SECTION 06 05 23

WOOD, PLASTIC, COMPOSITE, AND STEEL CONSTRUCTION FASTENERS

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\*\* NOTE TO SPECIFIER \*\* Lakeside Construction Fasteners; Construction Fasteners and Pipe Flashings.  
This section is based on the products of Lakeside Construction Fasteners, which is located at:6476 Hwy. 135 N.Paragould, AR 72450Toll Free Tel: 800-537-4160Tel: 870-586-0703Fax: 870-586-0643Email: [request info (sales@lakeside-fasteners.com)](https://arcat.com/rfi?action=email&company=Lakeside%252BConstruction%252BFasteners&message=RE%253A%2520Spec%2520Question%2520(06052lcf)%253A%2520&coid=49581&spec=06052lcf&rep=&fax=870-586-0643)  
Web: <https://lakeside-fasteners.com>   
 [ [Click Here](https://arcat.com/company/lakeside-construction-fasteners-49581) ] for additional information.  
Lakeside Construction Fasteners, Inc. is a U.S. owned and operated, FULL SERVICE, International Fastener Supplier and Manufacturing company offering a vast array of construction fasteners, pipe flashing and foam alternative solutions. From Total Supply Chain Management to Total Project Management coupled with U.S. based warehousing and sourcing of product from the Pacific Rim - Lakeside will provide a custom construction screw or pipe flashing solution for your organization.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Fasteners: Self tappers.
    2. Fasteners: Self drillers.
  1. RELATED SECTIONS

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

* + 1. Section 06 05 00 - Common Work Results for Wood, Plastics, and Composites.
    2. Section 06 05 05 - Selective Demolition for Wood, Plastics, and Composites.
    3. Section 06 08 00 - Commissioning of Wood, Plastics, and Composites.
    4. Section 06 10 00 - Rough Carpentry.
    5. Section 06 15 00 - Wood Decking.
    6. Section 06 60 00 - Plastic Fabrications.
    7. Section 06 80 00 - Composite Fabrications.
    8. Section 07 72 50 - Roofing Fasteners.
  1. 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.

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

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
    2. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum 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.

* + 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. 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.
  2. 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.
  3. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Lakeside Construction Fasteners, which is located at:6476 Hwy. 135 N.Paragould, AR 72450Toll Free Tel: 800-537-4160Tel: 870-586-0703Fax: 870-586-0643Email: [request info (sales@lakeside-fasteners.com)](https://arcat.com/rfi?action=email&company=Lakeside%252BConstruction%252BFasteners&message=RE%253A%2520Spec%2520Question%2520(06052lcf)%253A%2520&coid=49581&spec=06052lcf&rep=&fax=870-586-0643);Web: <https://lakeside-fasteners.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 article not required or delete fastener options not required.

* 1. FASTENERS: SELF TAPPERS

\*\* NOTE TO SPECIFIER \*\* The T17 FASTLOK™ by Lakeside Construction Fasteners allows for metal panels to be stitched and secured in-place to prevent separation! With the deep major thread design the T17 FASTLOK™ will help bond metal panels together to resist panel separation when utilizing the T17 FASTLOK™ as a stitch fastener. T17 FASTLOK™ is a great affordable solution to help prevent panel overlapping gaps.

* + 1. Fastener T17 Fastlok: A deep major thread design helps bond metal panels together to resist panel separation when utilizing it as a stitch fastener.
       1. T17 cut point for quick panel penetration.
       2. Fastener Dia.: No. 12.

\*\* NOTE TO SPECIFIER \*\* Delete head size, finish, and length options not required.

* + - 1. Head Size: 1/4 inch (6 mm).
      2. Head Size: 5/16 inch (8 mm).
      3. Threads: 14 per inch (14 per 25 mm). Engineered thread design to lock panels in-place.
      4. Material: C1022.
      5. Washer, Positive Seal: EPDM.
      6. Finish: Coating System. L3 Dura Protec.
      7. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      8. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.
      9. Length: 3/4 inch (19 mm).
      10. Length: 1 inch (25 mm).
      11. Length: 1/2 inch (13 mm).
      12. Pullout Test Values:
          1. Plywood 1/2 inch (13 mm). 400 lbs (181.44 kg).
          2. Plywood 5/8 inch (16 mm). 600 lbs (272.16 kg).
          3. Plywood 3/4 inch (19 mm). 700 lbs (317 51 kg).
          4. OSB: 7/16 inch (11 mm). 315 lbs (142.88 kg).
          5. Southern Pine: 1 inch (25 mm). 1060 lbs (480.81 kg).
          6. Southern Pine: 1-1/2 inch (38 mm). 1500 lbs (680.39 kg).

\*\* NOTE TO SPECIFIER \*\* Lakeside Construction Fasteners offer a full line of innovative wood fasteners for post frame and residential applications. The T17 WOOD-X™ is designed for all types of decking substrate materials including hard woods. The engineered T17 WOOD-X™ high-low threads along with the sharp cut point allows the fastener to quickly penetrate the metal panel for easier fastener installation!

* + 1. Fastener T17 WOOD-X System: Wood fasteners for post frame and residential applications. For all types of decking substrate materials including hard woods. High-low threads along with the sharp cut point allows the fastener to quickly penetrate the metal panel for easier fastener installation.
       1. Miami Dade County Approved.
       2. H-LOW threads for Speed of Installation.
       3. T17 point for High Performance.
       4. Engineered head flute resists High Torque Environments.
       5. Innovative L3 Dura Protec coating to prevent Red Rust.
       6. EPDM washer for a Positive Seal.
       7. Fastener Dia.: No. 10.
       8. Head Size: 1/4 inch (6 mm).
       9. Threads: 14. Reinforced Flute under fastener head H-Low Threads
          1. Reinforced Flute: Located under the head of the fastener.

Engineered and reinforced for high torque environments.

Can be used with battery operated screw guns and Impact Screw Guns.

* + - 1. Material: C1022.
      2. Washer, Positive Seal: EPDM.

\*\* NOTE TO SPECIFIER \*\* Delete finish, and length options not required.

* + - 1. Finish: Coating System. L3 Dura Protec.
      2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      3. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.
      4. Length: 1-1/2 inch (38 mm).
      5. Length: 2 inch (51 mm).
      6. Length: 2-1/2 inch (64 mm).
      7. Length: 3 inch (76 mm) (76 mm).
      8. Length: 4 inch (102 mm).
      9. Pullout Test Values:
         1. Plywood 1/2 inch (13 mm). 425 lbs (192.78 kg).
         2. Plywood 5/8 inch (16 mm). 600 lbs (272.16 kg).
         3. Plywood 3/4 inch (19 mm). 725 lbs (328.85 kg).
         4. OSB: 7/16 inch (11 mm). 325 lbs (147.42 kg).
         5. Southern Pine: 1 inch (25 mm). 735 lbs (333.39 kg).
         6. Southern Pine: 1-1/2 inch (38 mm). 1205 lbs (546.58 kg).
    1. Fastener 304 Wood-X Stainless with Washer.
    2. Fastener 410 Wood-X Stainless with Washer.
       1. Miami Dade County Listed.
       2. Fastener Dia.: No. 10.
       3. Head Size: 1/4 inch (6 mm).

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

* + - 1. Length: 2 inches (51 mm mm).
      2. Length: 2-1/2 inches (64 mm).
    1. Fastener 410 Wood-X Stainless without Washer.
       1. Miami Dade County Listed.
       2. Fastener Dia.: No. 10.
       3. Head Size: 1/4 inch (6 mm).

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

* + - 1. Length: 2 inches (51 mm mm).
      2. Length: 2-1/2 inches (64 mm).

\*\* NOTE TO SPECIFIER \*\* Lakeside Construction Fasteners, FULL SERVICE USA owned company offers a vast product line of fastener & foam alternative solutions. The new high-strength COR-10 WOOD-XTM (#10 x 1 to 3 inch) is engineered to secure corten metal panels into hardwood decking substrates, offers a sealed protective barrier, and pre-weathered for exact corten metal panel color match. No more waiting for your fasteners to be painted or weathered to match corten metal panels. The low maintenance COR-10 WOOD-XTM high-low threads and sharp T-17 cut point allows the fastener to quickly penetrate the corten metal panel for low cost installation.

* + 1. Fastener COR10 Wood-X: No. 10 x 1 to 3 inches (25 to 76 mm) long, Engineered to secure corten metal panels into hardwood decking substrates. Offers a sealed protective barrier, and pre-weathered for exact corten metal panel color match.
       1. H-LOW threads for Speed of Installation.
       2. T17 Cut point for High Performance.
       3. Engineered head flute resists High Torque Environments.
       4. EPDM positive seal washer.

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

* + - 1. Finish: Pre-weathered for exact corten metal panel color match.
      2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* T17 MASTERGRIP™ offers contractors and building roll formers a solution for many high wind environments. With the deep major thread design the T17 MASTERGRIP™ provided by Lakeside Construction Fasteners allows the fastener to be embedded in all wood substrates for maximum pull-out! T17 MASTERGRIP™ will secure the metal panel to the wood structure to help prevent panel pullover and shear in the most extreme high wind conditions.

* + 1. Fastener T17 MasterGrip: For high wind environments. A deep major thread design allows the fastener to be embedded in all wood substrates for maximum pull-out. Will secure the metal panel to the wood structure to help prevent panel pullover and shear in the most extreme high wind conditions.
       1. T17 cut point for quick Panel Penetration.
       2. Engineered head design for High Shear Environments.
       3. Innovative L3 Dura Protec coating to Prevent Red Rust.
       4. Fastener Dia.: No. 14.
       5. Head Size: 5/16 inch (8 mm).
       6. Threads: 10. Special major thread design for High Pull-out.
       7. Material: C1022.
       8. Washer, Positive Seal: EPDM.

\*\* NOTE TO SPECIFIER \*\* Delete finish, and length options not required.

* + - 1. Finish: Coating System. L3 Dura Protec.
      2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      3. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.
      4. Length: 1 inch (25 mm).
      5. Length: 1-1/2 inch (38 mm).
      6. Length: 2 inch (51 mm).
      7. Length: 2-1/2 inch (64 mm).
      8. Length: 3 inch (76 mm).
      9. Length: 4 inch (102 mm).
      10. Pullout Test Values:
          1. Plywood 1/2 inch (13 mm). 425 lbs (192.78 kg).
          2. Plywood 5/8 inch (16 mm). 700 lbs (317 51 kg).
          3. Plywood 3/4 inch (19 mm). 900 lbs (408.23 kg).
          4. OSB: 7/16 inch (11 mm). 350 lbs (138 kg).
          5. Southern Pine: 1 inch (25 mm). 825 lbs (374.2 kg).
          6. Southern Pine: 1-1/2 inch (38 mm). 1200 lbs (544.31 kg).

\*\* NOTE TO SPECIFIER \*\* T17 MASTERGRIP™ offers contractors and building roll formers a solution for many high wind environments. With the deep major thread design the T17 MASTERGRIP™ provided by Lakeside Construction Fasteners allows the fastener to be embedded in all wood substrates for maximum pull-out! T17 MASTERGRIP™ will secure the metal panel to the wood structure to help prevent panel pullover and shear in the most extreme high wind conditions.

* + 1. Fastener T17 MasterGrip XL.
       1. Dia.: No. 14 or No. 1/4 inch (6 mm).
       2. Head Size: 3/8 inch (10 mm).

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

* + - 1. Length: 2 inch (51 mm).
      2. Length: 2-1/2 inch (64 mm).
      3. Length: 3 inch (76 mm).
      4. Length: 4 inch (102 mm).
      5. Washer: 3/4 inches (19 mm) Flat Bond.
      6. Washer: 1 inch (25 mm) Flat Bond.
      7. Washer: 1 inch (25 mm) Multi-Seal.
    1. Fastener 410 MasterGrip Stainless.

\*\* NOTE TO SPECIFIER \*\* SC Steel Guard™ is engineered and designed for high torque applications. With quality a key focus for Lakeside Construction Fasteners the SC Steel Guard™ can be used with all battery operated and impact screw guns! The SC Steel Guard™ stainless steel fastener head will not Red Rust for the life of the metal panel! SC Steel Guard™ is the Long-Life fastener of choice by contractors against corrosion.

* + 1. Fastener SC Steel Guard: Concealed weather-tite EPDM washer. Engineered and designed for high torque applications.
       1. Fastener Dia.: No. 10.
       2. Head Size: 1/4 inch (6 mm). Fastener Head will not Red Rust.
       3. Threads: 14 per inch. H-Low Threads.
       4. Material: C1022.
       5. Washer, Positive Seal: Tubular EPDM.

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

* + - 1. Finish: Coating System. L3 Dura Protec.
      2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      3. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.
      4. Length: 1-1/2 inch (38 mm).
      5. Length: 2 inch (51 mm).
      6. Length: 2-1/2 inch (64 mm).
      7. Length: 3 inch (76 mm).
      8. Length: 4 inch (102 mm).
      9. Pullout Test Values:
         1. Plywood 1/2 inch (13 mm). 450 lbs (204.12 kg).
         2. Plywood 5/8 inch (16 mm). 600 lbs (272.16 kg).
         3. Plywood 3/4 inch (19 mm). 750 lbs (340.19 kg).
         4. OSB: 7/16 inch (11 mm). 350 lbs (138 kg).
         5. Southern Pine: 1 inch (25 mm). 805 lbs (365.14 kg).
         6. Southern Pine: 1-1/2 inch (38 mm). 1250 lbs (567 kg).
    1. Fastener Pro Cliplok XL.
    2. Fastener Pro Cliplok:

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

* + - 1. Head Type: Pancake Wood Screws.

\*\* NOTE TO SPECIFIER \*\* Delete threads, length, material, and drive options not required.

* + - * 1. Threads: 12 per inch.
        2. Threads Self Drilling: 16 per inch.
        3. Reinforced Flute Cut Point: Type-17, Self-Driller No. 3.
        4. Length: 1 inch (25 mm).
        5. Length: 1-1/2 inch (38 mm).
        6. Length: 2 inch (51 mm).
        7. Material C1022.
        8. Material: Stainless steel.
        9. Drive: No. 2 Phillip Combo Drive.
        10. Drive: No. 2 Square Drive,
      1. Head Type: Wafers/X-treme Lo Wood Screws:

\*\* NOTE TO SPECIFIER \*\* Delete threads, length, material, and drive options not required.

* + - * 1. Threads: 12 per inch.
        2. Threads Self Drilling: 16 per in.
        3. Pierce Point, Self-Driller No. 3.
        4. Length: 1 inch (25 mm).
        5. Length: 1-1/2 inch (38 mm).
        6. Length: 2 inch (51 mm).
        7. Material C1022.
        8. Material: Stainless steel.
        9. Drive: No. 2 Phillip Combo Drive.
        10. Drive: No. 2 Square Drive,
      1. Head Type: Button Truss/Lath:
         1. Threads: 14 threads per inch.
         2. H-Low Threads
         3. Cut Point: Type-17

\*\* NOTE TO SPECIFIER \*\* Delete, length and material options not required.

* + - * 1. Length: 1 inch (25 mm).
        2. Length: 1-1/2 inch (38 mm).
        3. Length: 2 inch (51 mm).
        4. Material C1022.
        5. Material: Stainless steel.
        6. Drive: No. 2 Phillip Combo Drive.
      1. Pullout Test Values: Self Tapping:
         1. Plywood 1/2 inch (13 mm). 425 lbs (192.78 kg).
         2. Plywood 5/8 inch (16 mm). 600 lbs (272.16 kg).
         3. Plywood 3/4 inch (19 mm). 725 lbs (328.85 kg).
         4. OSB: 7/16 inch (11 mm). 325 lbs (147.42 kg).
         5. Southern Pine: 1 inch (25 mm). 735 lbs (333.39 kg).
         6. Southern Pine: 1-1/2 inch (38 mm). 1205 lbs (546.58 kg).
      2. Pullout Test Values: Self Drilling:
         1. 12 ga: 1679 lbs (761.58 kg).
         2. 14 ga: 1107 lbs (502.13 kg).
         3. 16 ga: 932 lbs (422.75 kg).

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

* + - 1. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      2. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Lakeside Construction Fasteners offer a full line of innovative wood fasteners for post frame, gutter, HVAC, and residential applications. The 8 Z-Stitch is designed for all types of stitching applications from metal panels to gutter strapping. The engineered #8 Z-Stitch coarse threads along with the sharp cut point allows the fastener to quickly penetrate metal for easier fastener installation.

* + 1. Fastener 8Z-Stitch: A full line of wood fasteners for post frame, gutter, HVAC, and residential applications. Designed for all types of stitching applications from metal panels to gutter strapping. Coarse threads with the sharp cut point allows the fasteners to quickly penetrate metal for easier fastener installation.
       1. True 1/4 HWH for Positive Drive Engagement.
       2. Thread under head of fastener for Maximum Stitching Power.
       3. Fastener Dia.: No. 8.
       4. Head Size: 1/4 inch (6 mm).
       5. Threads: 10 per inch. Stitch thread.
       6. Innovation: Engineered True 1/4 HWH.
       7. Cut Point: Type-17.
       8. Material: C1022.

\*\* NOTE TO SPECIFIER \*\* 1/2 inch (13 mm) painted has 30 Color options. 3/4 inch (19 mm) are painted black only. Delete length not required.

* + - 1. Length: 1/2 inch (13 mm).
         1. Finish: Coating System. L3 Dura Protec.
         2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      2. Length: 3/4 inch (19 mm).
         1. Finish: Coating System. L3 Dura Protec.
         2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      3. Pullout Test Values:
         1. Plywood 1/4 inch (6 mm). 200 lbs (90.72 kg).
         2. Plywood 1/2 inch (13 mm). 250 lbs (113.40 kg).
         3. Plywood 3/4 inch (19 mm). 350 lbs (138 kg).
         4. OSB: 1/4 inch (6 mm). 300 lbs (136.08 kg).
         5. Steel Plate: 14 ga. 500 lbs (26.80 kg).
         6. Steel Plate: 20 ga. 450 lbs (204.12 kg).

\*\* NOTE TO SPECIFIER \*\* ZMAXTM alloy head fasteners are engineered and developed for high corrosion applications. ZMAXTM offers a larger outer head diameter to prevent wind uplift and suitable in high snow load regions. Ideal for coastal environments, preventing Red Rust on fastener heads once installed into metal building systems. ZMAXTM is the Forged Long-Life fastener of choice by contractors and builders.

* + 1. Fastener Zmax: Alloy head fasteners are engineered and developed for high corrosion applications. A larger outer head diameter to prevent wind uplift and suitable in high snow load regions. Ideal for coastal environments, preventing Red Rust on fastener heads once installed into metal building systems.
       1. T17 cut point for quick Panel Penetration.
       2. Fastener Dia.: No. 10.
       3. Head Size: 5/16 inch (8 mm). Will not red rust.
       4. Threads: 14 per inch. Special major thread design for High Pull-out.
       5. HWH: ZAMAK forged alloy head.
       6. Material: C1022.
       7. Washer, Positive Seal: Tubular EPDM.

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

* + - 1. Finish: Coating System. L3 Dura Protec.
      2. Finish: Painted. Color: \_\_\_\_\_\_\_\_.
      3. Finish: Powder Coated. Color: \_\_\_\_\_\_\_\_.
      4. Length: 1 inch (25 mm).
      5. Length: 1-1/2 inch (38 mm).
      6. Length: 2 inch (51 mm).
      7. Length: 2-1/2 inch (64 mm).
      8. Length: 3 inch (76 mm).
      9. Pullout Test Values:
         1. Plywood 1/2 inch (13 mm). 450 lbs (204.12 kg).
         2. Plywood 5/8 inch (16 mm). 600 lbs (272.16 kg).
         3. Plywood 3/4 inch (19 mm). 750 lbs (340.19 kg).
         4. OSB: 7/16 inch (11 mm). 350 lbs (138 kg).
         5. Southern Pine: 1 inch (25 mm). 805 lbs (365.14 kg).
         6. Southern Pine: 1-1/2 inch (38 mm). 1250 lbs (567 kg).

\*\* NOTE TO SPECIFIER \*\* Delete article not required or delete fastener options not required.

* 1. FASTENERS: SELF DRILLERS

\*\* NOTE TO SPECIFIER \*\* SD Pro-Tek™ self-drilling fastener is developed for metal-to-metal building applications. The innovative SD Pro-Tek™ with a larger head diameter limits wind uplift, and the concealed EPDM tubular washer system allows for a weather-tite seal. The engineered flat surface area on the SD Pro-Tek™ also provides positive nutsetter engagement, preventing wobble during fastener install. Deep root cut threads give the SD Pro-Tek™ Maximum Holding Power when installed into metal building panels!

* + 1. Fastener SD Pro-Tek Self-Drilling. For metal-to-metal building applications. A larger head diameter limits wind uplift, and the concealed EPDM tubular washer system allows for a weather-tite seal. The engineered flat surface area on the fastener provides positive nutsetter engagement, preventing wobble during fastener install. Deep root cut threads give maximum holding power when installed into metal building panels.
       1. Fastener Dia: No. 12.
       2. Head Size: 5/16 inch (8 mm).
       3. Threads: 14 per inch.
       4. Innovation: Self Driller Point and Cut Threads.
       5. SD Point: SD1 and SD3.
       6. HWH: Low Profile Head.
       7. Material: C1022.
       8. Washer: EPDM Tubular. Available without washer upon request.
       9. Coating System: L3 Dura Protec.

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

* + - 1. Length: 3/4 inch (19 mm). Stitch.
      2. Length: 7/8 inch (22 mm). Lap.
      3. Length: 1 inch (25 mm). Stitch.
      4. Length: 1-1/4 inch (32 mm). Lap.
      5. Length: 1-1/2 inch (38 mm). Stitch.
      6. Length: 2 inch (51 mm). Lap.
      7. Finish: Wet paint.
      8. Finish: Powder coat.

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

* + - 1. Fastener: Pro-Tek 12-14:
         1. Pull-Out Test Values:

12 ga: 1679 lbs (761.58 kg).

14 ga: 1107 lbs (502.13 kg).

16 ga: 932 lbs (422.75 kg).

* + - * 1. Fastener System Values:

Torsional: 115 inch lbs (13 Nm).

Shear: 2235 lbs (103.78 kg).

Tensile: 3300 lbs (1496.85 kg).

* + - 1. Fastener: Pro-Tek 1/4-14:
         1. Pull-Out Test Values:

12 ga.: 1269 lbs (575.61 kg).

14 ga.: 1050 lbs (476.27 kg).

16 ga.: 683 lbs (309.80 kg).

* + - * 1. Fastener System Values:

Torsional: 160 inch lbs (18.08 Nm).

Shear: 2755 lbs (1249.65 kg).

Tensile: 3915 lbs (1775.81 kg).

\*\* NOTE TO SPECIFIER \*\* Lakeside Construction Fasteners offer a full line of innovative self-drilling fasteners for steel frame and industrial applications. The SD3 Steel-XTM is designed for all types of metal decking substrate material. The engineered SD3 Steel-XTM threads along with the self-drill point allows the fastener to quickly penetrate the metal panel for easier fastener installation and no metal curls.

* + 1. Fastener SD3 Steel-X. A full line of innovative self-drilling fasteners for steel frame and industrial applications for all types of metal decking substrate material. A self-drill point allows fasteners to quickly penetrate metal panels for easier fastener installation and no metal curls.
       1. Penetrates 10 Ga., 12 Ga. and 14 Ga. Steel.
       2. Innovative L3 Dura Protec Coating prevents Red Rust.
       3. EPDM Flat Bonded Washer Promoting a Weather-Tite Seal.
       4. Hardened Tap Threads Reduces Torque.
       5. Innovative HEX Head Design prevents wobble with LCF Quick Drill Technologies.
       6. Fastener Dia.: No. 12.
       7. Head Size: 5/16 inch (8 mm).
       8. Threads: 14 per inch.
       9. Innovation: Penetrates 10 Ga., 12 Ga. and 14 Ga. Steel.
       10. Cut Point: True Self Driller No. 3.
       11. Material: C1022.

\*\* NOTE TO SPECIFIER \*\* Available without washer upon request.

* + - 1. Washer: EPDM, Flat Bonded.

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

* + - 1. Length: 3/4 inch (19 mm). Stitch.
      2. Length: 1 inch (25 mm). Stitch.
      3. Length: 1-1/4 inch (32 mm). Stitch.
      4. Length: 1-1/2 inch (38 mm). Stitch.
      5. Length: 2 inch (51 mm). Stitch.
      6. Length: 2-1/2 inch (64 mm). Stitch.
      7. Length: 3 inch (76 mm). Stitch.
      8. Finish: Coating System. L3 Dura Protec.
      9. Finish: Wet paint.
      10. Finish: Powder coat.
      11. Color: \_\_\_\_\_\_\_\_.
      12. Pull-Out Test Values:
          1. 12 ga.: 2020 lbs (916.26 kg).
          2. 14 ga.: 1300 lbs (589.67 kg).
          3. 16 ga.: 1000 lbs (453.59 kg).
          4. 20 ga,: 525 lbs (238.14 kg).
      13. Fastener System Values:
          1. Torsional: 152 inch lbs (17.17 Nm).
          2. Shear: 2150 lbs (975.22 kg).
          3. Tensile: 3105 lbs (1408.40 kg).
    1. Fastener 410 Steel-X Stainless Self Drillers.

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

* + - 1. Length: 1 inch (25 mm). With Washer.
      2. Length: 1-1/2 inch (38 mm). With Washer.
    1. Fastener Pro Cliplok:

\*\* NOTE TO SPECIFIER \*\* Delete fastener type option not required.

* + - 1. Type: Self-Drilling Fasteners:
         1. Pull Out Values:

12 ga: 1679 lbs (761.58 kg).

14 ga: 1107 lbs (502.13 kg).

16 ga: 932 lbs (422.75 kg).

Torsional: 115 in lbs.

Shear: 2235 lbs (103.78 kg).

Tensile: 3300 lbs (1496.85 kg).

\*\* NOTE TO SPECIFIER \*\* Delete dead type option not required.

* + - * 1. Head Type: Pancake Self-Driller.

Threads: 12 per inch.

SD3: 16 per inch.

Flute: Reinforced.

Cut Point: Type-17 / Self-Driller No. 3.

\*\* NOTE TO SPECIFIER \*\* Delete drive, material and length options not required.

Drive: No. 2 Phillips Combo.

Drive: No. 2 Square.

Material: C1022.

Material: Stainless steel.

Length: 1 inch (25 mm).

Length: 1-1/2 inch (38 mm).

Length: 2 inch (51 mm).

* + - * 1. Head Type: Wafers/X-treme Lp Self-Driller.

Threads: 12 per inch.

SD3: 16 per inch.

Flute: Reinforced.

Cut Point: Pierce Point / Self-Driller No. 3.

\*\* NOTE TO SPECIFIER \*\* Delete drive, material and length options not required.

Drive: No. 2 Phillips Combo.

Drive: No. 2 Square.

Material: C1022.

Material: Stainless steel.

Length: 1 inch (25 mm).

Length: 1-1/2 inch (38 mm).

Length: 2 inch (51 mm).

* + - 1. Type: Self-Tapping Fasteners.
         1. Pull Out Values:

Plywood, 1/2 inch (13 mm): 425 lbs (192.78 kg).

Plywood, 5/8 inch (16 mm): 600 lbs (272.16 kg).

Plywood, 3/4 inch (19 mm): 725 lbs (328.85 kg).

OSB, 7/16 inch (11 mm): 325 lbs (147.42 kg).

Southern Pine, 1 inch (25 mm): 735 lbs (333.39 kg).

Southern Pine, 1-1/2 inch (38 mm): 1205 lbs (546.58 kg).

Torsional: 70 in lbs (7.91 Nm).

Shear: 1900 lbs (408.23 kg) (861.82 kg).

Tensile: 2300 lbs (1045.26 kg).

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

* + - * 1. Head Type: Pancake Self-Tappers.

Threads: 12 per inch.

SD3: 16 per inch.

Flute: Reinforced.

Cut Point: Type-17 / Self-Driller No. 3.

\*\* NOTE TO SPECIFIER \*\* Delete drive, material and length options not required.

Drive: No. 2 Phillips Combo.

Drive: No. 2 Square.

Material: C1022.

Material: Stainless steel.

Length: 1 inch (25 mm).

Length: 1-1/2 inch (38 mm).

Length: 2 inch (51 mm).

* + - * 1. Head Type: Wafers/X-treme LP Self-Tappers.

Threads: 12 per inch.

SD3: 16 per inch.

Flute: Reinforced.

Cut Point: Pierce Point / Self-Driller No. 3.

\*\* NOTE TO SPECIFIER \*\* Delete drive, material and length options not required.

Drive: No. 2 Phillips Combo.

Drive: No. 2 Square.

Material: C1022.

Material: Stainless steel.

Length: 1 inch (25 mm).

Length: 1-1/2 inch (38 mm).

Length: 2 inch (51 mm).

* + - * 1. Head Type: Button Truss/Lath

Threads: 14 threads per inch.

H-Low Threads.

Cut Point: Type-17.

Drive: No. 2 Phillips.

\*\* NOTE TO SPECIFIER \*\* Delete drive, material and length options not required.

Material: C1022.

Material: Stainless steel.

Length: 1 inch (25 mm).

Length: 1-1/2 inch (38 mm).

Length: 2 inch (51 mm).

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

* + 1. Hurricane Fastener Solutions: For High Wind Uplift Resistance. 3/4 and 1 inch (19 and 25 mm) Oversized Washers For WeatherTite Seal. Secure Tarps or Synthetic Overlays During Roof Repairs. ZMAX Long-Life Heads For Coastal Applications. Longer Length Fasteners Engineered For Retrofit Roofing Systems.

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

* + - 1. Color: Caribbean Aqua - AQ76.
      2. Color: Caribbean Red - RD76.
      3. Color: Caribbean White - WH02.
      4. Color: Caribbean Green - GN76.

\*\* NOTE TO SPECIFIER \*\* Delete fastener options not required. Then delete length and washer options not required.

* + - 1. Fastener ZMAX:
         1. Fastener Dia.: No. 10.
         2. Head Size: 5/16 inch (8 mm).
         3. Length: 1 inch (25 mm).
         4. Length: 1-1/2 inch (38 mm).
         5. Length: 2 inch (51 mm).
         6. Length: 2-1/2 inch (64 mm).
         7. Length: 3 inch (76 mm).
         8. Washer Dia.: 7/16 inches (11 mm).
      2. Fastener T17 MasterGrip:
         1. Fastener Dia.: No. 14.
         2. Head Size: 5/16 inch (8 mm).
         3. Length: 1 inch (25 mm).
         4. Length: 1-1/2 inch (38 mm).
         5. Length: 2 inch (51 mm).
         6. Length: 2-1/2 inch (64 mm).
         7. Length: 3 inch (76 mm).
         8. Length: 4 inch (102 mm).
         9. Washer Dia.: 5/8 inch (16 mm) Standard.
      3. Fastener T17 MasterGrip XL:
         1. Fastener Dia.: No. 14.
         2. Head Size: 3/8 inch (10 mm).
         3. Length: 1-1/2 inch (38 mm).
         4. Length: 2 inch (51 mm).
         5. Length: 2-1/2 inch (64 mm).
         6. Length: 3 inch (76 mm).
         7. Length: 4 inch (102 mm).
         8. Washer Dia.: 3/4 inch (19 mm).
         9. Washer Dia.: 1 inch (25 mm).
      4. Fastener Secure-Tek:
         1. Fastener Dia.: 1/4 inch (6 mm).
         2. Head Size: 3/8 inch (10 mm).
         3. Length: 7/8 inch (22 mm) LAP.
         4. Length: 1 inch (25 mm).
         5. Length: 1-1/4 inch (32 mm).
         6. Length: 1-1/2 inch (38 mm).
         7. Washer Dia.: 5/8 inch (16 mm Standard.
      5. Fastener Secure-Tek XL:
         1. Fastener Dia.: 1/4 inch (6 mm).
         2. Head Size: 3/8 inch (10 mm).
         3. Length: 7/8 inch (22 mm) LAP.
         4. Length: 2 inch (51 mm).
         5. Length: 2-1/2 inch (64 mm).
         6. Washer Dia.: 3/4 inch (19 mm) Standard.
         7. Washer Dia.: 1 inch (25 mm) Standard.

\*\* NOTE TO SPECIFIER \*\* Use the choices below to fill in the color blanks in prior product paragraphs and then delete this article or specify colors here.

* 1. FASTENER PAINT COLOR SELECTION GUIDE
     1. Color Selections and RAL Numbers:
        1. Color: Arctic/Brilliant (AB01).
        2. Color: Ash Grey 25 (AG06).
        3. Color: Barn Red (RD03).
        4. Color: Black (BK02).
        5. Color: Bone White S03 (BW05).
        6. Color: Bright Red (BR02).
        7. Color: Bright White (BW02).
        8. Color: Brown 01 (BN01).
        9. Color: Brown 02 (BN02).
        10. Color: Burgundy 01 (BU01).
        11. Color: Burgundy 02 (BU02).
        12. Color: Burnished Slate 49 (BS06).
        13. Color: Charcoal 17 (CH06).
        14. Color: Charcoal S01 (CH05).
        15. Color: Colonial Red S10 (CR05).
        16. Color: Colony (CO01).
        17. Color: Copper Metallic (CM01).
        18. Color: Crimson (CS01).
        19. Color: Dark Bronze S04 (DZ05).
        20. Color: Emerald Green (EG02).
        21. Color: Fern (FR01).
        22. Color: Forest (FT01).
        23. Color: Gallery (GB01).
        24. Color: Gray (GR01).
        25. Color: Hawaiian Blue 70 (HB06).
        26. Color: Hunter (HG01).
        27. Color: Ivory (IW01).
        28. Color: Light Stone 01 (LS01).
        29. Color: Light Stone 03 (LS03).
        30. Color: Mocha Tan 22 (MT06).
        31. Color: Ocean (OC01).
        32. Color: Ocean Blue 35 (OB06).
        33. Color: Prairie Wheat (PW02).
        34. Color: Rustic (RU01).
        35. Color: Slate Gray S19 (SL05).
        36. Color: Surrey Beige S21 (BE05).
        37. Color: Tan (TN03).
        38. Color: Taupe (TP01).
        39. Color: White 39 (WH06).
        40. Color: White (WH02).

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.
   4. FIELD QUALITY CONTROL
      1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

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

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

END OF SECTION