PRODUCT SPECIFICATIONS FOR

GYMNASIUM & FIELD SPORTS EQUIPMENT

INDOOR BASKETBALL EQUIPMENT

OUTDOOR BASKETBALL EQUIPMENT

VOLLEYBALL EQUIPMENT

SOCCER EQUIPMENT

FOOTBALL EQUIPMENT

MISCELLANEOUS PRODUCTS

Gymnasium & Field Sports Equipment

Basketball Backboards, Goals & Padding

BA27A Front Mount Super Goal
Rim shall consist of an official size 5/8" diameter carbon steel ring welded to a ¼" thick backplate punched to fit all front mount backboards. A 5/8" diameter rim support shall support the ring. To be considered as an equal to this rim specification, an additional 6" long 5/8" diameter formed bar must be positioned at the bottom side of the joint between the backplate and the ring and welded full length on both sides. Mounting hardware shall be included. Rim shall have continuous wire formed netlocks to accept nylon net (included), a 2-year limited warranty, orange powder coated finish, be made in the USA and weigh approximately 17#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)
Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord.

All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.
Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5"x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a 7-year limited warranty. For replacement net cords order BA35ARC.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal.

Rim shall weigh approximately 39#.

BA35 ProTech Competition Breakaway Goal
Goal shall be constructed using 5/8" diameter high strength steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. Entire mechanism shall be covered by a steel coverplate.
All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry an unconditional 3-year replacement warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA407C Side Court Conversion Glass Backboard (54" x 42")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall carry an unconditional lifetime warranty and weigh 175#.

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000#. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

BA495 Dura Steel Fan-Shaped Playground Backboard (54" x 39" Fan)
Backboard shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white graffiti-resistant polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty and weigh 100#.

BA68U DuraSkin Rectangular Backboard Padding
Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a selfskinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10 years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Portable Basketball Systems

BA853A Acrylic Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall extend no less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear acrylic with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 48" wide x 32" high. Rims shall be a flexible type so as to absorb the shock of player contact. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for “dunking” action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 640#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853G Glass Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 54" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 700#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853GXL Super Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 50" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 60" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year) and padding (2 years). Entire system weight without ballast shall be approximately 800#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA894GJR T-Rex 54 JR Recreational Portable
BA894GJR Portable Basketball System shall provide a 42" x 54" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be gray bolt-on molded urethane with steel inserts molded into the padding.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1550#. The padded base shall be approximately 56" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA894GSR T-Rex 54 Club Portable Basketball System
Portable Basketball System shall provide a 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding and available in 16 colors.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1-¼" steel pivot pins riding on self lubricating bearings.
Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1700#. The padded base shall be approximately 76" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 1-year replacement and Breakaway Goal, 1-year.

BA895G T-Rex 66 Portable Basketball System
Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 66" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Rim shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. All system features except the 66" setback (96" is required) shall meet all NCAA and National High School Federation rules.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings shall be standard with the system. Rear holddowns are optional accessories, order BA898HD. System weight shall be approximately 1,900#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 130" long x 78" high. Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA898G T-Rex 96 Adjustable/Portable Basketball System
Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 96" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway rim shall be designed to flex with equal pressure in any direction around the front 180º circumference of the ring, and have a tubular net attachment system. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. Entire system shall meet all rules for high school and collegiate play.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. Horizontal extension arm shall be reinforced by no less than two ¼" thick steel members for no less than 7' of the arm length. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. An independent tensioning devise placed between the uprights shall provide additional rigidity to the entire structure. Rim shall be capable of height settings from 7' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on six (6), 8" diameter, 2" wide urethane casters (2 single front, 2 double rear). When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings and rear hold-downs shall be standard with the system, BA898HD. System weight shall be approximately 2,350#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 160" long x 78" high. Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 5-year.

Scoreboards

SC1000 Wall Mounted Basketball Scoreboard

This ETL listed scoreboard includes the scoreboard cabinet, mounting hardware, control console, 10 ft. extension cable, and junction box. The scoreboard dimensions with side sponsor panel are 144" L x 35" H x 6" D and the weight is 100#. The outer frame shall be made from extruded aluminum. Internal structural parts may be extruded aluminum or formed from aluminum sheet. The face and back are constructed from aluminum sheet. The face shall be finished with black enamel paint and the sponsor panel will be white prior to application of custom graphics. The captions are white on a gray background. The scoreboard displays HOME and GUEST scores to 199, PERIODS to 4, and bonus and possession symbols. It also shows a 99:59 clock with 1/10th of a second timing below 1:00. An internal horn shall be included. Light emitting diodes mounted on printed circuit boards form the digits and symbols. The clock is formed with 12" red digits, the HOME and GUEST scores are formed with 12" yellow digits, the PERIOD is formed with a 9" green digit, bonus symbols are green, the possession symbols and colon/decimal symbols are red. Power requirements for the scoreboard are 120 VAC, 1 A, 60 Hz and 120 VAC, 0.5 A, 60 Hz for the control console. The scoreboard shall include an attached 6 ft. power cord. Scoreboard electronics are 100% solid state fully enclosed. The control console features a microprocessor, 37 key sealed membrane keypad, a LCD display, and an attached 6 foot power cord. The console housing consists of ABC plastic base and top pieces with a steel back plate. The control cable has two 22 AWG stranded copper conductors with semi-rigid PVC insulation. It also has a braided shield and a foil shield. The polyethylene jacket is rated at 300 volts. The cable is direct burial rated and measures approximately ¼" in diameter. This item is sold separately from the scoreboard. A 4 ¼" x 2 ¼" x 2" junction box with a ¼" stereo jack mounted on the face plate is attached to the control cable at the point of operation. A 10 ft. extension cable connects the control console to the junction box. A SC20WR modem system can be substituted for the control cable and junction box without internal modifications to the scoreboard or the control console. System shall carry a 5-year limited warranty and shall weigh 351#.

SC2000 Wall Mounted Basketball Scoreboard

This ETL listed scoreboard includes the scoreboard cabinet, mounting hardware, control console, control cable (sold separately), 10 ft. extension cable, and junction box. The scoreboard dimensions with side sponsor panel are 156" L x 60" H x 6" D and the weight is 165#. The outer frame shall be made from extruded aluminum. Internal structural parts may be extruded aluminum or formed from aluminum sheet. The face and back are constructed from aluminum sheet. The face shall be finished with black enamel paint and the sponsor panel will be white prior to application of custom graphics. The captions are white on a gray background. The scoreboard displays HOME and GUEST scores to 199, a 99:00 clock 1/10th of a second timing, PERIODS to 4, HOME and GUEST bonus and possession symbols, HOME and GUEST team fouls, PLAYER NUMBER and FOULS. An internal horn shall be included. The volleyball and wrestling captions are mounted on reversible panels at the bottom of the scoreboard. Light emitting diodes mounted on printed circuit boards form the digits and symbols. The clock is formed with 12" red digits, the HOME and GUEST scores are formed with 12" yellow digits, the PERIOD, PLAYER NUMBER and FOULS are formed with 9" green digits, the HOME and GUEST team fouls are formed with 9" yellow digits, bonus symbols are green, the possession symbols and colon/decimal symbols are red. Power requirements for the scoreboard are 120 VAC, 1 A, 60 Hz, 120 watts maximum and 120 VAC, 0.5 A, 60 Hz for the control console. The scoreboard shall include an attached 6 ft. power cord. Scoreboard electronics are 100% solid state fully enclosed. The microprocessor control console is constructed of a rugged plastic housing with a metal back plate. It features a 37 key sealed membrane keypad, a LCD display of game information, and an attached 6 foot power cord in addition to a lithium cell battery backup to retain game information. The control cable has two 22 AWG stranded copper conductors with semi-rigid PVC insulation. It also has a braided shield and a foil shield. The polyethylene jacket is rated at 300 volts. The cable measures approximately ¼" in diameter and one length is required to run from the scoreboard to the point of operation. A 4 ¼" x 2 ¼" x 2" junction box with a stereo jack mounted on the face is attached to the control cable at the point of operation. A 10 ft. extension cable connects the control console to the junction box. System shall carry a 5-year limited warranty and weigh 515#.

SC20WR Remote Control Console and Receiver for Wall Mounted Basketball Scoreboards

This FCC compliant accessory includes the transmitter, receiver, two DC power cube supplies, and a custom carrying case for the transmitter, transmitter DC power cube supply, scoreboard control console, and control console accessories. This system replaces the control cable between the scoreboard and the control console. Dimensions of the transmitter are 2.64" L x 6.9" H x 2.1" D and weight is 0.42#. Dimensions of the receiver are 2.64" L x 6.9" H x 2.1" D and weight is 0.42#. Power requirements for the transmitter and receiver are 115 VAC, 0.1 A, 60 Hz. The system shall carry a 5-year limited warranty.

Wall Padding

Solid Color, Lettered and Printed Graphic Wall Padding

Wall padding shall be constructed of 7/16" OSB oriented stran board with 2" thick 80# poly urethane open cell foam conforming to 16CFR1632 combustibility requirements bonded together with non flammable adhesive. Padding shall be covered with 14 oz. flame resistant vinyl coated fabric. Vinyl fabric shall be attached to the OSB with staples that shall not be visible from the front of the pad.

All solid color padding shall include standard 1" top and bottom mounting flanges. Optional Z channel mounting shall be available at an additional cost.

All graphic and lettered padding shall include Z channel mounting as a standard feature. Graphic padding shall include a liquid laminate applied over the printed graphics to increase durability.

Standard padding sizes are 2' (w) x 6' (h), 2' (w) x 7' (h), 2' (w) x 8' (h), 4' (w) x 6' (h), 4' (w) x 7' (h) and 4' (2) x 8' (h), but can be produced in custom sizes and shapes. Solid and lettered padding shall be available in Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Burnt Orange, Cardinal red, Brown and Vegas Gold. Printed graphic and lettering color options available on request.

2' x 6' Pads – WP62/WP62F/WP62G/WP62L shall weigh 26#
4' x 6' Pads – WP64/WP64F/WP64G/WP64L shall weigh 52#
2' x 7' Pads – WP72/WP72F/WP72G/WP72L shall weigh 31#
4' x 7' pads – WP74/WP74F/WP74G/WP74L shall weigh 62#
2' x 8' Pads – WP82/WP82F/WP82G/WP82L shall weigh 36#
4' x 8' Pads – WP84/WP84F/WP84G/WP84L shall weigh 72#
16' x 6' Wall (2' Wide Panels) – WP6216/WP6216F/WP6216G/WP6216L shall weigh 208#
16' x 6' Wall (4' Wide Panels) – WP6416/WP6416F/WP6416G/WP6416L shall weigh 208#
16' x 7' Wall (2' Wide Panels) – WP7216/WP7216F/WP7216G/WP7216L shall weigh 248#
16' x 7' Wall (4' Wide Panels) – WP7416/WP7416F/WP7416G/WP7416L shall weigh 248#
16' x 8' Wall (2' Wide Panels) – WP8216/WP8216F/WP8216G/WP8216L shall weigh 288#
16' x 8' Wall (4' Wide Panels) – WP8416/WP8416F/WP8416G/WP8416L shall weigh 288#

Indoor Basketball Equipment

Portable Systems

BA853A Acrylic Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall extend no less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear acrylic with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 48" wide x 32" high. Rims shall be a flexible type so as to absorb the shock of player contact. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for “dunking” action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 640#. Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853G Glass Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 30" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 54" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year). Entire system weight without ballast shall be approximately 700#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA853GXL Super Max™ Portable Adjustable Basketball System
System shall consist of the following components: Portable steel base shall be suitable for supporting the entire unit during storage, movement and use. The base shall ride on non-marking casters capable of portability on typical playing surfaces with the effort of one adult on level grades. A cam-operated handle shall allow base to lower to sit on two front feet for stable playability when system has been moved to the appropriate place. Optional floor mounting shall be available if application dictates. A 1" thick padded ballast cover shall provide player protection from contact with 850# of customer supplied concrete blocks. Pole system shall be constructed of all steel components. A hand operated crank shall infinitely vary the rim height from the storage position to 10'. At 10' rim height, the backboard shall protrude on less than 50" from the base. Rim height shall be determined by a height indicator label clearly marked. A shock shall be used to add stability and provide safety should the crank assembly fail. Design shall provide for the direct mounting of the rim to the pole structure to reduce stress on the backboard when the rim is contacted. Front of base and pole shall be padded to a minimum height of 60" from the floor. Backboard shall be constructed of 3/8" thick, clear tempered glass with white screening. The framework shall be constructed from aluminum extrusions. The overall backboard size shall be approximately 60" wide x 36" high. Backboard padding shall be of a molded bolt-on type so as to eliminate adhesive failure. Rims shall be a flexible type so as to absorb the shock of player contact. The rim shall be of institutional quality with 3/16" steel components and official 5/8" diameter ring. Rim shall have an orange powder coated finish. Nylon net shall be provided. Entire system shall be durably designed and constructed so as to allow for "dunking" action. Warranty shall be 5-year limited except rim (1 year) and padding (2 years). Entire system weight without ballast shall be approximately 800#.

Optional orders include BA800 Hold down kit for concrete, tile and synthetic floors. BA800FL Hold down kit for floating wood floors. BA853BLST Max Ballast Kit.

BA894GJR T-Rex 54 JR Recreational Portable
BA894GJR Portable Basketball System shall provide a 42" x 54" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be gray bolt-on molded urethane with steel inserts molded into the padding.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1550 #. The padded base shall be approximately 56" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA894GSR T-Rex 54 Club Portable Basketball System
Portable Basketball System shall provide a 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 54" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooter's square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway goal shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding and available in 16 colors.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counterbalance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing. All pivot points to facilitate lowering for storage shall be 1-¼" steel pivot pins riding on self lubricating bearings.
Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 colors. Front locator pins and floor locator bushings shall be standard with the system. Rear hold-downs are optional accessories, order BA898HD. System weight shall be approximately 1700#. The padded base shall be approximately 76" wide x 124" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 1-year replacement and Breakaway Goal, 1-year.

BA895G T-Rex 66 Portable Basketball System
Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 66" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Rim shall have continuous netlocks. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. All system features except the 66" setback (96" is required) shall meet all NCAA and National High School Federation rules.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. Rim shall be capable of height settings from 5' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on four (4), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings shall be standard with the system. Rear holddowns are optional accessories, order BA898HD. System weight shall be approximately 1,900#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 130" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 1-year.

BA898G T-Rex 96 Adjustable/Portable Basketball System
Basketball system shall provide a competition size 42" x 72" glass backboard and competition breakaway goal on a fully padded portable base. Face of backboard shall be a minimum of 96" from the front of the padded base when rim is at 10'. Backboard shall be ½" tempered glass with official white border and shooters square and extruded aluminum frame. Backboard shall be designed so that the basketball rim mounts through the glass into the horizontal extension of the base to reduce stress on the glass during play. Breakaway rim shall be designed to flex with equal pressure in any direction around the front 180º circumference of the ring, and have a tubular net attachment system. Backboard padding shall be bolt-on molded urethane with steel inserts molded into the padding. Padding shall be available in choice of 16 school colors. Entire system shall meet all rules for high school and collegiate play.

Backboard and goal shall be suspended by means of a pivoting, welded steel structure that uses extension spring technology to counter balance the weight of the backboard and goal to raise and lower the goal for play and storage. Primary structural steel components shall be a minimum of 4" x 4" and 4" x 2" tubing with a minimum ¼" wall thickness. Horizontal extension arm shall be reinforced by no less than two ¼" thick steel members for no less than 7’ of the arm length. All pivot points to facilitate lowering for storage shall be 1 ¼" steel pivot pins riding on self lubricating bearings. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with steel ballast at the factory. Goal shall be raised and lowered by one person and locked at the desired rim height or storage position by means of a telescoping height adjustment mechanism that has permanent rim height markings. An independent tensioning devise placed between the uprights shall provide additional rigidity to the entire structure. Rim shall be capable of height settings from 7' to 10' in 6" increments. All steel components shall have a white textured polyester powder coated finish. Entire basketball system shall rest on the floor when in the storage position on six (6), 8" diameter, 2" wide urethane casters (two single front, 2 double rear). When rolled into playing position, front of system shall be lifted from the front wheels onto two 4" diameter urethane stabilizer pads. Stabilizer pads shall be lowered by means of a threaded lead screw located at the top front corners of the base.

Entire front and sides of the base and front of the structural upright shall be padded a minimum of 2" thick in choice of 16 school colors. Lower surface of horizontal extension arm shall be padded to a distance of 60" from the rear of the backboard. Front locator pins and floor locator bushings and rear hold-downs shall be standard with the system, BA898HD. System weight shall be approximately 2,350#. The padded base shall be approximately 40" wide x 74" long. The total stored dimension shall be approximately 76" wide x 160" long x 78" high.

Components shall carry the following minimum warranties. Backboard, limited lifetime; Structure, 10-year limited; Padding, 10-year replacement and Breakaway Goal, 5-year.

Goals

BA21 Standard Rear Mount Competition Goal
Rim shall consist of an official size 5/8" diameter steel ring welded to 3/16" thick structural components punched to fit all rear mount backboards. The ring shall be supported by a ¼" x 1 ½" steel rim support that is welded around 180° of the bottom of the ring and have continuous netlocks wire formed to accept a nylon net (included). Mounting hardware shall be included. Rim shall have an orange powder coated finish, be made in the USA and weigh approximately 18#.

