SECTION 05 73 00

CABLE RAILING SYSTEMS

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\*\* NOTE TO SPECIFIER \*\* Hayn Enterprises, LLC; stainless steel cable railing systems.  
This section is based on the products of Hayn Enterprises, LLC, which is located at:   
51 Inwood Rd.  
Rocky Hill, CT 06067  
Toll Free: 800-346-4296  
Phone: 860-257-0680  
Toll Free Fax: 800-441-4296  
Fax: 860-257-0683  
Email: sales@hayn.com  
Web Site: [www.hayn.com](http://www.hayn.com)   
Hayn Architectural and Rigging Products are manufactured by Hayn Enterprises, LLC. located in Rocky Hill, CT. Hayn is a 50 year-old family owned business and a leading supplier of turnbuckles and stainless cable hardware for the marine and architectural fields. Hayn has applied the marine hardware technology for use in the architectural field earning a reputation for quality, delivery, pricing, and customer support.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Stainless steel cable railing system.
    2. Pre-engineered railing system.
  1. RELATED SECTIONS

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

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 05 51 00 - Metal Stairs.
    3. Section 05 52 17 - Roof Fall Protection.
    4. Section 05 71 00 - Decorative Metal Stairs.
    5. Section 06 40 00 - Architectural Woodwork.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
        4. Cleaning and maintenance instructions.
     3. Shop Drawings: Provide shop drawings indicating details of construction, installation and relationships to adjacent construction. Shop drawings shall be stamped by a professional engineer licensed in the jurisdiction of the project.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if selections have already been made.

* + 1. Selection Samples: Submit two sets of samples showing available finishes and configurations.
    2. Verification Samples: For each product specified, two samples, representing actual finishes and configurations specified.
  1. QUALITY ASSURANCE
     1. Single Source: To the greatest extent possible obtain components for railing systems from single manufacturer.
  2. DELIVERY, STORAGE AND HANDLING
     1. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations and industry standards. Protect from damage.
     2. Store products in manufacturer's labeled packaging until ready for installation.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
  4. SEQUENCING AND SCHEDULING
     1. Conference: Convene a pre-installation conference to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.
  5. WARRANTY
     1. Manufacturer's standard limited lifetime warranty for defects in materials.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Hayn Enterprises, LLC, which is located at: 51 Inwood Rd.; Rocky Hill, CT 06067; Toll Free Tel: 800-346-4296; Tel: 860-257-0680; Fax: 860-257-0683; Email: [request info (sales@hayn.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Hayn+Enterprises,+LLC&coid=32998&rep=&fax=860-257-0683&message=RE:%20Spec%20Question%20(05720hay):%20%20&mf=); Web: <http://www.hayn.com/cables/index.html>

\*\* 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 provisions of Section 01 60 00 - Product Requirements.
  1. STAINLESS STEEL CABLE RAILING SYSTEMS

\*\* NOTE TO SPECIFIER \*\* "Clevis" style ends for cable attachment allow for connection to eye bolts, tee-stock, angle iron, flat bar, loops, etc. The toggling feature allows for angled takeoff without the use of additional hardware. Toggle ends come standard with screws and lock nuts; however, the Toggles are also available with clevis pins with cotter pins or ring pins upon request. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Delete if not required.

* + 1. Toggle Jaw Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Toggle Jaw Turnbuckles: Tubular style bodies.
         1. Jaw To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Jaw To Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Jaw To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.
      2. Toggle Jaws:
         1. Swage Style Toggle Jaws: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Toggle Jaws: Item no. \_\_\_\_\_\_
         3. Handy Crimp Style Toggle Jaws: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Weld-On Loops for Toggle Jaws: Item no. WL

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Eye Bolts: Welded, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Eye Lags: Welded, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* This cost effective cable tensioning system utilizes high quality closed body turnbuckle assemblies and surface mount Termination Studs. Installation is easy by simply drilling holes in your verticals for the cable to pass through. Tensioning is accomplished by the Termination Stud cap or top pulling against the end verticals/posts in the run. This system supports any type or style of post with available wire sizes ranging from 1/8" to 3/8". Standard Termination Stud end fittings listed are for 2" - 4" - 6" thick post configurations; however, Termination Studs are available for up to 12" thick post configurations. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Delete if not required.

* + 1. Termination Stud Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Termination Stud Turnbuckles: Tubular style bodies.
         1. Swage Style Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below not if required.

* + - 1. Termination Stud:
         1. Swage Style Termination Studs: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Termination Studs: Item no.\_\_\_\_\_\_\_
         3. Handy Crimp Style Termination Studs: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Bevel Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Adjust-A-Ball Fittings: For use with termination studs, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* The Countersunk Termination Stud system demonstrates similar features as our Termination Stud system, except the end fittings are sunk into the end verticals in the run for a flush look. This system supports flat bar or tube style posts in wire sizes ranging from 1/8" to 3/16". Standard Termination Stud end fittings listed are for 2" - 4" - 6" thick post configurations; however, Termination Studs are available for up to 12" thick post configurations. Installation is simple, by using a standard 82 degrees countersink on your end verticals/posts the fitting will insert flush with the face. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Delete if not required.

* + 1. Countersunk Termination Stud Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Countersunk Termination Stud Turnbuckles: Tubular style bodies.
         1. Swage Style Countersunk Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Handy Crimp Style Countersunk Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Countersunk Termination Studs:
         1. Swage Style Countersunk Termination Studs: Item no. \_\_\_\_\_\_.

Handy Crimp Style Countersunk Termination Studs: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Countersunk Thread on Top Termination Studs: Item no. CTST14.

\*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Handy Crimp To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* This simple and economical cable tensioning system provides for an extremely "clean" look concealing the threads for adjustment internally. The typical application is for short to medium length cable runs in wire sizes ranging from 1/8" to 1/4". Cable tensioning is easily accomplished with the use of a 3/16" hex key wrench (Allen wrench). All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Additionally, the stud tensioners can be used in conjunction with other stud length combinations and systems to meet your design criteria. Delete if not required.

* + 1. Stud Tensioning Internal Adjuster Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Stud Tensioning Internal Adjusters: Assemblies.
         1. Swage Style Stud Tensioning Internal Adjuster Assemblies: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Stud Tensioning Internal Adjuster Assemblies: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Stud Tensioning Internal Adjuster Assemblies: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stud Tensioning Internal Adjuster: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stud Tensioning Internal Adjuster Studs:
         1. Swage Style Studs: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Studs: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Studs: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Bevel Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Adjust-A-Ball Fittings: For use with termination studs, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* The most cost effective cable attachment and tensioning solution offers a very "clean" look. This system normally uses a Flat Washer and Hex Nut for tensioning against the end verticals/posts in the run. A Cap (Acorn) Nut is installed on the protruding threads to finish off the attachment and lock the tensioning nut in position. Delete if not required.

* + 1. Threaded Stud Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Threaded Studs:
         1. Lifeline Studs: Swage Style, Item no. \_\_\_\_\_\_.
         2. Lifeline Studs: Hayn Grip Style, Item no. \_\_\_\_\_\_.
         3. Lifeline Studs: Swage Style with wrench flats, Item no. \_\_\_\_\_\_.
         4. Lifeline Studs: Handy Crimp Style, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Bevel Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Adjust-A-Ball Fittings: For use with threaded stud system, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Washers:
         1. Material: 18-8 stainless steel.

Flat Washers: Item no. \_\_\_\_\_\_.

Lock Washers: Item no. \_\_\_\_\_\_.

Fender Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Nuts:
         1. Material: 18-8 stainless steel.

Hex Nuts: Item no. \_\_\_\_\_\_.

Hex Acorn Cap Nuts: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* This cost effective cable tensioning system utilizes "Deck" toggles which provide a face mount solution while allowing for angled takeoff. The Deck Toggle fittings are attached utilizing two screws through the Deck Toggle base. The mounting surfaces include wood posts or blocking (requires minimum 3" wood blocking) on either side of a common post by through bolting, or drilling and tapping a metallic post. The articulation range of the Deck Toggle end fittings is greater than 180 degrees. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Delete if not required.

* + 1. Deck Toggle-Surface Mount Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below not required.

* + - 1. Deck Toggle Turnbuckles: Tubular style bodies.
         1. Swage Style Deck Toggle Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Deck Toggle Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Deck Toggle Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Deck Toggle Jaws:
         1. Swage Style Deck Toggle Jaws: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Deck Toggle Jaws: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Deck Toggle Jaws: Item no. \_\_\_\_\_\_.

\*\* \*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Stainless tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp to Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Lag Screws: Hex Head Deck Toggle Hardware, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Designed for ease of installation in a "confined space" (within 4-1/2" of an obstruction such as an adjacent wall or post), this cost effective cable tensioning system utilizes high quality closed turnbuckle assemblies and surface mount End Fitting hardware. The End Fitting options include Cap or Acorn Nuts, Hex Nuts, Dome Nuts, Ball Ends, and Adjust-A-Ball fittings. Installation is easy by simply drilling holes in your verticals for the cable to pass through. Tensioning is accomplished by the End Fitting pulling against the end verticals/posts in the run. This system supports any type or style of post with available wire sizes ranging from 1/8" to 1/4". Standard Termination Stud end fittings listed are for 2" - 4" - 6" thick post configurations; however, Termination Studs are available for up to 12" thick post configurations. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance. Delete if not required.

* + 1. Threaded Termination Stud Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Threaded Termination Stud Turnbuckles: Tubular style bodies.
         1. Swage Style Threaded Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Threaded Termination Stud Turnbuckles: Item no.\_\_\_\_\_\_\_
         3. Handy Crimp Style Threaded Termination Stud Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Threaded Termination Studs:
         1. Swage Style Threaded Termination Studs: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Threaded Termination Studs: Item no.\_\_\_\_\_\_\_\_\_
         3. Handy Crimp Style Threaded Termination Studs: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Termination Stud Thread on Cap: Item no. TST14.

\*\* \*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Stainless tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp to Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Bevel Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Washers:
         1. Material: 18-8 stainless steel.

Flat Washers: Item no. \_\_\_\_\_\_.

Lock Washers: Item no. \_\_\_\_\_\_.

Fender Washers: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Dome Nut Fittings: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Adjust-A-Ball Fittings: For use with threaded termination studs, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Ball End Fittings: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Nuts:
         1. Material: 18-8 stainless steel.

Hex Nuts: Item no. \_\_\_\_\_\_.

Hex Acorn Cap Nuts: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* The "Lag End" cable tensioning system has been developed for direct attachment to wood surfaces with a minimum of 3" of wood blocking for full thread engagement. Holes are simply pre-drilled into the connecting wood surface and the lag is threaded into the hole. All hardware is made from high quality 316 grade stainless steel for superior corrosion resistance.. The strength of the cable assembly is limited to the lag holding power and mounting material (solid wood blocking is required). Lag hardware is only recommended for light duty use and not for commercial use. Delete if not required.

* + 1. Lag System - Surface Mount Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Lag Stud Turnbuckles: Tubular style bodies.
         1. Swage Style Lag Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Lag Stud Turnbuckles: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Lag Stud Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Lag Studs:
         1. Swage Style Lag Studs: Item no. \_\_\_\_\_\_.
         2. Hayn Grip Style Lag Studs: Item no. \_\_\_\_\_\_.
         3. Handy Crimp Style Lag Studs: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Inline Turnbuckles may be required to meet tensioning or style requirements. Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Inline Turnbuckles: Stainless tubular style bodies.
         1. Swage To Swage Style Turnbuckles: Item no. \_\_\_\_\_\_.
         2. Hayn Grip to Hayn Grip Style Turnbuckles: Item no.\_\_\_\_\_\_\_\_\_
         3. Handy Crimp To Handy Crimp Style Turnbuckles: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER\*\* Trellis Stainless Steel Cable Systems are made from 316 grade stainless steel and offered in 1/8" - 1/4" wire diameters. The system is designed to accommodate cables attaching perpendicular to each other to form a grid pattern. Cable sizes greater than 1/8" utilize the LP104 series posts which have an additional support base for stability. The posts offer a through mounting system for attachment to a surface. Delete if not required.

* + 1. Trellis Stainless Steel Cable Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Trellis Posts:
         1. Trellis End Posts: Item no. \_\_\_\_\_\_.
         2. Trellis Post Assemblies, Single Stud: Item no. \_\_\_\_\_\_.
         3. Trellis Post Assemblies, Double Stud: Item no. \_\_\_\_\_\_.
         4. Trellis Post WIDE Support Base: Item no. \_\_\_\_\_\_.
         5. Mount Screws - Socket Head Cap Screw: Item no. \_\_\_\_\_\_.
         6. Drop In Concrete Anchors: Item no. DIA38.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Threaded Studs:
         1. Lifeline Studs: Swage Style, Item no. \_\_\_\_\_\_.
         2. Lifeline Studs: Hayn Grip style, Item no. \_\_\_\_\_\_.
         3. Lifeline Studs: Swage Style with wrench flats, Item no. \_\_\_\_\_\_.
         4. Lifeline Studs: Handy Crimp Style, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Cross Clamps are used in conjunction with trellis posts as a "stiffener" at the cable crossing points where no post exists and to attach horizontal and vertical cables to perimeter cables. Delete if not required.

* + - 1. Trellis Cross Clamps: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Architectural Adjuster Fork Systems are made from 316 grade stainless steel, and are used for both rod and cable applications and are engineered for strength as well as aesthetic appeal. The fork end fittings are offered from 1/4" - 2" pin diameter. The system includes left and right hand thread configurations as well as wrench flats to facilitate tensioning. Fork pin configurations include a standard clevis pin with cotter pin retention or an upgrade to a double headed clevis pin for a smooth look. Architectural lock nuts are engineered to complement the aesthetics of the mating fork assembly. Rods are custom made to your length and finish specifications. Delete if not required.

* + 1. Architectural Adjuster Fork Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, rod, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
      2. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
      3. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
      4. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.
      5. Stainless Steel Rod: 316 Grade, Diameter\_\_\_\_\_\_\_\_\_\_\_\_.
      6. Architectural Adjuster Forks: Item no. \_\_\_\_\_\_.
      7. Architectural Adjuster Fork Lock Nuts: Item no. \_\_\_\_\_\_.
      8. Architectural Adjuster Fork Double Headed Clevis Pin Assemblies: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete if not required.

* + - 1. Swage Studs - Rigging Style for use with Cable: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + 1. Hayn Lines Hardware Accessories for Stainless Steel Cable Railing Systems: As manufactured by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       2. Material: 316 stainless steel.
       3. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.
       4. Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.
       5. Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.
       6. Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Flush Mount Ball Sockets:
         1. Ball Sockets, Back Mount: No Slots, Item no. BCM6.
         2. Ball Sockets, Back Mount: With Slots, Item no. BCM6-C.
      2. Surface Mount Ball Sockets: Item no. \_\_\_\_\_\_.
      3. Forks, Swage Type: Item no. \_\_\_\_\_\_.
      4. Wire Rope Clips: Item no. \_\_\_\_\_\_.
      5. Thimbles: Item no. \_\_\_\_\_\_.
      6. Eye Bolts: Welded, Item no. \_\_\_\_\_\_.
      7. Eye Lag Bolts: Welded, Item no. \_\_\_\_\_\_.
      8. Lag Screws: Hex head deck toggle hardware, Item no. \_\_\_\_\_\_.
      9. Drop In Concrete Anchors: Item no. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Washers:
         1. Material: 18-8 stainless steel.

Flat Washers: Item no. \_\_\_\_\_\_.

Lock Washers: Item no. \_\_\_\_\_\_.

Fender Washers: Item no. \_\_\_\_\_\_.

* + - 1. Nuts:
         1. Material: 18-8 stainless steel.

Hex Nuts: Item no. \_\_\_\_\_\_.

Hex Acorn Cap Nuts: Item no. \_\_\_\_\_\_.

* + - 1. Bushings:
         1. Material: Nylon

Bushings: Nylon, split, black, Item no. \_\_\_\_\_\_.

Bushings: Nylon, split, silver, Item no. \_\_\_\_\_\_.

Bushings: Nylon, split, white, Item no. \_\_\_\_\_\_.

Bushings: Nylon, split, 31 degree angle, black, Item no. \_\_\_\_\_\_.

Bushings: Nylon, split, 31 degree angle, silver, Item no. \_\_\_\_\_\_.

Bushings: Nylon, split, 31 degree angle, white, Item no. \_\_\_\_\_\_.

* + - 1. Copper Oval Sleeves: Zinc plated, Item no. \_\_\_\_\_\_.
      2. Hayn Finishing Wipes: Lint free, Item no. WIPES-CASE.

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

* + 1. Hayn Swaging Equipment/Cable Cutting Tools/Dies: As distributed by Hayn Enterprises, LLC.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below if not required.

* + - 1. Swaging Equipment/Cable Cutting Tools:
         1. Nicopress, Handy Crimp Tools: Item no. HCTOOL.
         2. Cable Cutters: Item no. \_\_\_\_\_\_.
         3. Top Reff Swagers/Dies: Item no. \_\_\_\_\_\_.

Top Reff Swagers: Item no. K50E

Top Reff Dies: Item no. \_\_\_\_\_\_.

Top Reff Foot Switch: Item no. K50EFOOTSWITCH

* + - 1. WireTeknik Roll Swagers/Dies/Power Packs:
         1. WireTeknik Roll Swagers: Item no. \_\_\_\_\_\_.
         2. Dies For WireTeknik Roll Swagers: Item no. \_\_\_\_\_\_.

Hydraulic Power Pack:

Swager Hand Pump: Item no. HYDHANDPUMP.

Air/Hydraulic Power Packs: Item no. ZAP102.

Drill Operated Power Packs: Item no. BDHPP.

* 1. PRE-ENGINEERED RAILING SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Delete article below if standard designed systems are not used. All systems below are stainless steel. Standard designed systems include a frame consisting of balusters and handrails and infill consisting of cables, and cable terminations. The following standard systems are based on using either 3/16 inch (5 mm) or 1/4 inch (6 mm) diameter cables. Delete if not required.

* + 1. Pre-Engineered Cable Railing Systems: System 2000 Series with stainless steel handrails as distributed by Hayn Enterprises, LLC.
       1. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.

\*\* NOTE TO SPECIFIER \*\* Delete model numbers not required.

* + - 1. Materials: 316 stainless steel, #3 brushed finish.
      2. Materials: 304 stainless steel, #3 brushed finish.

\*\* NOTE TO SPECIFIER \*\* Fill in model numbers in blanks below. Duplicate lines as required to specify multiple models of product type. Delete components from lists below not required.

* + - 1. Cable Infill: 1/8 inch (3 mm), 3/16 inch (5 mm), or 1/4 inch (6 mm) diameter.
         1. Stainless Steel Cable: 1x19, Item no. \_\_\_\_\_\_.

Stainless Steel Cable: 7x19, Item no. \_\_\_\_\_\_.

Stainless Steel Cable: 7x7, Item no. \_\_\_\_\_\_.

Stainless Steel Cable: Vinyl coated, 7x7, Item no. \_\_\_\_\_\_.

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

* + - 1. Attachment: 4 inch x 4 inch (102 mm x 102 mm) surface mounted base plate.
      2. Attachment: Core drill.
      3. Attachment: Fascia mount.
      4. Attachment: As indicated on Drawings.

\*\* NOTE TO SPECIFIER \*\* System 2000 series offers different design options. Delete railing systems and associated subparagraphs not required.

* + - 1. Railing System: System 2000 Series, SP1-2000 Square Post / Cable Infill as distributed by Hayn Enterprises, LLC.
         1. Description: Stainless steel construction with 1-1/2 inch (38 mm) square tube posts on 48 inch (1219 mm) centers.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 1-1/2 inch (38 mm) diameter tube.
      1. Railing System: System 2000 Series, FB1-2000 Flat Bar Post / Cable Infill as distributed by Hayn Enterprises, LLC.
         1. Description: Stainless steel construction with posts crafted from two 1/2 inch x 1-1/2 inch (13 mm x 38 mm) flat bars welded to one another by 1/2 inch (13 mm) diameter x 1-1/2 inch (38 mm) long tubes. Posts are on 48 inch (1219 mm) centers.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 1-1/2 inch (38 mm) diameter tube.
      1. Railing System: System 2000 Series, FB3-2000 as distributed by Hayn Enterprises, LLC.
         1. Description: All stainless steel construction, posts are crafted from two 1/2 inch x 1-1/2 inch (13 mm x 38 mm) flat bars welded to one another by a welded tab. Posts on 48 inches (1219 mm) centers.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 1-1/2 inch (38 mm) diameter tube.
      1. Railing System: System 2000 Series, VC1-2000 as distributed by Hayn Enterprises, LLC.
         1. Description: Stainless steel vertical cable railing system with vertical frame members crafted from 3/4 inch x 2 inch (19 mm x 51 mm) flat bar and horizontal members manufactured from 1-1/2 inch (38 mm) square tube.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 2 inch (51 mm) diameter tube.
      1. Railing System: System 2000 Series, SPG1-2000 as distributed by Hayn Enterprises, LLC.
         1. Description: Designed for areas where falling objects are of concern. Crafted from stainless steel and glass; glass panel at bottom to prevent objects from falling to the level below used in conjunction with cabling. Glass paneling is 3/8" thick and typically 10" high. Glass options include clear, smoke, and frosted as well as safety film and graphic film layovers.

\*\* NOTE TO SPECIFIER \*\* Fill in blank below with custom glass panel height or delete line as applicable. Delete option for glass paneling not required.

* + - * 1. Glass Paneling: 3/8 inch (9.5 mm) thick, \_\_\_\_\_\_\_\_\_\_\_ height.
        2. Glass Paneling: 3/8 inch (9.5 mm) thick, 10 inch (254 mm) height.

\*\* NOTE TO SPECIFIER \*\* Delete glass types not required.

* + - * 1. Glass Type: Clear.
        2. Glass Type: Smoke.
        3. Glass Type: Frosted.

\*\* NOTE TO SPECIFIER \*\* Delete glass features if not required.

* + - * 1. Glass Feature: Safety film layovers.
        2. Glass Feature: Graphic film layovers, as indicated on Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 2 inch (51 mm) diameter tube.
      1. Railing System: System 2000 Series, SPG2-2000 as distributed by Hayn Enterprises, LLC.
         1. Description: Crafted from stainless steel and glass with 1-1/2 inch (38 mm) square tube posts on 48 inches (1219 mm) centers.
         2. Glass Paneling: 3/8 inch (9.5 mm) thick.

\*\* NOTE TO SPECIFIER \*\* Delete glass types not required.

* + - * 1. Glass Type: Clear.
        2. Glass Type: Smoke.
        3. Glass Type: Frosted.

\*\* NOTE TO SPECIFIER \*\* Delete glass features if not required.

* + - * 1. Glass Feature: Safety film layovers.
        2. Glass Feature: Graphic film layovers, as indicated on Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - * 1. Railing Height: 36 inches (914 mm).
        2. Railing Height: 42 inches (1067 mm).

\*\* NOTE TO SPECIFIER \*\* Delete top cap if not required.

* + - * 1. Top Cap: 1-1/2 inch (38 mm) diameter tube.

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

* + 1. Pre-Engineered Cable Railing Systems: System 2000 Series with aluminum handrails as distributed by Hayn Enterprises, LLC.
       1. Railing System: System 2000 Series, AP1-2000 Aluminum Handrail and Posts / Stainless Steel Cable Infill.
       2. General: Cable, hardware components and accessories as required for complete system installation in accordance with structural requirements and governing codes.
       3. Description: Aluminum powder coated frame and stainless steel cables for infill.

\*\* NOTE TO SPECIFIER \*\* Fill in blank below with designation for color of powder coating or delete line as applicable. Delete option for powder coating not required.

* + - 1. Powder Coating: \_\_\_\_\_\_\_\_\_\_\_\_.
      2. Powder Coating: As indicated on Drawings.
      3. Vertical Posts: 2-3/8 inch (60 mm) square tube on 48 inch (1219 mm) centers.
      4. Top Cap: 2 inch x 3-3/4 inch (51 mm x 95 mm) oval.

\*\* NOTE TO SPECIFIER \*\* Delete railing height not required.

* + - 1. Railing Height: 36 inches (914 mm).
      2. Railing Height: 42 inches (1067 mm).
      3. Cable Infill: 1/8 inch (3 mm) diameter 1x19 strand cabling with swage stud adjusters at each end for cable tensioning.

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

* + - 1. Attachment: 5 inch x 5 inch (127 mm x 127 mm) surface mounted base plate.
      2. Attachment: Core drill.
      3. Attachment: Fascia mount.
      4. Attachment: As indicated on Drawings.

1. EXECUTION
   1. PREPARATION
      1. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
      2. Do not proceed with installation until substrates have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. Commencement of installation constitutes acceptance of conditions.
   2. INSTALLATION
      1. Install in accordance with manufacturer's written instructions and recommendations. Adjust for proper tension and appearance. Clean with Hayn Lint Free Finishing Wipes.
   3. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION