SECTION 11 68 23

EXTERIOR AND INTERIOR COURT ATHLETIC EQUIPMENT

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\*\* NOTE TO SPECIFIER \*\* Douglas Industries, Inc. ; Tennis Equipment.  
This section is based on the products of Douglas Industries, Inc. , which is located at:  
3441 S. 11th Ave.  
Eldridge, IA 52748  
Toll Free Tel: 800-553-8907  
Email: [request info ()](https://arcat.com/rfi?action=email&company=Douglas%252BIndustries%252C%252BInc.%252B&message=RE%253A%2520Spec%2520Question%2520(11682dii)%253A%2520&coid=46087&spec=11682dii&rep=&fax=)  
Web: <http://www.douglas-sports.com>   
 [ [Click Here](https://arcat.com/company/douglas-industries-inc-46087) ] for additional information.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Court equipment, including the following:
       1. Backboards.
       2. Tennis posts, nets, and equipment.
       3. Backdrop dividers and curtains.
       4. Divider nets.
       5. Protection padding.
       6. Installation accessories.
       7. Ground sleeves.
       8. Replacement parts.
       9. Volleyball posts, nets, and equipment.
       10. Lighting systems.
       11. Basketball equipment and systems.
       12. Basketball net systems.
       13. Tennis court windscreens.
       14. Custom digital printing.
       15. Bleacher enclosures.
       16. Privacy screens.
       17. Pickleball posts, nets, and equipment.
       18. Unicourt equipment.
       19. Custom indoor padding, curtains, and dividers.

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 32 31 13.26 - Tennis Court Fences and Gates.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. National Fire Protection Agency (NFPA):
       1. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.
    2. Selective court equipment in this Section complies with the following:
       1. American Sports Builders Association (ASBA).
       2. United States Tennis Association (USTA).
       3. National Federation of State High School Associations (NFHS).
       4. National Collegiate Athletic Association (NCAA).
       5. International Amateur Athletic Association (IAFF).
       6. United States Blind Basketball Association (USBBA).
       7. National Basketball Association (NBA).
       8. Consumer Product Safety Commission (CSPC).
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
    2. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.
  2. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
  3. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Protect from damage due to weather, excessive temperature, and construction operations.
  4. PROJECT CONDITIONS
     1. Maintain environmental temperature, humidity, and ventilation conditions within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  5. WARRANTY
     1. Manufacturer's standard Limited warranty unless indicated otherwise.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Douglas Industries, Inc. , which is located at:  
         3441 S. 11th Ave.  
         Eldridge, IA 52748  
         Toll Free Tel: 800-553-8907  
         Email: [request info ()](https://arcat.com/rfi?action=email&company=Douglas%252BIndustries%252C%252BInc.%252B&message=RE%253A%2520Spec%2520Question%2520(11682dii)%253A%2520&coid=46087&spec=11682dii&rep=&fax=);Web: <http://www.douglas-sports.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00.
  1. COURT EQUIPMENT

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Backboards and Rebounders:

\*\* NOTE TO SPECIFIER \*\* Delete backboard, rebounder and catch net options not required. Select outer diameter of existing installation post. Select vertical or sloped design option. Backboards can be adapted to be mounted as free-standing units or mounted on block walls. Custom color and custom engraving available.

* + - 1. Rally Master Backboard: Item Number 34852. 10 x 12 ft. Warranty: 20 Years.
         1. Weight: 500 lbs. (226.8 kg).
      2. Rally Master Backboard: Item Number 34854. 10 x 16 ft. Warranty: 20 Years.
         1. Weight: 650 lbs. (294.8 kg).
      3. Rally Master Backboard: Item Number 34856.10 x 20 ft. Warranty: 20 Years.
         1. Weight: 800 lbs. (362.9 kg).
         2. Panel Design: 4 x 10 ft. (1.219 x 3.048 m) 3/4 inch (19 mm) thick solid, extruded, UV resistant plastic panels with integral green color and etched net line, white, Includes 2 x 2 inch (51 x 51 mm) post top caps and strut end caps.
         3. Mounting System: Horizontal panel struts, support posts, galvanized cross braces, and four 12 ga. steel mounting brackets, galvanized, with aluminum bottom panel support, powder coated, polyethylene vibration dampeners, fence pole bands, casting connectors, tiebacks, and adjustable foot assembly. Stainless steel mounting hardware included.
         4. Installation Method:

Vertical.

Sloped, with aluminum columns.

* + - * 1. Existing SS40 Fence Post Dimension:

2-1/2 inch (64 mm) OD, minimum.

3 inch (76 mm) OD.

4 inch (102 mm) OD.

* + - 1. Rally Master Catch Nets: Black, UV stabilized, mounted to top of backboard with steel brackets, powder coated. Steel tube support frame, powder coated, with corrosion resistant connectors.
         1. 34852N: 5 x 12 ft. (1.524 x 3.658 m). Weight: 16 lbs. (7.26 kg).
         2. 34854N: 5 x 16 ft. (1.524 x 4.877 m). Weight: 20 lbs. (9.07 kg).
         3. 34856N: 5 x 20 ft. (1.524 x 6.096 m). Weight: 24 lbs. (10.89 kg).
      2. Bakko Backboard: Economy Flat. Warranty: Backboard Structure - 10 Year Pro-Rated, Paint - 1 Year.
         1. 34835A: 8 x 12 ft. (2.438 x 3.658 m).
         2. 34835B: 8 x 16 ft. (2.438 x 4.877 m).
         3. 34835C: 8 x 20 ft. (2.438 x 6.096 m).
         4. Panel Design: 4 x 8 ft. (1.219 x 2.438 m), 1-3/4 inch (44 mm) thick, with sound dampening matrix core with fiberglass and gel coated shell with urethane industrial coating, green.
         5. Mounting System: 2 x 4 inch (51 x 102 mm) wood horizontal panel supports, pressure treated.
      3. Bakko Backboard: Slimline Flat. Warranty: Backboard Structure - 10 Year Pro-Rated, Paint - 1 Year.
         1. 34836A: 8 x 12 ft. (2.438 x 3.658 m).
         2. 34836B: 8 x 16 ft. (2.438 x 4.877 m).
         3. 34836C: 8 x 20 ft. (2.438 x 6.096 m).
         4. Panel Design: 4 x 8 ft. (1.219 x 2.438 m), (44 mm) thick, with sound dampening matrix core with interior compartmentalized metal frame and fiberglass and gel coated shell with UV and impact resistant urethane coating, green.
         5. Mounting System: Pre-drilled, steel horizontal panel supports.
      4. Bakko Backboard: Professional Flat. Warranty: Backboard Structure - 10 Year Pro-Rated, Paint - 1 Year.
         1. 34837A: 10 x 12 ft. (3.05 x 3.66 m).
         2. 34837B: 10 x 16 ft. (3.05 x 4.88 m).
         3. 34837C: 10 x 20 ft. (3.05 x 6.10 m).
         4. Panel Design: 4 x 10 ft. (1.219 x 3.048 m), 2-1/2 inch (63.5 mm) thick, with sound dampening matrix core with reinforced metal interior frame and fiberglass and gel coated shell with UV and impact resistant urethane coating, green.
         5. Mounting System: Steel channel horizontal supports and wheel attachments.
         6. Individual Panel Weight: 150 lbs. (68.04 kg).
      5. Bakko Backboard: Single Curved. Warranty: Backboard Structure - 10 Year Pro-Rated, Paint - 1 Year.
         1. Model No. 34838A: 10 x 12 ft. (3.048 x 3.658 m).
         2. Model No. 34838B: 10 x 16 ft. (3.048 x 4.877 m).
         3. Model No. 34838C: 10 x 20 ft. (3.048 x 6.096 m).
         4. Panel Design: 4 x 10 ft. (1.219 x 3.048 m), 2-1/2 inch (63.5 mm) thick, with sound dampening matrix core with concave curve at top and bottom, and fiberglass and gel coated shell with UV and impact resistant urethane coating, green.
         5. Mounting System: Steel channel horizontal supports and wheel attachments.

\*\* NOTE TO SPECIFIER \*\* Delete backdrop/divider curtain, divider netting, protective padding, accessory, and UV printing options not required. All curtains are customized.

* + 1. Indoor Tennis:
       1. Backdrop/Divider Curtains:
          1. Vinyl Backdrop/Divider Curtains:

Douglas 14 oz. Vinyl: Item Number 29514.

Douglas 18 oz. Vinyl: Item Number 29523.

Curtain Design: Vinyl coated polyester, meeting California Fire Marshall requirements for fire resistance for indoor use. UV treated, mildew resistant, with heat sealed seams, double sewn hems, and brass grommets at top of curtain.

Standard Height: 9 to 12 ft. (2.743 - 3.658 m) Maximum Length: 60 ft. (18.288 m).

Custom Height: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Curtain slide attachment is optional. Delete if not required.

Curtain Side Attachment: Grommet.

Curtain Side Attachment: Velcro.

Curtain Fabrication:

Solid vinyl.

Vinyl with fire-resistant netting top.

Vinyl with fire-resistant mesh top.

Custom vents and cut-outs.

Custom UV Digital Printing: \_\_\_\_\_\_\_\_.

Curtain Color, 14 oz. Vinyl: Yellow.

Curtain Color, 14 oz. Vinyl: Gold.

Curtain Color, 14 oz. Vinyl: Orange.

Curtain Color, 14 oz. Vinyl: Red.

Curtain Color, 14 oz. Vinyl: Maroon.

Curtain Color, 14 oz. Vinyl: Kelly Green.

Curtain Color, 14 oz. Vinyl: Forest Green.

Curtain Color, 14 oz. Vinyl: Tan.

Curtain Color, 14 oz. Vinyl: Light Blue.

Curtain Color, 14 oz. Vinyl: Champion Blue.

Curtain Color, 14 oz. Vinyl: Navy.

Curtain Color, 14 oz. Vinyl: Purple.

Curtain Color, 14 oz. Vinyl: Black.

Curtain Color, 18 oz. Vinyl: Yellow.

Curtain Color, 18 oz. Vinyl: Orange.

Curtain Color, 18 oz. Vinyl: Red.

Curtain Color, 18 oz. Vinyl: Maroon.

Curtain Color, 18 oz. Vinyl: Kelly Green.

Curtain Color, 18 oz. Vinyl: Forest Green.

Curtain Color, 18 oz. Vinyl: Tan.

Curtain Color, 18 oz. Vinyl: Brown.

Curtain Color, 18 oz. Vinyl: Gray.

Curtain Color, 18 oz. Vinyl: Light Blue.

Curtain Color, 18 oz. Vinyl: Royal Blue.

Curtain Color, 18 oz. Vinyl: Open Tournament Blue.

Curtain Color, 18 oz. Vinyl: Navy.

Curtain Color, 18 oz. Vinyl: Violet.

Curtain Color, 18 oz. Vinyl: Purple.

Curtain Color, 18 oz. Vinyl: White.

Curtain Color, 18 oz. Vinyl: Black.

Curtain Color, 18 oz. Vinyl: Charcoal.

Curtain Track: Item Number 39500. Besteel Model 170 Walk-Draw Track System. 14 ga. plated steel, galvanized. Fully enclosed, with two polyethylene wheels secured with nickel plated rivets and carriers with free-moving plated swivel for curtain snap hook.

Mounting: Suspended.

Mounting: Direct Mount.

Accessories:

Vinyl Court Signs: 18 oz. vinyl, hemmed perimeter with grommets.

Vinyl Court Numbers: Item Number 22204. 18 oz. vinyl, hemmed perimeter with grommets. 12 x 12 inch (305 x 305 mm) sign, with 10h x 5w (254 x 127 mm) inch numbers 1 to 20.

Exit Sign: Item Number 22202. 18 x 36 inch (457 x 914 mm) sign, vinyl, red with 9 inch (229 mm) high white lettering.

* + - * 1. Douglas 10 oz. Fire Resistant Vinyl for High-Line Back-Up Curtains.
        2. Indoor Vinyl Digital Printing: Item Number 39995VZ. Warranty: Same as vinyl material.

Full color UV digital printing, integrated into material.

Architect to provide vector graphics.

* + - 1. Divider Netting:
         1. Douglas Divider Netting: Item Number 23955Z.

Douglas No.420 Knotless Pylon Netting, 1-1/2 inch (38 mm) Sq., Black, Tape Bound with Gromets: Item Number 22009.

Douglas No.420 Knotless Pylon Netting, 1-1/2 inch (38 mm) Sq., White, Tape Bound with Gromets: Item Number 22005.

Netting: Weather treated for moisture and sunlight exposure. 125 lbs. (56.7 kg) breaking strength.

Reinforced, double-sewn vinyl-coated polyester border.

Black, sewn rope border.

Optional Grommets: Brass, placed at 18 inch (457 mm) intervals at top of net.

* + - * 1. Douglas Premium 3.0 mm Knotless Polypropylene HTPP:

High tenacity pylon netting, 250 lbs. (113.40 kg) break strength.

Color: Black.

Color: Dark Green.

\*\* NOTE TO SPECIFIER \*\* Brass grommets are optional. Delete if not required.

Grommets: Brass placed every 18 inches.

* + - * 1. Douglas Premium 3.0 mm Knotless Polypropylene, 1-3/4 inch Sq., Black, Tape Bound with Grommets: Item Number 22260.
        2. Douglas Premium 3.0 mm Knotless Polypropylene, 1-3/4 In Sq., Dark Green, Tape Bound with Grommets: Item Number 22261.

Netting: Weather treated for moisture and sunlight exposure. 250 lbs. (113.40 kg) breaking strength.

Reinforced, double-sewn reinforced vinyl-coated polyester border.

\*\* NOTE TO SPECIFIER \*\* Brass grommets are optional. Delete if not required.

Grommets: Brass, placed at 18 inch (457 mm) intervals at top of net.

Additional grommets at custom intervals.

\*\* NOTE TO SPECIFIER \*\* Brass grommets are optional. Delete if not required.

Grommets: Brass, placed at 18 inch (457 mm) intervals at top of net.

Additional grommets at custom intervals.

* + - * 1. Prefabricated Divider Net, 10 x 60 ft. Panels: Item Number 32014.

Netting: HDPE No. 18, knotted (44 mm) sq. mesh with reinforced sewn rope perimeter border. 125 lbs. (56.7 kg) break strength.

* + - * 1. Premium Knotless Polypropylene Net.

High tenacity polypropylene netting, weather and UV resistant with sewn rope border, black.

2.0 mm, 1-3/4 inch. Sq. Mesh, 10 x 60 ft. Panels:

Netting: 125 lbs, (56.7 kg) break strength, with sewn rope border,

Item Number 32012: Black.

Item Number 32010: Green.

3.0 mm, 1-3/4 inch Sq. Mesh, 10 x 60 ft. Panels:

Netting: 250 lbs, (113.4 kg) break strength with sewn rope border.

Item Number 32025: Black.

* + - * 1. Prefabricated Vinyl Border Divider Netting, 10 x 65 ft.: Item Number 32020.

Netting: Number 420 knotless polypropylene, 2.0 mm, 1-3/4 inch (44 mm) sq. mesh, weather and UV treated. 125 lbs. (56.70 kg) break strength with reinforced, double-stitched vinyl border.

Grommets: Brass, placed at 18 inch (457 mm) intervals.

* + - 1. Indoor Court Protective Padding:
         1. Douglas Protective Padding Digital Printing:

UV digital printing, integrated into material.

Architect to provide vector graphics.

* + - * 1. Douglas Custom Indoor Wall Padding: 14 Oz. Item Number 36998.
        2. Douglas Custom Indoor Wall Padding: 18 Oz. Item Number 36998.

Panel Design: NFPA 701, NFHS, NCAA, IAAF, ASBA, and meeting California Fire Marshall requirements for fire resistance. 2 x 6 ft, x 2 inch thick (0.609 x 1.828 x 0.050 m). Reinforced, double-sewn high-impact polyethylene foam wrapped with anti-bacterial, anti-fungal, rot and mildew resistant solid vinyl and backed with 7/16 inch (11.11 mm) OSB.

Panel Color: Forest Green.

Panel Color: Black.

Panel Color: Royal Blue.

Panel Color: Navy Blue.

Panel Color: Red.

Attachment Method:

Z-Clip: Item Number 26320: Pre-installed aluminum z-clip channel on wall pads with channel track for wall. Bolt hardware not included.

1 inch Lip: Item Number 26325: Panel with wood backer extended 1 inch (25 mm) above and below foam for direct bolting to wall through wood lip. Bold hardware not included.

* + - 1. Installation Accessories:
         1. BLR Braided Lacing Rope 3/16 inch Poly-Pro, 1,000 ft. Roll: Item Number 31601M.

Black, with UV and weather resistant coating. 550 lbs. (249.48 kg) break strength.

* + - * 1. C-Snap: 3 inch, Steel Black Plated: Item Number 32670.
        2. C-Snap: Black Plastic: Item Number 32675.
        3. Cable 1/4 inch GAC Galvanized Steel: Item Number 34728.

4200 lb. (1905.09 kg) break strength.

Cut to length per foot.

* + - * 1. Cable Clamp for 1/4 inch Cable: Item Number 34725.
        2. Cable 1/8 inch Galvanized Steel: Item Number 15102.

Cut to length per foot.

* + - * 1. Cable Clamp for 1/8 inch Cable Item Number 34726.
        2. Eye Bolt, Steel, Galvanized. 1/2 x 6 inches: Item Number 34730.
        3. Pully with Split Bracket, 1-7/8 inch: Item Number 34721.
        4. Spring Link Carabiner: 5 mm: Item Number 32679.
        5. Spring Link Carabiner: 6 mm: Item Number 32680.
        6. Spring Link Carabiner: 8 mm: Item Number 36000.
        7. TB-12 Jaw and Eye Turnbuckle, 12 inch: Item Number 34724.

Steel body and fittings, galvanized. 1/2 inch (13 mm) thread dia., 12 inch (305 mm) take-up.

* + - * 1. TB-6 Jaw and Eye Turnbuckle, 6 inch: Item Number 36986.

Steel body and fittings, galvanized. 3/8 inch (10 mm) thread dia, 6 inch (152 mm) take-up.

* + - * 1. 3 inch S-Hook, Steel: Item Number 31663.
        2. Beam Clamp: Item Number 34729.
        3. Tie-Raps: 7 inch Tie-Raps, 100 Count: Item Number 31656.
        4. Tie-Raps: 8 inch Tie-Raps, 100 Count: Item Number 31657.
        5. Tie-Raps: 14-1/2 inch Tie-Raps, 100 Count: Item Number 31651.
        6. Tie-Raps: 14 inch Tie-Raps, 100 Count: Item Number 31655.

\*\* NOTE TO SPECIFIER \*\* Delete windscreen, digital printing, screen, and enclosure options not required.

* + 1. Tennis Court Windscreens:
       1. Douglas VCP Windscreen: Warranty: 3 Year Limited.
          1. Fabric: 9 x 12 weave, 80 percent windbreak, 50 percent vinyl, 50 percent polyester open mesh, 8 oz. per sq. yd. Tensile Strength: 230 x 200.
          2. Hems: Three-ply, double-sewn, up to 1-1/2 inch (38 mm) wide, with No. 2 brass grommets spaced every 12 inches (305 mm) on panel side and every 18 inches along top and bottom.
          3. Center Reinforcement: For screens over 6 ft. (1.829 m), secured with tie wraps or lacing cord attachment. Screens over 6 ft. (1.829 m), high include a center tab with grommets.
          4. Height:

6 ft. (1.829 m).

9 ft. (2.743 m).

Custom Height: \_\_\_\_\_\_\_\_.

* + - * 1. Length: 60 ft. (18.288 m) maximum.

Custom Length: \_\_\_\_\_\_\_\_.

* + - * 1. Air Vents:

AVR Vents: 10 x 8 inch (254 x 203 mm) cut outs, perimeter hemmed with polyester webbing, placed at 10 ft. (3.048 m) intervals.

AV Vents: 5 x 8 inch (127 x 203 mm) die cut, heat sealed, cut at 10 ft. intervals.

* + - * 1. Color: Dark Green.
        2. Color: Black.
        3. Color: Open Tournament Blue.
        4. Color: Royal Blue.
        5. Color: Navy Blue.
        6. Color: Red.

\*\* NOTE TO SPECIFIER \*\* The remaining colors are available upon request..

* + - * 1. Color: White.
        2. Color: Purple.
        3. Color: Orange.
        4. Color: Burgundy.
        5. Color: Gray.
        6. Color: Brown.
      1. Douglas Custom Digital Windscreen Printing: Item Number 39995. Warranty: 3-4 Years.
         1. UV resistant ink, full color, printed directly on material. Architect to provide vector graphics.
      2. Douglas PolyPro Plus Premium: Item Number 21600. Warranty: 4 Year Limited. ASBA / USTA
      3. Douglas Poly Pro Plus Premium OMP - Open Mesh: Item Number 21600.
         1. Fabric: 30-1/2 x 12 inch (775 x 305 mm) leno weave, 85 percent windbreak, 100 percent polypropylene weather and UV resistant, open mesh, 7 oz. per sq. yd. Tensile Strength: 380 x 185.
         2. Hems: Four-ply, double-sewn, up to 1-1/2 inch (38 mm) wide, with solid vinyl inserts and 18 oz. vinyl overlay. No. 2 brass grommets spaced every 12 inches (305 mm) on panel side and every 18 inches (457 mm) along top and bottom.
         3. Center Reinforcement: For screens over 6 ft. (1.829 m), secured with tie wraps or lacing cord attachment. Screens over 6 ft. (1.829 m) high include a center tab, with double stitched 3 inch (76 mm) wide polyester webbing and grommets placed every 18 inches (457 mm).
         4. Height: 6 ft. (1.829 m).
         5. Height: 9 ft. (2.743 m).
         6. Height: Custom \_\_\_\_\_\_\_\_.
         7. Length: 60 ft. (18.288 m) maximum.
         8. Length: Custom \_\_\_\_\_\_\_\_.
         9. AVR Vents: 10 x 8 inch (254 x 228) cut outs, perimeter hemmed with polyester webbing, placed at 10 ft. (3.048 m) intervals.
         10. Color: Dark Green.
         11. Color: Black.
      4. Douglas VCP Max Windscreen. Warranty: 4 Year Limited. ASBA, USTA Compliant.
         1. Fabric: 16 x 17 weave, 85 percent windbreak, 50 percent vinyl, 50 percent polyester open mesh, 10 oz. per sq. yd. UV and weather treated. Tensile Strength: 395 x 401.
         2. Hems: Three-ply, double-sewn, up to 1-1/2 inch (38 mm) wide, with No. 2 brass grommets spaced every 12 inches (304 mm) on panel side and every 18 inches (457 mm) along top and bottom.
         3. Center Reinforcement: For screens over 6 ft. (1.829 m), secured with tie wraps or lacing cord attachment. Screens over 6 ft. (1.829 m) high include a center tab on vinyl coated polyester sewn with 18 oz. black vinyl, with grommets places every 18 inches (457 mm).
         4. Height: 6 ft. (1.828 m)
         5. Height: 9 ft. (2.743 m)
         6. Height: Custom \_\_\_\_\_\_\_\_.
         7. Length: 60 ft. (18.288 m) maximum.

Length: Custom \_\_\_\_\_\_\_\_.

* + - * 1. Air Vents:

AVR Vents: 10 x 8 inch (254 x 203 mm) cut outs, perimeter hemmed with polyester webbing, placed at 10 ft. (3.048 m) intervals.

AV Vents: 5 x 8 inch (127 x 203 mm) die cut, heat sealed, cut at 10 ft. intervals.

* + - * 1. Color: Open Tournament Blue.
        2. Color: Black.
        3. Color: Dark Green.
      1. Douglas Bleacher Enclosures: Item Number 21620BZ. ASBA, USTA Compliant.
         1. Design: Custom fabricated from vinyl coated polyester with three-ply hem reinforced screen perimeters and brass grommets spaced every 12 to 18 inches (305 to 457 mm).
         2. Architect to provide measurements and photos/sketch of bleachers and facility layout.
      2. Douglas Poly Pro Plus Premium -Closed Mesh. Warranty: 4 Year Limited.
         1. Design: 30 x 16 leno weave, 100 percent polypropylene, 95 percent blockage, 8 oz. per sq. yd. UV and weather treated. Tensile Strength: 450 x 215.
         2. Hems: Three-ply, double-sewn, up to 1-1/2 inch (38 mm) wide, seamed with solid vinyl inserts and No. 2 brass grommets spaced every 12 inches (305 mm) on panel side and every 18 inches (457 mm) along top and bottom.
         3. Center Reinforcement: For screens over 6 ft. (1.829 m), secured with tie wraps or lacing cord attachment. Screens over 6 ft. (1.829 m) high include a center tab double stitched with 3 inch ( mm) wide polyester and, with grommets places every 18 inches (457 mm).
         4. Height: 6 ft. (1.829 m)
         5. Height: 9 ft. (2.743 m)
         6. Height: Custom Height: \_\_\_\_\_\_\_\_.
         7. Length: 60 ft. (18.288 m) maximum.
         8. Length: Custom \_\_\_\_\_\_\_\_.
         9. AVR Vents: 10 x 8 inch (254 x 203 mm) cut outs, perimeter hemmed with polyester webbing, placed at 10 ft. (3.048 m) intervals.
      3. Privacy Screen, 150 ft. Rolls:
         1. Material: 85 to 90 percent knit raschel and 100 percent high density polyethylene, UV stabilized, mildew and mold resistant.
         2. Color: Dark Green.
         3. Color: Black.
         4. Color: Blue.
         5. Color: Brown.
         6. Color: Beige.
         7. Role Height: 44 inch (1118 mm).
         8. Role Height: 68 inch (1727mm).
         9. Role Height: 92 inch (2337 mm).
      4. Privacy Screen - Finished Panels:
         1. Material: 85 to 90 percent knit raschel and 100 percent high density polyethylene fiber, UV stabilized, mildew and mold resistant with hems and grommets.
         2. Panel Dimensions and Color:

68 inch x 50 ft. (1.727 x 15.240 m), Black. Item Number 26928B.

92 inch x 50 ft. (2.337 x 15.240 m), Black. Item Number 26932B.

68 inch x 50 ft. (1.727 x 15.240 m), Dark Green. Item Number 26928G.

92 inch x 50 ft. (2.337 x 15.240 m), Dark Green. Item Number 26932G.

* + - 1. Tie Wrap 8 inch, Pack of 100: Item Number 31657.
      2. Tie Wrap 14 inch, Pack of 100: Item Number 31655.
      3. Tie Wrap 17 inch, Pack of 100: Item Number 31652.
         1. 120 lbs. (54.43 kg) break strength.
      4. Tie Wrap 7 inch, Pack of 100: Item Number 31656.
      5. Tie Wrap 14 inch, Pack of 100: Item Number 31651.
         1. 50 lbs. (22.68 kg) break strength.

\*\* NOTE TO SPECIFIER \*\* Delete tennis nets and accessory options not required.

* + 1. Tennis Nets and Accessories:
       1. Net Accessories:
          1. 1/2 inch Fiberglass Dowel: Tennis Nets: Item Number 15110.
          2. 2 inch Replacement Loop Snap: Item Number 10601.
          3. Center Pipe Anchor: Item Number 63428.

Steel, 1-3/4 inch (44 mm) OD, galvanized.

* + - * 1. Classic ACS Adjustable Center Strap: Item Number 20603.

Design: 2 inch (51 mm) polyester web, white with web slides and double ended snap, nickel plated. Non-slip.

* + - * 1. Deluxe ACS Adjustable Center Strap: Item Number 20600.

Design: 2 inch (51 mm) polyester web, white with web slides and swivel loop bolt snap, nickel plated. Non-slip.

* + - * 1. Double Ended Replacement Snap: Item Number 10604.
        2. Lacing Cord 3mm Black Braided Polyethylene, 500 ft. Spool: Item Number 10337.
        3. RVC-47 Replacement Tennis Net Cable 47 ft.: Item Number 20647.

5/32 inch (4 mm) steel, galvanized, vinyl coated to 1/4 inch (6 mm) looped each end.

* + - * 1. Singles Sticks: Item Number 34753.

Pair, 3/4 inch (19 mm) aluminum with protective end caps and injection-molded V grooves for net headband at 42 inch (1067 mm) net height.

* + - * 1. TNLC Tennis Net Lacing Cord, Package: Item Number 10338.

Two 4 mm braided polyester cord, 4 ft. (1.219 m) long, white, and two 3 mm braided polyethylene, 15 ft. (4.570 m) long.

* + - * 1. Velcro ACS Adjustable Center Strap: Item Number 20601.

2 inch (51 mm) polyester web, white with slides and loop, nickel plated, with velcro adjustment and swivel loop bolt snap.

* + - 1. Tennis Nets:
         1. Douglas TN-45 Tennis Net, 3.5 mm with Polyester Headband, USA Manufactured: Item Number 20045. Warranty: 5 Year Limited. ASBA, USTA Compliant.

Size: USTA. Official, 3ft. 6 inch x 42 ft. (1.067 x 12.800 m).

Headband: 48 oz. polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength.

Side and Bottom Tape: Double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas PLTN- 28 Platform Tennis Net, 36 inch x 23 Ft: Item Number 20009. Warranty: 4 Year Limited. USTA compliant.

Size: USTA. Official, 36 inch x 23 ft. (0.914 x 7.010 m).

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.0 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 285 lbs. (129.27 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas PTN-28 Paddle Tennis Net, 32 inch x 21 ft. 10 inch: Item Number 20008. Warranty: 4 Year Limited. USTA compliant.

Size: USTA. Official, 32 inch x 21 ft. 10 inch (0.813 x 6.650 m).

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.0 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 285 lbs. (129.27 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-28DM Tennis Net, 3.5 mm Double Mesh: Item Number 30060. Warranty: 5 Year Limited. ABSA, USTA compliant.

Size: USTA. Official, 3 ft. 6 inch x 42 ft. (1.067 x 12.800 m).

Headband: Polyester web, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength. Top five rows are double mesh.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-30 Tennis Net, 3.0mm: Item Number 30029. Warranty: 4 Year Limited. ASBA, USTA compliant.

Size: USTA. Official, 3 ft. 6 inch x 42 ft. (1.067 x 12.800 m).

Headband: 32 oz., single-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.0 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 285 lbs. (129.27 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-30DM Tennis Net, 3.0 mm Double Mesh Tapered: Item Number 30030. Warranty: 4 Year Limited. ABSA, USTA compliant.

Size: USTA. Official, 3 ft. 6 inch x 42 ft., (1.067 x 12.800 m) with net bottom tapered to 36 inches (914 mm) high at center.

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.0 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 285 lbs. (129.27 kg) break strength. Top five rows are double mesh.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-36DMT Tennis Net, 3.5mm Double Mesh Tapered: Item Number 30038TD. Warranty: 5 Year Limited. ABSA, USTA compliant.

Size: USTA. Official, 3 ft. 6 inch x 42 ft., (1.067 x 12.800 m) with net bottom tapered to 36 inches (914 mm) high at center.

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength. Top five rows are double mesh.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-36T Tennis Net, 3.5 mm Tapered: Item Number 30036T. Warranty: 5 Year Limited. ABSA, USTA compliant.

Size: USTA. Official, 3 ft. 6 inch x 42 ft. (1.067 x 12.800 m) with net bottom tapered to 36 inches (914 mm) high at center.

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas TN-45 Tennis Net: Item Number 20045. Warranty: 5 Year Limited.

Size: ABSA, USTA compliant. Official, 3 ft. 6 inch x 42 ft. (1.067 x 12.800 m).

Headband: 48 oz. polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. Douglas STN-30 Singles Tennis Net, 42 inch x 33 ft. L: Item Number 20305. Warranty: 4 Year Limited. ABSA, USTA compliant.

Size: USTA. Official, singles. 3 ft. 42 inch x 33 ft. (60 x 10.060 m).

Headband: 20 oz. sq. yd. vinyl coated polyester, lock-sewn with four rows of No. 32 polyester thread, white, with 5/32 inch (4 mm) vinyl coated steel cable, galvanized. 2300 lbs. (1043.26 kg) break strength.

Netting: 3.5 mm, braided solid core polyethylene, 1-3/4 inch (44 mm) square mesh. 325 lbs. (147.42 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, double lock-stitched with polyester thread, black. Mildew and rot resistant.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

\*\* NOTE TO SPECIFIER \*\* Delete ground sleeve, replacement parts, tennis posts, systems and accessory options not required.

* + 1. Tennis Posts and Accessories:
       1. Ground Sleeves:
          1. GS-24RD/ST for 3.5 inch OD Posts, Galvanized Steel Ground Sleeves 24 inch Long: Pair: Item Number 63174.
          2. GS-24SQ/AL Aluminum Ground Sleeves 24 inch Long for 3 inch SQ Posts: Pair: Item Number 63172,
          3. GS-24SQ/ST Galvanized Steel Ground Sleeves 24 inch Long for 3 inch SQ Posts: Pair: Item Number 63425.
          4. Center Pipe Anchor: Item Number 63428.

1-3/4 inch (44 mm) steel, galvanized.

* + - * 1. T-Plugs for Round Ground Sleeves:

Steel, powder coated, black.

Size: 2-7/8 inch (73 mm) and 3 inch (76 mm) OD. Item Number 63418.

Size: 3-1/2 inch (89 mm) OD. Item Number 63419.

* + - * 1. T-Plugs for Square Ground Sleeves:

Steel, powder coated, black, with 1/8 inch (3.175 mm) thick top plate with rounded edges and corners.

Size: 3 inch (76 mm) sq. Item Number 63420.

Size: 3-1/2 inch (89 mm) sq. Item Number 68155.

Size: 4 inch (102 mm) sq. Item Number 67520.

* + - * 1. GS-24RD Galvanized Steel Ground Sleeves 24 inch Long for 3 inch OD Posts: Pair: Item Number 63424.

Includes PVC end plugs.

* + - * 1. GS-24RD PVC Ground Sleeves 24 inch Long for 2-7/8 inch OD Posts: Pair: Item Number 63164.

Includes PVC end plugs.

* + - * 1. GS-24RD/AL Aluminum Ground Sleeves 24 inch Long for 2-7/8 inch OD Posts: Pair: Item Number 63171.

Includes PVC end plugs.

* + - * 1. T-Plugs for Round Ground Sleeves:

Steel, powder coated, black.

Size: 2-7/8 inch (73 mm) and 3 inch (76 mm) OD. Item Number 63418.

Size: 3-1/2 inch (89 mm) OD. Item Number 63419.

* + - * 1. T-Plugs for Square Ground Sleeves:

Steel, powder coated, black, with 1/8 inch thick top plate with rounded edges and corners.

Size: 3 inch (76 mm) sq. Item Number 63420.

Size: 3-1/2 inch (89 mm) sq. Item Number 68155.

Size: 4 inch (102 mm) sq. Item Number 67520.

* + - 1. Tennis Posts:
         1. Douglas Premier XS Tennis Posts, 2-7/8 inch OD: Warranty: 5 Years. ASBA, USTA compliant. Indoor and outdoor use.

Post: Steel, 8 ga., flo-coat galvanized, polyester powder coated. 60 inch (2524 mm) length sits 42 inch (1067 mm) above court surface.

Color: Black with Plated Gear: Item Number 63034.

Color: Black with Stainless Steel Gear: Item Number 63034SS.

Color: Black with Brass Gear: Item Number 63034BR.

Color: Green with Plated Gear: Item Number 63032.

Color: Green with Stainless Steel Gear: Item Number 63032SS.

Color: Green with Brass Gear: Item Number 63032BR.

Hardware: Internally wound cable tensioning system with zinc gear housing and caps with 30:1 gear function and flush mounted gear plate cover with removable handle.

Gear: Plated steel.

Gear: Stainless steel.

Gear: Brass.

Ground Sleeves: Sold Separately: Round, 24 inch (610 mm) long for all 2-7/8 (73) round OD posts. PVC end plugs included.

GS-24RD PVC: Item Number 63164.

GS-24RD/AL Aluminum: Item Number 63171.

* + - * 1. Douglas DTP-37 Tennis Posts, 3 inch OD: Warranty: 5 Years. ASBA, USTA compliant.

Post: Steel, 7 ga., with welded steel lacing rods, polyester powder coated.

Color: Black: Item Number 63008.

Color: Green: Item Number 63007.

Post Dimensions: 60 inch (2524 mm) length, sits 42 inch (1067 mm) above court surface.

Hardware: Internally wound, self-locking, plated steel gears with case hardened small gear and cast aluminum gear housing. 30:1 gear function, and side mounted removable handle, chrome plated.

Ground Sleeve: Sold Separately: GS-24SQ/ST Galvanized Steel Ground Sleeves 24 inch Long for 3 inch SQ Posts: Pair: Item Number 63425.

* + - * 1. Douglas PPS-SQ Premier Portable Tennis Systems: Warranty: 5 Years. ASBA, USTA compliant. Indoor and outdoor use.

System Size:

Singles Tennis: 42 inch high x 33 ft. long (1.067 x 10.060 m) Item Number 63133.

Standard Tennis: 42 inch high x 42 ft. long (1.067 x 12.800 m). Item Number 63100.

Post: 3 inch (76 mm) sq., 11 ga. steel with welded lacing rods, polyester powder coated, black.

Base Frame: 3 inch (76 mm) sq., 11 ga. and 3-1/2 inch (89 mm) sq., 3/16 inch (5 mm) steel, polyester powder coated, black.

TN-40 Douglas Tennis Net:

Singles: 36 inch x 33 ft. (0.914 x 10.058 m)

Doubles: 36 inch x 42 ft. (0.914 x 12.802 m)

* + - * 1. Hardware: Internally wound, self-locking, plated steel gears and case hardened small gear with die-cast zinc gear housing and caps with 30:1 gear function and flush mount gear plate cover with removable handle, chrome plated.
        2. Transporters: Non-scuff swivel casters with liftable transporter brackets.
        3. Regulation Tennis Net and Velcro Center Strap included.
        4. Douglas Premier RD Tennis Posts, 3 inch OD: Warranty: 5 Year Limited. ASBA, USTA Compliant. Indoor and outdoor use.

Post: Steel, 11 ga., with welded steel lacing rods, polyester powder coated. Post Dimensions: 60 inch (2524 mm) length, sits 42 inch (1067 mm) above court surface.

Color: Black: Item Number 63051.

Color: Green: Item Number 63050.

* + - * 1. Hardware: Internally wound, self-locking, plated steel gears with case hardened small gear and die-cast zinc gear housing and caps. 30:1 gear function, and flush mounted gear plate and removable handle, chrome plated,
        2. Ground Sleeve: Sold Separately: GS-24RD/ST Galvanized Steel Ground Sleeves 24 inch Long for 3 inch OD Posts: Pair: Item Number 63424.
        3. Douglas Premier SQ Tennis Posts, 3 inch SQ: Warranty: 5 Year Limited. ASBA, USTA Compliant. Indoor or outdoor use.

Post: Steel, 11 ga., with welded steel lacing rods, polyester powder coated. Post Dimensions: 60 inch (2524 mm) length, sits 42 inch (1067 mm) above court surface.

Color: Black: Item Number 63054.

Color: Green: Item Number 63053.

Hardware: Internally wound, self-locking, plated steel gears with case hardened small gear and die-cast zinc gear housing and caps. 30:1 gear function, and flush mounted gear plate and removable handle, chrome plated,

Ground Sleeves: Sold Separately:

GS-24SQ/AL Aluminum Ground Sleeves 24 inch Long for 3 inch SQ Posts: Pair: Item Number 63172,

GS-24SQ/ST Galvanized Steel Ground Sleeves 24 inch Long for 3 inch SQ Posts: Pair: Item Number 63425.

* + - * 1. Douglas Premier SQ Tennis Surface Mount Posts: Item Number 63060. Warranty: 5 Year Limited. Indoor and outdoor use.

Post: 3 inch (76 mm) sq., 42 inch (1067 mm) high steel, 11 ga., with welded steel base plate and lacing rods, polyester powder coated.

Color: Black: Item Number 63054.

Color: Green: Item Number 63053.

Hardware: Internally wound, self-locking, plated steel gears with case hardened small gear and cast die-cast zinc gear housing and caps. 30:1 gear function, and flush mounted gear plate and removable handle, chrome plated.

* + - * 1. Douglas Sidewinder Deluxe Tennis Posts, 2-7/8 inch OD: Warranty: 5 Year Limited. ASBA, USTA compliant. Outdoor use.

Post: 8 ga., with welded steel lacing rods, polyester powder coated. Post Dimensions: 60 inch (2524 mm) length, sits 42 inch (1067 mm) above court surface.

Color: Black: Item Number 63003.

Color: Green: Item Number 63001.

Hardware: Aluminum reel with external gears and side mounted, removable handle, polyester powder coated.

Ground Sleeves: Sold Separately: Round, 24 inch long (610 mm) for all 2-7/8 (73 mm) round OD posts. PVC end plugs included.

GS-24RD PVC: Item Number 63164.

GS-24RD/AL Aluminum: Item Number 63171.

\*\* NOTE TO SPECIFIER \*\* Delete pickleball nets, posts, ground sleeves and accessories not required.

* + 1. Pickleball Nets and Equipment:
       1. Pickleball Nets:
          1. JTN-30 Pickleball Net: Item Number 20105. Warranty: 4 Year Limited. USAPA, ASBA and USTA compliant.

Netting: 36 inch x 21 ft., 9 inch (0.914 x 6.629 m), 3 mm, 1-3/4 inch (44 mm) sq. braided polyethylene. 285 lbs. (129.27 kg) break strength.

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 white polyester thread. Includes vinyl-coated, 5/32 inch (4 mm) steel cable, galvanized, with 2300 lbs. (1043.26 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, mildew and rot resistant, double lock stitched with black polyester thread.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - * 1. PN-30 Pickleball Net: Item Number 20103. Warranty: 4 Year Limited. ASBA, USTA compliant.

Netting: 31 inch x 21 ft., 9 inch (0.787 x 6.629 m), 3 mm, 1-3/4 inch (44 mm) sq. braided polyethylene. 285 lbs. (129.27 kg) break strength.

Headband: 20 oz. sq. yd., two-ply vinyl coated polyester, lock-sewn with four rows of No. 32 white polyester thread. Includes vinyl-coated, 5/32 inch (4 mm) steel cable, galvanized, with 2300 lbs. (1043.26 kg) break strength.

Side and Bottom Tape: Polyester based vinyl, mildew and rot resistant, double lock stitched with black polyester thread.

Includes 1/2 inch (13 mm) fiberglass side dowels and lacing cord.

* + - 1. Pickleball Posts:
         1. Douglas Premier XS-36 Pickleball Posts: Pair. Warranty: 5 Year Limited. ASBA, USTA compliant. Indoor and outdoor use.

Post: Round, steel, 2-7/8 inch (73 mm) OD, 8 ga., with welded steel lacing rods and base collar at 36 inches (914 mm), flo-coat galvanized, polyester powder coated. 54 inch (1372 mm) length sits 36 inch (914 mm) above court surface.

Color: Black with Plated Gear: Item Number 63075.

Color: Black with Stainless Steel Gear: Item Number 63075SS.

Color: Black with Brass Gear: Item Number 63075BR.

Color: Green with Plated Gear: Item Number 63074.

Color: Green with Stainless Steel Gear: Item Number 63074SS.

Color: Green with Brass Gear: Item Number 63074BR.

Hardware: Internally wound cable tensioning system with die-cast zinc gear housing and caps with 30:1 gear function and flush mounted gear plate cover with removable handle, chrome plated.

Ground Sleeves: Sold Separately: Round, 24 inch (610 mm) long for all 2-7/8 (73 mm) round OD posts. PVC end plugs included.

GS-24RD PVC: Item Number 63164.

GS-24RD/AL Aluminum: Item Number 63171.

* + - * 1. Douglas Premier RD-36 Pickleball Posts: Pair. Warranty: 5 Year Limited. ASBA, USTA compliant. Indoor and outdoor use.

Post: Round, steel, 2-7/8 inch (73 mm) OD, 8 ga., with welded steel lacing rods and base collar at 36 inches (914 mm), flo-coat galvanized, polyester powder coated. 54 inch (1372 mm) length, sits 36 inch (914 mm) above court surface.

Color: Black with Plated Gear: Item Number 63075.

Color: Black with Stainless Steel Gear: Item Number 63075SS.

Color: Black with Brass Gear: Item Number 63075BR.

Color: Green with Plated Gear: Item Number 63074.

Color: Green with Stainless Steel Gear: Item Number 63074SS.

Color: Green with Brass Gear: Item Number 63074BR.

Hardware: Internally wound cable tensioning system with die-cast zinc gear housing and caps with 30:1 gear function and flush mounted gear plate cover with removable handle, chrome plated.

Ground Sleeves: Sold Separately: Round, 24 inch (610 mm) long for all 2-7/8 (73 mm) round OD posts. PVC end plugs included.

GS-24RD PVC: Item Number 63164.

GS-24RD/AL Aluminum: Item Number 63171.

* + - * 1. Douglas SW-36 Pickleball Posts: Pair. Warranty: 5 Year Limited. USAPA, ASBA, USTA compliant. Indoor and outdoor use.

Post: Round, steel, 2-7/8 inch (73 mm) OD, 8 ga., with welded steel lacing rods and base collar at 36 inches (914 mm), flo-coat galvanized, polyester powder coated. length, sits 36 inch (914 mm) above court surface.

Color: Black: Item Number 63079.

Color: Green: Item Number 63078.

Douglas Deluxe Reel: Aluminum, externally wound, with die-cast zinc gear caps with 30:1 gear function and side mounted gear plate cover with removable handle, powder coated to match post.

Ground Sleeves: Sold Separately: Round, 24 inch (610 mm) long for all 2-7/8 (73 mm) round OD posts. PVC end plugs included.

GS-24RD PVC: Item Number 63164.

GS-24RD/AL Aluminum: Item Number 63171.

* + - * 1. Douglas Premier SQ Surface Mount Pickleball Posts: Pair. Item Number 63080. Warranty: 5 Year Limited. ASBA, USTA compliant. Indoor and outdoor use.

Post: 3 inch (76 mm) with welded steel lacing rods and base plate, polyester powder coated, black. 36 inch (914 mm) length with 7 x 7 inch (177.8 x 177.8 mm) base plate.

Hardware: Internally wound with self-locking plated steel main gear with case hardened small gear and cast aluminum gear housing and caps with 30:1 gear function and flush mounted gear plate cover with removable handle, chrome plated.

* + - * 1. Douglas PPS-22SQ Premier Portable Pickleball System: Item Number 63122. Warranty: 5 Years. ASBA, USTA compliant. Indoor and outdoor use.

Post: 3 inch (76 mm) sq., 11 ga. steel with top and bottom eyebolts, polyester powder coated, black.

Base Frame: 3 inch (76 mm) sq., 11 ga. 3/16 inch (5 mm) steel, with 24 inch (610 mm) flat stabilizer leg braces at each end, polyester powder coated, black.

PN-30 Douglas Pickleball Net:

3.0 mm polyethylene netting, black UV and moisture treated, with vinyl coated polyester headband, white. Attached with top headband cable and top and bottom eyebolts.

Hardware: Internally wound, self-locking, plated steel gears and case hardened small gear with die-cast zinc gear housing and caps with 30:1 gear function and flush mount gear plate cover with removable handle, chrome plated.

Removable Transporters: Non-scuff swivel casters with liftable transporter brackets.

Velcro Center Strap and lift assist handles included. Weight: 290 lbs. (131.54 kg).

\*\* NOTE TO SPECIFIER \*\* Delete systems, net lengths, sizes, ground sleeves, light systems, rebounders, rebounder replacement packages and accessories not required.

* + 1. Unicourt Equipment:
       1. 4 inch Sq. Aluminum Adjustable Net System: Item Number 68127S.
          1. Posts: Two 4 inch (102 mm) sq, 10 ft. 6 inch (3.200 m) high extruded structural aluminum with built-in net adjustment channel, polyester powder coated, black.
          2. Net Tensioning Reel Case and Gears: Steel, powder coated, black, with removable contoured grip handle.
          3. Adjustable Height Range: Ground level- 8 ft. (0-2.438 m), adjusted by net pulleys and clips.
          4. Set-up hardware included. Weight: 150 lbs. (68.04 kg).
          5. Accessories: Sold Separately:

Net: Unicourt Adjustable Net: Sold Separately: 34 inch (864 mm) high, custom length to 54 ft. (16.459 m), 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Ground Sleeves: GS-24SQ Aluminum Ground Sleeves, 24 inch Long for 4 In SQ Posts: Item Number 65280.

* + - 1. Douglas Steel Adjustable Net System: Item Number 68125S. Warranty: 5 Year Limited. Indoor and outdoor use.
         1. Posts: Two 3-1/2 inch (89 mm) square extruded structural aluminum.

Length: 12 ft. (3.658 m).

Wall Thickness: 3/16 inch (5 mm).

Finish: Polyester powder coated. Color: Black.

Buried Post Depth: 3 ft. 6 inch (1.067 m).

* + - * 1. Net Tensioning Reel Case and Gears: Steel, powder coated, black, with removable contoured grip handle.
        2. Adjustable Height Range: Ground level to 8 ft. (0 to 2.438 m), adjusted by net pulleys and clips.
        3. Set-up hardware included. Weight: 150 lbs. (68.04 kg).
        4. Accessories: Sold Separately:

Net: Unicourt Adjustable Net: 34 inch (864 mm) high, custom length up to 34 ft. (10.363 m), 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Ground Sleeves: Sold Individually: SGS-42SQ Aluminum Ground Sleeves, 42 inch Long for 3-1/2 In SQ Posts: Item Number 68150AL.

In-Line LED Light System: Item Number 68513. Warranty: 5 Years.

Aluminum housing, waterproof, with two 100 W LED floodlights with 13,500 lumens per fixture and 5000K light color, inserts into steel adjustable net system post and extends 17 ft. (5.182 m).

* + - 1. Unicourt Net: Custom Length:
         1. 34 inch (864 mm) high, custom length up to 34 ft. (10.363 m), 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Length: Less than 24 ft. (7.300 m): Item Number 28024.

Length: 24 to 33 ft. (7.300 to 10.060 m): Item Number 28033.

Length: 33 to 42 ft. (10.060 to 12.800 m): Item Number 28042.

* + - 1. Douglas Unicourt Net:
         1. Design: 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Size: 34 inch x 24 ft. for 28 ft. (863.8 mm x 7.320 m for 8.530 m) post spacing.

Size: 34 inch x 28 ft. for 32 ft. (863.8 mm x 8.530 m for 9.750 m) post spacing: Item Number 28028.

Size: 34 inch x 32 ft. for 36 ft. (863.8 mm x 9.750 m for 10.970 m) post spacing: Item Number 28032.

Size: 34 inch x 38 ft. for 42 ft. (863.8 mm x 11.582 m for 12.800 m) post spacing: Item Number 28038.

* + - 1. Douglas In-Line Basketball Adjustable Net System, 3-1/2 inch Sq. Steel Pole with Kit: Item Number 68251C. For use with Douglas D-Pro Max Adjustable and F-5 Fixed Basketball Systems. Works with most other brands.
         1. System Components:

Post: One 3-1/2 inch (89 mm) sq, 12 ft. (3.658 m) high steel with 3/16 inch (5 mm) wall thickness, 3 ft. 6 inch (1.067 m) burry, polyester powder coated, black.

Hardware: Collar with reel and hardware, collar with pulley, two collars with eyebolts, pole cap, four d-ring tie downs with 1/4 inch (6 mm) screws and black steel c-snap.

Adjustable Height Range: Ground level to 8 ft. (0 to 2.438 m), adjusted by net pulleys and clips.

Attachment hardware included.

Accessories: Sold Separately:

Net: Unicourt Adjustable Net: 34 inch (864 mm) high, custom length up to 34 ft. (10.363 m), 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Ground Sleeves: Sold Individually: SGS-42SQ Aluminum Ground Sleeves, 42 inch Long for 3-1/2 In SQ Posts: Item Number 68150AL.

* + - 1. Aluminum In-Line Adjustable Basketball Net System, 4 inch Sq. Aluminum Pole with Kit: Item Number 68253. For use with Douglas D-Pro Max Adjustable and F-5 Fixed Basketball Systems.
         1. System Components:

Pole: One 4 inch (102 mm) sq, 10 ft. 6 inch (3.200 m) high extruded structural aluminum, 36 inch (914 mm) burry, polyester powder coated, black.

Net Tensioning Reel Case and Gears: Steel, with removable contoured grip handle.

Hardware: Reel bracket with bolts. Pulley bracket, two eyebolt brackets, pole cap, four d-ring tie downs with 1/4 inch (6 mm) screws and black steel c-snap.

Adjustable Height Range: Ground level to 8 ft. (0 to 2.438 m), adjusted by net pulleys and clips.

Attachment hardware included.

Accessories: Sold Separately:

Net: Unicourt Adjustable Net: 34 inch (864 mm) high, custom length up to 34 ft. (10.363 m), 3 mm, 1-3/4 inch (44 mm) sq. mesh, UV, and weather resistant, with two-ply vinyl coated polyester lock-sewn headband and vinyl coated polyester bottom tape and side pockets. Side dowels and four bungee cords included. Net length should be 4 ft. (1.219 m) shorter than post spacing.

Ground Sleeves: Sold Individually: GS-24SQ Aluminum Ground Sleeves, 24 inch Long for 4 In SQ Posts: Item Number 65280.

* + - 1. Standalone Light System: Item Number 68517. Warranty: 5 Years.
         1. Installed Height: 17 ft. (5.182 m) above ground.
         2. Pole: 3-1/2 inch (89 mm) sq. steel base pole, 12 ft. (3.658 m) high, 3 ft. 6 inch (1.067 m) burry.
         3. Light Pole: 3 inch (76 mm) sq. steel top pole, 10 ft. 6 inch (3.200 m) high.
         4. Light Fixtures: Two 100 W LED floodlights with 13,500 lumens per fixture and 5000K light color with aluminum housing.
         5. Includes light extension arm and height adjustment collar.
         6. Accessories: Sold Separately:

Ground Sleeve: SGS-42SQ Aluminum Ground Sleeves, 42 inch Long for 3-1/2 In SQ Posts: Item Number 68150AL.

* + - 1. In-Line Light System Add-On: Item Number 68513. Warranty: 5 Years.
         1. Aluminum housing, waterproof, with two 100 W LED floodlights with 13,500 lumens per fixture and 5000K light color, inserts into steel adjustable net system post and extends 17 ft. (5.182 m).
      2. Douglas Tennis Court Net Rebounder 10 x 10 Ft: Item Number 68304B.
         1. Frame: 1-3/4 inch (44 mm) OD, 16 ga. steel, polyester powder coated, black, with three 2 inch ID, 24 inch (610 mm) PVC ground sleeves for semi-permanent installation.
         2. Net: 8 ft. 6 inch x 8 ft. 6 inch (2.591 x 2.591 m) knotless No. 420 pylon, 7/8 inch (22 mm) sq. mesh, black, UV and weather resistant, finished with 1 inch (25 mm) wide vinyl tape border secured with bungee cords along top and sides and adjustable net tensioning strap along the bottom.
         3. Webbing Strap: Woven into netting at 3 ft. (0.914 m) height, white.
         4. Ball Retainer: 12 inch (305 mm) high vinyl mesh secured at net bottom.
         5. Bungees and adjustable tension straps included.
         6. Replacement Rebounder Net Package: Item Number 28321.
      3. Net Rebounder 10 x 20 Ft: Item Number 68300B.
         1. Frame: 1-3/4 inch (44 mm) OD, 16 ga. steel, polyester powder coated, black, with three 2 inch ID, 24 inch (610 mm) PVC ground sleeves for semi-permanent installation.
         2. Net: 18 ft. 6 inch x 18 ft. 6 inch (5.639 x 5.639 m) knotless No. 420 pylon, 7/8 inch (22.225 mm) sq. mesh, black, UV and weather resistant, finished with 1 inch (25 mm) wide vinyl tape border secured with bungee cords along top and sides and adjustable net tensioning strap along bottom.
         3. Webbing Strap: Woven into netting at 3 ft. (0.914 m) height, white.
         4. Ball Retainer: 12 inch (305 mm) high vinyl mesh secured at net bottom.
         5. Bungees and adjustable tension straps included.
         6. Replacement Rebounder Net Package: Item Number 28321.

\*\* NOTE TO SPECIFIER \*\* Delete volleyball equipment and ground sleeve options not required.

* + 1. Volleyball Equipment:
       1. Douglas VBS-4SQ Outdoor Power Volleyball System, 4 inch Sq. Aluminum, Black. Pair. Item Number 65350. Warranty: 5 Year Limited. NFHS, NCAA, IAAF, ASBA, compliant. Outdoor use.
          1. 4 inch (102 mm) sq., 10 ft. 6 inch (3.200 m) high structural, extruded aluminum, polyester powder coated, with continuous structured channel for net height adjustment from 7 ft. 4 inch (2.235 m) to 8 ft. (2.438 m) official.
          2. Net Tensioning Reel: steel, attaches to post channel, with removable, contoured grip handle.
          3. VB-1200 Competition Volleyball Net: USBBA. 36 inch x 32 ft. (0.914 x 9.754 m), 3.0 mm, 4 inch (102 mm) sq., black, with 2-1/2 inch (63.5 mm) wide, 20 oz. vinyl, white, braced with fiberglass dowels.

Top Cable: 41 inch (1041.4 mm) long, vinyl coated steel with 3600 lbs. (1632.933 kg) break strength, with double pressed headband cable ends and 38 ft. (11.582 m) steel cable bottom band with 2400 lbs. (1088.622 kg) break strength.

* + - * 1. Ground Sleeves: Semi-permanent installation.

Grass Installation: GS-24SQ Aluminum Ground Sleeves, 24 inch Long for 4 inch SQ Posts: Item Number 65280.

Sand Installation: GS-36SQ Aluminum Ground Sleeves, 36 inch Long for 4 inch SQ Posts with Collars: Item Number 65270.

* + - * 1. Includes all hardware, net, and ground sleeves. Weight: 150 lbs. (68.04 kg).
      1. Douglas VBS-3.5 SQ Outdoor Power Volleyball System, 3-1/2 inch Sq. Steel, Black: Pair. Item Number 65250. Warranty: 5 Year Limited. NFHS, NCAA, IAAF, ASBA compliant. Outdoor use.
         1. Posts: 3-1/2 inch (89 mm) sq., 3/16 inch (5 mm) wall thickness, 12 ft. (3.658 m) high steel, polyester powder coated, for 42 inch (1067 mm) direct burry.
         2. Net Tensioning Reel Case and Gears: steel, with removable, contoured grip handle.
         3. Net Collars: Adjustable for heights between 7 ft. 4 inch (2.235 m) and 8 ft. (2.438 m) official.
         4. VB-1200 Competition Volleyball Net: USBBA. 36 inch x 32 ft. (0.914 x 9.754 m), 3.0 mm, 4 inch (102 mm) sq., black, with 2-1/2 inch (63.5 mm) wide, 20 oz. vinyl, white, braced with fiberglass dowels.

Top Cable: 41 inch (1041.4 mm) long, vinyl coated steel with 3600 lbs. (1632.933 kg) break strength, with double pressed headband cable ends and 38 ft. (11.582 m) steel cable bottom band with 2400 lbs. (1088.622 kg) break strength.

* + - * 1. Ground Sleeves: Semi-permanent installation.

Grass and Sand Installation: GS-42SQ Steel Ground Sleeves, 42 inch Long for 3-1/2 inch SQ Posts, Black: Item Number 65275.

* + - * 1. Includes all hardware, net, and ground sleeves.
      1. Douglas VBS-3 SQ Outdoor Power Volleyball System, 3 inch Sq. Steel, Black, Pair. Item Number 65200. Warranty: 5 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. Posts: 3 inch (76 mm) sq., 11 ga., 10 ft. 6 inch (3.200 m) high steel, polyester powder coated, for 42 inch (1067 mm) direct burry.
         2. Net Tensioning Reel Case and Gears: steel, with removable contoured grip handle.
         3. Net Collars: Adjustable for heights between 7 ft. 4 inch (2.235 m) and 8 ft. (2.438 m) official.
         4. VB-1200RB Competition Volleyball Net: USBBA. 36 inch x 32 ft. (0.914 x 9.754 m), 3.0 mm, 4 inch (102 mm) sq., black, with 2-1/2 inch (63.5 mm) wide, 20 oz. vinyl, white, braced with fiberglass dowels.

Top Cable: 41 inch (1041.4 mm) long, vinyl coated steel with 3600 lbs. (1632.933 kg) break strength, with double pressed headband cable ends and 6 mm rope in bottom net band.

* + - * 1. Ground Sleeves: Semi-permanent installation.

Grass Installation: GS-24SQ Aluminum Ground Sleeves, 24 inch Long for 4 inch SQ Posts: Item Number 65280.

Sand Installation: GS-36SQ Aluminum Ground Sleeves, 36 inch Long for 4 inch SQ Posts with Collars: Item Number 65270.

* + - * 1. Includes all hardware, net, and ground sleeves.

\*\* NOTE TO SPECIFIER \*\* Delete basketball systems, backboard, accessories, and ground sleeve options not required.

* + 1. Basketball Equipment:
       1. Douglas D-Pro 645 Max Basketball System: Item Number 69660. Warranty: Limited Lifetime. NFHS, NCAA, IAAF, ASBA compliant.
          1. Backboard: 42 x 60 inch (1067 x 1524 mm), 1/2 inch (13 mm) thick, clear view tempered glass with aluminum perimeter frame and welded steel back frame. Includes pre-installed, 1 inch (25 mm) thick molded vinyl backboard padding, black.
          2. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat, orange. Hidden net attachment hooks.
          3. Extension Arms: 1-9/16 x 3-1/8 inch (40 x 79 mm) top reinforced extension arm and 2 x 4 inch (51 x 102 mm) lower reinforced extension arm, attaches directly to outer perimeter and base of backboard frame. Extends 4 ft. (1.219 m) from front of pole to backboard.
          4. Pole: Steel, 6 inch (152 mm) sq., 3/16 inch (5 mm) wall thickness, hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
          5. Height Adjustment: Two lift assist, pre-assembled cylinders for height adjustment from 5-1/2 to 10 ft. (1.767 to 3.048 m) with removable stainless steel handle.
          6. Form Fitted Pole and Base Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
          7. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
          8. Nylon net included.
       2. Douglas D-Pro 646 Max Basketball System: Item Number 69672. NFHS, NCAA, IAAF, ASBA compliant.
          1. Backboard: 42 x 72 inch (1.067 x 1.829 m), 1/2 inch (13 mm) thick, clear view tempered glass with aluminum perimeter frame and welded steel back frame. Includes pre-installed, 1 inch (25 mm) thick molded vinyl backboard padding, black.
          2. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat, orange. Hidden net attachment hooks.
          3. Extension Arms: 1-9/16 x 3-1/8 inch (40 x 79 mm) top reinforced extension arm and 2 x 4 inch (51 x 102 mm) lower reinforced extension arm, attached directly to outer perimeter and base of backboard frame. Extends 4 ft. (1.219 m) from front of pole to backboard.
          4. Pole: Steel, 6 inch (152 mm) sq., 3/16 inch (5 mm) wall thickness, hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
          5. Height Adjustment: Two lift assist, pre-assembled, cylinders for height adjustment from 5-1/2 to 10 ft. (1.767 to 3.048 m) with removable stainless steel handle.
          6. Form Fitted Pole and Base Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
          7. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
          8. Nylon net included.
       3. Douglas D-Pro 435 Max Basketball System: Item Number 69635. Warranty: Limited Lifetime. NFHS, NCAA, IAAF, ASBA compliant.
          1. Backboard: 42 x 60 inch (1067 x 1524 mm), 1/2 inch (13 mm) thick, polycarbonate with aluminum perimeter frame and welded steel back frame. Includes pre-installed, 1 inch (25 mm) thick molded vinyl backboard padding.
          2. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat. Hidden net attachment hooks.
          3. Extension Arms: 1 x 2 inch (25 x 51 mm) top reinforced extension arm and 2 x 4 inch (51 x 102 mm) lower reinforced extension arm, attaches directly to outer perimeter and base of backboard frame. Extends 3 ft. (0.914 m) from front of pole to backboard.
          4. Pole: Steel, 4 inch (102 mm) sq., 7 ga., hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
          5. Height Adjustment: Lift assist, pre-assembled cylinders with adjustable height crank and gauge for height adjustment from 6 to 10 ft. (1.83 to 3.05 m). Removable stainless steel handle.
          6. Form Fitted Pole and Base Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
          7. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
          8. Nylon net included.
       4. Gooseneck 5-9/16 inch RPG Basketball System: Item Number 69451. Warranty: Backboard - 10 Year Limited, Goal - 2 Year. NFHS, NCAA, IAAF, ASBA compliant.
          1. Backboard: 42 x 60 inch (1.067 x 1.524 m), 3/8 inch thick (9.5 mm), clear acrylic with aluminum perimeter frame and welded steel back frame. 5 x 5 inch (127 x 127 mm) standard hole pattern.
          2. Goal: Pressure Flex Breakaway Goal: Steel, 5/8 inch (16 mm) thick, 18 inch (457 mm) steel rim, 8-1/2 x 20-1/4 x 26 inch (216 x 514 x 660 mm), with single spring pressure flex breakaway mechanism in steel cover, wing brace, no-tie attachment and universal backplate. CSPC compliant powder coat, orange. 4-1/2 x 5 inch (114 x 127 mm) hole pattern.
          3. Pole: Steel, schedule 40, 5-9/16 inch (141 mm) OD, 13 ft (3.960 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) burry in concrete footing and 6 ft. (1.829 m) extension.
          4. Hardware: Zinc plated.
          5. Nylon net included.
          6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 5-9/16 inch RST Basketball System: Item Number 69450. Warranty: Posts - Limited Lifetime, Backboard - 10 Year Limited, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. RST Rectangular Steel Backboard: 42 x 60 inch (1067 x 1524 mm), steel, with integral reinforced steel channel and 12 ga. Steel shell, powder coated, white, with printed target and border. Orange. 5 x 5 inch (127 x 127 mm) spacing hole pattern.
         2. Dura Goal 1: 18 inch (457 mm) dia. double ring with 5/8 inch (16 mm) thick top ring, 1/2 inch (13 mm) bottom ring and dual 1/2 x 15 inch (13 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Pole: Steel, schedule 40, 5-9/16 inch (141 mm) OD, 13 ft (3.960 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) bury in concrete footing and 6 ft. (1.829 m) extension.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 3-1/2 inch FAL Basketball System, Fan Shaped Backboard: Item Number 69435. Warranty: Posts - 10 Year Limited, Backboard - Limited Lifetime, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. FAL Fan Shaped Aluminum Backboard: 36-1/2 x 54 inch (927 x 1372 mm) cast aluminum, powder coated, white, with printed target and border. 20 x 35 inch (508 x 889 mm) mounting center for attachment to structure, and twelve reinforced mounting points. 5 x 4-1/2 inch (127 x 114 mm) hole pattern.
         2. BG-2 Goal: 18 inch (457 mm) dia., 5/8 inch (16 mm) thick single ring with 5/8 x 15 inch (16 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Pole: Steel, 3-1/2 inch (89 mm) OD, 13 ft (3.96 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) buried in concrete footing.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 3-1/2 inch FST Basketball System, Fan Shaped Backboard: Item Number 69436. Warranty: Post - 10 Year Limited, Backboard - 10 Year Limited, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. FST Fan Shaped Steel Backboard: 38 x 55 inch cast aluminum, 12 ga. Steel shell, powder coated, white, with printed target. orange. 20 x 35 inch (508 x 889 mm) mounting center for attachment to structure, twelve reinforced mounting points, and two safety mount holes. 5 x 4-1/2 inch (127 x 114 mm) hole pattern.
         2. BG-2 Goal: 18 inch (457 mm) dia., 5/8 inch (16 mm) thick single ring with 5/8 x 15 inch (16 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Pole: Steel, 3-1/2 inch (89 mm) OD, 13 ft (3.96 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) buried in concrete footing.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 4-1/2 inch FAL Basketball System, Fan Shaped Backboard: Item Number 69440. Warranty: Post - 25 Year Limited, Backboard - Limited Lifetime, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. FAL Fan Shaped Aluminum Backboard: 36-1/2 x 54 inch (927.1 x 1372 mm) cast aluminum, powder coated, white, with printed target and border. 20 x 35 inch (508 x 889 mm) mounting center for attachment to structure, and twelve reinforced mounting points. 5 x 5 inch (127 x 127 mm) hole pattern.
         2. Dura Goal 1: 18 inch (457 mm) dia. double ring with 5/8 inch (16 mm) thick top ring, 1/2 inch (13 mm) bottom ring and dual 1/2 x 15 inch (13 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Post: Steel, 4-1/2 inch (114.3 mm) OD, 13 ft (3.96 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) bury in concrete footing and 4 ft. (1.219 m) extension.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 4-1/2 inch FST Basketball System, Fan Shaped Steel: Item Number 69441. Warranty: Post - 25 Year Limited, Backboard - 10 Year Limited, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. FST Fan Shaped Steel Backboard: 38 x 55 inch cast aluminum, 12 ga. Steel shell, powder coated, white, with printed target, orange. 20 x 35 inch (508 x 889 mm) mounting center for attachment to structure, twelve reinforced mounting points, and two safety mount holes. 5 x 4-1/2 inch (127 x 114 mm) hole pattern.
         2. Dura Goal 1: 18 inch (457 mm) dia. double ring with 5/8 inch (16 mm) thick top ring, 1/2 inch (13 mm) bottom ring and dual 1/2 x 15 inch (13 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Post: Steel, 4-1/2 inch (114 mm) OD, 13 ft (3.96 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) buried in concrete footing. 4 ft. (1.219 m) extension.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 4-1/2 inch RPGR Basketball System, Acrylic Backboard: Item Number 69443. Warranty: Post - 25 Year Limited, Backboard - 10 Year Limited, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. Rectangular Clear Acrylic RPGR Backboard: 42 x 60 inch (1067 x 1524 mm), 3/8 inch thick (9.5 mm) clear acrylic, with aluminum perimeter frame and welded steel back frame. 5 x 5 inch (127 x 127 mm) hole pattern.
         2. Goal: Pressure Flex Breakaway Goal: Steel, 5/8 inch (16 mm) thick, 18 inch (457 mm) steel rim, 8-1/2 x 20-1/4 x 26 inch (216 x 514 x 660 mm), with single spring pressure flex breakaway mechanism in steel cover, wing brace, no-tie attachment and universal backplate. CSPC compliant powder coat, orange. 4-1/2 x 5 inch (114 x 127 mm) hole pattern.
         3. Post: Steel, 4-1/2 inch (114 mm) OD, 13 ft (3.960 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) buried in concrete footing. 4 ft. (1.219 m) extension.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Gooseneck 4-1/2 inch RST Basketball System: Item Number 69442. Warranty: Post - 25 Year Limited, Goal - 2 Year Limited. NFHS, NCAA, IAAF, ASBA compliant.
         1. RST Rectangular Steel Backboard: 42 x 60 inch (1067 x 1524 mm), steel, with integral reinforced steel channel and 12 ga. Steel shell, powder coated, white, with printed target and border. orange. 5 x 5 inch (127 x 127 mm) hole pattern.
         2. Dura Goal 1: 18 inch (457 mm) dia. double ring with 5/8 inch (16 mm) thick top ring, 1/2 inch (13 mm) bottom ring and dual 1/2 x 15 inch (13 x 381 mm) bracing and no-tie net attachment. CSPC compliant powder coated, orange, 5 x 5 inch (127 x 127 mm) spacing.
         3. Post: Steel, 4-1/2 inch (114 mm) OD, 13 ft (3.960 m) tall, hot dipped galvanized, with welded backboard mounting plate and galvanized sway braces. 36 inch (914 mm) buried in concrete footing. 4 ft. (1.219 m) extension.
         4. Hardware: Zinc plated.
         5. Nylon net included.
         6. Accessories:

Custom Form Fitted Pole Protective Padding: 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.

* + - 1. Douglas F5 655 Max Basketball System: Item Number 69560. Warranty: Limited Lifetime. NFHS, NCAA, IAAF, ASBA compliant.
         1. Backboard: 42 x 60 inch (1067 x 1524 mm), with aluminum perimeter frame and welded steel back frame. Includes pre-installed, 1 inch (25 mm) thick molded vinyl backboard padding, black.

Item Number 69560: NBA, NCAA. Tempered glass, 1/2 inch (13 mm) thick.

Item Number 69562: Polycarbonate, 1/2 inch (13 mm) thick.

* + - * 1. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat, orange. Hidden net attachment hooks.
        2. Extension Arm: 5 x 5 inch (127 x 127 mm), reinforced, with upper brace arms. Attaches directly to outer perimeter at frame and base of backboard. Extends 5 ft. (1.524 m) from front of pole to backboard.
        3. Pole: Steel, 6 inch (152 mm) sq., 3/16 inch (5 mm) wall thickness, hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
        4. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
        5. Form Fitted Pole Protective Padding: Pre-installed 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
        6. Hardware: Stainless steel.
        7. Nylon net included.
      1. Douglas F5 655 Steel Basketball System: Item Number 69565. Warranty: Limited Lifetime. NFHS, NCAA, IAAF, ASBA compliant.
         1. Backboard: 42 x 60 inch (1067 x 1524 mm), steel, with integral reinforced steel channel and 12 ga. Steel shell, powder coated, white, with printed target and border. orange. 5 x 5 inch (127 x 127 mm) hole pattern.
         2. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat, orange. Hidden net attachment hooks.
         3. Extension Arm: 5 x 5 inch (127 x 127 mm), reinforced, with upper brace arms. Attaches directly to outer perimeter at frame and base of backboard. Extends 5 ft. (1.524 m) from front of pole to backboard.
         4. Pole: Steel, 6 inch (152 mm), sq., 3/16 inch (5 mm) wall thickness, hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
         5. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
         6. Form Fitted Pole Protective Padding: Pre-installed 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
         7. Hardware: Stainless steel.
         8. Nylon net included.
      2. Douglas F5 656 Max Basketball System: Item Number 69572. Warranty: Limited Lifetime. NFHS, NCAA, IAAF, ASBA compliant.
         1. Backboard: (1067 x 1524 mm), with aluminum perimeter frame and welded steel back frame. Includes pre-installed, 1 inch (25 mm) thick molded vinyl backboard padding, black.

Item Number 69572: NBA, NCAA. Tempered glass, 1/2 inch (13 mm) thick.

Item Number 69574: Polycarbonate, 1/2 inch (13 mm) thick.

* + - * 1. Goal: Steel, with 5/8 inch (16 mm) thick, 18 inch (457 mm) rim with wing brace, double spring pressure flex breakaway mechanism and double reinforced steel backplate, CSPC compliant powder coat, orange. Hidden net attachment hooks.
        2. Extension Arm: 5 x 5 inch (127 x 127 mm), reinforced, with upper brace arms. Attaches directly to outer perimeter at frame and base of backboard. Extends 5 ft.(1.524 m) from front of pole to backboard.
        3. Pole: Steel, 6 inch sq. (152 mm), 3/16 inch (5 mm) wall thickness, hot dipped galvanized, with double welded base gussets. Finish: Acrylic powder coat, black. Includes 2 inch (51 mm) thick fitted pole and base pad.
        4. Anchors: Stainless steel, covered bolts, and base, with j-bolts and rebar, set in 4 inch (102 mm) deep concrete footing.
        5. Form Fitted Pole Protective Padding: Pre-installed 2 inch (51 mm) thick dense foam padding, with UV and weather resistant vinyl cover, black. Secured by sewn-in velcro straps.
        6. Hardware: Stainless steel.
        7. Nylon net included.

\*\* NOTE TO SPECIFIER \*\* Delete padding, thickness options, attachment methods, colors, and accessory options not required.

* + 1. Custom Indoor Facility Equipment:
       1. Douglas Custom Sewn Indoor Padding: 14 Oz. Item Number 36998Z. Custom made to order. Measurements or drawings must be provided when ordering.
          1. Design: NFPA 701 and meeting standard fire codes and California Fire Marshall requirements for fire resistance. Custom, reinforced, double-sewn high-impact polyethylene foam wrapped with antibacterial, antifungal, rot, and mildew resistant, and UV and weather resistant solid vinyl.
          2. Padding Thickness: 2 inch (51 mm).
          3. Padding Thickness: 3 inch (76 mm).
          4. Padding Thickness: 4 inch (102 mm).
          5. Attachment Method: Adhesive velcro, included.
          6. Attachment Method: Grommets.
          7. Attachment Method: Adhesive.
          8. Beam Width: \_\_\_\_\_\_\_\_.
          9. Color: Forest Green.
          10. Color: Black.
          11. Color: Royal Blue.
          12. Color: Navy Blue.
          13. Color: Red.
          14. Color: \_\_\_\_\_\_\_\_.
       2. Douglas I-Beam Wrap Protective Padding: Item Number 33842.
          1. Design: NFPA 701 and meeting California Fire Marshall requirements for fire resistance. 6 ft, (1.829 m) high, custom width up to 12 inches (305 mm), and 2 inch (51 mm) thick. Reinforced, double-sewn high-impact polyethylene foam wrapped with solid vinyl.
          2. Attachment Method: Adhesive velcro, included.
          3. Beam Width: \_\_\_\_\_\_\_\_.
          4. Color: Forest Green.
          5. Color: Black.
          6. Color: Royal Blue.
          7. Color: Navy Blue.
          8. Color: Red.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until the substrates have been properly constructed and prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.
   4. FIELD QUALITY CONTROL
      1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection, or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
  1. CLEANING AND PROTECTION
     1. Clean products in accordance with the manufacturers recommendations.
     2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION