SECTION 32 31 19

DECORATIVE METAL FENCES AND GATES - COMPOSITE COATED ALUMINUM

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

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\*\* NOTE TO SPECIFIER \*\* NewTechWood America Inc.; composite decking.  
This section is based on the products of NewTechWood America Inc., which is located at:  
16680 Air Center Blvd.  
Houston, TX 77032  
Toll Free Tel: 866-728-5273  
Tel: 281-570-6450  
Fax: 281-661-1167  
Email: [request info (inquiry@newtechwood.com)](https://arcat.com/rfi?action=email&company=NewTechWood%252BAmerica%252BInc.&message=RE%253A%2520Spec%2520Question%2520(02820ntw)%253A%2520&coid=52279&spec=02820ntw&rep=&fax=281-661-1167)  
Web: <https://www.newtechwood.com>   
 [ [Click Here](https://arcat.com/company/newtechwood-america-inc-52279) ] for additional information.  
NewTechWood is a pioneer in the development and manufacture of composite decking, siding, deck tiles, railing, and other outdoor products. Since its beginnings in 2004, NewTechWood has been on the cutting edge in wood plastic composite technology, to develop products that bring beauty and practicality to spaces worldwide.  
NewTechWood has earned a worldwide reputation for our manufacture of attractive, innovative, and dependable wood plastic composite materials in a range of great color.  
NewTechWood is determined to provide its homeowners with unparalleled performance and satisfaction.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Composite fencing with aluminum trim and posts.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Add sections below relevant to this project or delete article altogether.

* + 1. Section \_\_ \_\_ \_\_ - \_\_\_\_\_\_\_\_\_\_\_\_.
  1. REFERENCES
     1. Local Authorities Having Jurisdiction
  2. SUBMITTALS
     1. Submit under the provisions of Section 01 30 00.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used.
           1. Includes but not limited to:

Spec-Data product information sheets,

Catalog cut-sheets.

Color charts.

Safety Data Sheets (SDS).

Building code evaluation reports.

Sample warranty forms.

* + - 1. Preparation instructions and recommendations.
      2. Storage and handling requirements and recommendations.
      3. Typical installation methods.
      4. Maintenance methods.
    1. LEED Submittals: Manufacturer's sustainable design information for obtaining credits toward LEED Certification of this Project by use of specified products.

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

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
    2. Shop Drawings: Include details of materials, construction, and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five years' documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* 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 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. The intent of a mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If the mock-up is not acceptable, rebuild the 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 the scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. The 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. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.
     2. Warranty data may be added here or

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: NewTechWood America Inc., which is located at:  
         16680 Air Center Blvd.  
         Houston, TX 77032  
         Toll Free Tel: 866-728-5273  
         Tel: 281-570-6450  
         Fax: 281-661-1167  
         Email: [request info (inquiry@newtechwood.com)](https://arcat.com/rfi?action=email&company=NewTechWood%252BAmerica%252BInc.&message=RE%253A%2520Spec%2520Question%2520(02820ntw)%253A%2520&coid=52279&spec=02820ntw&rep=&fax=281-661-1167);Web: <https://www.newtechwood.com>

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

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00.
  1. EXTERIOR COMPOSITE FENCING
     1. Basis of Design: UltraEasy Fencing as manufactured by NewTechWood. 6 x 6 ft. Composite Fencing System. The look of wood without the maintenance. Install the posts, in ground or on top of concrete. Drop in the composite boards from above. No visible screws on the fencing surface. Black aluminum posts.

\*\* NOTE TO SPECIFIER \*\* Delete posts and configuration options not required.

* + - 1. Posts: Concrete Mounted.
         1. Configuration: Straight lined.
         2. Configuration: T-intersection.
         3. Configuration: Right angle corner.
         4. Configuration: Cross intersection.
         5. Post caps.
      2. Posts: Ground Mounted.
         1. Configuration: Straight lined.
         2. Configuration: T-intersection.
         3. Configuration: Right angle corner.
         4. Configuration: Cross intersection.
         5. Post caps.
      3. Fence Boards (LxWxT): 59-5/16 x 6-5/16 x 13/16 inches (1507 x 160 x 21 mm)

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

* + - * 1. Profile: UH66.
        2. Profile: UH105.
        3. Profile: UH24.
        4. Finish: UltraShield technology. A protective layer of composite material I wrapped around hollow aluminum cores.
        5. Color: As determined by the Architect.
        6. Color: Peruvian Teak.
        7. Color: Brazilian Ipe.
        8. Color: Indian Ebony.
        9. Color: Argentinian Silver Gray.
      1. Trim Components:
         1. Fence bottom.
         2. Fence top.
         3. Post.
      2. Clips, brackets, and screws.

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

* + - 1. Gate and installation components.

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

END OF SECTION