BA21A Rear Mount Super Goal
Rim shall consist of an official size 5/8" diameter carbon steel ring welded to 3/16" thick structural components punched to fit all rear mount backboards. The ring shall be supported by a ¼" x 1 ½" steel rim support that is welded around 180° of the bottom of the ring and have continuous netlocks wire formed to accept a nylon net (included). Auxiliary steel supports shall be welded to the underside of the rim to strengthen areas of vulnerability. Mounting hardware shall be included. Rim shall have a 1-year warranty, an orange powder coated finish, be made in the USA and weigh approximately 18#.

BA27 Standard Front Mount Competition Goal
Rim shall be constructed of an official size high carbon 5/8" diameter ring with continuous wire formed netlocks. Backplate shall be a minimum 3/16" thick. Rim shall be supported by a ½" diameter steel brace. Rim shall carry a 1-year limited warranty and have an orange powder coated finish and weigh approximately 12#.

BA27A Front Mount Super Goal
Rim shall consist of an official size 5/8" diameter carbon steel ring welded to a ¼" thick backplate punched to fit all front mount backboards. A 5/8" diameter rim support shall support the ring. To be considered as an equal to this rim specification, an additional 6" long 5/8" diameter formed bar must be positioned at the bottom side of the joint between the backplate and the ring and welded full length on both sides. Mounting hardware shall be included. Rim shall have continuous wire formed netlocks to accept nylon net (included), a 2-year limited warranty, orange powder coated finish, be made in the USA and weigh approximately 17#.

BA32 Heavy-Duty Side Court and Recreational Flex Goal
Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. Rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 22#.

BA32RXT Flex-Court Rear Mount Flex Goal
Rim shall be of a flexible type so as to absorb the shock of player contact. Spring action shall be provided by no less than two square wire die springs. The ring shall be an official size 5/8" high strength steel and be supported by a ¼" x 1 ½" rim support that is welded around 180° of the bottom of the ring. All structural components shall be not less than 3/16" thick. Rims shall be punched to mount on any rear mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 20#.

BA34 TruFlex™ Competition Breakaway Goal
Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be 1/4" x 1 1/2" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA35 ProTech Competition Breakaway Goal
Goal shall be constructed using 5/8" diameter high strength steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. Entire mechanism shall be covered by a steel coverplate. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry an unconditional 3-year replacement warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA35A ReAction Adjustable Tension Breakaway Goal
Goal shall be constructed using 5/8" diameter high strength steel ring with a 5/16" OD 18 ga. tubular net attachment device. Net shall be held in place by means of a 1/8" nylon cord that passes through the tubular members. For replacement Hideaway Net Attachment Cables order BA35ARC. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of positive lock design and be field adjustable without being removed from the backboard. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a steel coverplate. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon anti-whip net shall be provided. Goal shall carry a 4-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standard and weighs 23#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. Weighs 25#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)
Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord.

All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell “C” scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men’s Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a 7-year limited warranty. For replacement net cords order BA35ARC.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal.

Rim shall weigh approximately 39#.

Backboards

BA407C Side Court Conversion Glass Backboard (54" x 42")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall carry an unconditional lifetime warranty and weigh 175#.

BA407G Glass Backboard (54" x 42")
Backboard shall be constructed of ½" thick, clear tempered glass and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooter's square and border shall be fire impregnated on the backboard. Board shall carry a limited lifetime warranty and weights 150#.

BA42E Standard Short Glass Backboard (72" x 42")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provided for the industry standard 36" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 180#.

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")
Backboard shall be constructed of ½ " thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA455 Tuffglass Rectangular Fiberglass Backboard (72" x 42")
Backboard shall be 42" x 72" rectangular fiberglass. The front and rear shell shall be gel coated fiberglass that is a minimum of 1/8" thick. The front and rear shall be permanently bonded together around a solid fiber core to create a solid backboard with an overall thickness of 1 ½". Sixteen threaded steel inserts are molded into the rear shell to facilitate mounting. These inserts shall permit mounting to all 36" x 62" and 20" x 35" support structures. The front and back of the backboard shall be white fiberglass and an official orange shooter's square and boarder shall be permanently molded into the playing surface. Silk screened or vinyl adhesive applied border and shooter's square shall not be acceptable substitutions. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of 160#.

BA465 Fan-Shaped Fiberglass Front Mount Backboard
Backboard shall be 54" x 39" fan shaped fiberglass. The front and rear shell shall be gel coated fiberglass that is a minimum of 1/8" thick. The front and rear shall be permanently bonded together around a solid fiber core to create a solid backboard with an overall thickness of 1 ½". Eight (8) threaded steel inserts are molded into the rear shell to facilitate mounting to common 20" x 35" support structure. The front and back of the backboard shall be white and an official orange shooter's square and boarder shall be permanently molded into the surface. Backboard shall accept rims with a 5" x 5" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of 89#.

BA472 Official Rectangular Steel Backboard (72" x 42")
Backboard shall be 42" x 72" rectangular steel. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. All skin edges shall be safety rolled to eliminate sharp edges and increase strength and rigidity. Structure on the rear shall allow mounting to common 36" x 62" supports. The backboard shall be coated with a white powder coated finish and have an official size orange shooter's square. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of approximately 160#.

BA48 Standard Tall Glass Backboard (72" x 48")
Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provide for the industry standard 42" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboards shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 210#.

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

BA48XLC Extended Life Short Glass Conversion Backboard (72" x 48")
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 240#.

Backboard Padding

BA68U DuraSkin Rectangular Backboard Padding
Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

BA68F DuraSkin Fan-Shaped Bolt-on Backboard Padding
Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of front mount or rear mount glass, steel, and cast aluminum fan-shaped backboards by means of bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. Padding system shall be available in official gray, royal, scarlet, and black. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The unconditional replacement warranty shall extend for five (5) years and cover tearing and deterioration, as well as detachment from the backboards. Each kit shall weigh 5#.

Wall Mount Packages

PKG46SFFS, PKG68SFFS, PKG82SFFS
Bison Side-Fold Side Court Wall Mount System
Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SFFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SFFS, 96" and 144" PKG82SFFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing either to the right or left by means of a diagonal telescoping strut that can be locked at either the stored or the playing position by means of a spring loaded locking pin. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. **Rim** shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. Rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 21#. Entire system shall weigh approximately 320#. PKG68SFFS shall weigh 350#, PKG82SFFS 420#.

PKG46SFRG, PKG68SFRG, PKG82SFRG
Bison Side-Fold Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.
Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SFRG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SFRG, 96" and 144" PKG82SFRG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing either to the right or left by means of a diagonal telescoping strut that can be locked at either the stored or the playing position by means of a spring loaded locking pin. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate.* All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts*. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards**. Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Brown, Cardinal and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 490#. PKG68SFRG shall weigh 535#, PKG82SFRG 585#.

PKG46STFS, PKG68STFS, PKG82STFS
Bison Stationary Side Court Wall Mount System
Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82STFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68STFS, 96" and 144" PKG82STFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. Backboard shall be constructed of formed and welded steel with a 54” x 39” fan-shaped playing surface.
Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter’s square. Backboard shall carry a minimum 10-year limited warranty. Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. Rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 21#. Entire system shall weigh approximately 275#. PKG68STFS shall weigh 310#, PKG82STFS 390#.

PKG46STRG, PKG68STRG, PKG82STRG
Bison Stationary Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.
Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82STRG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68STRG, 96" and 144" PKG82STRG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72"rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate*. All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts.* A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards**. Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Brown, Cardinal, Vegas Gold and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 470#. PKG68STRG shall weigh 500#, PKG82STRG 580#.

PKG46SUFS, PKG68SUFS, PKG82SUFS
Bison Swing-Up Side Court Wall Mount System
Entire wall mount package shall consist of one each of the following components. Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SUFS) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SUFS, 96" and 144" PKG82SUFS) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing upwards to a stored position by means of a hand operated crank mounted on the wall that is included with the system. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle. **Backboard** shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. **Rim** shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. Rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 21#. Entire system shall weigh approximately 350#. PKG68SUFS shall weigh 395#, PKG82SUFS 495#.

PKG46SURG, PKG68SURG, PKG82SURG
Bison Swing-Up Competition Wall Mount System

Entire wall mount package shall consist of one each of the following components.
Structure shall be constructed of 100% welded 2" diameter DOM seamless tubing with a 10 ga. wall thickness. 1 5/8" diameter extension tubes shall fit inside the 2" tubes to allow a minimum of 24" (48" on PKG82SURG) adjustment of the backboard extension at the time of installation. Adjustment shall allow the face of the backboard to be anywhere between 48" and 72" (72" and 96" PKG68SURG, 96" and 144" PKG82SURG) from the wall. Telescoping tubes shall be triple set screwed, then drilled and bolted in place at final assembly. All mounting brackets and hinge components shall be a minimum of 7 ga. thick and all bolts at the pivot location shall be no less than 5/8" diameter grade 5 zinc plated. Structure shall be designed to swing upwards to a stored position by means of a hand operated crank mounted on the wall that is included in the system. All steel components shall be finished with a gray powder coated finish. Steel structure shall mount to 2" x 8" southern yellow pine wall struts that shall be attached directly to the wall with fasteners selected by the installer. 800#, 3/16" proof coil chain shall extend at an appropriate angle of 45° to brackets attached to a third 2" x 8" wall strut. Chain shall be tensioned by means of a turnbuckle.
Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 205#. **Goal** shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. *The entire mechanism shall be totally enclosed by a foam padded safety coverplate*. All pinch points shall be eliminated for player safety. *The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts*. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA and National High School Federation standards. **Backboard padding** shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards. Entire system shall weigh approximately 555#. PKG68SURG shall weigh 615#, PKG82SURG 725#.

Gym Upgrade Packages

OFC4234-XX Gym Upgrade Package:

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets.
A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA standards, be designated as the "Official Conversion Backboard" of the National High School Federation and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks.
All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10 years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 250#.

OFC4235E-XX Gym Upgrade Package:

BA42XLC Extended Life Short Glass Conversion Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of 7 ga. steel corner brackets. A single welded tubular steel framework shall be mounted into the rear side of the backboard to facilitate mounting the backboard to wall or ceiling mounting structures that were designed to support fan-shaped backboards with industry standard 20" x 35" mounting patterns. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA standards, be designated as the "Official Conversion Backboard" of the National High School Federation and shall carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Backboard shall weigh 220#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 254#

OFS4234-XX Gym Upgrade Package:

BA42E Standard Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provided for the industry standard 36" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboard shall meet all NCAA and National High School Federation standards and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 180#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks.
All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 210#

OFS4834-XX Gym Upgrade Package:

BA48 Standard Tall Glass Backboard (72" x 48")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the corners by means of corner brackets that provide for the industry standard 42" x 62" short board corner mounting pattern. At the rim mounting location, glass shall be sandwiched between two steel plates that are separated from the glass by means of 1/16" thick gaskets. Rim mounting bolts shall pass through tubular steel bushings that are separated from the glass by means of rubber bushings. Backboards shall meet all NCAA standards, be designated as the "Official 48" replacement backboard of the National High School Federation and shall carry a 20-year limited warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard Padding. Board shall weigh 210#.

BA34 TruFlex™ Competition Breakaway Goal

Goal shall be constructed using 5/8" diameter steel ring with continuous wire netlocks. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular, and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The breakaway mechanism shall be of the positive lock design, factory preset. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened detent. Said ball/detent mechanism shall provide proper breakaway pressure. All pinch points shall be eliminated for player safety. All components shall be coated with an official orange powder coated finish. A white nylon net shall be provided. Goal shall carry a 1-year limited warranty, be manufactured in the USA and meet all NCAA and National High School Federation standards and weighs 23#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 240#.

OFX423180-XX Gym Upgrade Package:

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA standards, be designated as the "Official 42" Glass Backboard of the National High School Federation and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)

Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord. All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a seven year limited warranty.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal.

Rim shall weigh approximately 39#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 295#.

OFX4235E-XX Gym Upgrade Package:

BA42XL Unbreakable Competition Short Glass Backboard (72" x 42")

Backboard shall be constructed of ½" thick tempered glass with an official white shooter's square and border and shall have 5" x 4" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for the industry standard 36" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA standards, be designated as the "Official 42" Glass Backboard of the National High School Federation and carry an unconditional lifetime warranty. Frame shall be pre-drilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 200#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official gray, royal, navy, columbia blue, scarlet, orange, gold, kelly green, forest green, black, maroon, purple, vegas gold, cardinal, brown and burnt orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 237#.

OFX483180-XX Gym Upgrade Package:

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

Bison Baseline™ BA3180S and BA3180T (180° Breakaway Goal)

Goal shall be designed and constructed so that when downward pressure exceeding the release pressure setting is applied at any location within 90° either to the left or to the right of the point on the ring farthest from the backboard, the entire ring assembly will pivot downward. The release pressure setting shall be field adjustable and be designed with a detent style positive lock mechanism so that the ring cannot be released until the setting pressure is exceeded.

Ring shall be constructed of 5/8" diameter carbon steel. Tubular segments shall be spaced and welded a full 360° around the lower surface of the 5/8" ring to allow the goal net to be securely attached without fasteners by means of a single nylon cord.

All steel components that come in contact with other steel components during release of the ring assembly shall be heat treated to a minimum depth of 0.020" and hardness of 50 on the Rockwell "C" scale.

Goal shall meet all applicable NCAA, FIBA and National High School Federation rules including NCAA Men's Division I rule regarding rebound elasticity testing.

Release mechanism shall be isolated from player contact and pinch point risk by means of a steel cover plate.

BA3180S shall have a 5" wide x 4" high, 4-hole mounting pattern to facilitate attachment to all 72" x 42" high backboards. BA3180T shall have both a 5" x 4" and a 5" x 5" hole pattern to allow mounting to any brand of front mount backboard that is approved for official competition play.

All goals shall have an orange powder coat finish and include anti-whip nylon net, zinc plated grade 5 mounting hardware, two (2) net attachment cords and have a 7-year limited warranty.

Goals without positive lock mechanisms, without 360° tubular style net attachment or that do not release at all points along the front 180° circumference of the ring shall not be considered equal. Rim shall weigh approximately 39#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 285#

OFX4835E-XX Gym Upgrade Package:

BA48XL Unbreakable Competition Tall Glass Backboard (72" x 48")

Backboard shall be constructed of 1/2" thick tempered glass with an official white shooter's square and border and shall have 5" x 5" goal mounting pattern. Frame shall be aluminum extrusion held together in the top corners by means of corner brackets that provide for common 42" x 62" short board corner mounting pattern. A fabricated steel rim support structure shall extend the full 72" width of the bottom of the backboard and be mounted to the aluminum framework in no less than 10 places. Steel spacers shall protrude through large holes in the glass for rim mounting. At no time shall the rim be allowed to contact the glass at any point during play when up to 1,000 lbs. of pressure is applied to the rim. Backboard shall meet all NCAA and National High School Federation standards and carry an unconditional lifetime warranty. Frame shall be predrilled to allow mounting of Bison Model BA68U DuraSkin Backboard padding. Board shall weigh 230#.

BA35E Elite Competition Breakaway Goal

Goal shall be constructed using a 5/8" diameter high strength solid steel ring with continuous steel netlocks attached. All backplate components shall be constructed of 3/16" thick steel. The mounting plate shall be punched with hole patterns for mounting to 42" x 72" rectangular, 48" x 72" rectangular and 54" x 39" fan-shaped glass backboards. The rim support brace shall be ¼" x 1 ½" steel and provide continuous support for 180° of the circumference of the 5/8" ring. The lower edge of the brace shall have a safety radius to eliminate all sharp edges and reduce injury. The breakaway mechanism shall be of the positive lock design, factory preset at the NCAA, FIBA and National High School Federation prescribed pressure release setting. An automatic return shall be provided by means of two return springs which shall also cushion the breakaway action when the pressure release setting has been exceeded. Two hardened steel balls shall be contained in a tubular assembly with each being forced outward with equal pressure by a single spring. The balls shall nest on each side of the rim/backplate assembly in a hardened steel detent. Said ball/detent mechanism shall provide proper breakaway pressure. The entire mechanism shall be totally enclosed by a foam padded safety coverplate. All pinch points shall be eliminated for player safety. The rim shall be lubricated by means of six grease fittings that provide lubricant to all moving parts. A grease gun and cartridge shall be provided. A white nylon anti-whip net shall be provided. Goal shall carry a 5-year limited warranty. Each goal shall be assigned a serial number. Goal shall be manufactured in the USA and meet all NCAA standards and be designated as the "Official Breakaway Goal of the National High School Federation." Weighs 25#.

BA68U DuraSkin Rectangular Backboard Padding

Padding shall be molded to meet or exceed all standards set forth by the NCAA, National High School Federation and FIBA. Padding shall be cellular construction with a skin of an average minimum thickness of .060". The skin shall be produced integral to the cushion using a self-skinning molding process. The tear strength of the skin shall be a minimum 125 psi. The padding system shall be capable of mounting to all brands and styles of 72" rectangular backboards by means of eight bolts (provided). A steel track molded into the padding shall provide rigidity and strength to the mounting system. The corners of the padding shall be molded square for maximum safety and shall not require mitering, gluing or forming for attachment. All hardware shall be provided. Padding system shall be available in official Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Vegas Gold, Cardinal, Brown and Burnt Orange. Colors shall be continuous throughout the thickness of the padding, not only on the skin. The warranty shall extend for 10-years and cover tearing and deterioration, as well as detachment from the backboards and weigh 12#.

Package weighs 275#.

ZipCrank™ Goal Height Adjuster

BA980 ZipCrank™ Goal Height Adjuster
Height adjuster frames shall be constructed of 1/8" thick steel tubing and shall slide on 1" solid round steel bars allowing for an infinite height adjustment range of 2 feet. The unit shall include a powder coated finish. The adjustable frame shall be manually driven by a 7/8" diameter acme threaded drive screw, thrust bearing, and a threaded block with grease fitting provided for adequate lubrication. Mounting holes provided shall be slotted to allow for leveling during installation. Adjustment can easily be made from the gym floor with provided crank handle. Height adjuster shall carry a 5-year limited warranty and weigh (BA980RS/RT) 175# or (BA980F) 115#.

Outdoor Basketball Equipment

Playground Systems

PR12 Qwik-Change Playground Basketball System
System shall allow rim height movement in 6" increments from 7 ½' to 10' by means of a pole from the playing surface. The extension arm shall be fabricated of steel and provide for 22" of extension from the face of the pole to the face of the backboard at official 10’ rim height. Extension arm shall be mounted on a galvanized vertical pole that buries no less than 36" into the ground. The **backboard** shall be a minimum 48" x 36" molded fiberglass construction. **Rim** shall be a spring type and be mounted through the backboard directly into the extension arm to increase backboard durability. All steel components shall be galvanized or powder coated. System shall have a 1-year limited warranty and weigh 165#.

PR15 Ultimate Jr. Playground Basketball System
System shall allow the rim to be semi-permanently mounted at any height between 6' and official 10' and provide a minimum of 36" of extension from the face of the pole to the face of the backboard. Vertical **pole** shall be a minimum of 5" square with a 1/8" wall and bury 43" into the ground. Extension arm shall be constructed of no less than 5" square, 1/8” wall steel tube and be designed so that the rim is mounted through the backboard directly into the extension arm. Fan Shaped **backboard** shall be a minimum of 54" x 35-½" x a minimum thickness of 3/16" cast aluminum, must be powder coated white and have an orange silk-screened shooter’s square and border. **Rim** shall be a spring type goal with a minimum of 3/16" thick mounting plate. The net attachment system shall be a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. All steel components shall be powder coated. Entire system shall have a 3-year limited warranty and weigh 265#.

PR16 Power Adjust Playground System
System shall be designed to crank to rim heights between 7 ½' and 10' by means of a permanently mounted screw-type crank that is placed behind the pole. Vertical **pole** shall be a minimum of 5" square tube with a 1/8" wall. Movable extension arm shall be a minimum of 3" x 4" x 3/16" wall steel tube and provide for a minimum extension from front of the pole to the face of the backboard of 50" at official 10' rim height. Pole system shall incorporate a backup safety shock to prevent rapid drop of the backboard in the case of crank failure. Fan Shaped **backboard** shall be a minimum of 54" x 35-½" x a minimum thickness of 3/16" cast aluminum, must be powder coated white and have an orange silk-screened shooter's square and border. **Rim** shall be a spring type goal with a minimum of 3/16" thick mounting plate. The net attached system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. All steel components shall be powder coated. Entire system shall have a 3-year limited warranty and weigh 300#.

PR20 Tough-Duty Steel Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 3 ½" outside diameter RS40 flow coated galvanized steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal*. Pole shall carry a minimum 10-year limited warranty. **Backboard** shall be constructed of formed and welded steel with a 39" x 54" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. **Rim** shall be constructed of an official size 5/8" diameter steel ring with individual wire formed netlocks to accept nylon (included) or chain (optional) nets. The backplate and side rim support plates shall be formed of a single 1/8" steel sheet. Rim shall have a 1-year limited warranty and an orange powder coated finish. Entire system shall weigh 215#.

PR29 Tough-Duty Finished Aluminum Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 3 ½" outside diameter RS40 zinc flow coated steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole *systems without backboard support braces shall not be considered equal.* Pole shall carry a minimum 10-year limited warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish and have an official size orange shooter's square and border. Backboard shall carry a limited lifetime warranty. **Rim** shall be constructed of an official size 5/8" diameter steel ring with individual wire formed netlocks to accept nylon (included) or chain (optional) nets. The backplate and side rim support plates shall be formed of a single 1/8" steel sheet. Rim shall have a 1-year limited warranty and an orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 175#.

PR30 Tough-Duty Aluminum Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 3 ½" outside diameter RS40 zinc flow coated steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a minimum 10-year limited warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". Backboard shall carry a limited lifetime warranty. **Rim** shall be constructed of an official size 5/8" diameter steel ring with individual wire formed netlocks to accept nylon (included) or chain (optional) nets. The backplate and side rim support plates shall be formed of a single 1/8" steel sheet. Rim shall have a 1-year limited warranty and an orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 175#.

PR31 Tough-Duty Rectangle Steel Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 3 ½" outside diameter RS40 zinc flow coated steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a minimum 10-year limited warranty. **Backboard** shall be constructed of 12 ga. steel and have a 39" x 54" rectangular playing surface. All edges shall be formed to provide a 1 ½" minimum lip to provide additional backboard rigidity. Backboard shall have a white powder coated finish, perforated holes to provide a permanent official size shooting target and carry a minimum 10-year limited warranty. **Rim** shall be constructed of an official size 5/8" diameter steel ring with individual wire formed netlocks to accept nylon (included) or chain (optional) nets. The backplate and side rim support plates shall be formed of a single 1/8" steel sheet. For stainless steel hardware order BA770SSH. Entire system shall weigh 235#.

PR33 Tough-Duty Removable Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 3 ½" outside diameter RS40 zinc flow coated steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a minimum 10-year limited warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". Backboard shall carry a limited lifetime warranty. An extruded aluminum bracket shall be mounted to the backboard at the rim location and serve as an entrapment to attach and remove the rim to eliminate unwanted play. The rim shall be removable by means of a specially designed pole that can be screwed into the underside of the rim, then lifted without ladders or tools from playing surface. **Rim** shall be constructed of an official size high carbon 5/8" diameter ring with continuous wire formed netlocks. Backplate shall be a minimum 3/16" thick. Rim shall be supported by a ½" diameter steel brace. Rim shall carry a 1-year limited warranty and have an orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 180#.

PR50 Heavy-Duty Aluminum Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Poles shall carry a minimum 25-year warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". Backboard shall carry a limited lifetime warranty. Rim shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal.* **Rim** shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 235#.

PR52 Heavy-Duty Finished Aluminum Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Poles shall carry a minimum 25-year warranty. Backboard shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish and have an official size orange shooter's square and border. **Backboard** shall carry a limited lifetime warranty. Rim shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. **Rim** shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 235#.

PR55 Heavy-Duty Steel Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal*. Poles shall carry a minimum 25-year warranty. **Backboard** shall be constructed of formed and welded steel with a 39" x 54" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty. Rim shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. **Rim** shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 275#.

PR60 Heavy-Duty Steel Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole *systems without backboard support braces shall not be considered equal*. Poles shall carry a minimum 25-year warranty. **Backboard** shall be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal.* Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 320#.

PR70 Heavy-Duty Polycarbonate Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Poles shall carry a minimum 25-year warranty. **Backboard** shall be constructed of ½" thick clear polycarbonate and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooter's square and border shall be silk screened on the rear of the backboard. Board shall carry a limited lifetime warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 300#.

PR70G Heavy-Duty Glass Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Poles shall carry a minimum 25-year warranty. **Backboard** shall be constructed of ½" thick, clear tempered glass and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooter's square and border shall be fire impregnated on the backboard. Board shall carry a limited lifetime warranty. Rim shall be a flexible type so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. Spring mechanism must be totally enclosed. The net attachment system shall be of a continuous type construed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal.* **Rim** shall have a 1-year limited warrant and an orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 330#.

PR74 Mega-Duty Unbreakable Polycarbonate Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be 42" x 72" official size ½" clear unbreakable polycarbonate with a limited lifetime warranty. Polycarbonate shall be framed with aluminum extrusions and have a white border and shooters square. A tubular subframe shall be mounted to the rear of the backboard to provide support at the rim mounting location and provide threaded inserts for brace attachment on gooseneck playground systems. Backboard shall carry a lifetime limited warranty. Rim shall be the flexible type with official 5/8" diameter ring and one-piece net attachment. **Rim** shall have orange powder coated finish. Rim shall carry a 1-year limited warranty. For stainless steel hardware order BA770SSH. Entire system weight shall be 500#.

PR75 Mega-Duty Finished Aluminum Fan Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish and have an official size orange shooter's square and border. Backboard shall carry a limited lifetime warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 360#.

PR77 Mega-Duty Steel Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal.* Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 450#.

PR77XL Extended Mega-Duty Steel Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 96" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboard shall carry a limited 10-year warranty. Rim shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. **Rim** shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 490#.

PR78 Mega-Duty Poly Rectangular Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of ½" thick clear polycarbonate and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooters square and border shall be silk screened on the rear of the backboard. Board shall carry a limited lifetime warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal.* Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 440#.

PR79 Mega-Duty Steel Rectangle Gooseneck Playground System

System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish.
Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.*
Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with an official 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel with 1/4" perforations and a solid shooters square. Rear structure shall be 11 ga. steel tubing. All edges of the skin shall be triple bent in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 450#.

PR79XL Extended Mega-Duty Perforated Steel Rectangle Gooseneck Playground System

System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish.
Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 96" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.*
Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with an official 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel. All edges of the skin shall be triple bent in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooters square. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 510#.

PR80K Power Adjustable Finished Aluminum Fan Playground System

System shall consist of the following components: **Pole** system shall be constructed of steel with a black powder coated finish. The vertical post shall be 5" square tubing with a 3/16" wall thickness. The horizontal (adjustable) extension shall be 3" x 4" structural tubing with a 3/16" wall thickness. The extension shall allow for the following minimum distances from the backboard to the vertical pole: 50" at 10' and 62" at 8'. The height adjustment crank shall be capable of manual operation from ground level. Adjustment mechanism shall include an optional locking device to control unwanted height adjustment. A backup safety device shall be included to eliminate the backboard from free falling should adjustment mechanism failure occur. Pole design shall permit the rim to be mounted directly to the extension arm through the backboard so as to reduce stress on the backboard when player hangs on the rim. An easy-to-read height adjustment label shall register rim height. The pole system shall carry a 5-year warranty. **Backboard** shall be constructed of cast aluminum with a 36" x 54" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish and have orange border and shooter’s square. Backboards shall carry a limited lifetime warranty. Rim shall be a flexible type so as to absorb the shock of player contact. Spring action shall be provided by compression spring. **Rim** assembly shall consist of two official size 5/8" high strength steel rings welded together at a minimum of six places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have a 1-year limited warranty and an orange powder coated finish. Entire system weight shall be 415#.

PR87 Mega-Duty Steel Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with an official 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel. All edges of the skin shall be triple bent in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooters square. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 475#.

PR87XL Extended Mega-Duty Steel Rectangle Gooseneck Playground System
System shall consist of the following components: **Pole** shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 96" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. *Pole systems without backboard support braces shall not be considered equal.* Pole shall carry a limited lifetime warranty. **Backboard** shall be constructed of formed and welded steel with an official 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel. All edges of the skin shall be triple bent in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooters square. Backboard shall carry a limited 10-year warranty. **Rim** shall be constructed of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall have an unconditional lifetime warranty and orange powder coated finish. For stainless steel hardware order BA770SSH. Entire system shall weigh 515#.

Ultimate Playground Systems

PR98G Ultimate™ Adjustable w/Tempered Glass Backboard Playground System
System shall allow rim height to be adjusted between 7 ½' and official 10' by means of a removable hand crank. Vertical **pole** shall be a minimum of 6" square structural tube with a 3/16" wall. Pole shall bury a minimum of 48" into the ground. The steel backboard supports shall be constructed of welded 1 ½" x 2 ½" tubular members and be designed to provide a minimum of 50" of clearance from the front of the pole to the face of the backboard at official 10' rim height. The entire steel pole assembly shall have a powder coated finish. Backboard shall be the official 42" x 72" size and constructed of ½" thick tempered glass. **Backboard** shall have an aluminum extrusion frame and official white shooter's square and border. System shall be designed so that the rim mounts directly through the backboard into the extension arm to reduce stress on the backboard.
Rim is of a spring type so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. Rim assembly shall consist of two official sized 5/8" high strength steel rings welded together at a minimum of 6 places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not acceptable equal. Entire system shall have a lifetime limited functional warranty and weigh 560#.

PR98S Ultimate Adjustable Steel Backboard Playground System
System shall allow rim height to be adjusted between 7 ½' and official 10' by means of a removable hand crank. Vertical **pole** shall be a minimum of 6" square structural tube with a 3/16" wall. Pole shall bury a minimum of 48" into the ground. The steel backboard supports shall be constructed of welded 1 ½" x 2 ½" tubular members and be designed to provide a minimum of 50" of clearance from the front of the pole to the face of the backboard at official 10' rim height. The entire steel pole assembly shall have a powder coated finish. **Backboard** shall be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed sheared edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Rim assembly is of a spring type so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. **Rim** assembly shall consist of two official sized 5/8" high strength steel rings welded together at a minimum of 6 places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not acceptable equal. Entire system shall have a lifetime limited functional warranty and weigh 530#.

PR98U Ultimate Adjustable w/Unbreakable Polycarbonate Backboard Playground System

System shall allow rim height to be adjusted between 7 ½' and official 10' by means of a removable hand crank. Vertical **pole** shall be a minimum of 6" square structural tube with a 3/16" wall. Pole shall bury a minimum of 48" into the ground. The steel backboard supports shall be constructed of welded 1 ½" x 2 ½" tubular members and be designed to provide a minimum of 50" of clearance from the front of the pole to the face of the backboard at official 10' rim height. The entire steel pole assembly shall have a powder coated finish. **Backboard** shall be the official 42" x 72" size and constructed of ½" thick unbreakable clear polycarbonate. Backboard shall have an aluminum extrusion frame and official white shooter's square and border. System shall be designed so that the rim mounts directly through the backboard into the extension arm to reduce stress on the backboard. **Rim** is of a spring type so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. Rim assembly shall consist of two official sized 5/8" high strength steel rings welded together at a minimum of 6 places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not acceptable equal. Entire system shall have a lifetime limited functional warranty and weigh 500#.

BA871-BK Steel Ultimate™ Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and 1/4" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a textured black polyester powder coated finish and carry a lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboards shall carry an unconditional lifetime functional warranty. **Rim** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and orange powder coated finish. Entire system weight shall be 500#.

BA871XL-BK Steel Ultimate™ Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a textured black polyester powder coated finish and carry a lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be constructed of formed and welded steel with a 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboards shall carry an unconditional lifetime functional warranty. **Rim** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and orange powder coated finish. Entire system weight shall be 525#.

BA871A-BK Aluminum Ultimate Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be constructed of formed and welded aluminum with a 42" x 60" rectangular playing surface. Skin shall be 1/8" 3003-H14 aluminum and rear structure shall be 1/8" and 3/16" thick aluminum. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboard shall carry an unconditional lifetime warranty. **Rim** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and an orange powder coated finish. Entire system weight shall be 410#.

BA871A-GV Aluminum Coastal Ultimate Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a hot dipped galvanized finish and carry an unconditional lifetime warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be constructed of formed and welded aluminum with a 42" x 60" rectangular playing surface. Skin shall be 1/8" 3003-H14 aluminum and rear structure shall be 1/8" and 3/16" thick aluminum. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboard shall carry an unconditional lifetime warranty. **Rim** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and a hot dipped galvanized finish. Entire system weight shall be 410#.

BA872-BK Steel Ultimate Double-Sided Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. Two 45° extension arms shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Extension arms shall mount back to back on a single vertical pole to provide two separate goals. Pole shall be designed so that rims mount directly to arms to minimize stress on the backboards. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboards of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. Two **backboards** shall each be constructed of formed and welded steel with a 42" x 60" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboards shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboards shall carry an unconditional lifetime functional warranty. Two **rims** shall each consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rims shall have an unconditional lifetime warranty and orange powder coated finish. Entire system weight shall be 800#.

BA872XL-BK Steel Ultimate Double-Sided Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. Two 45° extension arms shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Extension arms shall mount back to back on a single vertical pole to provide two separate goals. Pole shall be designed so that rims mount directly to arms to minimize stress on the backboards. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8"grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboards of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. Two **backboards** shall be 42" x 72" rectangular steel. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. Structure on the rear shall allow mounting to common 36" x 62" supports. The backboard shall be coated with a white powder coated finish and have an official size orange shooter's square. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty. Two **rims** shall each consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rims shall have an unconditional lifetime warranty and orange powder coated finish. Entire system weight shall be 850#.

BA872A-BK Aluminum Ultimate Double-Sided Playground System
System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. Two 45° extension arms shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Extension arms shall be mounted back to back on a single vertical pole to provide two separate goals. Pole shall be designed so that rims mount directly to pole to minimize stress on the backboards. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboards of 5'. Entire pole system shall have 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboards** shall be constructed of formed and welded aluminum with a 42" x 60" rectangular playing surface. Skin shall be 1/8" 3003-H14 aluminum and rear structure shall be 1/8" and 3/16" thick aluminum. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboards shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboards shall carry an unconditional lifetime warranty. **Rims** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rims shall have an unconditional lifetime warranty and an orange powder coated finish. Entire system weight shall be 620#.

BA872A-GV Aluminum Coastal Ultimate Double-Sided Playground System
System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. Two 45° extension arms shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Extension arms shall be mounted back to back on a single vertical pole to provide two separate goals. Pole shall be designed so that rims mount directly to pole to minimize stress on the backboards. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboards of 5'. Entire pole system shall have a hot dipped galvanized finish and carry an unconditional lifetime warranty. Vertical pole shall be capped to keep out rain. **Backboards** shall be constructed of formed and welded aluminum with a 42" x 60" rectangular playing surface. Skin shall be 1/8" 3003-H14 aluminum and rear structure shall be 1/8" and 3/16" thick aluminum. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboards shall be coated with a white polyester powder coated finish and have an official size orange shooter's square. Backboards shall carry an unconditional lifetime warranty. **Rims** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rims shall have an unconditional lifetime warranty and a hot dipped galvanized finish. Entire system weight shall be 620#.

BA873-BK Ultimate Glass Playground System
System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be 42" x 72" official size ½" tempered glass with a 5-year limited warranty. Glass shall be framed with aluminum extensions and have a white border and shooter's square. **Rim** shall be the flexible type with official 5/8" diameter ring and one-piece net attachment. Rim shall have orange powder coated finish. Entire system weight shall be 550#.

BA873U-BK Ultimate Polycarbonate Black Playground System
System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be 42" x 72" official size ½" clear unbreakable polycarbonate with a limited lifetime warranty. Polycarbonate shall be framed with aluminum extensions and have a white border and shooter's square. **Rim** shall be the flexible type with official 5/8" diameter ring and one-piece net attachment. Rim shall have orange powder coated finish. Entire system weight shall be 480#.

BA874-BK Ultimate Perforated Steel Black Playground System

System shall consist of the following components: **Pole** shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 48" in-ground installation. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and ¼" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Pole shall be adjustable from 7' to 10' rim height by means of 6 each 5/8" grade 8 bolts. Pole system shall provide a minimum setback from the front of pole to front of backboard of 5'. Entire pole system shall have a 40% gloss black polyester powder coated finish and carry an unconditional lifetime functional warranty. Vertical pole shall be capped to keep out rain. **Backboard** shall be constructed of formed and welded steel with an official 42” x 72" rectangular playing surface. Skin shall be 12 ga. mild steel with ¼" perforations and a solid shooters square. Rear structure shall be 11 ga. steel tubing. All edges of the skin shall be triple bent in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish. Backboard shall carry a limited 10-year warranty. **Rim** shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and orange powder coated finish. Entire system weight shall be 525#.

Portable Basketball Systems

BA893 Street Hoops™ Portable Basketball System
System shall consist of the following components: Portable collapsible base shall be constructed of 1 ½" x 3" x 16 ga. steel tube. Base shall be welded at all joints and then powder coated silver. A white ½" thick marine plywood panel shall be attached flush to the front of the steel frame. The extension from face of backboard should be no less than 32" at 10' and height shall be adjustable from 7' to 10' in 6" increments without use of tools. When folded for storage, system shall be transportable by means of two permanently affixed wheels. Backboard constructed of white ½" marine plywood mounted in a ¾" x 1 ½" tubular welded steel frame. Design shall insure that the rim is mounted directly into the steel framework to eliminate stress on the backboard when contact is made with the rim. Backboard shall be 36" x 54", rectangular, and have an orange border and official size shooter's square. Systems with molded plastic/fiberglass backboards shall not be considered equal. Flexible rim so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be removable from the backboard without tools by means of 4 wing nuts. When collapsed, entire system without rim shall occupy a space no greater than 15" x 54" x 9 ½'. System requires 400# of ballast (not provided). (55 gallon barrel of water is most commonly used.) System shall have a 1-year limited warranty. For Safe Stuff Safety Padding order BA893PP. System weight shall be no greater than 310#.

BA893XL Super Street Hoops™ Portable Basketball System

System shall consist of the following components: Portable collapsible base shall be constructed of 1 ½" x 3" x 16 ga. steel tube. Base shall be welded at all joints and then powder coated silver. A white ½" thick marine plywood panel shall be attached flush to the front of the steel frame. The extension from face of backboard should be no less than 50" at 10' and height shall be adjustable from 7' to 10' in 6" increments without use of tools. When folded for storage, system shall be transportable by means of two permanently affixed wheels. Backboard constructed of white ½" marine plywood mounted in a ¾" x 1 ½" tubular welded steel frame. Design shall insure that the rim is mounted directly into the steel framework to eliminate stress on the backboard when contact is made with the rim. Backboard shall be 36" x 54", rectangular, and have an orange border and official size shooter's square. Systems with molded plastic/fiberglass backboards shall not be considered equal. Flexible rim so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be removable from the backboard without tools by means of 4 wing nuts. When collapsed, entire system without rim shall occupy a space no greater than 15" x 54" x 9 ½'. System requires 800# of ballast (not provided). (Two 55 gallon barrels of water is most commonly used.) System shall have a 1-year limited warranty. For Safe Stuff Safety Padding order BA893PP. System weight shall be no greater than 335#.

BA894 Acrylic Street Hoops Portable Basketball System

System shall consist of the following components: Portable collapsible base shall be constructed of 1 ½" x 3" x 16 ga. steel tube. Base shall be welded at all joints and then powder coated silver. A white ½" thick marine plywood panel shall be attached flush to the front of the steel frame. The extension from face of backboard should be no less than 32" at 10' and height shall be adjustable from 7' to 10' in 6" increments without use of tools. When folded for storage, system shall be transportable by means of two permanently affixed wheels. Backboard constructed of ½" clear acrylic mounted in a ¾" x 1 ½" tubular welded steel frame. Design shall insure that the rim is mounted directly into the steel framework to eliminate stress on the backboard when contact is made with the rim. Backboard shall be 36" x 54", rectangular, and have an orange border and official size shooter's square. Systems with molded plastic/fiberglass backboards shall not be considered equal. Flexible rim so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be removable from the backboard without tools by means of 4 wing nuts. When collapsed, entire system without rim shall occupy a space no greater than 15" x 54" x 9 ½'. System requires 400# of ballast (not provided). (55 gallon barrel of water is most commonly used.) System shall have a 1-year limited warranty. For Safe Stuff Safety Padding order BA893PP. System weight shall be no greater than 330#.

BA894XL Super Acrylic Street Hoops Portable Basketball System

System shall consist of the following components: Portable collapsible base shall be constructed of 1 ½" x 3" x 16 ga. steel tube. Base shall be welded at all joints and then powder coated silver. A white ½" thick marine plywood panel shall be attached flush to the front of the steel frame. The extension from face of backboard should be no less than 50" at 10’ and height shall be adjustable from 7' to 10' in 6" increments without use of tools. When folded for storage, system shall be transportable by means of two permanently affixed wheels. Backboard constructed of ½" clear acrylic mounted in a ¾" x 1 ½" tubular welded steel frame. Design shall insure that the rim is mounted directly into the steel framework to eliminate stress on the backboard when contact is made with the rim. Backboard shall be 36" x 54", rectangular, and have an orange border and official size shooter’s square. Systems with molded plastic/fiberglass backboards shall not be considered equal. Flexible rim so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be removable from the backboard without tools by means of 4 wing nuts. When collapsed, entire system without rim shall occupy a space no greater than 15" x 54" x 9 ½'. System requires 800# of ballast (not provided). (Two 55 gallon barrels of water is most commonly used.) System shall have a 1-year limited warranty. For Safe Stuff Safety Padding order BA893PP. System weight shall be no greater than 355#.

Playground Poles

BA775 Gooseneck Tough-Duty Playground Pole
Pole shall be constructed of 3 ½" outside diameter RS40 flow coated galvanized steel tubing with an 8 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 36" bury into the ground and a 36" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. Pole shall carry a minimum 10-year limited warranty and shall weigh 95#.

BA776 Adjustable Tough-Duty Playground Pole
Pole shall be constructed of 3 ½" outside diameter RS40 flow coated galvanized steel tubing with an 8 ga. wall thickness. Design shall be of a straight pole style and allow for a 36" bury into the ground and a straight adjustable extension that allows for a 36" offset from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. Flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. If a pole is already installed order BA776A for extension arm, backboard and braces. Pole shall carry a minimum 10-year limited warranty and shall weigh 125#.

BA777 Gooseneck Heavy-Duty Playground Pole
Pole shall be constructed of 4 ½" outside diameter RS40 flow coated galvanized steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 48" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. Poles shall carry a minimum 25-year warranty and shall weigh 150#.

BA777XL Gooseneck Heavy-Duty Playground Pole
Pole shall be constructed of 4 ½" outside diameter RS40 zinc flow coated steel tubing with a 7 ga. wall thickness. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 60" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. Poles shall carry a minimum 25-year warranty and shall weigh 160#.

BA778 Adjustable Heavy-Duty Playground Pole
Pole shall be constructed of 4-½" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a straight pole style and allow for a 48" bury into the ground and have a 48" extension from the front of the pole to the face of the backboard bolted on to the upright section. Two 1 5/8" diameter, 13 ga. Flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. If a pole is already installed order BA778A for extension arm, backboard and braces. For a Double-Sided system order BA778DB. Pole shall carry a limited 25-year warranty and weigh 175#.

BA780 Gooseneck Mega-Duty Playground Pole
Pole shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 72" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. Pole shall carry a limited lifetime warranty and shall weigh 280#.

BA780XL Gooseneck Mega-Duty Playground Pole
Pole shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a bent gooseneck style and allow for a 48" bury into the ground and a 96" extension from the front of the pole to the face of the backboard. Two 1 5/8" diameter, 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Pole systems without backboard support braces shall not be considered equal. Pole shall carry a limited lifetime warranty and weigh 320#.

BA781 Adjustable Mega-Duty Playground Pole
Pole shall be constructed of 5 9/16" outside diameter schedule 40 structural pipe and have a hot dipped galvanized finish. Design shall be a straight pole style and allow for a 48" bury into the ground and have a 72" extension from the front of the pole to the face of the backboard bolted on to the upright section. Two 1 5/8" diameter, 13 ga. flow coated galvanized tubular braces shall support the top of the backboard and connect directly to the pole. Pole shall be designed so that the rim mounts directly to the horizontal pole section through the backboard to eliminate stress on the backboard during play. Polesystems without backboard support braces shall not be considered equal. If a pole is already installed order BA781A for extension arm, backboard and braces. For a DoubleSided system order BA781DB. Pole shall carry a limited lifetime warranty and weigh 340#.

Backboards

BA77XBR Backboard Braces
Two 1 5/8" diameter 13 ga. zinc flow coated tubular braces shall support the top of the backboard and connect directly to the pole. Includes pole mounting bands for 3 ½" and 4 ½" poles and hardware to mount to pole and backboard. Approximate shipping weight 13#.

BA407U Unbreakable Polycarbonate Playground Backboard (54" x 42")
Backboard shall be constructed of ½" thick clear polycarbonate and measure 54" x 42". Backboard shall be framed with aluminum extrusion with steel corner brackets. A steel rear structure shall be mounted into the aluminum framework and provide support to the backboard where the rim attaches. An official sized shooter's square and border shall be silk screened on the face of the backboard. Board shall carry a limited lifetime warranty and weigh 130#.

BA42UC Unbreakable 72" Offical Size Polycarbonate Backboard
Backboard shall be 42" x 72" official size ½" clear unbreakable polycarbonate with a limited lifetime warranty. Polycarbonate shall be framed with aluminum extrusions and have a white border and shooters square. A tubular sub-frame shall be mounted to the rear of the backboard to provide support at the rim mounting location and provide threaded inserts for brace attachment on gooseneck playground systems. Backboard shall carry a lifetime limited warranty and shall weigh 230#.

BA454 "Perpetual" Steel Playground Backboard (54" x 39")
Backboard shall be constructed of 12 ga. steel and have a 54" x 39" rectangular playing surface. All edges shall be formed to provide a 1 ½" minimum lip to provide additional backboard rigidity. Backboard shall have a white powder coated finish, perforated holes to provide a permanent official size shooting target and carry a minimum 10-year limited warranty and weigh 110#.

BA454AW “Perpetual” Aluminum Playground Backboard (54" x 39")
Backboard face shall be constructed of 1/8" aluminum and have a 54" x 39" rectangular playing surface. All edges shall be formed to provide a 1 ½" minimum lip to provide additional backboard rigidity. An additional rear support channel shall be constructed of 3/16" aluminum and provide additional support behind the rim. Backboard shall have a white powder coated finish, perforated holes to provide a permanent official size shooting target, carry a limited lifetime warranty and weigh 55#.

BA47 Ultimate Rectangular Steel Playground and Side Court Backboard (60" x 42")
Backboard shall be constructed of formed and welded steel with a 60" x 42" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official size orange shooter’s square. Backboard shall carry a limited 10-year warranty and weigh 145#.

BA465 Fan-Shaped Fiberglass Front Mount Backboard
Backboard shall be 54" x 39" fan shaped fiberglass. The frontand rear shell shall be gel coated fiberglass that is a minimum of 1/8" thick. The front and rear shall be permanently bonded together around a solid fiber core to create a solid backboard with an overall thickness of 1 ½". Eight (8) threaded steel inserts are molded into the rear shell to facilitate mounting to common 20" x 35" support structure. The front and back of the backboard shall be white and an official orange shooter’s square and boarder shall be permanently molded into the surface. Backboard shall accept rims with a 5" x 5" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of 89#.

BA472 Official Rectangular Steel Backboard (72" x 42")
Backboard shall be 42" x 72" rectangular steel. Skin shall be 12 ga. mild steel and rear structure shall be 7 ga. and 10 ga. All skin edges shall be safety rolled to eliminate sharp edges and increase strength and rigidity. Structure on the rear shall allow mounting to common 36" x 62" supports. The backboard shall be coated with a white powder coated finish and have an official size orange shooter’s square. Backboard shall accept rims with a 5" x 4" hole pattern and be manufactured in the USA. Backboard shall carry a 10-year limited warranty and have a shipping weight of approximately 160#.

BA475 Lifeguard Cast Aluminum Backboard (54" x 36" Fan)
Backboard shall be constructed of cast aluminum with a 54" x 36" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". Backboard shall carry a limited lifetime warranty and weigh 55#.

BA475SS Lifeguard White Aluminum Backboard with Boarder & Shooters Square (54" x 36" Fan)
Backboard shall be constructed of cast aluminum with a 54" x 36" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish and have an official size orange shooter's square and border. Backboard shall carry a limited lifetime warranty and weigh 55#.

BA475W Lifeguard White Aluminum Backboard (54" x 36" Fan)
Backboard shall be constructed of cast aluminum with a 54" x 36" fan-shaped playing surface. The minimum playing surface thickness shall be 3/16". A minimum of 35' of support ribs shall be cast into the rear of the backboard. Total thickness of the backboard shall be 1 3/8". The backboard shall be coated with a white textured polyester powder coated finish. Backboard shall carry a limited lifetime warranty and weigh 55#.

BA485 Ruff Play™ Rear Mount Steel Playground Backboard (54" x 35" Fan)
Backboard shall be 54" x 35" fan-shaped steel and be designed for rear mount rim applications. Skin shall be 12 ga. mild steel with 7 ga. and 10 ga. support structure and be pre-punched to accept Bison BA64 protector angles to protect backboards from damage during rough use. Backboards without protector angle holes shall not be considered equal. All skin edges shall be formed to create a 1 ½" lip to add strength. Structure on the rear shall allow mounting to common 20" x 35" supports. The backboard shall be coated with a white polyester powder coated finish. Backboard shall carry a 5-year limited warranty (10-year if used with Bison BA64 or BA31U) and have a shipping weight of approximately 90#.

BA485E Economy Rear Mount Fan-Shaped Steel Backboard (54" x 35" Fan)
Backboard shall be 54" x 35" fan-shaped steel and be designed for rear mount rim applications. Skin shall be 12 ga. mild steel with support structure to facilitate mounting. All skin edges shall be formed to create a 1 ½" lip to ad strength. Structure on the rear shall allow mounting to common 20" x 35" supports. The backboard shall be coated with a white polyester powder coated finish. Backboard shall accept all common rear mount rims and be manufactured in the USA. Backboard shall carry a 90-day limited warranty and have a shipping weight of approximately 90#.

BA495 Dura Steel Fan-Shaped Playground Backboard (54" x 39" Fan)
Backboard shall be constructed of formed and welded steel with a 54" x 39" fan-shaped playing surface. Skin shall be 12 ga. mild steel and support structure shall be 7 ga. and 10 ga. All skin edges shall be formed to create a 1 ½" lip to add strength. The backboard shall be coated with a white polyester powder coated finish and have an official orange shooter's square. Backboard shall carry a minimum 10-year limited warranty and weigh 100#.

BA495E Economy Front Mount Steel Fan-Shaped Playground Backboard (54" x 39" Fan)
Backboard shall be 54" x 39" fan-shaped steel. Skin shall be 12 ga. mild steel with support structure to facilitate mounting. All skin edges shall be formed to create a 1 ½" lip to add strength. Structure on the rear shall allow mounting to common 20" x 35" supports. The backboard shall be coated with a white polyester powder coated finish. Backboard shall accept rims with a 5" x 5" hole pattern and be manufactured in the USA. Backboard shall carry a 90-day limited warranty and have a shipping weight of 70#.

BA495P Rust-Free Poly Fan-shaped Playground Backboard (54"x 39" Fan)
Backboard shall be 54" x 39" x 1" thick fan-shaped polyethylene. Front and back surfaces shall be bright white. An official size shooter's square shall be made permanently visible by means of machining through the front white face of the backboard exposing the red inner core. Silk screened or otherwise affixed shooter's square shall not be considered an acceptable equal. All edges shall be radiused to eliminate sharp corners. Board shall be drilled and counterbored for appropriate mounting braces and to accept rims with a 5" x 5" hole pattern. Backboard shall have a limited lifetime warranty and a shipping weight of approximately 65#.

Goals

BA28 Magnum™ Heavy-Duty Playground Goal
Rim shall consist of a ¾" diameter steel ring with continuous wire formed netlocks. A nylon net shall be included. The backplate is 5/16" thick and punched to mount on all front mount backboards with a 5" x 4-5" hole pattern. The rim shall be supported by one 5/8" diameter and one 3/8" diameter rim support. Mounting hardware shall be included. Rim must have a 1-year limited warranty, orange powder coated finish, be made in the USA and weigh approximately 21#.

BA31N Rear Mount Double Rim Goal For Nylon Nets
Rim shall consist of two official size 5/8" diameter steel rings welded together at no less than six places. Individual netlocks shall be attached to the lower ring. All structural components shall be no less than 3/16" thick punched to mount on all rear mount backboards. Additional holes shall be pre-punched to accept a special backboard protector angle (Bison BA64) designed to strengthen vulnerable rim mounting areas on rear mount backboards. Rims without these holes shall not be considered equal. The rings shall be supported by a ¼" x 1 ½" rim support that is welded around 180° of the bottom of the ring. Mounting hardware shall be included. Rim must have a 1-year limited warranty, an orange powder coated finish, a nylon net, be made in the USA and weigh approximately 23#.

BA31U Ultimate Rear Mount Playground Goal
Rim shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an equal. Rim shall be punched to mount on any rear mount backboard, have an unconditional lifetime warranty and an orange powder coated finish. *Rim shall be supplied with a backboard protector angle that mounts to the rim and attaches through the backboard to strengthen vulnerable rim mounting areas. Rim without protector angle shall not be considered equal.* Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 34#.

BA32 Heavy-Duty Side Court and Recreational Flex Goal
Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. Rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 ½" rim support that is welded around 180° of the bottom of the ring. A steel coverplate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 22#.

BA33U Double-Rim Heavy-Duty Recreational Flex Goal
Rim shall be of a flexible type so as to absorb the shock of player contact. Spring action shall be provided by a compression spring. Assembly shall consist of two official size 5/8" high strength steel rings welded together at a minimum of six places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall be punched to mount on any front mount backboard, have a 1-year limited warranty and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 29#.

BA37 Front Mount Double Rim Goal For Chain Nets
Rim shall consist of an official size 5/8" diameter steel ring and a ½" steel ring welded together at no less than six places. The lower ring shall be formed to accept chain nets (included). The backplate shall be a minimum of 3/16" thick punched to mount on all front mount backboards. One ½" diameter and one 3/8" diameter rim support shall provide added strength. Mounting hardware shall be included. Rim must have a 1-year limited warranty, an orange powder coated finish, be made in the USA and weigh approximately 18#.

BA37N Front Mount Double Rim Goal for Nylon Nets
Rim shall consist of two official size 5/8" diameter steel rings welded together at no less than six places. Twelve individual netlocks shall be attached to the lower ring. The backplate shall be a minimum of 3/16" thick punched to mount on all front mount backboards. One ½" diameter and one 3/8" diameter rim support shall provide added strength. Mounting hardware shall be included. Rim must have a 1-year limited warranty, an orange powder coated finish, a nylon net, be made in the USA and weigh approximately 18#.

BA39U Ultimate Front Mount Playground Goal
Rim shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall be punched to mount on any front mount backboard, have an unconditional lifetime warranty and orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 27#.

BA39U-GV Coastal Ultimate Front Mount Playground Goal
Rim shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. *Individual or continuous wire formed netlocks are not an acceptable equal*. Rim shall be punched to mount on any front mount backboard, have an unconditional lifetime warranty and a hot dipped galvanized finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 27#.

Backboard Padding

BA72U, BA60U, BA54U, BA48U DuraSkin Outdoor Backboard Padding
Applies also to BA72U-BK, BA54U-GR, BA54U-BK, BA48U-BK, BA60U-GR, and BA60U-BK
Padding shall be molded with an integral skin and have a tear strength of no less than 125 psi. Padding shall be no less than ¾" thick and cover the lower and bottom edge of the backboard no less than 2 ½" high and 3" deep. Padding shall protect both sides of backboard a minimum of 12" from the bottom of the backboard.

Molded in steel inserts shall provide mounting locations to allow padding to be screwed to backboard frame. Padding shall be black and carry a 1-year limited warranty. Mounting hardware shall be included.

Select size BA72U for 72" backboards, BA60U for 60" backboards, BA54U for 54" backboards and BA48U for 48" backboards.

Nets

BA50 Premium Steel Playground Safety Net
Net shall be constructed entirely of welded link smooth chain. Chain wire diameter shall be no less than .133". Net assembly shall include no more than two non-welded links and result in rectangular net openings that reduce the risk of hand or finger entrapment. Net shall attach to rims by means of twelve “S” hooks that shall be constructed of no less than .188" diameter wire. All components shall be zinc plated. *Any net constructed with nonwelded links shall not be considered equal*. Net shall weigh approximately 3# and carry a 2-year limited warranty.

Volleyball Equipment

Arena II Freestanding Portable Systems

VB8100 Arena II Freestanding Portable Volleyball System

System shall be capable of providing elite competition level volleyball play without the use of additional loose ballast, floor hold downs or any wall or ceiling attachment. System shall be suitable for use on all floor systems designed for competition play including maple, molded square tile and synthetic and allow suspension of no less than 250# from the center of the net when fully tensioned without movement of the bases.

Primary structural steel components shall be a minimum of 4" x 2" tubing with a minimum 1/8" wall thickness. All pivot points to facilitate folding, transport and storage shall be 1 ¼" steel pins. Welded base shall provide a fully enclosed ballast compartment that is properly loaded with ballast at the factory. System shall be capable of setup by one person. All steel components shall have a gray hammertone polyester powder coated finish. Entire system shall rest on the floor when in the transport position on eight (8), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lowered to the floor onto two 15 ¾" x 2" urethane skid bars. Skid bars shall be lowered by means of lever action activated when the pole is raised into the playing position.

The telescoping integral post design shall insure that no portion of the standards protrude above the top of the net at any net height setting on either end. The 3" steel outer tube shall have a minimum wall thickness of .22". The inner telescoping pole shall be 6061-T6 aluminum tubing and have a 2 ½" OD with a .21" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube.

Net height shall be infinitely variable from a minimum of 80" to 98" with a single, spring assisted threaded release knob per post and have the capability of being locked into place at men's, women's and junior's height with a detent locking pin. Men's, women's and junior's height settings shall be clearly identified on the inner telescoping tube by machined markings.

The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and a polypropylene bottom rope. For replacement net order VB1250K. The top rope shall rest on rope saving top domes. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of a machined winch with a 26:1 ratio worm gear mounted on the official platform standard. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to have a non removable folding handle and to tension to a 2" wide nylon webbing strap that is attached to the net top rope. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. For replacement Ratchet Net Tensioning Kit order VB1200RR.Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end.

Top and bottom net ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Entire front and sides of the base and front of the structural upright shall be padded to a minimum height of 72" with a combination of 2" and 1" thick high density foam covered with vinyl in your choice of 16 colors. Padding can at no cost be printed with up to 10 letters per side. For replacement padding order VB51P. System shall include official boundary antennas. For replacement antennas order VB13. For Arena II Court Adder order VB810.

System weight shall be approximately 1500# per end. The padded base shall be approximately 40" wide in the back and taper to 17" wide in the front x 48" long. The total stored dimension shall be approximately 40" wide x 69" long x 80" high on the official's stand base and 51" high on the down official's side.

System shall carry a limited lifetime warranty on winch and steel bases, a 5-year padding warranty and a 2-year net and antenna warranty. Entire system shall meet or exceed all NCAA, USVBA, NFHS and FIVB specifications in effect at the date of this publication.

VB8102 Arena II Side-by-Side Double Court Freestanding Portable Volleyball System

Entire system shall consist of two end base assemblies, one with built-in official's platform, one center post and base assembly, all safety padding, 2 nets, 2 pair of boundary antennae, center post assembly transport dolly, net tensioning winches and all necessary ballast. System shall also be capable of configuration as a single court with the omission of the center base/post assembly.

System shall be capable of providing elite competition level volleyball play without the use of additional loose ballast, floor hold downs or any wall or ceiling attachment. System shall be suitable for use on all floor systems designed for competition play including maple, molded square tile and synthetic and allow suspension of no less than 250# from the center of the net when fully tensioned without movement of the bases.

Primary end base structural steel components shall be a minimum of 4" x 2" tubing with a minimum 1/8" wall thickness. All pivot points to facilitate folding, transport and storage shall be 1 ¼" steel pins. Welded end bases shall provide fully enclosed ballast compartments that are properly loaded with ballast at the factory. System shall be capable of setup by one person. All steel components shall have a gray hammertone polyester powder coated finish. End bases shall rest on the floor when in the transport position on eight (8), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lowered to the floor onto two 15 ¾" x 2" urethane skid bars. Skid bars shall be lowered by means of lever action activated when the end poles are raised into the playing position.

The telescoping integral post design shall insure that no portion of the standards protrude above the top of the net at any netheight setting on either end. The 3" steel outer tube shall have a minimum wall thickness of .22". The inner telescoping pole shall be 6061-T6 aluminum tubing and have a 2 ½" OD with a .21" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube.

Center post/base assembly shall be constructed of heavy tubular and sheet steel with a gray hammertone polyester powder coated finish. The 3" OD steel and 2 ½" OD aluminum inner posts shall have the same adjustability features as the posts on the end base assemblies and be fully padded to meet all applicable standards.

Net height shall be infinitely variable from a minimum of 80" to 98" with a single, spring assisted threaded release knob per post and have the capability of being locked into place at men's, women's and junior's height with a detent locking pin. Men's, women's and junior's height settings shall be clearly identified on the inner telescoping tube by machined markings.

The nets shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and a polypropylene bottom rope. The top ropes shall rest on rope saving top domes. The top, bottom and sides of the nets shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the nets shall be tensioned by means of machined winches with a 26:1 ratio worm gear mounted on each end standard. All winch shafts shall rotate in sealed ball bearings. Winches shall be designed to have a non removable folding handle and to tension to a 2" wide nylon webbing strap that is attached to the net top rope. Net bottom ropes shall be tensioned by means of ratcheting style tensioners. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end.

Top and bottom net ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Entire front and sides of the end bases and front of the structural upright shall be padded to a minimum height of 72" with a combination of 2" and 1" thick high density foam covered with vinyl in your choice of 16 colors. Padding can at no cost be printed with up to 10 letters per side. System shall include official boundary antennas.

Total system weight shall be approximately 3500#. The padded end bases shall be approximately 40" wide in the back and taper to 17" wide in the front x 48" long. The total stored dimension shall be approximately 40" wide x 69" long x 80" high on the official's stand base and 51" high on the down official's side.

System shall carry a limited lifetime warranty on winch and steel bases, a 5-year padding warranty and a 2-year net and antenna warranty.

Centerline Elite Aluminum Systems

VB1000 (VB1000NS) Bison Centerline Elite Aluminum Volleyball System
Applies Also to VB10 and VB100

Standards shall be special 6063-T6 aluminum extrusions. The telescoping design shall insure that no portion of the standard protrudes above the top of the net at any net height setting on either end. The 3" outer tube shall have a .32" minimum wall thickness and have extruded flat surfaces on the inside diameter to eliminate inner pole rotation. The inner pole shall be extruded in a special shape to fit inside the outer pole, have machined markings for men's and women's playing heights, and have a minimum wall thickness of .4". A pin in the outer tube shall ride in a machined slot in the inner tube to prohibit the inner tube from separating from the outer tube. Inner tube shall have anodized finish. Outer tube shall have a powder coated finish. Bottom of outer tube shall be fitted with a threaded adjustment assembly with a non-marking rubber footpad to allow for fine tuning pole height, and to eliminate floor damage. Non-winch standards shall weigh a maximum 34# and winch end standard shall weigh a maximum of 39#.

The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. The top rope shall rest in the grove of a dome shaped nylon rope guide on the top of each standard. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape with internal fiberglass dowels shall be tensioned by means of no less than two ratchet style rope tensioners. For replacement Ratchet Net Tensioning Kit order VB1200RR.

Net height shall be infinitely variable from a minimum of 72" to 96" with a single threaded release knob per standard and have the capability of being locked into place at men's and women's height with a detent locking pin. Height setting shall be clearly identified on the inner telescoping tube by machined markings.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½ " thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed in your choice of 5 colors with up to 10 letters per side. For replacement padding order VB51P. System shall include official boundary antennas. For replacement antennas order VB13.

Floor sockets (excluded on VB1000NS) shall be extruded aluminum. Floor plates (excluded on VB1000NS) shall be constructed of machined cast bronze with a hinged lid. Each system shall include free adapter sockets VB335 (3 ½" to 3"), VB340 (4" to 3"), VB354 (4" to 3 ½"). For socket depth adapter order VBDSS.

VB1002 (VB1002NS) Bison Centerline Side-by-Side Elite Aluminum Volleyball System

Systems shall consist of three (3) standards, two (2) with winches and one (1) center post without a winch suitable for setup as two side-by-side volleyball courts.

Standards shall be special 6063-T6 aluminum extrusions. The telescoping design shall insure that no portion of the standard protrudes above the top of the net at any net height setting on either end. The 3" outer tube shall have a .32" minimum wall thickness and have extruded flat surfaces on the inside diameter to eliminate inner pole rotation. The inner pole shall be extruded in a special shape to fit inside the outer pole, have machined markings for men's and women's playing heights, and have a minimum wall thickness of .4". A pin in the outer tube shall ride in a machined slot in the inner tube to prohibit the inner tube from separating from the outer tube. Inner tube shall have anodized finish. Outer tube shall have a powder coated finish. Bottom of outer tube shall be fitted with a threaded adjustment assembly with a nonmarking rubber footpad to allow for fine tuning pole height, and to eliminate floor damage. Non-winch standards shall weigh a maximum 34# and winch end standard shall weigh a maximum of 39#.

Two (2) nets shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. The top rope shall rest in the grove of 4" diameter aluminum pulleys on the top of each standard. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape with internal fiberglass dowels shall be tensioned by means of no less than two ratchet style rope tensioners.

Net height shall be infinitely variable from a minimum of 72" to 96" with a single threaded release knob per standard and have the capability of being locked into place at men's and women's height with a detent locking pin. Height setting shall be clearly identified on the inner telescoping tube by machined markings.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side. System shall include 2 pair of official boundary antennas.

Three (3) floor sockets (excluded on VB1002NS) shall be extruded aluminum. Floor plates (excluded on VB1002NS) shall be constructed of machined cast bronze with a hinged lid. Order VB23 for additional floor sockets and plates. Each system shall include free adapter sockets to allow installation into existing 3 ½" or 4" floor sockets and free deep socket adapters upon request.

Standards and winch shall carry no less than a limited lifetime warranty. System shall have a 5-year padding warranty and a two year net and antenna warranty. Entire package shall weigh 230#.

Standards and winch shall carry no less than a limited lifetime warranty. System shall have a five-year padding warranty and a 2-year net and antenna warranty. Entire system shall meet or exceed all NCAA, USVBA, NFHS and FIVB requirements for competition.

Entire package shall weigh 145#.

Centerline Elite Steel Hybrid Systems

VB2000 (VB2000NS) Bison Centerline Elite Steel Volleyball System
Applies Also to VB20 and VB200

Standards shall be DOM welded steel tube. The telescoping design shall insure that no portion of the standard protrudes above the top of the net at any net height setting on either end. The 3" outer tube shall have a minimum wall thickness of .22" and have a powder coated finish. The inner pole shall be 6061-T6 aluminum tubing and have a 2- ½" OD with a .21" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube Bottom of outer tube shall be fitted with a threaded adjustment assembly with a non-marking rubber footpad to allow for fine tuning pole height, and to eliminate floor damage. Non-winch standards shall weigh a maximum of 61# and winch end standard shall weigh a maximum of 66#.

The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. The top rope shall rest in the grove of 4" diameter aluminum pulleys on the top of each standard. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end. For replacement Ratchet Net Tensioning Kit order VB1200RR.

Net height shall be infinitely variable from a minimum of 72" to 96" with a single threaded release knob per standard and have the capability of being locked into place at men’s and women’s height with a detent locking pin. Height setting shall be clearly identified on the inner telescoping tube by machined markings.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side. For replacement padding order VB51P. System shall include official boundary antennas. For replacement antennas order VB13.

Floor sockets (excluded on VB2000NS) shall be aluminum extrusions. Floor plates (excluded on VB2000NS) shall be constructed of machined cast bronze with a hinged lid. Each system shall include free adapter sockets VB335 (3½" to 3"), VB340 (4" to 3"), VB354 (4" to 3½"). For socket depth adapter order VBDSS.

System shall carry no less than a limited lifetime warranty on winch and standards.
System shall have a 5-year padding warranty and a two-year net and antenna warranty.

Entire system shall meet or exceed all NCAA, USVBA, NFHS and FIVB requirements for competition.

Entire package shall weigh 220#.

VB2002 (VB2002NS) Bison Centerline Side-by-Side Elite Steel Volleyball System
Systems shall consist of three (3) standards, two (2) with winches and one (1) center post without a winch suitable for setup as two side-by-side volleyball courts.

Standards shall be DOM welded steel tube. The telescoping design shall insure that no portion of the standard protrudes above the top of the net at any net height setting on either end. The 3" outer tube shall have a minimum wall thickness of .22" and have a powder coated finish. The inner pole shall be 6061-T6 aluminum tubing and have a 2-½" OD with a .21" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube Bottom of outer tube shall be fitted with a threaded adjustment assembly with a non-marking rubber footpad to allow for fine tuning pole height, and to eliminate floor damage. Nonwinch standards shall weigh a maximum of 61# and winch end standard shall weigh a maximum of 66#.

Two nets shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. The top rope shall rest in the grove of 4" diameter aluminum pulleys on the top of each standard. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end.

Net height shall be infinitely variable from a minimum of 72" to 96" with a single threaded release knob per standard and have the capability of being locked into place at men’s and women’s height with a detent locking pin. Height setting shall be clearly identified on the inner telescoping tube by machined markings.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side. System shall include two pair official boundary antennas.

Three (3) floor sockets (excluded on VB2002NS) shall be aluminum extrusions. Floor plates (excluded on VB2002NS) shall be constructed of machined cast bronze with a hinged lid. Order VB23 for additional floor sockets and plates. Each system shall include free adapter sockets to allow installation into existing 3 ½" or 4" floor sockets and free deep sockets adapters upon request.

System shall carry no less than a limited lifetime warranty on winch and standards. System shall have a five-year padding warranty and a 2-year net and antenna warranty.

Entire system shall meet or exceed all NCAA, USVBA, NFHS and FIVB requirements for competition. Entire package shall weigh 310#.

Centerline Magic Systems

Centerline Magic Self Storing Volleyball System Specifications
(VB4000, VB4002, VB40, VB400)

System shall be designed so that the poles telescope into permanent floor wells that recede no more than 34" below the playing surfaces when not in use, eliminating the need to transport the poles from and to storage for set up and tear down.

Each pole shall be constructed of five 6061-T6 aluminum tubes each machined for a smooth telescoping operation and then hard coated for durability. Each pole section shall have a minimum wall thickness of 1/4" after machining to insure rigidity and durability.

Floor well shall be constructed of 6061-T6 aluminum, have a water tight sealed bottom plate and allow the inner telescoping poles to be removable for service if needed.

Each pole section shall telescope with the mating pole section by manually lifting approximately 20" and then rotating approximately 10° to lock in place. The top telescoping section shall be adjustable in 1/2" increments by means of a spring loaded release pin. Additional adjustment in 1/16" increments shall be achieved by 180° rotation of the top rope guide. Design shall incorporate features to control the downward momentum of the pole sections as they are released and lowered.

When not in use, the floor well and pole shall be concealed under a hinged brass floor plate permanently attached to the floor.

Net top rope tensioning shall be accomplished by means of a 26:1 backlash free, fully machined worm gear winch with a folding attached handle mechanism.

Top rope, winch, kevlar top rope net, antennae, boundary markers and side tape tensioners shall be stored in a zippered carrying case and all be capable of setup without tools by a single person.

Padding, poles, net, and antennae shall all meet NCAA, USVBA and National High School Federation rules for all levels of play.

CarbonMax Composite Systems

VB7000 (VB7000NS) Complete Bison CarbonMaxTM Volleyball System
Applies Also VB70 and VB700

Uprights shall consist of an external 3 ½" outside diameter, ¼" wall high modulus carbon fiber wound composite tube and a 3" outside diameter 6061-T6 aluminum telescoping clear anodized inner pole. Inner pole shall move freely up and down to adjustment heights between 6' 6" and 8' 2" by means of an internal bevel gear and lead screw mechanism activated by a low-profile, non-removable winch handle. Net height adjustment shall be possible with net attached and fully tensioned. A heavy wall 3" outside diameter 6061-T6 aluminum extrusion shall be permanently bonded and protrude 10" below the external composite tube to allow installation into any 3" diameter floor socket. Adapters to allow installation into 3 ½" and 4" sockets shall be available at no extra cost.

The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. The top rope shall be contained in a machined slot on an antifriction top dome. The top, bottom and sides of the net shall be finished with whitecoated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non-removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape with internal rigid dowels shall be tensioned by means of no less than two ratchet style rope tensioners. For replacement Ratchet Net Tensioning Kit order VB1200RR. Height setting shall be clearly marked on the inner telescoping tube.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side at no extra cost. For replacement padding order VB51P. System shall include official boundary antennas. For replacement antennas order VB13.

Floor sockets (if applicable) shall be extruded aluminum. Floor plates (if applicable) shall be constructed of machined cast bronze with a hinged lid. Floor socket adapters include: VB335 (3½" to 3"), VB340 (4" to 3"), VB354 (4" to 3½"). For socket depth adapter order VBDSS. Standards and winch shall carry no less than a limited lifetime warranty. System shall have a 5-year padding warranty and a 2-year net and antenna warranty. Entire system shall meet or exceed all NCAA, USVBA, and NFHS requirements for competition. Entire Package shall weigh 140#.

VB7002 (VB7002NS) Bison Side-by-Side CarbonMax™ Volleyball System
Systems shall consist of three (3) Standards, two (2) with winches and one (1) center post without a winch suitable for setup as two side-by-side courts, or a single court.

Uprights shall consist of an external 3½" outside diameter, ¼" wall high modulus carbon fiber wound composite tube and a 3" outside diameter 6061-T6 aluminum telescoping clear anodized inner pole. Inner pole shall move freely up and down to adjustment heights between 6' 6" and 8' 2" by means of an internal bevel gear and lead screw mechanism activated by a low-profile, non-removable winch handle. Net height adjustment shall be possible with net attached and fully tensioned. A heavy wall 3" outside diameter 6061-T6 aluminum extrusion shall be permanently bonded and protrude 10" below the external composite tube to allow installation into any 3" diameter floor socket. Adapters to allow installation into 3½" and 4" sockets shall be available at no extra cost.

The nets shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. The top rope shall be contained in a machined slot on an anti-friction top dome. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non-removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. Each net side tape with internal rigid dowels shall be tensioned by means of no less than two ratchet style rope tensioners. Height setting shall be clearly marked on the inner telescoping tube.

Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side at no extra cost. System shall include official boundary antennas.

Floor sockets (if applicable) shall be extruded aluminum. Floor plates (if applicable) shall be constructed of machined cast bronze with a hinged lid. Standards and winch shall carry no less than a limited lifetime warranty. System shall have a five-year padding warranty and a two year net and antenna warranty. Entire system shall meet or exceed all NCAA, USVBA, and NFHS requirements for competition. Entire Package shall weigh 140#.

Lady CarbonMax Composite Systems

VB3000 (VB3000NS) Complete Bison Lady CarbonMaxTM Volleyball System
Applies Also to VB30, VB300, VB3002, and VB3002NS

Uprights shall consist of an external 3½" outside diameter, ¼" wall high modulus carbon fiber wound composite tube. A heavy wall 3" outside diameter 6061-T6 aluminum extrusion shall be permanently bonded inside the bottom and protrude 10" below the composite tube to allow installation into any 3" diameter floor socket. A threaded footpad shall be located on the bottom of the extrusion to provide fine adjustment for proper women's net height. Adapters to allow installation into 3½" and 4" sockets shall be available at no extra cost. The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. The top rope shall be contained in a machined slot on an anti-friction top dome. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of an aluminum machined winch with a 26:1 ratio worm gear mounted on one end. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to wind a 2" wide nylon webbing strap that is attached to the net top rope and have a non-removable folding handle. Net bottom rope shall be tensioned by means of a ratcheting style tensioner. For replacement Ratchet Net Tensioning Kit order VB1200RR. Each net side tape with internal rigid dowels shall be tensioned by means of no less than two ratchet style rope tensioners. Top and bottom ropes shall be covered for player safety between the standards and the edge of the net by no less than ½" thick foam padding with white vinyl cover. Each standard shall be padded to a minimum height of 72" with 1½" thick high-density foam covered with vinyl in your choice of 12 school colors. Padding can, at the option of purchaser, be printed with up to 10 letters per side at no extra cost. For replacement padding order VB51P. System shall include official boundary antennas. For replacement antennas order VB13. Floor sockets (if applicable) shall be extruded aluminum. Floor plates (if applicable) shall be constructed of machined cast bronze with a hinged lid. Floor socket adapters include: VB335 (3½" to 3"), VB340 (4" to 3"), VB354 (4" to 3½"). For socket depth adapter order VBDSS. Standards and winch shall carry no less than a limited lifetime warranty. System shall have a 5-year padding warranty and a 2-year net and antenna warranty. Entire system shall meet or exceed all NCAA, USVBA, and NFHS requirements for competition. Entire Package shall weigh 140#.

Match Point Aluminum System

VB6000 (VB6000NS) Match Point Aluminum Stationary Competition Volleyball System
Applies Also to VB60, VB600, VB6002, VB6002NS
System shall consist of the following components: Posts shall be constructed of a special 3½" OD 6063-T6 aluminum extrusion with a net adjusting track running the full length of the pole to facilitate infinite adjustment from tennis height (42") to men's competition volleyball (7' 11 5/8"). Height adjustment shall be accomplished by a single locking lever on each post. Top net rope shall be tightened using a worm gear style winch with a 2" wide nylon strap. Aluminum pole shall have a gold anodized finish. Top and bottom of pole shall be fitted with plastic floor protective inserts. Posts shall carry a 10-year limited warranty. Floor sockets (excluded on VB6000NS) shall consist of an aluminum socket assembly and a hinged bronze floor plate assembly. Floor socket adapters include: VB335 (3½" to 3"), VB340 (4" to 3"), VB354 (4" to 3½"). For socket depth adapter order VBDSS. The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. Bottom rope and net side tapes shall be tightened by means of ratcheting style tensioners. or replacement Ratchet Net Tensioning Kit order VB1200RR. Padding for posts shall conform to all NCAA and National Federation of State Highs School Associations rules and be available in 12 school colors. For replacement padding order VB51P. Material is 1½" thick high-density foam with a heavy vinyl cover. Antennas shall conform to all applicable rules. For replacement antennas order VB13. Entire system shall weight 155#.

VB6050 (VB6050NS) Recreational Aluminum Stationary Volleyball/Tennis Package
System shall consist of the following components: Posts shall be constructed of a special 3 ½" OD 6063-T6 aluminum extrusion with a net adjusting track running the full length of the pole to facilitate infinite adjustment from tennis height (42") to men's competition volleyball (7' 11 5/8"). Height adjustment shall be accomplished by a single locking lever on each post. Top net rope shall be tightened using a worm gear style winch with a 2" wide nylon strap. Bottom rope and net shall be tightened by means of ratcheting style tensioners. Aluminum pole shall have a gold anodized finish. Top and bottom of pole shall be fitted with plastic floor protective inserts. Posts shall carry a 10-year limited warranty. Floor sockets (excluded in VB6050NS) shall consist of an aluminum socket assembly and an aluminum socket cap. The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. Entire system shall weigh 145#.

Outdoor Volleyball Systems

SVB2000A Sand Bar Outdoor Aluminum Volleyball System
Posts shall be constructed of 3½" diameter extruded aluminum with an integral track to facilitate net height adjustment from 6'6" to 7' 11 5/8". Posts shall have a powder coated finish and be suitable for burying directly into the ground or made removable using optional VB21 ground sleeves. 36" high x 32' long net shall be attached to a slider bar that shall raise and lower in the post track to adjust net. Top rope of net shall be tensioned by means of a pulley and rope cleat. For replacement net order SVB08. System shall have a 2-year limited warranty and weigh 110# each.

SVB210 Sand Volleyball Ground Socket
Ground sockets shall be constructed out of a 4" outside diameter steel tube with a galvanized finish and have an interior diameter of 3.76". Product is 52" long providing for depth in a sand volleyball court and proper drainage. A durable plastic cap is provided to keep sand out. Each socket shall weigh approximately 35#.

SVB5000 Match Point Outdoor Competition Volleyball System
Applies Also to SVB500
System shall consist of the following components: Posts shall be constructed of 3 ½" OD, 8 ga. galvanized steel tube. A net adjusting track shall be welded to the pole to facilitate net adjustment from recreational 6'6" height to competition men's volleyball height (7' 11 5/8"). Height adjustment shall be accomplished by a single locking lever on each post Top net rope shall be tightened using a worm gear style winch with a 2" wide nylon strap. All steel parts shall have a powder coated finish. Posts shall carry a 5-year limited warranty. The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. Bottom rope and net side tapes shall be tightened by means of ratcheting style tensioners. For replacement Ratchet Net Tensioning Kit order VB1200RR. Padding for posts shall conform to all NCAA and National Federation of State Highs School Associations rules and be available in 12 school colors. Material is 1½" thick high density foam with a heavy vinyl cover. For replacement padding order VB51P. Antennas shall conform to all applicable rules. For replacement antennas order VB13. Entire system shall weigh 260#.

SVB5050 Recreational Outdoor Volleyball System
Applies Also to SVB500

System shall consist of the following components: Posts shall be constructed of 3½" OD, 8 ga. galvanized steel tube. A net adjusting track shall be welded to the pole to facilitate net adjustment from recreational 6'6" height to competition men's volleyball height (7' 11 5/8"). Height adjustment shall be accomplished by a single locking lever on each post. Top net rope shall be tightened using a worm gear style winch with a 2" wide nylon strap. All steel parts shall have a powder coated finish. Posts shall carry a 5-year limited warranty. The net shall be one meter high, be constructed of black polypropylene 3.5 mm knotless woven webbing, have a Kevlar top rope and polypropylene bottom rope. For replacement net order VB1250K. Bottom rope and net side tapes shall be tensioned by means of ratcheting style tensioners. For replacement Ratchet Net Tensioning Kit order VB1200RR. For Court Boundary Kit order SVB28. For antennae order VB13. For post padding order VB51P. Entire system shall weigh 225#.

Volleyball Sockets

SVB210 Sand Volleyball Ground Socket
Ground sockets shall be constructed out of a 4" outside diameter steel tube with a galvanized finish and have an interior diameter of 3.76". Product is 52" long providing for depth in a sand volleyball court and proper drainage. A durable plastic cap is provided to keep sand out. Each socket shall weigh approximately 35#.

VB23 3" Volleyball Floor Socket and Cover Plate
Floor sockets shall be extruded aluminum with an interior diameter of 3". Cover plates shall be constructed of machined cast bronze with a hinged lid with a minimum opening of 6". For Hinged Brass Floor Plate order VB23-CV. When assembled for installation, the assembly shall be fixed for a socket depth of 10" from the finished floor to the bottom of the socket. Each assembly shall weigh approximately 8#.

VB26 3-½" Volleyball Floor Socket and Cover Plate
Floor sockets shall be extruded aluminum with an interior diameter of 3-½". Cover plates shall be constructed of machined cast bronze with a hinged lid with a minimum opening of 6". For Hinged Brass Floor Plate order VB23-CV. When assembled for installation, the assembly shall be fixed for a socket depth of 10" from the finished floor to the bottom of the socket. Each assembly shall weigh approximately 8#.

VB27 4" Volleyball Floor Socket and Cover Plate
Floor sockets shall be extruded aluminum with an interior diameter of 4". Cover plates shall be constructed of machined cast bronze with a hinged lid with a minimum opening of 6". For Hinged Brass Floor Plate order VB23-CV. When assembled for installation, the assembly shall be fixed for a socket depth of 13" from the finished floor to the bottom of the socket. Each assembly shall weigh approximately 8#.

Team Handball

SCTEAMHB Official Team Handball Goal
Face of goal shall be constructed of 3" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .080". Extrusion shall have a net track extruded in the rear side to allow net attachment using specially design clips included with each system. Goal shall have a 3 meter wide x 2 meter high opening. Rear structure shall be constructed of 1.66 diameter aluminum extrusion with extruded net track and provide a 80cm top depth and a 100cm bottom depth. Goal is constructed to allow easy disassembly and storage using quick release pins. All standard components of goal shall have a white textured powder coated finish with official black markings for Team Handball. Goal shall carry a two-year warranty. Standard features shall include molded net attachment clips, rear stabilizer bars, rubber footpads to protect finished floors, nets, and ballast bags to secure goals in place during play. System shall weigh approximately 175#/pair.

Soccer Equipment

2" X 4" Portable Aluminum Soccer Goals

SC0945PA24E Bantam 2" x 4", 9' x 4 ½' Portable Aluminum Soccer Goals
Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 9' wide x 4 ½' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 2' top depth x 4 ½" bottom depth.

Aluminum face of goal shall have a white textured powder coated finish. Goal shall carry a five-year limited warranty and comply with ASTM F2056.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 180#/pair.

SC1865PA24E Club 2" x 4", 18 ½' x 6 ½' Portable Aluminum Soccer Goals
Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have an 18 ½' wide x 6 ½' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

Aluminum face of goal shall have a white textured powder coated finish. Goal shall carry a 5-year limited warranty and comply with ASTM F2056.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 360#/pair.

SC1865PA24NT No Tip™ Club 2" x 4", 18 ½' x 6 ½' Portable Aluminum Soccer Goals

Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have an 18 ½' wide x 6 ½' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

Aluminum face of goal shall have a white textured powder coated finish. Goal shall carry a 5-year limited warranty and comply with ASTM F2056.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 430#/pair.

SC2170PA24E Club Plus 2" x 4", 21' x 7' Portable Aluminum Soccer Goals

Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 21' wide x 7' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

Aluminum face of goal shall have a white textured powder coated finish. Goal shall carry a 5-year limited warranty and comply with ASTM F2056.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 380#/pair.

SC2170PA24NT No Tip™ Club Plus 2" x 4", 21' x 7' Portable Aluminum Soccer Goals

Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 21' wide x 7' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

Aluminum face of goal shall have a white textured powder coated finish. Goal shall carry a 5-year limited warranty and comply with ASTM F2056.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 450#/pair.

SC2480PA24E Competition 2" x 4", 24' x 8' Portable Aluminum Soccer Goals

Face of goal shall be constructed of 2" x 4" extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 24' wide x 8' high opening.

Attachment of crossbar to uprights shall not allow fasteners to protrude from the inside, outside or front face of the goal. The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 10' bottom depth.

Aluminum face of goal shall have a white textured powder coated finish and meet all NCAA, NF and FIFA rules. Goal shall comply with ASTM F2056 and carry a 5-year limited warranty.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 430#/pair.

4" Square Portable Aluminum Soccer Goals

SC1865PA44E Club 4" x 4", 18 ½' x 6 ½' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 18 ½' wide x 6 ½' high opening.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty and comply with ASTM F2056.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 345#/pair.

SC1865PA44NT No Tip™ Club 4" x 4", 18 ½' x 6 ½' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty and comply with ASTM F2056.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 450#/pair.

SC2170PA44E Club Plus 4" x 4", 21' x 7' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 21' wide x 7' high opening.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty and comply with ASTM F2056.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 388#/pair.

SC2170PA44NT No Tip™ Club Plus 4" x 4", 21' x 7' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty and comply with ASTM F2056.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 490#/pair.

SC2480PA44E Competition 4" x 4", Official 24' x 8' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 24' wide x 8' high opening (or 24' 1 ¼" or 24' 2" wide to compensate for the use of optional safety padding on the vertical posts without affecting the 24' goal width). The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 10' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 435#/pair.

SC2480PA44NT No Tip™ Competition 4" x 4", Official 24' x 8' Aluminum Portable Goals
Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 24' wide x 8' high opening (or 24' 1 ¼" or 24' 2" wide to compensate for the use of optional safety padding on the vertical posts without affecting the 24' goal width). The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 10' bottom depth.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 540#/pair.

4" Round Portable Aluminum Soccer Goals

SC1865PA40E Club 4" Round, 18 ½' x 6 ½' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have an 18 ½' wide x 6 ½' high opening.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall comply with ASTM F2056 and shall carry an 8-year limited warranty.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 345#/pair.

SC1865PA40NT No Tip™ Club 4" Round, 18 ½' x 6 ½' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 450#/pair

SC1865PA40NT No Tip™ Club 4" Round, 18 ½' x 6 ½' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 6 ½' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 450#/pair.

SC2170PA40E Club Plus 4" Round, Official 21' x 7' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 21' wide x 7' high opening.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall comply with ASTM F2056 and shall carry an 8-year limited warranty.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 435#/pair.

SC2170PA40NT No Tip™ Club Plus 4" Round, 21' x 7' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 7' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 490#/pair.

SC2480PA40E Competition 4" Round, Official 24' x 8' Aluminum Portable Goals
Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 24' wide x 8' high opening (or 24' 1 ¼" or 24' 2" wide to compensate for the use of optional safety padding on the vertical posts without affecting the 24' goal width).

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 10' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Standard features shall include auger type rear safety hold downs, molded plastic net attachment clips, rear horizontal stabilizer bars, Velcro net straps and net ground stakes. System shall weigh approximately 435#/pair.

SC2480PA40NT No Tip™ Competition 4" Round, Official 24' x 8' Aluminum Portable Goals

Face of goal shall be constructed of 4" round extruded 6063-T6 aluminum with a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 24' wide x 8' high opening (or 24' 1 ¼" or 24' 2" wide to compensate for the use of optional safety padding on the vertical posts without affecting the 24' goal width).

The backstays and rear stabilizer bar shall be constructed of 1 5/8" diameter x 13 ga. minimum galvanized steel tube and provide a 4' top depth x 10' bottom depth.

4" round face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets, Velcro net straps and net ground stakes. System shall weigh approximately 540#/pair.

4" Square In-Ground Aluminum Soccer Goals

SC44S Ground Sleeve for Bison Permanent/Semi-Permanent Soccer Goals
Sleeves shall be constructed of 6063-T6 extruded aluminum and require bury in an 8" x 30" minimum footing. Actual sleeve depth shall be 24" and be designed to allow removal of 4" square uprights on Bison in-ground soccer goals. Sleeve shall have a removable steel top cap and shall weigh approximately 5#/each.

SC02BS European Style Backstays
Backstays shall be constructed of 1 5/8" diameter, 13 ga. minimum steel tubing formed to provide a 4' goal top depth. Design shall allow retrofitting to all Bison 4" square aluminum in-ground soccer goals. Backstays shall be finished with a white polyester powder coated finish and weigh 20#/pair.

SC0945IGA Bantam 4" x 4", 9' x 4 ½' Aluminum Permanent/Semi Permanent Soccer Goals
Face of goal shall be constructed of 4" square aluminum extrusions with a minimum ¾"corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 9' wide and 4 ½' high opening.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall carry a 5-year limited warranty. Nets and optional European backstays shall be ordered separately. System shall weigh approximately 185#/pair.

SC1265IGA Youth 4" x 4" 12' x 6.5' Aluminum Permanent/Semi Permanent Soccer Goals
Face of goal shall be constructed of 4" square aluminum extrusions with a minimum ¾" corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 12' wide and 6 ½' high opening.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall carry a 5-year limited warranty. Nets and optional European backstays shall be ordered separately. System shall weigh approximately 215#/pair.

SC1865IGA Club 4" x 4", 18 ½' x 6 ½' Aluminum Permanent/Semi Permanent Soccer Goals
Face of goal shall be constructed of 4" square aluminum extrusions with a minimum ¾" corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have an 18 ½' wide and 6 ½' high opening.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall carry a 5-year limited warranty. Nets and optional European backstays shall be ordered separately. System shall weigh approximately 235#/pair.

SC2170IGA Club Plus 4" x 4", 21' x 7' Aluminum Permanent/Semi-Permanent Soccer Goals
Face of goal shall be constructed of 4" square aluminum extrusions with a minimum ¾" corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 21' wide and 7' high opening.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall carry a 5-year limited warranty. Nets and optional European backstays shall be ordered separately. System shall weigh approximately 265#/pair.

SC2480IGA Competition 4" x 4", 24' x 8' Aluminum Permanent/Semi-Permanent Soccer Goals
Face of goal shall be constructed of 4" square aluminum extrusions with a minimum ¾" corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 24' wide and 8' high opening.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall meet all NCAA, NF and FIFA rules and carry a 5-year limited warranty. Nets and optional European backstay shall be ordered separately. System shall weigh approximately 275#/pair.

SC2480IGAFB Combination Soccer/Football Aluminum Permanent/Semi-Permanent Goals

Face of soccer goal shall be constructed of 4" square aluminum extrusions with a minimum ¾" corner radii for safety and a minimum .08" ga. wall thickness. Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system. Goal shall have a 24' wide and 8' high opening.

2 3/8" diameter aluminum football uprights shall extend 10' above the official 10' high horizontal football crossbar and be capable at being installed at either the official 23' 4" high school or 18' 6" college width.

Design shall allow for 24" of upright to be permanently buried in a 30" deep footing or installed in optional SC44S ground sleeves.

All components shall be finished with a textured white polyester powder coated finish. Goals shall carry a 5-year limited warranty. System shall weigh approximately 500#/pair.

All Aluminum Portable Soccer Goal

SC1865PA44XL No Tip™ Competition 4" x 4", Official 18 ½' x 6 ½' Aluminum Portable Goals

Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 18 ½' wide x 6 ½' high opening (or 18' 7 ¼" or 18' 8" wide to compensate for the use of optional safety padding on the vertical posts without effecting the 24' goal width).

The backstays and rear stabilizer bar shall be constructed of 2" square extruded 6063-T6 aluminum and minimum wall thickness of .08" and provide a 4' top depth x 10' bottom depth. Each upright and backstay assembly will be 100% welded, powder coated and shipped as a single unit.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8t-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets and Velcro net straps. System shall weigh approximately 460#/pair.

SC2170PA44XL No Tip™ Competition 4" x 4", Official 21' x7' Aluminum Portable Goals

Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 21' wide x 7' high opening (or 21' 1 ¼" or 21' 2" wide to compensate for the use of optional safety padding on the vertical posts without effecting the 24' goal width).

The backstays and rear stabilizer bar shall be constructed of 2" square extruded 6063-T6 aluminum and minimum wall thickness of .08" and provide a 4' top depth x 10' bottom depth. Each upright and backstay assembly will be 100% welded, powder coated and shipped as a single unit.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets and Velcro net straps. System shall weigh approximately 500#/pair.

SC2480PA44XL No Tip™ Competition 4" x 4", Official 24' x 8' Aluminum Portable Goals

Face of goal shall be constructed of 4" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear face to allow net attachment using specially designed clips included with each system.

Goal shall be designed so that it can be assembled with an official 24' wide x 8' high opening (or 24' 1 ¼" or 24' 2" wide to compensate for the use of optional safety padding on the vertical posts without affecting the 24' goal width).

The backstays and rear stabilizer bar shall be constructed of 2" square extruded 6063-T6 aluminum and minimum wall thickness of .08" and provide a 4' top depth x 10' bottom depth. Each upright and backstay assembly will be 100% welded, powder coated and shipped as a single unit.

4" square face of the goal shall have a white textured polyester powder coated finish. Goal shall meet all NCAA, NF and FIFA rules and comply with ASTM F2056 and shall carry an 8-year limited warranty.

Each goal shall include two 11" diameter by 12" wide molded polyethylene ballast drums that act as rear ballast to comply with ASTM F2056 when filled with sand at time of installation. Rear drums shall rotate on a tubular rear horizontal stabilizer bar and serve as transport wheels.

Additional standard features shall include molded plastic net attachment clips, 4mm white nets and Velcro net straps. System shall weigh approximately 550#/pair.

Nets

SC045N-SC100N Woven Knotless Soccer Nets
Net shall be constructed of 4mm minimum white super high tenacity polypropylene, multifilament rachel knotless netting with a maximum of 4" square openings (octagon on SC100N).

Net shall have 8mm finished rope edges and each pair shall come with a mesh storage bag.

SC100N Net shall have a 24' width, an 8' height, a 10' bottom depth and a 4' top depth. Shipping weight shall be approximately 21#/pair.

SC095N Net shall have a 24' width, an 8' height, an 8' bottom depth and a 0' top depth. Shipping weight shall be approximately 12#/pair.

SC080N Net shall have a 21' width, a 7' height, a 7' bottom depth and a 4' top depth. Shipping weight shall be approximately 12#/pair.

SC075N Net shall have a 21' width, a 7' height, a 7' bottom depth and a 0' top depth. Shipping weight shall be approximately 10#/pair.

SC072N Net shall have an 18.5' width, a 6.5' height, a 6.5' bottom depth and a 4' top depth. Shipping weight shall be approximately 11#/pair.

SC071N Net shall have an 18.5' width, a 6.5' height, a 6.5' bottom depth and a 0' top depth. Shipping weight shall be approximately 9#/pair.

SC060N Net shall have a 12' width, a 6.5' height, a 6.5' bottom depth and a 4' top depth. Shipping weight shall be approximately 9#/pair.

SC055N Net shall have a 12' width, a 6.5' height, a 6.5' bottom depth and a 0' top depth. Shipping weight shall be approximately 7#/pair.

SC050N Net shall have a 9' width, a 4.5' height, a 4.5' bottom depth and a 2' top depth. Shipping weight shall be approximately 6#/pair.

SC045N Net shall have a 9' width, a 4.5' height, a 4.5' bottom depth and a 0' top depth. Shipping weight shall be approximately 5#/pair.

Futsal Goals

SCFUTSAL Official Team Futsal Goal
Face of goal shall be constructed of 3" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear side to allow net attachment using specially designed clips.

Goal shall have a 3 meter wide x 2 meter high opening.

Rear structure shall be constructed of 1.66 diameter aluminum tubing with net track extruded in to provide an 80 cm top depth and a 100 cm bottom depth. Goal is constructed to allow easy disassembly and storage using quick release pins.

All standard components of goal shall have a white textured powder coated finish. Goal shall carry a 2-year limited warranty. Standard features shall include molded net attachment clips, rubber footpads to protect finished floors, nets, and ballast bags to secure goals in place during play.

System shall weigh approximately 175#/pair.

Football Equipment

5 9/16" Gooseneck Goalposts

FB55CG 5 9/16" Gooseneck College Goalposts
Applies also to FB55CG-SY and FB55CG-WT
Goalposts shall meet all NCAA rules. Goalposts shall be of the single bent post design and provide a minimum of 72" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official college 18'6" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1075#/pair.

FB55HS 5 9/16" Gooseneck High School Goalposts
Applies also to FB55HS-SY and FB55HS-WT

Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 72" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official high school 23'4" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1200#/pair.

FB55HSCG 5 9/16" Combination High School/College Football Goal Posts
Applies also to FB55HSCG-SY and FB55HSCG-WT

Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 72" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness. Crossbars shall extend from official 18'6" college length to official 23'4" high school width by means of a telescoping aluminum inner tube. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable "T" adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1350#/pair.

FB58CG 5-9/16" Gooseneck College Goalposts
Applies also to FB58CG-SY and FB58CG-WT
Goalposts shall meet all NCAA rules. Goalposts shall be of the single bent post design and provide a minimum of 96" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official college 18'6" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation. All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1250#/pair.

FB58HS 5-9/16" Gooseneck High School Goalposts
Applies also to FB58HS-SY and FB58HS-WT

Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 96" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official high school 23'4" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation. All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1250#/pair.

FB58HSCG 5 9/16" Combination High School/College Football Goal Posts
Applies also to FB58HSCG-SY and FB58HSCG-WT

Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 96" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 5" schedule 40 (5 9/16" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness. Crossbars shall extend from official 18'6" college length to official 23'4" high school width by means of a telescoping aluminum inner tube. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable "T" adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1400#/pair.

4 ½" Gooseneck Goalposts

FB45CG 4 ½" Gooseneck College Goalposts
Applies also to FB45CG-SY and FB45CG-WT
Goalposts shall meet all NCAA rules. Goalposts shall be of the single bent post design and provide a minimum of 60" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 4" schedule 40 (4 ½" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48” bury into the ground.

Horizontal crossbars shall be no less than 4-½" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official college 18' 6" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 925#/pair.

FB45HS 4 ½" Gooseneck High School Goalposts
Applies also to FB45HS-SY and FB45HS-WT

Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 60" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 4" schedule 40 (4 ½" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground.

Horizontal crossbars shall be no less than 4-1/2" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official high school 23'4" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights.

The crossbar shall be attached to the bent post by means of an adjustable “T” adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation.

All steel and aluminum members shall have a polyester powder coated finish (white or safety yellow). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1050#/pair.

Gooseneck Goalpost Ground Sleeves

FB45S (FB55S) Deluxe Adjustable Height Goalpost Ground Sleeves
Sleeves shall be specifically designed to allow removable and adjustable installation of Bison gooseneck style football goalposts.

Sleeves shall consist of an 8" square steel structure with a powder coated finish, a minimum of 50" long with a formed pan, that is welded and hot dip galvanized, attached at the top of the structure to allow for bury below the playing surface.

Sleeve design shall allow for rotational goalpost crossbar height adjustment of up to 4" at installation by means of a 2 ½" diameter threaded adjustable screw located in the bottom of the sleeve to allow exact 10’ official crossbar height.

Post shall be adjusted plumb by means of four ¾" adjusting screws. An anti-rotation device shall hold the goalpost square to the field. An aluminum finish cap shall fill the sleeve pan both when the goal is installed and when it is removed. Specify whether sleeve is used for 4 ½" OD (FB45S) or 5 9/16" OD (FB55S) goalposts. Shipping weight shall be 120# (FB45S) and 125# (FB55S) each.

H-Style Goalposts

FB35-GV H-Style Galvanized Goalposts
Goalpost uprights and crossbar shall be constructed of 3 ½" diameter zinc flow coated tubing with a minimum 8 ga. wall thickness. When assembled, goal shall meet official 23'4" high school rules but can be field cut to official 18'6" college width. Uprights shall rise 10' above the official 10' high crossbar. Crossbar shall attach to the uprights by means of U-bolt and saddle clamp brackets.

Top of upright tubes shall be capped to eliminate rain. Hardware shall be zinc plated grade 5 minimum. Shipping weight approximately 815#/pair.

Goalpost Padding

FBCPP-XX Goalpost Padding
Padding shall meet all NCAA and National High School Federation rules. Foam shall be a minimum of 5" thick and be covered with sewn vinyl covering in 12 school colors. Order FBCPPW for Goalpost Padding Wrap. Height shall be 72" minimum and be designed to attach by means of Velcro fasteners to all goalposts up to 5 9/16" diameter or 4" square. Shipping weight shall be 18# each.

Field Hockey Goals

FH200 Official Field Hockey Goals
Face of goal shall be constructed of 2" square extruded 6063-T6 aluminum with ¼" radii for safety, and a minimum wall thickness of 1/8". Extrusion shall have a net track extruded in the rear face to allow for net attachment using specially designed clips. The backstays shall be constructed from 1-½" square aluminum tubing with a minimum of 16ga. wall thickness and shall be welded to the front upright to complete each side assembly. The inside of the goal shall be lined with 18" high kickboards constructed of ¼" thick black UHMW polyethylene sheet. All Aluminum parts of goal shall be finished with a white powder coat to prevent corrosion. Goals include net clips and nets, and meet all applicable rules. Order FH200WK for optional wheel kit. Order FH200N for replacement nets. Goal shall carry a 2-year limited warranty and weigh approximately 300#/pair.

Lacrosse Goals

LC200 Official Lacrosse Goals
Goal shall be constructed of a 1-½" Schedule 40 steel frame work that is 6' high by 6' wide. Bottom of goal shall be flat steel construction to allow for installation outdoors as well as indoors and provides a 7' deep goal opening. Goal shall have an orange powder coated finish. Set includes nets, and ground anchors for outdoor use. For replacement nets order LC050N. Goal shall carry a 1-year limited warranty and shall weigh approximately 145#/pair.

LC300 Official Lacrosse Goals
Goal shall be constructed of a 1.90" O.D. 6005-T5 Aluminum frame that is 6' high by 6' wide. Bottom of goal shall be flat Aluminum construction to allow for installation outdoors as well as indoors and provides a 7' deep goal opening. Aluminum extrusions shall have Qwik Track net attachment and a push button knock down design for easy set up and tear down. Goal shall have an orange powder coated finish. Set includes nets, ground anchors for outdoor use, and a zippered transport bag. For replacement nets order LC050N. Goal shall carry a 3-year limited warranty and shall weigh approximately 75#/pair.

Rugby Goals

FBRUGBY Official Rugby Goals
Goalpost uprights and crossbar shall be constructed of 3 ½" diameter zinc flow coated tubing with a minimum 8 ga. wall thickness. When assembled, goal shall meet official 18'4" width. Uprights shall rise 27' above the playing surface and bury 3' into the ground. Crossbar shall attach to the uprights by means of U-bolt and saddle clamp brackets. Top of upright tubes shall be capped to eliminate rain. Hardware shall be zinc plated grade 5 minimum. Shipping weight approximately 1000#/pair.

Miscellaneous Products

Indoor Bleachers

BLI0702A Easy Store™ 7 ½', 2-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with aluminum end caps and be mounted on two steel support frames. For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on four non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on four non-marking 4" diameter swivel casters. Bleachers shall provide two rows of 7 ½' seating with a total approximate capacity of 10 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 150# each.

BLI0703A Easy Store™ 7 ½', 3-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with molded end caps and be mounted on two steel support frames.
For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on four non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on four non-marking 4" diameter swivel casters. Bleachers shall provide three rows of 7 ½' seating with a total approximate capacity of 15 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 180# each.

BLI0704A Easy Store™ 7 ½', 4-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with molded end caps and be mounted on two steel support frames. For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on four non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on four non-marking 4" diameter swivel casters. Bleachers shall provide four rows of 7 ½' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 240# each.

BLI1502A Easy Store™ 15', 2-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with molded end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on six non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on six non-marking 4" diameter swivel casters. Bleachers shall provide two rows of 15' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 225# each.

BLI1503A Easy Store™ 15', 3-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with molded end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on six non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on six non-marking 4" diameter swivel casters. Bleachers shall provide three rows of 15' seating with a total approximate capacity of 30 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 325# each.

BLI1504A Easy Store™ 15', 4-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with molded end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on six non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on six non-marking 4" diameter swivel casters. Bleachers shall provide four rows of 15' seating with a total approximate capacity of 40 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 425# each.

BLI2102A Easy Store™ 21', 2-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with aluminum end caps and be mounted on two steel support frames.

When in use, bleachers shall sit on six non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on six non-marking 4" diameter swivel casters. Bleachers shall provide two rows of 21' seating with a total approximate capacity of 28 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 350# each.

BLI2103A Easy Store™ 21', 3-Tier Indoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick, clear anodized aluminum extrusions with aluminum end caps and be mounted on two steel support frames.

When in use, bleachers shall sit on six non-marking rubber feet. When tipped up to transport and store, bleachers shall rest on six non-marking 4" diameter swivel casters. Bleachers shall provide three rows of 21' seating with a total approximate capacity of 42 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 475# each.

Outdoor Bleachers

BLO0703A Weatherbeater™ Outdoor 7 ½', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on two steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 7 ½' seating with a total approximate capacity of 15 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 195# each.

BLO0703AXL Weatherbeater™ Premium Outdoor 7 ½', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on two steel support frames. Premium Bleachers include extra foot plank and heal kick panel. For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 7 ½' seating with a total approximate capacity of 15 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 245# each.

BLO0704A Weatherbeater™ Outdoor 7 ½', 4-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on two steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 7 ½' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 265# each.

BLO0704AXL Weatherbeater™ Premium Outdoor 7 ½', 4-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on two steel support frames. Premium Bleachers include extra foot plank and heal kick panel. For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 7 ½' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 335# each.

BLO1502A Weatherbeater™ Outdoor 15', 2-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide two rows of 15' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 225# each.

BLO1502AXL Weatherbeater™ Premium Outdoor 15', 2-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾ " thick clear anodized aluminum extrusions with aluminum end caps and be mounted on three steel support frames. Premium Bleachers include extra foot plank and heal kick panel. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide two rows of 15' seating with a total approximate capacity of 20 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 300# each.

BLO1503A Weatherbeater™ Outdoor 15', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 15' seating with a total approximate capacity of 30 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 345# each.

BLO1503AXL Weatherbeater™ Premium Outdoor 15', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on three steel support frames. Premium Bleachers include extra foot plank and heal kick panel. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 15' seating with a total approximate capacity of 30 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 470# each.

BLO1504A Weatherbeater™ Outdoor 15', 4-Tier Outdoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on three steel support frames. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 15' seating with a total approximate capacity of 40 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 465# each.

BLO1504AXL Weatherbeater™ Premium Outdoor 15', 4-Tier Outdoor Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on three steel support frames. Premium Bleachers include extra foot plank and heal kick panel. For Powder Coated Aluminum Seat Planks order BL15SEAT1 for 15' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 15' seating with a total approximate capacity of 40 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 650# each.

BLO2103A Weatherbeater™ Outdoor 21', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on four steel support frames.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 21' seating with a total approximate capacity of 42 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 470# each.

BLO2103AXL Weatherbeater™ Premium Outdoor 21', 3-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on four steel support frames. Premium Bleachers include extra foot plank and heal kick panel.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide three rows of 21' seating with a total approximate capacity of 42 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 645# each.

BLO2104A Weatherbeater™ Outdoor 21', 4-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with molded end caps and be mounted on four steel support frames.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 21' seating with a total approximate capacity of 56 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 635# each.

BLO2104AXL Weatherbeater™ Outdoor 21', 4-Tier Portable Bleachers
Bleacher framework shall be constructed of welded steel angles and bolt-on horizontal support members. All steel parts shall be hot dip galvanized after welding to eliminate rust. Seat planks and foot planks shall be 10" wide x 1 ¾" thick clear anodized aluminum extrusions with aluminum end caps and be mounted on four steel support frames. Premium Bleachers include extra foot plank and heal kick panel.

When in use, bleachers shall sit on 2" x 4" rot proof recycled plastic runners. Bleachers shall provide four rows of 21' seating with a total approximate capacity of 56 persons. Bleacher structure shall have a 5-year limited warranty and seat and foot planks shall have a 2-year limited warranty. Approximate weight shall be 635# each.

Portable Player Benches

BNP0701A 7 ½' Portable Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of the legs at 4 places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 7 ½' in length to accommodate up to 5 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The player shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank shall be attached to two tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 40#.

BNP0701BA 7 ½' Portable Player Bench With Back Rest
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall have a zinc flow coated finish to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of legs at 4 places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 7 ½' in length to accommodate up to 5 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The aluminum planks shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank and setback shall be attached to two tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and a 2-year limited warranty on aluminum planks and shall weigh 70#.

BNP1500XL “Big B”Portable Oversized Football Team Benches
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Leg assemblies shall have a zinc flow coated finish to prevent rust and are also available in a black or white powder coated finish. 2" thick rubber molded pads shall attach to the bottom of legs at 6. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 15' in length. Seat, seat back, and shelf shall be extruded aluminum with clear anodized finish or a powder coated finish in Royal, Scarlet, Navy, Forest Green, Black, or White finish. Double wide seat planks provide a 20" wide seating area. All plank ends shall be enclosed with end caps. All aluminum planks shall have a minimum cross section thickness of .08" and an over all thickness of 1-¾". Plank, seatback, and shelf shall be attached to three tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a lifetime limited warranty and shall weigh 260#.

BNP1501A 15' Portable Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of the legs at 6 places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 15' in length to accommodate up to 10 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The player shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank shall be attached to three tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 65#.

BNP1501BA 15' Portable Player Benches With Back Rests
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall have a zinc flow coated finish to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of legs at 6 places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 15' in length to accommodate up to 10 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The aluminum planks shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank and setback shall be attached to three tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and a 2-year limited warranty on aluminum planks and shall weigh 115#.

BNP2101A 21' Portable Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of the legs at eight places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 21' in length to accommodate up to 14 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The player shall have a minimum cross section thickness of .08". Plank shall be attached to four tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 85#.

BNP2101BA 21' Portable Player Benches With Back Rests
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall have a zinc flow coated finish to prevent rust. 3" diameter rubber molded feet shall attach to the bottom of legs at eight places to prevent scratching of floors. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 21' in length to accommodate up to 14 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The aluminum planks shall have a minimum cross section thickness of .08". Plank and setback shall be attached to four tubular leg assemblies. All assembly hardware shall be zinc plated. Benches shall carry a 5-year limited warranty on steel legs and a 2-year limited warranty on aluminum planks and shall weigh 160#.

Fixed Player Benches

BNF0701A 7 ½' Fixed Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 7 ½' in length to accommodate up to 5 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with a 1 ¾" overall thickness and have molded end caps. The planks shall have a minimum cross section thickness of .08". Plank shall be attached to two tubular leg assemblies. All assembly hardware shall be zinc plated. Bench shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 40#.

BNF0701BA 7 ½' Fixed Player Bench With Back Rest
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 7 ½' in length to accommodate up to 5 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1 ¾" and have molded end caps. The plank shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank and seat back shall be attached to two tubular leg assemblies. All assembly hardware shall be zinc plated. Bend shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 65#.

BNF1501A 15' Fixed Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 15' in length to accommodate up to 10 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with a 1 ¾" overall thickness and have molded end caps. The planks shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7 ½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank shall be attached to three tubular leg assemblies. All assembly hardware shall be zinc plated. Bench shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 65#.

BNF1501BA 15' Fixed Player Bench With Back Rest
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 15' in length to accommodate up to 10 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1¾" and have molded end caps. The plank shall have a minimum cross section thickness of .08". For Powder Coated Aluminum Seat Planks order BL07SEAT1 for 7½' planks. Choose any combination of colors; Royal, Scarlet, Navy, Forest Green, Black and White. Plank and seat back shall be attached to three tubular leg assemblies. All assembly hardware shall be zinc plated. Bend shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 110#.

BNF2101A 21' Fixed Player Bench
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 21' in length to accommodate up to 14 players. Seat shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with a 1 ¾" overall thickness and have molded end caps. The planks shall have a minimum cross section thickness of .08". Plank shall be attached to four tubular leg assemblies. All assembly hardware shall be zinc plated. Bench shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 90#.

BNF2101BA 21' Fixed Player Bench With Back Rest
Bench legs shall be constructed of 2" x 2" square tubing with a 12 ga. wall thickness. Tubing shall be zinc flow coated to prevent rust. Leg length shall allow 22" bury into a 30" deep concrete footing. All exposed tube ends shall be enclosed by means of molded plastic end caps. Bench shall be 21' in length to accommodate up to 14 players. Seat and seat back shall be extruded aluminum with clear anodized finish designed to provide a 10" wide plank with an overall thickness of 1¾" and have molded end caps. The plank shall have a minimum cross section thickness of .08". Plank and seat back shall be attached to four tubular leg assemblies. All assembly hardware shall be zinc plated. Bend shall carry a 5-year limited warranty on steel legs and 2-year limited warranty on aluminum planks and shall weigh 150#.

Wall Padding

Solid Color, Lettered and Printed Graphic Wall Padding

Wall padding shall be constructed of 7/16" OSB oriented stran board with 2" thick 80# poly urethane open cell foam conforming to 16CFR1632 combustibility requirements bonded together with non flammable adhesive. Padding shall be covered with 14 oz. flame resistant vinyl coated fabric. Vinyl fabric shall be attached to the OSB with staples that shall not be visible from the front of the pad.

All solid color padding shall include standard 1" top and bottom mounting flanges. Optional Z channel mounting shall be available at an additional cost.

All graphic and lettered padding shall include Z channel mounting as a standard feature. Graphic padding shall include a liquid laminate applied over the printed graphics to increase durability.

Standard padding sizes are 2' (w) x 6' (h), 2' (w) x 7' (h), 2' (w) x 8' (h), 4' (w) x 6' (h), 4' (w) x 7' (h) and 4' (2) x 8' (h), but can be produced in custom sizes and shapes. Solid and lettered padding shall be available in Gray, Royal, Navy, Columbia Blue, Scarlet, Orange, Gold, Kelly Green, Forest Green, Black, Maroon, Purple, Burnt Orange, Cardinal Red, Brown and Vegas Gold. Printed graphic and lettering color options available on request.

2' x 6' Pads – WP62/WP62F/WP62G/WP62L shall weigh 26#
4' x 6' Pads – WP64/WP64F/WP64G/WP64L shall weigh 52#
2' x 7' Pads – WP72/WP72F/WP72G/WP72L shall weigh 31#
4' x 7' pads – WP74/WP74F/WP74G/WP74L shall weigh 62#
2' x 8' Pads – WP82/WP82F/WP82G/WP82L shall weigh 36#
4' x 8' Pads – WP84/WP84F/WP84G/WP84L shall weigh 72#
16' x 6' Wall (2' Wide Panels) – WP6216/WP6216F/WP6216G/WP6216L shall weigh 208#
16' x 6' Wall (4' Wide Panels) – WP6416/WP6416F/WP6416G/WP6416L shall weigh 208#
16' x 7' Wall (2' Wide Panels) – WP7216/WP7216F/WP7216G/WP7216L shall weigh 248#
16' x 7' Wall (4' Wide Panels) – WP7416/WP7416F/WP7416G/WP7416L shall weigh 248#
16' x 8' Wall (2' Wide Panels) – WP8216/WP8216F/WP8216G/WP8216L shall weigh 288#
16' x 8' Wall (4' Wide Panels) – WP8416/WP8416F/WP8416G/WP8416L shall weigh 288#

Field Hockey Goals

FH200 Official Field Hockey Goals
Face of goal shall be constructed of 2" square extruded 6063-T6 aluminum with ¼" radii for safety, and a minimum wall thickness of 1/8". Extrusion shall have a net track extruded in the rear face to allow for net attachment using specially designed clips.
The backstays shall be constructed from 1-½" square aluminum tubing with a minimum of 16ga. wall thickness and shall be welded to the front upright to complete each side assembly. The inside of the goal shall be lined with 18" high kickboards constructed of ¼" thick black UHMW polyethylene sheet.
All Aluminum parts of goal shall be finished with a white powder coat to prevent corrosion. Goals include net clips and nets, and meet all applicable rules. Order FH200WK for optional wheel kit. Order FH200N for replacement nets. Goal shall carry a 2-year limited warranty and weigh approximately 300#/pair.

Futsal Goals

SCFUTSAL Official Team Futsal Goal
Face of goal shall be constructed of 3" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .08". Extrusions shall have a net track extruded in the rear side to allow net attachment using specially designed clips. Goal shall have a 3 meter wide x 2 meter high opening.

Rear structure shall be constructed of 1.66 diameter aluminum tubing with net track extruded in to provide an 80 cm top depth and a 100 cm bottom depth. Goal is constructed to allow easy disassembly and storage using quick release pins.

All standard components of goal shall have a white textured powder coated finish. Goal shall carry a 2-year limited warranty. Standard features shall include molded net attachment clips, rubber footpads to protect finished floors, nets, and ballast bags to secure goals in place during play. System shall weigh approximately 175#/pair.

Lacrosse Goals

LC200 Official Lacrosse Goals
Goal shall be constructed of a 1-½" Schedule 40 steel frame work that is 6' high by 6' wide. Bottom of goal shall be flat steel construction to allow for installation outdoors as well as indoors and provides a 7' deep goal opening. Goal shall have an orange powder coated finish. Set includes nets, and ground anchors for outdoor use. For replacement nets order LC050N. Goal shall carry a 1-year limited warranty and shall weigh approximately 145#/pair.

LC300 Official Lacrosse Goals
Goal shall be constructed of a 1.90" O.D. 6005-T5 aluminum frame that is 6' high by 6' wide. Bottom of goal shall be flat aluminum construction to allow for installation outdoors as well as indoors and provides a 7' deep goal opening. Aluminum extrusions shall have Qwik Track net attachment and a push button knock down design for easy set up and tear down. Goal shall have an orange powder coated finish. Set includes nets, ground anchors for outdoor use, and a zippered transport bag. For replacement nets order LC050N. Goal shall carry a 3-year limited warranty and shall weigh approximately 75#/pair.

Rugby Goals

FBRUGBY Official Rugby Goals
Goalpost uprights and crossbar shall be constructed of 3 ½" diameter zinc flow coated tubing with a minimum 8 ga. wall thickness. When assembled, goal shall meet official 18'4" width. Uprights shall rise 27' above the playing surface and bury 3' into the ground. Crossbar shall attach to the uprights by means of U-bolt and saddle clamp brackets. Top of upright tubes shall be capped to eliminate rain. Hardware shall be zinc plated grade 5 minimum. Shipping weight approximately 1000#/pair.

Team Handball

SCTEAMHB Official Team Handball Goal
Face of goal shall be constructed of 3" square extruded 6063-T6 aluminum with minimum ¾" corner radii for safety and a minimum wall thickness of .080". Extrusion shall have a net track extruded in the rear side to allow net attachment using specially design clips included with each system. Goal shall have a 3 meter wide x 2 meter high opening. Rear structure shall be constructed of 1.66 diameter aluminum extrusion with extruded net track and provide a 80cm top depth and a 100cm bottom depth. Goal is constructed to allow easy disassembly and storage using quick release pins. All standard components of goal shall have a white textured powder coated finish with official black markings for Team Handball. Goal shall carry a 2-year warranty. Standard features shall include molded net attachment clips, rear stabilizer bars, rubber footpads to protect finished floors, nets, and ballast bags to secure goals in place during play. System shall weigh approximately 175#/pair.