SECTION 07 46 19.10

STEEL SIDING - VESTA

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 \*\* Quality Edge; Steel siding and accessories.  
This section is based on the products of Quality Edge, which is located at:2712 Walkent Dr.Walker, MI 49544Toll Free Tel: 888-784-0878Tel: 616-735-3833Fax: 616-735-3844Email: [request info (marketing@qualityedge.com)](https://arcat.com/rfi?action=email&company=Quality%252BEdge&message=RE%253A%2520Spec%2520Question%2520(07468qua)%253A%2520&coid=44368&spec=07468qua&rep=&fax=616-735-3844)  
Web: <https://www.qualityedge.com>   
 [ [Click Here](https://arcat.com/company/quality-edge-44368) ] for additional information.  
At Quality Edge, we are passionate about the home renovation, exterior design and building process. We are driven to provide innovative exterior solutions that last a lifetime, so families can spend their time doing the things that they love. Through our smart and sustainable designs, best-in-class products, and attentive customer service, we strive to inspire, educate, and simplify the process of building a new home or improving an existing one.  
Are you looking for stronger materials? A perfect color match? A way to turn your rough sketch into your ultimate solution? Whether it is customizing an existing product or creating something new, Quality Edge is here to listen and ready to respond with innovation, design, execution, and service beyond all expectations. This includes shorter lead times, faster turnaround, and multiple products in a single drop shipment.  
We are a loyal partner to one- and two-step distribution channels, providing exceptional, industry leading products and customer service as we put our products and your ideas into practice for quality solutions that truly give you the edge.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Steel siding and accessories.
  1. RELATED SECTIONS

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

* + 1. Section 05 40 00 - Cold-Formed Metal Framing.
    2. Section 06 10 00 - Rough Carpentry.
    3. Section 07 27 00 - Air Barriers.
    4. Section 07 60 00 - Flashing and Sheet Metal.
    5. Section 07 90 00 - Joint Protection.
  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 A653 - Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
       2. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
    2. International Residential Code (IRC):
       1. IRC 2018: R703.3 - Exterior Covering: Wall covering nominal thickness and attachments.
  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. Siding materials, underlayment, flashings, fasteners, and accessories.
        3. Dimensions, physical properties, and typical details.
        4. Preparation instructions and recommendations.
        5. Storage and handling requirements and recommendations.
        6. Typical installation methods.
     3. Shop Drawings:
        1. Show layout, methods of attachment, provisions for movement, flashing, trim, edge and field conditions, interface with adjacent materials, locations of cutouts or special shapes, existing construction, and details.
        2. Submit overall layout of panels with small scale details, and large scale details of edge conditions, joints, fastener and sealant placement, flashings, penetrations, and special conditions.
        3. Distinguish between factory and field assembled work.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns and including the following:
       1. Siding: One of each type, full panel width by 12 inches (300 mm) long.
       2. Fasteners and Accessories: Two of each type, full size, indicating use.
    2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
    3. Installer qualifications.
    4. Closeout submittals:
       1. Maintenance and cleaning instructions.
       2. Warranty.
  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. 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.
        1. Organize package contents to minimize sorting on site.
        2. Verify quantities and condition immediately upon receipt. Remove damaged products from the site, coordinate with the manufacturer to replace with new materials to meet specified requirements.
     2. Steel siding wall panels are identified by a label affixed on product packaging. The label is to include the company name, Quality Edge, Inc., and product name or code.
     3. Protect from damage due to weather, excessive temperature, and construction operations.
  3. PROJECT CONDITIONS
     1. Field Measurement: Verify field conditions prior to shop drawings or fabrications.
     2. 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. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
  4. WARRANTY
     1. Manufacturer's limited warranty unless indicated otherwise.
     2. Warranty applies only to building products installed in the fifty (50) United States and the District of Columbia.
     3. Lifetime Limited Warranty includes protection against peeling, flaking, chipping, cracking, color fade, chalking, rust, hail, and abrasion. Vesta's steel core is unlike any other and designed to defend against whatever nature throws at it. An anti-corrosive zinc barrier provides unyielding protection born to last generations.
        1. Duration for Residential Vesta Siding: Lifetime Limited Warranty.
        2. Duration for Commercial Vesta Siding: 50 years.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Quality Edge, which is located at:2712 Walkent Dr.Walker, MI 49544Toll Free Tel: 888-784-0878Tel: 616-735-3833Fax: 616-735-3844Email: [request info (marketing@qualityedge.com)](https://arcat.com/rfi?action=email&company=Quality%252BEdge&message=RE%253A%2520Spec%2520Question%2520(07468qua)%253A%2520&coid=44368&spec=07468qua&rep=&fax=616-735-3844);Web: <https://www.qualityedge.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.

\*\* NOTE TO SPECIFIER \*\* Delete article not required. U.S. Patent Nos.: 10,508,455; 10,760,282. Canadian patent pending.

* 1. PERFORMANCE AND DESIGN REQUIREMENTS
     1. Certifications and Ratings:
        1. Building Code Ratings: Source: IRC 2018: R703.3 Wall Covering Nominal Thickness and attachments.
        2. Material, Paint and Coatings:
           1. Recyclable: 100 percent.
           2. Recycled Content: 33 to 89 percent.
           3. Coatings: VOC-free. Lead free.
        3. Non-Combustible Fire Ratings:
           1. ASTM E84 and ASTM E84-18b: Class A.

Flame Spread Index: 25.

Smoke Development Index: 450.

* + - 1. Structural Performance Rating: ASTM E1592-05.
    1. Physical Characteristics:
       1. Tensile Strength: Complies with ASTM A653
       2. Yield Strength: 33,000 to 55,000 psi (227.52 to 379.21 Mpa).
       3. Profile: Supports vertical, horizontal or porch ceiling installation.
       4. Elongation: Greater than 20 percent
       5. Humidity Cabinet: Panels given 90 degree bend and subjected to 100 percent Relative Humidity at 95 to 105 degrees F (35 to 40.5 degrees C) for 1,000 hours; no blistering, cracking, loss of gloss or peeling and no softening after 24 hour recovery.
       6. Film Adhesion:
          1. No blistering or loss of adhesion after immersion in distilled boiling water for a minimum of 4 hours followed by a minimum 4 hour freeze test.
          2. Finish shall not be removed from cross hatched lines scored 1/8 inch (3 mm) apart after application of number 600 Scotch tape.
       7. Reverse Impact: Garner impact tester; 5/8 inch (16 mm) steel ball, 120 inch-lbs (13.6 n-m).
       8. Bending: 1-2T 180 degree bend, 0.020 inch (0.51 mm) thick steel.
       9. Salt Spray: When subject to a 5 percent salt solution per ASTM B117, shall withstand 1,000 hours exposure without blistering or loss of adhesion. Quality Edge warrants installations further than 1,500 feet (457.2 m) from the ocean.
       10. Weatherometer: Tested in accordance with ASTM D822-57T after period of 2,000 actual light hours with humidity control shall show no cracking, crazing, or loss of adhesion.
           1. Chalking: No greater than ASTM D659.44 No. 10 rating, based on a scale of 10 being excellent.
           2. Color Change: No more than 8 Hunter E units.
  1. STEEL SIDING AND ACCESSORIES
     1. Basis of Design: Vesta Steel Siding as manufactured by Quality Edge. Quality Edge Vesta are steel siding wall panels used on vertical exterior walls as cladding.
        1. Application: Horizontal, vertical, and porch ceiling.
        2. Profile: To have built-in breathing ducts that promote air circulation between joint seams and behind the building surface.
           1. Woodgrain Face: 5 inches (127 mm). Plank Length: 8 ft (2.438 m).
           2. Smooth Solid Face: 5 inches (127 mm). Plank Length: 12 ft (3.658 m).
        3. Material: G60 Galvanized Commercial Steel ASTM A653 CS Type B, coating designation
           1. Panel Thickness: 0.020 inches (0.51 mm).
           2. Accessories Thickness: 0.016 inches (0.406 mm).
        4. Finish: Wood grain. Panels to have 6 unique grain configurations to more resemble real wood. Kynar 500; 70 percent PVDF, and CarbonTech90.
           1. Color: 483 Sand Dollar.
           2. Color: 480 Autumn Thistle.
           3. Color: 481 Driftwood.
           4. Color: 482 Gilded Grain.
        5. Finish: Solid. Kynar; 50 percent PVDF, and CarbonTech90.
           1. Color: 463 Coal.
           2. Color: 462 Silver Lining.
           3. Color: 503 Eggshell.
           4. Color: 414 Ironstone.
           5. Color: 464 Fiddlehead.
           6. Color: 465 Sea Glass.
           7. Color: 460 Great Water.
           8. Color: 466 Tourmaline.
           9. Color: 280 White.
     2. Accessories:
        1. Starter trim.
        2. Outside corner post.
        3. Large outside corner post.
        4. Inside corner post.
        5. H-channel.
        6. J-Channel.
        7. Drip Cap
        8. Trim coil. 14.77 inches (375 mm) wide x 30 ft (9.144 m) long.
        9. Support trim.
        10. Utility trim.
        11. Brick ledge flashing.
        12. L-Flashing.
        13. Touch-up paint.
        14. Nails: 1.5 inch (38 mm).
        15. Screws: 1.5 inch (38 mm).
        16. Fascia: 6 inch (152 mm) with mounting brackets.
        17. Fascia: 8 inches (203 mm) with mounting brackets.
        18. Vented plank soffit.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required or delete accessories and options not required.

* 1. SIDING AND TRIM ACCESSORIES
     1. Window and Door Trim:
        1. Brick Mold: BK10: Aluminum 0.024 inch (0.61 mm).
        2. Brink Mold: Andersen Brick. AB: Aluminum 0.019 inch (0.48 mm).
        3. Casing: Flat. FC10: Aluminum 0.024 inch (0.61 mm).
        4. Coating: Q800 TuffTech.
           1. Color: To be selected by Architect.
           2. Color: As indicated on Drawings.
           3. Color: 007 Matte Copper Penny.
           4. Color: 200 Cactus.
           5. Color: 204 Granit.
           6. Color: 280 White.
           7. Color: 301 Dragonfly.
           8. Color: 302 Florentine Gold.
           9. Color: 303 Morning Fog.
           10. Color: 304 Pomegranate.
           11. Color: 305 Thunder Cloud.
           12. Color: 306 Quartz.
           13. Color: 307 Ripe Olive.
           14. Color: 327 Desert Tan.
           15. Color: 414 Ironstone.
           16. Color: 424 Slat.
           17. Color: 460 Great Water.
           18. Color: 461 Harbor Mist.
           19. Color: 462 Silver Lining.
           20. Color: 502 Brown.
           21. Color: 503 Eggshell.
           22. Color: 505 Green.
           23. Color: 507 Mocha.
           24. Color: 508 Musket.
           25. Color: 509 Norwood.
           26. Color: 511 Terratone.
           27. Color: 518 Black.
           28. Color: 521 Navy.
           29. Color: 522 Forest.
           30. Color: 523 Snowmist.
           31. Color: 604 Wineberry.
           32. Color: 605 Eldridge Gray.
           33. Color: 606 Cozy Cottage.
           34. Color: 805 Pewter.
           35. Color: 807 Clay.
           36. Color: 809 Wicker.
           37. Color: 819 Herringbone.
           38. Color: 827 Champagne.
     2. Drip Cap: Available in multiple size and thickness combinations.
        1. Material: Aluminum. Length: 10 ft (3.048 m).
           1. Thickness: 0.011 inch (0.28 mm).
           2. Thickness: 0.019 inch (0.48 mm).
           3. Available Sizes: 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4, 2, 2-1/2, and 3 inches (9.5, 11, 13, 16, 19, 22, 25, 28, 32, 35, 38, 41, 44, 51, 64, and 76 mm).
           4. Finish: Mill.
           5. Finish: TuffTech.

Color: To be selected by Architect.

Color: As indicated on Drawings.

Color: 007 Matte Copper Penny.

Color: 177 Sandy Beige.

Color: 200 Cactus.

Color: 204 Granite.

Color: 280 White.

Color: 301 Dragonfly.

Color: 302 Florentine Gold.

Color: 303 Morning Fog.

Color: 304 Pomegranate.

Color: 305 Thunder Cloud.

Color: 306 Quartz.

Color: 307 Ripe Olive.

Color: 327 Desert Tan.

Color: 414 Ironstone.

Color: 424 Slate.

Color: 460 Great Water.

Color: 461 Harbor Mist.

Color: 462 Silver Lining.

Color: 502 Brown.

Color: 503 Eggshell.

Color: 507 Mocha.

Color: 508 Musket.

Color: 509 Norwood.

Color: 511 Terratone.

Color: 518 Black.

Color: 521 Navy.

Color: 522 Forest.

Color: 523 Snowmist.

Color: 604 Wineberry.

Color: 605 Eldridge Gray.

Color: 606 Cozy Cottage.

Color: 805 Pewter.

Color: 807 Clay.

Color: 809 Wicker.

Color: 819 Herringbone.

Color: 827 Champagne.

* + - 1. Material: Steel. Length: 10 ft (3.048 m). Thickness: 0.013 inches (0.33 mm).
         1. Available Sizes: 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4, 2, 2-1/2, and 3 inches (9.5, 11, 13, 16, 19, 22, 25, 28, 32, 35, 38, 41, 44, 51, 64, and 76 mm).
         2. Finish: Mill.
         3. Finish: TuffTech.

Color: To be selected by Architect.

Color: As indicated on Drawings.

Color: 502 Brown.

Color: 511 Terratone.

Color: 518 Black.

Color: 523 Snowmist.

Color: 807 Clay.

* + 1. Flashing:
       1. Roof-to-Wall. Material: Aluminum. Length: 10 ft (3.048 m). Thickness: 0.019 inch (0.48).
          1. Size: 3.00 x 1.06 x 1.50 inches (76 x 27 x 38 mm).
          2. Size: 4.86 x 0.30 inches (123 x 8 mm).
          3. Coating: TuffTech.
          4. Color: To be determined by the Architect
          5. Color: As stated on the Drawings.
          6. Color: 177 Sandy Beige.
          7. Color: 280 White.
          8. Color: 327 Desert Tan.
          9. Color: 331 Iron Gray.
          10. Color: 333 Soft Green.
          11. Color: 335 Tuscan Gold.
          12. Color: 405 Boothbay Blue.
          13. Color: 410 Timber Bark.
          14. Color: 411 Countrylane Red.
          15. Color: 509 Norwood.
          16. Color: 516 Sandstone Beige.
          17. Color: 606 Cozy Cottage.
          18. Color: 629 Deep Ocean.
          19. Color: 630 Gray Slate.
          20. Color: 632 Rich Espresso.
          21. Color: 770 Pearl Gray.
          22. Color: 782 Chestnut Brown.
          23. Color: 805 Pewter.
          24. Color: 807 Clay.
          25. Color: 819 Herringbone.
       2. Z-Flashing: Material: Aluminum. Length: 10 ft (3.048 m). Thickness: 0.019 inch (0.48 mm).
          1. Size: 3.00 x 0.38 x 0.31 inches (76 x 10 x 8 mm).
          2. Size: 3.05 x 1.06 x 1.00 inches (77 x 27 x 25 mm).
          3. Size: 3.00 x 1.38 x 0.30 inches (76 x 35 x 8 mm).
          4. Coating: TuffTech.
          5. Color: To be determined by the Architect
          6. Color: As stated on the Drawings.
          7. Color: 177 Sandy Beige.
          8. Color: 280 White.
          9. Color: 327 Desert Tan.
          10. Color: 331 Iron Gray.
          11. Color: 333 Soft Green.
          12. Color: 335 Tuscan Gold.
          13. Color: 405 Boothbay Blue.
          14. Color: 410 Timber Bark.
          15. Color: 411 Countrylane Red.
          16. Color: 509 Norwood.
          17. Color: 516 Sandstone Beige.
          18. Color: 606 Cozy Cottage.
          19. Color: 629 Deep Ocean.
          20. Color: 630 Gray Slate.
          21. Color: 632 Rich Espresso.
          22. Color: 770 Pearl Gray.
          23. Color: 782 Chestnut Brown.
          24. Color: 805 Pewter.
          25. Color: 807 Clay.
          26. Color: 819 Herringbone.
    2. H-Mold: Aluminum 0.019 inch (0.48 mm).
       1. Finish: Woodgrain.
       2. Finish: Smooth.
       3. Lengths: 5, 6, 7, 8, and 11 inches (127, 152, 178, 203 mm)
       4. Coating: TuffTech.
       5. Color: To be determined by the Architect
       6. Color: As stated on the Drawings.
       7. Color: 277
       8. Color: 350 Beige.
       9. Color: 351 Biscuit.
       10. Color: 352 Bungalow.
       11. Color: 353 Cinnabar.
       12. Color: 354 Clay.
       13. Color: 355 Pelican.
       14. Color: 356 Pewter Green.
       15. Color: 357 Platinum.
       16. Color: 358 Seal.
       17. Color: 359 Tan.
       18. Color: 360 Granite.
       19. Color: 361 Light Gray.
       20. Color: 363 Smokey Ash.
       21. Color: 364 Mountain Lake.
       22. Color: 414 Ironstone.
       23. Color: 503 Eggshell.
       24. Color: 507 Mocha.
       25. Color: 508 Musket.
       26. Color: 509 Norwood.
       27. Color: 511 Terratone.
       28. Color: 518 Black.
       29. Color: 523 Snowmist.
       30. Color: 655 Chocolate.
       31. Color: 656 Clove.
       32. Color: 657 Midnight.
       33. Color: 767 Olive.
       34. Color: 805 Pewter.
    3. Window Flashing: Truwrap. WF4X100: Tape Material.
    4. Utility Trim: UT10. Aluminum. Length: 10 ft (3.048 m). Thickness: 0.019 inch (0.48 mm).
       1. Coating: TuffTech.
       2. Color: To be determined by the Architect
       3. Color: As stated on the Drawings.
       4. Color: 007 Matte Copper Penny.
       5. Color: 177 Sandy Beige.
       6. Color: 200 Cactus.
       7. Color: 204 Granite.
       8. Color: 280 White.
       9. Color: 301 Dragonfly.
       10. Color: 302 Florentine Gold.
       11. Color: 303 Morning Fog.
       12. Color: 304 Pomegranate.
       13. Color: 305 Thunder Cloud.
       14. Color: 306 Quartz.
       15. Color: 307 Ripe Olive.
       16. Color: 327 Desert Tan.
       17. Color: 414 Ironstone.
       18. Color: 424 Slate.
       19. Color: 460 Great Water.
       20. Color: 461 Harbor Mist.
       21. Color: 462 Silver Lining.
       22. Color: 502 Brown.
       23. Color: 503 Eggshell.
       24. Color: 505 Green.
       25. Color: 507 Mocha.
       26. Color: 508 Musket.
       27. Color: 509 Norwood.
       28. Color: 511 Terratone.
       29. Color: 518 Black.
       30. Color: 521 Navy.
       31. Color: 522 Forest.
       32. Color: 523 Snowmist.
       33. Color: 604 Wineberry.
       34. Color: 605 Eldridge Gray.
       35. Color: 606 Cozy Cottage.
       36. Color: 805 Pewter.
       37. Color: 807 Clay.
       38. Color: 809 Wicker.
       39. Color: 819 Herringbone.
       40. Color: 827 Champagne.
    5. Utility Molding: UM10. Aluminum. Length: 10 ft (3.048 m). Thickness: 0.019 inch (0.48 mm).
       1. Coating: TuffTech.
       2. Color: To be determined by the Architect
       3. Color: As stated on the Drawings.
       4. Color: 007 Matte Copper Penny.
       5. Color: 177 Sandy Beige.
       6. Color: 200 Cactus.
       7. Color: 204 Granite.
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       36. Color: 805 Pewter.
       37. Color: 807 Clay.
       38. Color: 809 Wicker.
       39. Color: 819 Herringbone.
       40. Color: 827 Champagne.
    6. Starter Strips: Length: 10 ft (3.048 m). Coating: Galvanized G40 plus.
       1. Starter Strip 3 inch (76 mm): 3SSA: Aluminum 0.019 inch (0.48 mm).
       2. Starter Strip 3 inch (76 mm): 3SSGAL: Steel 0.0155 inch.
       3. Starter Strip 3.5 inch (89 mm): 3.5SSA: Aluminum 0.019 inch (0.48 mm).
       4. Starter Strip 3.5 inch (89 mm): 3.5SSGAL: Steel 0.0155 inch (0.39 mm).
       5. Starter Strip 4 inch (102 mm): 4SSGAL: Steel 0.0155 inch (0.39 mm).
       6. Starter Strip 6 inch (152 mm): 4SSGAL: Steel 0.0155 inch (0.39 mm).
       7. Starter Strip J: PSSJ: Steel 0.0155 inch (0.39 mm).
       8. Starter Strip Nail Lite: NLS. Aluminum 0.019 inch (0.48 mm).
       9. Starter Strip Trushake: TSSSGAL. Steel 0.0155 inch (0.39 mm).
       10. Starter Strip Rigid Stack: RSS. Steel 0.013 inch (0.33 mm).
       11. Starter Strip Thermal Wall: 4GALINSSS. Steel 0.0155 inch (0.39 mm).
       12. Starter Strip Profoam: 4GALPFISS. Steel 0.0155 inch (0.39 mm).
       13. Starter Strip Shake: SSS. Steel 0.0155 inch (0.39 mm).
       14. Starter Strip Cedarmax. CMAXSS: Steel 0.0155 inch (0.39 mm).

1. EXECUTION
   1. EXAMINATION
      1. Examine substrates with installer present. Inspect for tolerances and conditions that could adversely affect installation.
      2. Do not begin installation until substrates have been properly constructed and prepared.
      3. 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 and shop drawings, which must be always available on the Project site for inspection.
         1. Attach siding in place using manufacturers recommended fasteners, sealants, and adhesives as indicated on shop drawings.
         2. Cut siding as recommended by manufacturer.
         3. Prevent galvanic action by treating faces and edges in contact with dissimilar metals as recommended by the manufacturer.
         4. Install siding with positive anchoring to the building and provide for thermal expansion.
         5. Provide expansion space as recommended by manufacturer.
         6. Coordinate installation with flashings and other components.
         7. Provide concealed fasteners except where approved on shop drawings.
         8. Set units true to line and levels indicated on the drawings.
      2. When cutting steel siding a ferrous cutting blade must be used. A carbide tip saw blade with the max number of teeth per the diameter of the blade.
      3. Planks must be installed on a minimum 1/2 inch (13 mm) OSB or plywood solid flat wall over house wrap. Fasten all panels loose (floating) to wall using 1-1/2 inch (38 mm) nails or screws, inserting fasteners into the holes along the top of the panel 16 inch (406 mm) on center. Ensure each panel is fully engaged to the one below via the pre-rolled feature at the bottom of the panel before fastening it.
      4. The wood printed panels have 6 distinct wood grains. Printed on the top nailing flange are numbers 1 to 6, these numbers identify the different paints. When installing the panels look at the number and mix them on the wall. The panels are mixed in the box 1 thru 6 from the factory, for the best look install different numbers by the previous panels. Complete installation instructions can be found at: www.qualityedge.com/resources.
   4. FIELD QUALITY CONTROL
      1. Inspect units as they are installed. Do not install cracked, broken, twisted, or damaged units.
      2. Do not scratch or mar installed units. Units damaged during installation shall be immediately removed and replaces, remove damaged units from the project site.
      3. Metal building materials should always be stored in a dry, well-ventilated place. Never cover materials with a non-breathing or plastic tarp. This causes condensation to form, which deteriorates the protective coating of the material.
      4. Inspect complete installation to ensure that it is weather tight in accordance with the manufacturer's instructions.
   5. CLEANING
      1. Remove excess materials and debris from the project site.
   6. PROTECTION
      1. Protect installed products until completion of project.
      2. Steel siding and trim must never come in contact with other metals like aluminum. Flashing tape can be used as a spacer to separate the metals.
      3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION