SECTION 11 67 33

CLIMBING WALL SYSTEMS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

*Copyright 2019 - 2019 ARCAT, Inc. - All rights reserved*

\*\* NOTE TO SPECIFIER \*\* Everlast Climbing, A PlayCore Company and its brand, Kumiki Climbing; climbing walls, climbing accessories, physical education equipment, and fitness equipment.  
This section is based on the products of Everlast Climbing; A PlayCore Company and its brand, Kumiki Climbing, which are located at:  
42 Northern Stacks Dr.  
Suite 100  
Minneapolis, MN 55421  
Toll Free: 476-7366  
Phone: 651-665-9131  
Fax: 651-665-9130  
Email: sales@everlastclimbing.com  
Web: everlastclimbing.com and www.kumikiclimbing.com  
[Click Here] for additional information.  
Everlast Climbing inspires and engages people of varying ages and abilities in physical activity through its dynamic climbing walls, Ninja courses and fitness products. Its Kumiki Climbing brand includes premium climbing walls, hand holds and volumes for advanced-level rock climbers.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Climbing wall system components of the following types:
       1. Climbing walls.
       2. Hand holds.
       3. Mat locking system and safety mats.
       4. Climbing wall accessories.
    2. Physical education equipment of the following types:
       1. Indoor jungle gym.
       2. Ninja course.
    3. Premium climbing wall systems.
  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 50 00 - Metal Fabrications.
    3. Section 06 10 00 - Rough Carpentry.
    4. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
  1. REFERENCES

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

* + 1. ASTM International (ASTM):
       1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
       2. ASTM F1292 - Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.
       3. ASTM F2440 - Standard Specification for Indoor Wall/Feature Padding.
    2. Climbing Wall Association (CWA).
       1. CWA Standards for the Design and Engineering of Manufactured Climbing Structures.
    3. National Fire Protection Association (NFPA):
       1. NFPA 286 - Standard Methods of Fire Tests for Evaluation Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.
  1. DEFINITIONS
     1. Artificial Climbing Wall: A wall with indentations, overhand, roofs or other projections such as hand holds, or foot holds used for rock climbing.
     2. Surfacing: The patent-pending substrate with aggregate that provides durable and texture while allowing the wood or colored stain to show through to create visual appeal.
     3. Route: Surface for climbing that is approximately four to five feet wide, extending vertically from the floor.
     4. Anchor Point: The location on the climbing wall where anchors are placed that are used to belay climbers during their climb.
     5. Top Rope Climbing Route: Climbing routes which have anchor points at the top of the wall that support the climber via rope that is held by a belayer on the floor below the climber. The anchor point is always located above the climber.
     6. Lead Climbing Route: Climbing routes which have anchor points throughout the wall that support the climber via rope that is held by a belayer on the floor below the climber. The anchor point may sometime be located below the climber until the climber ascends above that anchor point and connects to another anchor point.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     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.
     3. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
     4. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
  3. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum 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.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project. Delete if not required.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. 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.
  2. 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.
  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 recommended limits.
  4. SEQUENCING
     1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
  5. WARRANTY
     1. Manufacturer's Warranty: Provide manufacturer's standard limited warranty.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Everlast Climbing a PlayCore Company, which is located at:  
         5522 Lakeland Ave. N.  
         Minneapolis, MN 55429  
         Toll Free Tel: 800-476-7366  
         Tel: 651-665-9131  
         Fax: 651-665-9130  
         Email: [request info (info@everlastclimbing.com)](https://arcat.com/rfi?action=email&company=Everlast%252BClimbing%252Ba%252BPlayCore%252BCompany&message=RE%253A%2520Spec%2520Question%2520(11489eve)%253A%2520&coid=50755&spec=11489eve&rep=&fax=651-665-9130);Web: <https://everlastclimbing.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 provisions of Section 01 60 00 - Product Requirements.

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

* 1. CLIMBING WALLS

\*\* NOTE TO SPECIFIER \*\* Detailed with a magnetic surface and speckles and includes hundreds of number, letter, and sentence building magnets. Delete if not required.

* + 1. Magnetic Wall: Basis of Design: Magna Wall; as manufactured by Everlast Climbing.
       1. Description: Magnetic surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
         5. Magnets: Number, letter, and sentence-building magnets.
      2. Finish: Multi-colored texture paint.

\*\* NOTE TO SPECIFIER \*\* Detailed with Groperz Tip Top Texture paint for a granite-like look and feel. Delete if not required.

* + 1. Textured Wall: Basis of Design: Standard Wall; as manufactured by Everlast Climbing.
       1. Description: Textured paint surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Finish: Multi-color textured paint.

\*\* NOTE TO SPECIFIER \*\* Features a smooth surface like a polished river rock, perfect for climbing at any level. Delete if not required.

* + 1. Slate Look Wall: Basis of Design: River Rock Wall - Slate; as manufactured by Everlast Climbing.
       1. Description: Smooth surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Finish: Slate.

\*\* NOTE TO SPECIFIER \*\* Features a smooth surface like a polished river rock, perfect for climbing at any level. Delete if not required.

* + 1. Granite Look Panels: Basis of Design: River Rock Wall - Granite; as manufactured by Everlast Climbing.
       1. Description: Smooth surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Finish: Granite.

\*\* NOTE TO SPECIFIER \*\* Discovery Dry-Erase Wall features a white, wipe-off, dry-erase, magnetic surface and includes hundreds of number, letter, and sentence building magnets. Delete if not required.

* + 1. Dry Erase Wall: Basis of Design: Discovery Dry-Erase Wall; as manufactured by Everlast Climbing.
       1. Description: White, dry-erase, magnetic surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
         5. Magnets: Number, letter, and sentence-building magnets.
         6. Dry-erase markers.

\*\* NOTE TO SPECIFIER \*\* Adaptive Wall features a white, wipe-off, dry-erase, magnet-accepting surface with adaptive hand and foot holds to make climbing more accessible to children with physical disabilities. Also includes dry-erase markers and hundreds of number, letter, and sentence building magnets. Delete if not required.

* + 1. Adaptive Wall: Basis of Design: Adaptive Wall; as manufactured by Everlast Climbing.
       1. Description: White, dry-erase, magnet-accepting surface with adaptive hand and foot holds.
       2. Wall Height: 8 feet (2438 mm).
          1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. Adaptive Holds: 4 hand holds and 2 ledge foot holds per panel.
        2. T-Nuts: 66 per panel for mounting hand holds.
        3. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Activity Wall Activity guide.
         5. Magnets: Number, letter, and sentence-building magnets.
         6. Dry-erase markers.

\*\* NOTE TO SPECIFIER \*\* Add beauty to any space with this gorgeous climbing wall made from high-quality Baltic birch. Delete if not required.

* + 1. Birch Panels: Basis of Design: Baltic Birch Wall; as manufactured by Everlast Climbing.
       1. Description: Birch surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Finish: Clear coated Birch.

\*\* NOTE TO SPECIFIER \*\* Chroma Wall has a smooth, durable surface that makes it perfect for early childhood and adaptive settings. Delete if not required.

* + 1. Color Wall: Basis of Design: Chroma Wall; as manufactured by Everlast Climbing.
       1. Description: Smooth, durable surface.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Color: Blue.
      2. Color: Red.
      3. Color: Green.

\*\* NOTE TO SPECIFIER \*\* Relief-Feature Wall is detailed with Groperz Tip Top Texture paint for a granite-like look and feel with rock-like features. Delete if not required.

* + 1. Relief Wall: Basis of Design: Relief-Feature Wall; as manufactured by Everlast Climbing.
       1. Description: Textured paint surface with rock-like relief features.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Finish: Multi-color textured paint.

\*\* NOTE TO SPECIFIER \*\* Magna Relief-Feature Wall is detailed with a magnetic surface and unique rock-like features and includes hundreds of number, letter, and sentence building magnets. Delete if not required.

* + 1. Magnetic Relief Wall: Basis of Design: Magna Relief-Feature Wall; as manufactured by Everlast Climbing.
       1. Description: Magnet-accepting surface with rock-like relief features.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, Green, and Blue.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
         5. Magnets: Number, letter, and sentence-building magnets.
      2. Finish: Multi-color textured paint.

\*\* NOTE TO SPECIFIER \*\* The Sandstone Relief-Feature Wall replicates outdoor climbing areas in the Southwestern United States with specially-designed hand holds and challenging relief features. Delete if not required.

* + 1. Sandstone Look Relief Wall: Basis of Design: Sandstone Relief-Feature Wall; as manufactured by Everlast Climbing.
       1. Description: Textured paint surface with Sandstone relief features.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Sandstone Style Hand Holds.

Colors: Red, Orange, and Grey.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 66 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 8 foot (1219 x 2438 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Sandstone Style Hand Holds.

Colors: Red, Orange, and Grey.

Quantity: 25 per section.

* + - * 1. T-Nuts: 82 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
      2. Color: Sandstone.

\*\* NOTE TO SPECIFIER \*\* The Superior Rock Wall is molded from rock along the shores of Lake Superior. Delete if not required.

* + 1. Rock Wall: Basis of Design: Superior Rock Wall; as manufactured by Everlast Climbing.
       1. Description: Molded from rock for realistic look and feel.

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

* + - 1. Wall Height: 8 feet (2438 mm).
         1. Panels: 4 x 4 foot (1219 x 1219 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per section.

* + - * 1. T-Nuts: 50 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Wall Height: 10 feet (3048 mm).
         1. Panels: 4 x 4 foot (1219 x 1219 mm) and 4 x 2 foot (1219 x 610 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 25 per section.

* + - * 1. T-Nuts: 70 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per section.
      1. Additional Components:
         1. Safety, care, and maintenance manual.
         2. Rules and guidelines sign.
         3. Climbing the Walls Activity Guide, 250 pages.
      2. Color: Dark gray.

\*\* NOTE TO SPECIFIER \*\* Discovery Blackboard Wall is detailed with a black, magnetic chalkboard surface. Delete if not required.

* + 1. Blackboard Wall: Basis of Design: Discovery Blackboard Wall; as manufactured by Everlast Climbing.
       1. Description: Black, magnetic, chalkboard surface.
       2. Wall Height: 8 feet (2438 mm).
          1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 20 per section.

* + - * 1. T-Nuts: 66 per section for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Climbing the Walls Activity Guide, 250 pages.
         5. Magnets: Number, letter, and sentence-building magnets.
         6. Chalk.

\*\* NOTE TO SPECIFIER \*\* Our Mural Wall is detailed with a choice of illustrated murals. Delete if not required.

* + 1. Mural Wall: Basis of Design: Mural Wall; as manufactured by Everlast Climbing.
       1. Description: Illustrated mural wall.
       2. Wall Height: 8 feet (2438 mm).
          1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: 40 feet (12192 mm).
        3. Length: \_\_\_\_\_.
        4. Hand Holds: Groperz Hand Holds.

Colors: Coordinating with mural.

Quantity: 20 per panel.

* + - * 1. T-Nuts: 20 per panel for mounting hand holds.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Safety, care, and maintenance manual.
         2. Rules and guidelines sign.
         3. Climbing the Walls Activity Guide, 250 pages.

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

* + - 1. Image: Mountain Scene.
      2. Image: Forest Scene.
      3. Image: Jungle Scene.
      4. Image: Outer Space Scene.
      5. Image: Ocean Scene.
      6. Image: Custom, to be provided by Architect.
      7. Image: Custom, as indicated on Drawings.

\*\* NOTE TO SPECIFIER \*\* Made with beautiful Baltic birch, the Climb-Able wall can be mounted by itself, next to another climbing wall or in a row with several other Climb-Able walls. Delete if not required.

* + 1. Angled Panels: Basis of Design: Climb-Able Wall; as manufactured by Everlast Climbing.
       1. Description: Birch surface angled outward for easier climbing.
       2. Panel Size: 4 x 7.5 feet (1219 x 2286 mm).
       3. Hand Holds: WeeKidz Hand Holds.
          1. Colors: Red and Yellow.
          2. Quantity: 20 per panel.
       4. Cordless Mat Locking System and Safety Mat: 1 per panel.
       5. Additional Components:
          1. Safety, care, and maintenance manual.
          2. Rules and guidelines sign.
          3. Activity guide.
       6. Finish: Clear finish.

\*\* NOTE TO SPECIFIER \*\* Our 360 Magna Freestanding Wall is detailed with a Magna blue or Magna gray magnetic surface and speckles. Delete if not required.

* + 1. Freestanding Wall: Basis of Design: 360 Magna Freestanding Wall; as manufactured by Everlast Climbing.
       1. Description: Freestanding, 4 sided wall with magnetic surface.
       2. Wall Size: 8 x 32 feet (2438 x 9754 mm) - 8 feet (2438 mm) per side.
          1. Panels: 4 x 8 foot (1219 x 2438 mm) panels.
          2. Hand Holds: Groperz Route-Setting Hand Holds.

Colors: Red, Yellow, and Green.

Quantity: 160.

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Activity guide.
      2. Color: Magna blue.

\*\* NOTE TO SPECIFIER \*\* Increase the challenge of your climbing wall with an Overhang. An Overhang can be added adjacent to your existing wall. Delete if not required.

* + 1. Overhang Wall: Basis of Design: Overhang; as manufactured by Everlast Climbing.
       1. Description: Baltic birch panels at 14 degrees from vertical.
       2. Panel Size: 4 x 7.5 feet (1219 x 2286 mm).
       3. Finish: Clear.

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

* + 1. Playground Wall: Basis of Design: Playground Wall; as manufactured by Everlast Climbing.
       1. Description: IPEMA certified waterproof outdoor climbing wall.
       2. Wall Size: 6 x 12 feet (1829 x 3658 mm).
          1. Panels: 4 x 6 foot (1219 x 1829 mm) panels.
          2. Hand Holds: UV Hand Holds.

Colors: Red and Yellow.

Quantity: 120.

* + - * 1. Steel Posts: 4.
        2. Required safety surfacing, not included.

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

* + - 1. Color: Clear.
      2. Color: Gray.

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

* + 1. Top Rope Wall: Basis of Design: Top Rope Walls; as manufactured by Everlast Climbing.
       1. Construction: Panels are constructed of fire-treated plywood.

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

* + - 1. Panel Type: Magna.
      2. Panel Type: Sculpted Magna.
      3. Panel Type: As indicated on Drawings.
      4. Panel Type: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete wall size option not required.

* + - 1. Wall Size: As indicated on Drawings.
      2. Wall Size: \_\_\_\_\_.
      3. Hand Holds: Groperz Route-Setting Hand Holds.

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

* + - * 1. Colors: Red, Yellow, and Green.
        2. Colors: \_\_\_\_\_.
        3. Quantity: 20 per panel.
        4. Quantity: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete quantity option not required.

* + - 1. T-Nuts: 66 per panel for mounting hand holds.
      2. T-Nuts: \_\_\_\_\_ per panel for mounting hand holds.

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

* + - 1. Cordless Mat Locking System and Safety Mat: 1 premium 3 inch (76 mm) mats per 4 foot (1219 mm) horizontal section.
      2. Designed and installed to CWA standards.
      3. Additional Components:
         1. Relief Line: Red-Relief Line: A safety feature that reminds climbers to stay within a distance of three feet from the floor and acts as helpful tool for climbing wall supervisor when using as a Traverse Wall.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Activity guide.

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

* + - * 1. Outlet frames.

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

* + - 1. Equipment Package:

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

* + - * 1. Fully Adjustable Harnesses: 3 per station.
        2. Semiautomatic Belay Devices: 1 per station.
        3. Locking Carabiners: 4 per station.
        4. Helmets: 2 per station.
        5. Dynamic Top Ropes: 1 per station.
        6. One-day top rope site management training.

\*\* NOTE TO SPECIFIER \*\* Add adventure, fun, and increased fitness opportunities to your aquatic area with a poolside climbing wall. Delete if not required.

* + 1. Pool Climbing Wall: Basis of Design: Kersplash Pool Climbing Wall; as manufactured by Everlast Climbing.
       1. Description: Waterproof panels on stainless steel structure.
       2. Structure Finish: Spectra Shield coating.

\*\* NOTE TO SPECIFIER \*\* Delete widths and heights not required.

* + - 1. Wall Width: 4 feet (1219 mm).
      2. Wall Width: 8 feet (2438 mm).
      3. Wall Width: 12 feet (3658 mm).
      4. Wall Width: 16 feet (4877 mm).
      5. Wall Height: 8 feet (2438 mm).
      6. Wall Height: 12 feet (3658 mm).
      7. Wall Height: 16 feet (4877 mm).
      8. Hand Holds: Groperz Hand Holds - Orange, Yellow, and Red.
      9. Additional Components:
         1. Top Guard Safety Panel.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.

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

* + - 1. Color: Clear.
      2. Color: Blue and Green.

\*\* NOTE TO SPECIFIER \*\* Our Beginner WeeKidz Traverse Wall features grab-bar style and ledge-style holds to invite success on the wall. Delete if not required.

* + 1. Beginner Climbing Wall: Basis of Design: Beginner WeeKidz Traverse Wall; as manufactured by Everlast Climbing.
       1. Wall Height: 6'-10" feet (2083 mm).

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: \_\_\_\_\_.
        3. Panels: 4 foot x 6'-10" (1219 x 2083 mm) panels.
        4. Hand Holds:

12 WeeKidz Hand Holds - Red and Yellow, per panel.

5 Grab-bar style hand holds - Blue and Yellow, per panel.

3 Ledge style foot holds - Blue, per panel.

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

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Safety, care, and maintenance manual.
         2. Rules and guidelines sign.
         3. Activity guide.

\*\* NOTE TO SPECIFIER \*\* Our WeeKidz Traverse Wall is detailed with a Magna blue magnetic surface with speckles. Delete if not required.

* + 1. Kids Climbing Wall: Basis of Design: WeeKidz Traverse Wall; as manufactured by Everlast Climbing.
       1. Description: Magna surface.
       2. Wall Height: 6'-10" feet (2083 mm).

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

* + - * 1. Length: 20 feet (6096 mm).
        2. Length: \_\_\_\_\_.
        3. Panels: 4 foot x 6'-10" (1219 x 2083 mm) panels.
        4. Hand Holds:

100 WeeKidz Hand Holds - Red and Yellow.

10 Groperz Critterz Hand Holds.

* + - * 1. Cordless Mat Locking System and Safety Mat: 1 per panel.
      1. Additional Components:
         1. Foam letter and number magnets.
         2. Safety, care, and maintenance manual.
         3. Rules and guidelines sign.
         4. Activity guide.

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

* 1. HAND HOLDS

\*\* NOTE TO SPECIFIER \*\* Take you climbing wall to the next level with this ninja style challenge course. Three types of holds offer different challenge levels to help build upper-body strength. They can be intermixed throughout your climbing wall, used in their own sections or used along with foot holds to vary the challenge. Delete if not required.

* + 1. Challenge Course Hand Holds: Basis of Design: Ultimate Challenge Course; as manufactured by Everlast Climbing.

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

* + - 1. Hook Holds: Holds designed for a ring to hook over.
         1. Hook Hold Quantity: 6.
         2. Hook Hold Quantity: \_\_\_\_\_.
         3. Ring Quantity: 2.
         4. Ring Quantity: \_\_\_\_\_.
         5. Color: Yellow.
      2. Loop Holds: Loop with a stationary ring attached.
         1. Loop Quantity: 6.
         2. Loop Quantity: \_\_\_\_\_.
         3. Ring Quantity: 6.
         4. Ring Quantity: \_\_\_\_\_.
         5. Color: Blue.
      3. Peg Holds: Holds designed for a peg to be inserted.
         1. Peg Hold Quantity: 12.
         2. Peg Hold Quantity: \_\_\_\_\_.
         3. Peg Quantity: 2.
         4. Peg Quantity: \_\_\_\_\_.
         5. Color: Red.

\*\* NOTE TO SPECIFIER \*\* Climbers can climb over, under, around, and through plastic hoops with the Versa Challenge Course. Delete if not required.

* + 1. Challenge Course Hand Holds: Basis of Design: Versa Challenge Course; as manufactured by Everlast Climbing.

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

* + - 1. Hoop Holds: Specialized holds with clips for plastic hoops that can be positioned in any direction and angle.
         1. Quantity: 5.
         2. Quantity: 10.
         3. Quantity: \_\_\_\_\_.
      2. Hoops: Plastic hoops designed to clip to hoop holds.
         1. Quantity: 5.
         2. Quantity: 10.
         3. Quantity: \_\_\_\_\_.
      3. Includes hardware and activity guide.

\*\* NOTE TO SPECIFIER \*\* Beginner hand holds help beginners find success on the climbing wall. Delete if not required.

* + 1. Beginner Hand Holds: Basis of Design: Beginner Route Setting Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Large, easy to grab designs.

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

* + - 1. Set A: Set of 10 hand holds.
      2. Set B: Set of 10 hand holds.
      3. Set C: Set of 10 hand holds.
      4. Set D: Set of 10 hand holds.
      5. Color: Green.
      6. Includes mounting hardware and Allen wrench.

\*\* NOTE TO SPECIFIER \*\* Intermediate hand holds bring some challenge to the climbing wall beyond the beginner hand hold sets. Delete if not required.

* + 1. Intermediate Hand Holds: Basis of Design: Intermediate Route Setting Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Variety of medium size designs.

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

* + - 1. Set E: Set of 10 hand holds.
      2. Set F: Set of 10 hand holds.
      3. Set G: Set of 10 hand holds.
      4. Set H: Set of 10 hand holds.
      5. Color: Yellow.
      6. Includes mounting hardware and Allen wrench.

\*\* NOTE TO SPECIFIER \*\* Advanced hand holds help challenge more experienced climbers. Delete if not required.

* + 1. Advanced Hand Holds: Basis of Design: Advanced Route Setting Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Small to medium sizes and technical designs.

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

* + - 1. Set I: Set of 10 hand holds.
      2. Set J: Set of 10 hand holds.
      3. Set K: Set of 10 hand holds.
      4. Set L: Set of 10 hand holds.
      5. Color: Red.
      6. Includes mounting hardware and Allen wrench.

\*\* NOTE TO SPECIFIER \*\* These hand holds feature earth tones and look and feel like real rock, but were designed with comfort and use in mind. Delete if not required.

* + 1. Rock Realistic Hand Holds: Basis of Design: Groperz Rock Realistic Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Hand holds that look and feel like real rock.
       2. Level: Beginner to intermediate.

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

* + - 1. Set X: Set of 10 hand holds.
      2. Set Y: Set of 10 hand holds.
      3. Set Z: Set of 10 hand holds.
      4. Color: Brown.
      5. Includes mounting hardware and Allen wrench.

\*\* NOTE TO SPECIFIER \*\* These hand holds can be placed anywhere on the wall and are ideal for kid's climbing walls. Delete if not required.

* + 1. Alphabet Hand Holds: Basis of Design: Alphabet Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Hand holds in the shape of letters A to Z.

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

* + - 1. Attachment: Bolt on.
      2. Attachment: Screw on.
      3. Set of 26 hand holds.
      4. Color: Blue.

\*\* NOTE TO SPECIFIER \*\* These hand holds are designed to hold a ball during activities and games and can also be sued as a hand hold. Delete if not required.

* + 1. Ball Holder Hand Holds: Basis of Design: Ball Holder Hand Hold; as manufactured by Everlast Climbing.
       1. Description: Designed to hold a ball during climbing wall activities and can be used as hand hold.

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

* + - 1. Quantity: Single hand hold.
      2. Quantity: \_\_\_\_\_.
      3. Quantity: Set of 10 hand holds.
      4. Color: Blue.

\*\* NOTE TO SPECIFIER \*\* These bright yellow animal-shaped hand holds add variety and fun to the climbing experience. Delete if not required.

* + 1. Animal Shaped Hand Holds: Basis of Design: Critterz Hand Holds; as manufactured by Everlast Climbing.
       1. Description: Hand holds in animal shapes.
       2. Quantity: Set of 13 hand holds.
       3. Color: Yellow.

\*\* NOTE TO SPECIFIER \*\* Reinforce character education concepts with alphabet hand holds that spell out eight character traits. Delete if not required.

* + 1. Character Hand Holds: Basis of Design: Groperz Character Holds; as manufactured by Everlast Climbing.
       1. Description: Each set spells out four character concepts in individual letters.

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

* + - 1. Set 1: Caring - Responsibility - Honesty - Respect.
      2. Set 2: Courage - Diligence - Trust - Kindness.
      3. Colors: Red, Green, Blue, and Yellow.
      4. Includes mounting hardware

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

* 1. MAT LOCKING SYSTEM AND SAFETY MATS

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

* + 1. Cordless Mat Locking System: Hook and loop fastening system with security slider and lock.
       1. Two nylon-webbing loops attached to each mat.
       2. Security latch system attaches to wall.
       3. Two highly durable thermal plastic coated tabs attach to each mat and connect to base of the wall.
       4. Hook and loop fastening system with security slider and lock.
          1. Two nylon-webbing loops attached to each mat.
          2. Security latch system attaches to wall.
          3. Two highly durable thermal plastic-coated tabs attach to each mat and connect to base of the wall.
       5. Side Locks: Hook and loop flaps secure mats side-by-side. Locks each end of system to prevent climbing in between the mats and the closed climbing wall.
    2. Standard Mats: Basis of Design: Standard Mats; as manufactured by Everlast Climbing.
       1. Description: Polyethylene foam enclosed in an 18-ounce (0.51 kg) polyester-reinforced vinyl cover.
       2. Hook and loop fastening system with security slider and lock.
          1. Two nylon-webbing loops attached to each mat.
          2. Security latch system attaches to wall.
          3. Two highly durable thermal plastic-coated tabs attach to each mat and connect to base of the wall.
       3. Side Locks: Hook and loop flaps secure mats side-by-side. Locks each end of system to prevent climbing in between the mats and the closed climbing wall.
       4. Compliant with ASTM F2440 and ASTM F1292.

\*\* NOTE TO SPECIFIER \*\* Red and Royal Blue are standard colors, custom colors are available for an additional charge. Delete colors not required.

* + - 1. Color: Red.
      2. Color: Royal Blue.
      3. Color: Custom color, to be selected by Architect.
      4. Color: \_\_\_\_\_.

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

* + - 1. Thickness: 2 inches (51 mm).
      2. Thickness: 3 inches (76 mm).
    1. Fire Resistant Mats: Basis of Design: FR Mats; as manufactured by Everlast Climbing.
       1. Description: Polyethylene foam enclosed in an 18-ounce (0.51 kg) polyester-reinforced vinyl cover.
       2. Compliant with ASTM F2440 and ASTM F1292.
       3. Fire Resistance, ASTM E84: Class C.
       4. Hook and loop fastening system with security slider and lock.
          1. Two nylon-webbing loops attached to each mat.
          2. Security latch system attaches to wall.
          3. Two highly durable thermal plastic-coated tabs attach to each mat and connect to base of the wall.
       5. Side Locks: Hook and loop flaps secure mats side-by-side. Locks each end of system to prevent climbing in between the mats and the closed climbing wall.

\*\* NOTE TO SPECIFIER \*\* Red and Royal Blue are standard colors, custom colors are available for an additional charge. Delete colors not required.

* + - 1. Color: Red.
      2. Color: Royal Blue.
      3. Color: Custom color, to be selected by Architect.
      4. Color: \_\_\_\_\_.

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

* + - 1. Thickness: 2 inches (51 mm).
      2. Thickness: 3 inches (76 mm).
    1. Fire Retardant Mats: Basis of Design: Ultra FR Mats; as manufactured by Everlast Climbing.
       1. Description: Fire retardant foam enclosed in an 18-ounce (0.51 kg) polyester-reinforced vinyl cover.
       2. Compliant with ASTM F2440 and ASTM F1292.
       3. Fire Resistance: Compliant with NFPA 286.
       4. Hook and loop fastening system with security slider and lock.
          1. Two nylon-webbing loops attached to each mat.
          2. Security latch system attaches to wall.
          3. Two highly durable thermal plastic-coated tabs attach to each mat and connect to base of the wall.
       5. Side Locks: Hook and loop flaps secure mats side-by-side. Locks each end of system to prevent climbing in between the mats and the closed climbing wall.

\*\* NOTE TO SPECIFIER \*\* Red and Royal Blue are standard colors, custom colors are available for an additional charge. Delete colors not required.

* + - 1. Color: Red.
      2. Color: Royal Blue.
      3. Color: Custom color, to be selected by Architect.
      4. Color: \_\_\_\_\_.

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

* + - 1. Thickness: 2 inches (51 mm).
      2. Thickness: 3 inches (76 mm).

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

* 1. CLIMBING WALL ACCESSORIES

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

* + 1. Climbing Wall Challenge Course: Made of specially-designed hand holds and noodles to create an obstacle course on the climbing wall.
    2. Discovery Plates: Set of ten magnetic, dry-erase plates.
    3. Magna Flags: Red, yellow, and green activity flags that magnetically attach to bolt holes in hand holds.
    4. Outlet Frames: Surrounds outlets to make them aesthetic and functional parts of the climbing wall.

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

* 1. PHYSICAL EDUCATION EQUIPMENT

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

* + 1. Indoor Jungle Gym: Basis of Design: Safari Jungle Gym; as manufactured by Everlast Climbing.

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

* + - 1. Safari Circle Steppers: Five hanging discs create a balance challenge.
      2. Safari Monkey Bars: Indoor monkey bars that stow up and out of the way when not in use.
      3. Safari Plank Walk: A low ropes course element with hanging plank and adjacent hanging ropes for balance and travel.
      4. Safari Swing Steppers: Five swinging steps.
      5. Safari Wild Web: Indoor cargo net climbing element.
      6. Mat-Locking System provides a cushioned landing surface for participants and helps to close and prevent access when the Safari Jungle Gym is not being used and supervised.
      7. Must be installed on concrete masonry wall.

\*\* NOTE TO SPECIFIER \*\* Bring some excitement to programming with Ninja-style obstacle courses that are easy to set up in a variety of configurations. Delete if not required.

* + 1. Ninja Course: Basis of Design: Hijinx Ninja Course; as manufactured by Everlast Climbing.

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

* + - 1. Grades K-2 Hijinx Ninja Course:
         1. This beginner-level package helps develop balance, coordination and gross motor skills.
         2. Package includes 4 Slant Steps, 1 small Octagon, 1 medium Octagon, 3 Posts, 3 Balance Beams, 1 Crawl Tunnel, 6 Straight Poly Arrows, 6 Curved Poly Arrows and 10 Agility Rings.
      2. Grades 3-5 Hijinx Ninja Course:
         1. This package brings some additional challenge and excitement ideal for upper-elementary age children.
         2. Package includes 4 Slant Steps, 1 medium Octagon, 3 Posts, 3 Balance Beams, 2 Trapezoids, 6 Straight Poly Arrows, 6 Curved Poly Arrows, 10 Agility Rings and 10 Step Hurdles.
      3. Grades 6-8 Hijinx Ninja Course:
         1. This package keeps middle schoolers engaged, challenged, and having fun.
         2. Package includes 6 Slant Steps, 1 large Octagon, 1 Agility Ladder, 2 Posts, 1 River Log, 1 Trapezoid and 6 Step Hurdles.
      4. Grades 9-12 Hijinx Ninja Course:
         1. The most challenging course designed for high school students.
         2. Package includes 4 Slant Steps, 3 Plyo Box Steppers, 1 Pro Agility Pole Set, 4 Plyo Hurdles, 1 River Log, 1 Trapezoid and 4 BOSU Balance Trainers.

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

* + - 1. Flooring: Carpet-bonded foam.

\*\* NOTE TO SPECIFIER \*\* The different circuits incorporate fitness with fun and guarantee to engage and challenge kids of all ages. Delete if not required.

* + 1. Safari Ninja Course: Basis of Design: Safari Ninja Circuit; as manufactured by Everlast Climbing.

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

* + - 1. Small Safari Ninja Circuit:
         1. The Small Ninja Circuit Package is a great starter package.
         2. The Small Ninja Circuit Package includes two Single Rings, one Triple Ring, one Double Ring and a 7 foot (2134 mm) Knotted Rope with Disc.
      2. Medium Safari Ninja Circuit:
         1. This package offers an exciting mix of objects to challenge kids of all ages.
         2. Includes two Single Rings, one Triple Ring, two 18 inch (457 mm) Knotted Ropes and one Ladder.
      3. Large Safari Ninja Circuit:
         1. The Large Ninja Circuit Package includes different objects that offer an exciting challenge.
         2. Includes four Single Rings, one Triple Ring, four 18 inch (457 mm) Knotted Ropes and one 7 foot (2134 mm) Knotted Rope with Disc.

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

* 1. PREMIUM CLIMBING WALL SYSTEMS

\*\* NOTE TO SPECIFIER \*\* Bouldering and Top Rope walls with patent-pending features that enhance both the climbing and route setting experience. Delete if not required.

* + 1. Design and Performance Requirements:
       1. Compliant with CWA standards.
       2. Climbing wall shall be designed to suit the facility and meet the needs of the client as follows:
          1. Percentage of Less-than-Vertical to Vertical Surfaces: \_\_\_\_\_.
          2. Percentage of Minimally Overhung Surfaces: \_\_\_\_\_.
          3. Percentage of Moderately to Substantially Overhung Surfaces: \_\_\_\_\_.
    2. Description: Panelized, wood-based interior climbing wall system with texture and internal bolt-together truss assembly.
       1. Panels shall be compatible with modular, internal bolt-together truss assembly and shall allow for replacement of the climbing surface.
       2. All fasteners shall be behind the wall and not visible on climbing surface.
       3. Panel system must be able to contain multiple configurations such as overhangs, slabs, roofs and straight vertical sections.
       4. Steel support system shall be bolt-together, no on-site welding will be allowed.
    3. Panels: Basis of Design: Kumiki Bouldering Walls; as manufactured by Kumiki Climbing.
       1. Substrate: Baltic birch plywood panels.

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

* + - 1. Veneer Species: Maple.
      2. Veneer Species: Walnut.
      3. Veneer Species: \_\_\_\_\_\_.
      4. Finish: Durable clear finish.
      5. Frame: Structural steel with Kumiki Climbing panel connectors.
      6. Height: As indicated on Drawings.
      7. Height: \_\_\_\_\_.
      8. Configuration: As indicated on Drawings.
      9. Finish: Clear.

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

* + 1. Climbing Wall Returns: Return to the facility walls and conceal the interior structure of the climbing wall and restrict access behind the climbing wall.
    2. Equipment:

\*\* NOTE TO SPECIFIER \*\* Delete options not required. Lead Routes are for rope climbing wall.

* + - 1. Lead Routes:
         1. First anchor installed 10 feet (3048 mm) above ground level
         2. Subsequent anchors spaced approximately every 4 feet (1219 mm) vertically.
      2. Climbing Rope: Dynamic ropes, 1 per climbing route.
      3. Climbing Harnesses: 2 per climbing route.
      4. Belay Devices: Auto locking or manual tube belay device chosen during the pre-design discussions.
      5. Quick Draws: Fixe or equivalent, foreach lead anchor.
      6. Auto-Belay System: Trublue.
      7. Auto-locking carabiners.

\*\* NOTE TO SPECIFIER \*\* Bouldering and Top Rope landing surface. Customized flooring for your climbing gym. Delete flooring options not required.

* + 1. Flooring, Carpet Bonded: Basis of Design: Carpet-Bonded Foam Flooring; as manufactured by Kumiki Climbing.
       1. Description: Carpet-bonded foam with integral hook and loop connection.
       2. Layers:
          1. Bottom Layer: 2 inches (51 mm) closed-cell foam.
          2. Mid Layer: 8 inches (203 mm) open-cell foam.
          3. Top Layer: 1-3/8 inches (35 mm) carpet-bonded foam.
       3. Seams: Edges glued together for a uniform fall zone.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Color: As selected by Architect from Manufacturer's full range.
      2. Color: As indicated on Drawings.
      3. Color: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete vapor barrier options not required.

* + - 1. Vapor Barrier: Manufacturer's standard.
      2. Vapor Barrier: As indicated on Drawings.
      3. Vapor Barrier: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Built-in seating is optional. Delete if not required.

* + - 1. Built-In Seating: As indicated on Drawings.
      2. Built-In Seating: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete edging options not required.

* + - 1. Edging: Hard curb.
      2. Edging: Soft curb.
      3. Edging: Ramp.
      4. Edging: Squared-off sides.
      5. Edging: \_\_\_\_\_\_.
    1. Flooring, Cordura: Basis of Design: Cordura Flooring; as manufactured by Kumiki Climbing.
       1. Description: Multi-layer foam with Cordura finish surface.
       2. Foam Layers:
          1. Bottom Layer: 2 inches (51 mm) closed-cell foam.
          2. Mid Layer: 6 inches (152 mm) open-cell foam.
          3. Top Layer: 6 inches (152 mm) open-cell foam.
       3. Seams: Edges glued together for a uniform fall zone.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Color: As selected by Architect from Manufacturer's full range.
      2. Color: As indicated on Drawings.
      3. Color: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete vapor barrier options not required.

* + - 1. Vapor Barrier: Manufacturer's standard.
      2. Vapor Barrier: As indicated on Drawings.
      3. Vapor Barrier: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Built-in seating is optional. Delete if not required.

* + - 1. Built-In Seating: As indicated on Drawings.
      2. Built-In Seating: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete edging options not required.

* + - 1. Edging: Hard curb.
      2. Edging: Soft curb.
      3. Edging: Ramp.
      4. Edging: Squared-off sides.
      5. Edging: \_\_\_\_\_\_.
    1. Flooring, Vinyl Basis of Design: Vinyl Flooring; as manufactured by Kumiki Climbing.
       1. Description: Multi-layer foam with vinyl finish surface.
       2. Foam Layers:
          1. Bottom Layer: 2 inches (51 mm) closed-cell foam.
          2. Mid Layer: 6 inches (152 mm) open-cell foam.
          3. Top Layer: 6 inches (152 mm) open-cell foam.
       3. Seams: Edges glued together for a uniform fall zone.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Color: As selected by Architect from Manufacturer's full range.
      2. Color: As indicated on Drawings.
      3. Color: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete vapor barrier options not required.

* + - 1. Vapor Barrier: Manufacturer's standard.
      2. Vapor Barrier: As indicated on Drawings.
      3. Vapor Barrier: \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Built-in seating is optional. Delete if not required.

* + - 1. Built-In Seating: As indicated on Drawings.
      2. Built-In Seating: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete edging options not required.

* + - 1. Edging: Hard curb.
      2. Edging: Soft curb.
      3. Edging: Ramp.
      4. Edging: Squared-off sides.
      5. Edging: \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Kumiki Climbing hand holds give route-setters the best arsenal for creating routes. Our dual texture is far more than fashion. The no-texture edge forces climbers to be precise with not just the hands but also the feet as they move from hold to hold. Use the shapes individually or together to create challenging routes. Delete if not required.

* + 1. Holds: Basis of Design: Kumiki Holds; as manufactured by Kumiki Climbing.

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

* + - 1. Hold Set: Pies Small.
      2. Hold Set: Pies Medium.
      3. Hold Set: Pies Large.
      4. Hold Set: Flow Ledges.
      5. Hold Set: Flow Pinches.
      6. Hold Set: Flow Shadowless Screw Ons, Small Set.
      7. Hold Set: Flow Butter Flys Screw Ons.
      8. Hold Set: Flow Youth D Pinches.
      9. Hold Set: Flow Frequent Flyer Screw Ons.
      10. Hold Set: Flow Shadowless Screw Ons, Large Set.
      11. Hold Set: Puzzles, SM.
      12. Hold Set: Puzzles, MD.
      13. Hold Set: Puzzles, LG.
      14. Hold Set: Puzzles, XL.
    1. Handhold T-Nut Density: 4 handhold fasteners per every square foot of climbing wall surface area.

\*\* NOTE TO SPECIFIER \*\* We started Kumiki with one main goal- to provide the best tools for route setters. In our opinion, there are few more impactful tools than volumes. We've put over 10 years of building, setting and designing experience into our volume line to bring you the simplest yet dynamic shapes possible. Use the shapes individually or together to create challenging routes. The attention to detail is what makes our volumes the best- clean, simple designs and the most amazing volume texture you'll find anywhere. Delete if not required.

* + 1. Volumes: Basis of Design: Kumiki Volumes; as manufactured by Kumiki Climbing.

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

* + - 1. Volume: Bowtie Small.
      2. Volume: Bowtie Medium.
      3. Volume: Bowtie Large.
      4. Volume: Diamond Small.
      5. Volume: Diamond Medium.
      6. Volume: Diamond Large.
      7. Volume: Lightning Bolt Small.
      8. Volume: Lightning Bolt Medium.
      9. Volume: Lightning Bolt Large.
      10. Volume: Stacked Triangle Small.
      11. Volume: Stacked Triangle Medium.
      12. Volume: Stacked Triangle Large.
      13. Volume: Stacked Triangle Set.
      14. Volume: Equal Triangle Medium.
      15. Volume: Equal Triangle Large.
      16. Volume: Rail Triangle Pointed.
      17. Volume: Rail Triangle.
      18. Volume: Tilted Triangle Pointed.
      19. Volume: Tilted Triangle Rail.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until 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.
      2. Completed wall shall comply with specified tolerances.
   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.

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

* 1. TRAINING
     1. Provide full day training session for the facility operations staff, following the climbing wall installation. Training shall cover the following topics:
        1. Climbing wall maintenance and periodic inspections.
        2. Route-setting methods and management.
        3. Sample handhold installation and removal.
  2. 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