SECTION 05 31 00

STEEL DECKING, ROOF, FLOOR, AND FORM DECK

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\*\* NOTE TO SPECIFIER \*\* ASC Steel Deck; steel decking, roof deck, floor deck, form deck, and accessories.  
This section is based on the products of ASC Steel Deck, which is located at:2110 Enterprise Blvd.West Sacramento, CA 95691Toll Free Tel: 800-726-2727 Tel: 916-202-4391Fax: 916-373-0815Email: [request info (info@ascsd.com)](https://arcat.com/rfi?action=email&company=ASC%252BSteel%252BDeck&message=RE%253A%2520Spec%2520Question%2520(05310rfd)%253A%2520&coid=41894&spec=05310rfd&rep=&fax=916-373-0815)  
Web: <http://www.ascsteeldeck.com>   
 [ [Click Here](https://arcat.com/company/asc-steel-deck-41894) ] for additional information.  
ASC Steel Deck is a leading west-coast manufacturer of structural steel deck. ASC offers a full line of light-gauge structural roof and floor products with the highest performance and the lowest installed costs. ASC Steel Deck is committed to providing exceptional service and technical expertise to every project while leading the way to a healthier built environment for all.  
Delivering quality products for over 50 years, ASC Steel Deck features in high-profile projects, including the Las Vegas Raiders Stadium, Salesforce Tower, Apple Park, Tesla Gigafactory, and LAX Bradley Terminal. Today, ASC Steel Deck offers a broad range of design tools and innovative products, including Tekla and Revit downloads and the new Smooth Series exposed ceiling profile system.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Steel roof deck.
    2. Acoustical roof deck.
    3. Cellular roof deck.
    4. Cellular acoustical roof deck.
    5. Composite floor deck.
    6. Non-composite floor deck.
    7. Cellular composite floor deck.
    8. Cellular composite acoustical floor deck.
    9. Sidelap attachments.
    10. Deck attachments.
    11. Accessories.
  1. RELATED SECTIONS

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

* + 1. Section 03 31 00 - Structural Concrete.
    2. Section 03 34 00 - Low Density Concrete.
    3. Section 03 50 00 - Cast Decks and Underlayment.
    4. Section 05 12 13 - Architecturally-Exposed Structural Steel Framing.
    5. Section 05 50 00 - Metal Fabrications.
    6. Section 07 81 00 - Applied Fireproofing.
    7. Section 09 90 00 - Painting and Coating.
  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/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
       2. ASTM A 1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability.
       3. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
       4. ASTM E329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection.
       5. ASTM E795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests.
    2. American Concrete Institute (ACI):
       1. ACI 318 - Building Code Requirements for Structural Concrete.
    3. American Institute of Steel Construction (AISC):
       1. AISC 360 - Specification for Structural Steel Buildings.
    4. American National Standards Institute (ANSI):
       1. ANSI/SDI-RD - Standard for Steel Roof Deck.
       2. ANSI/SDI-C - Standard for Composite Steel Floor Deck.
    5. American Welding Society (AWS):
       1. AWS D1.3 - Structural Welding Code-Sheet Steel.
    6. FM Global (FM):
       1. FM - Approval Guide, Building Materials.
       2. FM 4451 - Approval Standard for Class 1 Insulated Steel Roof Decks.
    7. Underwriters Laboratories (UL).
  1. DEFINITIONS
     1. ASD - Allowable Strength Design method.
     2. LRFD - Load and Resistance Factor Design method.
     3. TSW - Top Seam Welds.
     4. DG - DeltaGrip.
     5. Fr - Smooth Series Rivet Attachment.
     6. Cell Deck Pan - Flat bottom section of cell deck.
     7. Cell Deck Beam - Top fluted section of cell deck.
     8. AW - Acoustical Deck, Web Perforated.
     9. AT - Acoustical Deck, Total Perforated.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: For each type of decking specified, including dimensions, components, profiles, and finishes.
        1. Manufacturer's data sheets.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.
     3. Shop Drawings: Layout of decks, anchoring, reinforcing, openings, joints, accessories, and attachments details. Include details of materials, construction, and finish. Include relationship with adjacent construction.
     4. Welding certificates.
     5. Product certificates.
     6. Product Test Reports: Tested by qualified testing agency, showing compliance with specified requirements for acoustical cellular composite deck.
     7. Field quality-control reports.
     8. LEED Submittals: Provide product data to document recycled content.
  3. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience.
        1. Member to be in good standing of Steel Deck Institute (SDI).
     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. Testing Agency Qualifications: An independent agency qualified according to ASTM E329 for testing indicated.
     4. Welding: Qualify procedures and personnel according to AWS D1.3, Structural Welding Code - Sheet Steel.
     5. 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. 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 and in accordance with SDI MOC3.
     2. Separate sheets and store them on dry wood sleepers; slope for positive drainage. Cut plastic wraps for ventilation. Protect with a waterproof covering and ventilate to avoid condensation.
     3. Handle materials to avoid damage.
  3. SEQUENCING
     1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
  4. 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.
  5. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: ASC Steel Deck, which is located at:2110 Enterprise Blvd.West Sacramento, CA 95691Toll Free Tel: 800-726-2727 Tel: 916-202-4391Fax: 916-373-0815Email: [request info (info@ascsd.com)](https://arcat.com/rfi?action=email&company=ASC%252BSteel%252BDeck&message=RE%253A%2520Spec%2520Question%2520(05310rfd)%253A%2520&coid=41894&spec=05310rfd&rep=&fax=916-373-0815);Web: <http://www.ascsteeldeck.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 - Product Requirements.
  1. PERFORMANCE AND DESIGN REQUIREMENTS
     1. AISI Specifications: Comply with calculated structural characteristics of steel deck according to AISI's North American Specification for the Design of Cold-Formed Steel Structural Members and SDI RDDM Roof Deck Design Manual.
     2. Roof and Floor Decking:
        1. Deck shall meet the minimum design gage and yield strength specified on the drawings.
        2. Whenever possible, the deck shall be multi-span.
     3. Factory Mutual Guide Listing: Provide steel roof deck evaluated by FM and listed in its "Approval Guide, Building Materials" for Class 1 fire rating and Class 1-90 windstorm ratings.
     4. Fire-Resistance Ratings per ASTM E 119 or UL 263
        1. Indicate design designations from UL's "Fire Resistance Directory." Indicate rating and design designation on the Drawings.
        2. Indicate UL design designations from a qualified testing agency. Indicate rating and design designation on the Drawings.

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

* 1. STEEL ROOF DECK

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

* + 1. Basis of Design: B Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DGB-36, DeltaGrip Sidelap.
      2. Sidelaps: B-36, Standard standing seam sidelap interlock.
      3. Sidelaps: BS-36, Screwable Sidelap.
      4. Sidelaps: BN-36, Nestable Sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: N Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DGN-32, DeltaGrip Sidelap.
      2. Sidelaps: N-32, Standard standing seam sidelap interlock.
      3. Sidelaps: NN-32, Nestable Sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: 2WH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0290 inch (0.736 mm).
      2. Thickness: 21 gage, 0.0330 inch (0.838 mm).
      3. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      4. Thickness: 19 gage, 0.0420 inch (1.07 mm).
      5. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      6. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DG2WH-36, DeltaGrip Sidelap.
      2. Sidelaps: 2WH-36, Standard standing seam sidelap interlock.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: 3WxH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0290 inch (0.736 mm).
      2. Thickness: 21 gage, 0.0330 inch (0.838 mm).
      3. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      4. Thickness: 19 gage, 0.0420 inch (1.07 mm).
      5. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      6. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DG3WxH-36, DeltaGrip Sidelap.
      2. Sidelaps: 3WxH-36, Standard standing seam sidelap interlock.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: C1.4/CP-32 Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1-3/8 inches (35 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 4 feet (1219 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 26 gage, 0.0195 inch (0.495 mm).
      2. Thickness: 24 gage, 0.0254 inch (0.645 mm).
      3. Thickness: 22 gage, 0.0314 inch (0.759 mm).
      4. Thickness: 20 gage, 0.0374 inch (0.912 mm).
      5. Thickness: 18 gage, 0.0480 inch (1.21 mm).
      6. Sidelaps: C1.4/CP-32, Nestable Sidelap.
      7. Material: Galvanized steel conforming to ASTM A653.

\*\* NOTE TO SPECIFIER \*\* Grade Gr40 is only for 18 gage thickness. Delete grade option not required.

* + - * 1. Grade: Gr80.
        2. Grade: Gr40.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.
    1. Basis of Design: C0.9-32 Panels; as manufactured by ASC Steel Deck.
       1. Depth: 7/8 inches (22 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 4 feet (1219 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 26 gage, 0.0195 inch (0.495 mm).
      2. Thickness: 24 gage, 0.0254 inch (0.645 mm).
      3. Thickness: 22 gage, 0.0314 inch (0.759 mm).
      4. Thickness: 20 gage, 0.0374 inch (0.912 mm).
      5. Sidelaps: Co.9-32, Nestable Sidelap.
      6. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr80.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.
  1. ACOUSTICAL ROOF DECK

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

* + 1. Basis of Design: BA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DGB-36AW and DGB-36AT, DeltaGrip Sidelap.
      2. Sidelaps: B-36AW and B-36AT, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Noise Reduction Coefficient (NRC):
         1. DGB-36AW and B-36AW: Minimum 0.80 when used with fiberglass insulation board.
         2. DGB-36AT and B-36AT: Minimum 0.85 when used with fiberglass insulation board.
    1. Basis of Design: NA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: DGN-32AW and DGN-32AT, DeltaGrip Sidelap.
      2. Sidelaps: N-32AW and N-32AT, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Noise Reduction Coefficient (NRC):
         1. DGN-32AW and N-32AW: Minimum 0.95 when used with fiberglass insulation board.
         2. DGN-32AT and N-32AT: Minimum 1.00 when used with fiberglass insulation board.
  1. CELLULAR ROOF DECK

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

* + 1. Basis of Design: BF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DGBF-36AW and DGBFr-36, DeltaGrip Sidelap.
      2. Sidelaps: BF-36 and BFr-36, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: NF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DGNF-32 and DGNFr-32, DeltaGrip Sidelap.
      2. Sidelaps: NF-32 and NFr-32, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: 2WHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.035 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.035 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.035 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.047 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.047 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.047 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.059 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.059 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.059 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DG2WHF-36 and DG2WHFr-36, DeltaGrip Sidelap.
      2. Sidelaps: 2WHF-36 and 2WHFr-36, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: 3WxHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.035 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.035 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.035 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.047 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.047 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.047 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.059 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.059 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.059 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DG3WxHF-36 and DG3WxHFr-36, DeltaGrip Sidelap.
      2. Sidelaps: 3WxHF-36 and 3WxHFr-36, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
  1. CELLULAR ACOUSTICAL ROOF DECK

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

* + 1. Basis of Design: BFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DGBF-36A and DGBFr-36A, DeltaGrip Sidelap.
      2. Sidelaps: BF-36A and BFr-36A, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC): Minimum 0.70 when used with polyisocyanurate insulation board.
    1. Basis of Design: NFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DGNF-32A and DGNFr-32A, DeltaGrip Sidelap.
      2. Sidelaps: NF-32A and NFr-32A, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC): Minimum 0.85 when used with polyisocyanurate insulation board.
    1. Basis of Design: 2WHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DG2WHF-36A and DG2WHFr-36A, DeltaGrip Sidelap.
      2. Sidelaps: 2WHF-36A and 2WHFr-36A, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC): Minimum 0.60 when used with polyisocyanurate insulation board.
    1. Basis of Design: 3WxHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: DG3WxHF-36A and DG3WxHFr-36A, DeltaGrip Sidelap.
      2. Sidelaps: 3WxHF-36A and 3WxHFr-36A, Standard standing seam sidelap interlock.
      3. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC): Minimum 0.60 when used with polyisocyanurate insulation board.
  1. COMPOSITE FLOOR DECK

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

* + 1. Basis of Design: 3WxH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0290 inch (0.759 mm).
      2. Thickness: 21 gage, 0.0330 inch (0.838 mm).
      3. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      4. Thickness: 19 gage, 0.0420 inch (1.07 mm).
      5. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      6. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: 3WxH-36, Standard standing seam sidelap interlock.
      2. Sidelaps: 3WxHS-36, Standing seam screwable sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: 2WH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0295 inch (0.759 mm).
      2. Thickness: 21 gage, 0.0330 inch (0.838 mm).
      3. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      4. Thickness: 19 gage, 0.0420 inch (1.07 mm).
      5. Thickness: 18 gage, 0.0474 inch (1.21 mm).
      6. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: 2WH-36, Standard standing seam sidelap interlock.
      2. Sidelaps: 2WHS-36, Standing seam screwable sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: BH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: BH-36, Standard standing seam sidelap interlock.
      2. Sidelaps: BHN-36, Nestable Sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
    1. Basis of Design: NH Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 3 foot 6 inches (1067 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 22 gage, 0.0299 inch (0.759 mm).
      2. Thickness: 20 gage, 0.0359 inch (0.912 mm).
      3. Thickness: 18 gage, 0.0478 inch (1.21 mm).
      4. Thickness: 16 gage, 0.0598 inch (1.52 mm).

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

* + - 1. Sidelaps: NH-32, Standard standing seam sidelap interlock.
      2. Sidelaps: NHN-32, Nestable Sidelap.

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

* + - 1. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Material: Prime Shield - Primer coated steel conforming to ASTM 1008.
         1. Grade: Gr50.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
  1. NON-COMPOSITE FLOOR DECK
     1. Basis of Design: C1.4/CP-32 Panels; as manufactured by ASC Steel Deck.
        1. Depth: 1-3/8 inches (35 mm).
        2. Width: 32 inches (813 mm).
        3. Standard Lengths: 4 feet (1219 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 26 gage, 0.0195 inch (0.495 mm).
      2. Thickness: 24 gage, 0.0254 inch (0.645 mm).
      3. Thickness: 22 gage, 0.0314 inch (0.759 mm).
      4. Thickness: 20 gage, 0.0374 inch (0.912 mm).
      5. Thickness: 18 gage, 0.0480 inch (1.21 mm).
      6. Sidelaps: C1.4/CP-32, Nestable Sidelap.
      7. Material: Galvanized steel conforming to ASTM A653.

\*\* NOTE TO SPECIFIER \*\* Grade Gr40 is only for 18 gage thickness. Delete grade option not required.

* + - * 1. Grade: Gr80.
        2. Grade: Gr40.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.
    1. Basis of Design: C0.9-32 Panels; as manufactured by ASC Steel Deck.
       1. Depth: 7/8 inches (22 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 4 feet (1219 mm) to 45 feet (13,716 mm).

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

* + - 1. Thickness: 26 gage, 0.0195 inch (0.495 mm).
      2. Thickness: 24 gage, 0.0254 inch (0.645 mm).
      3. Thickness: 22 gage, 0.0314 inch (0.759 mm).
      4. Thickness: 20 gage, 0.0374 inch (0.912 mm).
      5. Sidelaps: Co.9-32, Nestable Sidelap.
      6. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr80.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.
  1. CELLULAR COMPOSITE FLOOR DECK

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

* + 1. Basis of Design: 3WxHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.035 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.035 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.035 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.047 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.047 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.047 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.059 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.059 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.059 inch (1.52 mm)/0.059 inch (1.50 mm).
      10. Sidelaps: 3WxHF-36 and 3WxHFr-36, Standard standing seam sidelap interlock.
      11. Material: Galvanized steel conforming to ASTM A653.
          1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: 2WHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.035 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.035 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.035 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.047 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.047 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.047 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.059 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.059 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.059 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: 2WHF-36 and 2WHFr-36, Standard standing seam sidelap interlock.
      2. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: BHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: BHF-36 and BHFr-36, Standard standing seam sidelap interlock.
      2. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
    1. Basis of Design: NHF Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).
      10. Sidelaps: NHF-32 and NHFr-32, Standard standing seam sidelap interlock.
      11. Material: Galvanized steel conforming to ASTM A653.
          1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
  1. CELLULAR COMPOSITE ACOUSTICAL FLOOR DECK

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

* + 1. Basis of Design: BHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 1.5 inches (38 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: BHF-36A and BHFr-36A, Standard standing seam sidelap interlock.
      2. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC):

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

* + - * 1. Minimum 0.80 when used with unfaced fiberglass insulation batts.
        2. Minimum 0.70 when used with encapsulated fiberglass insulation batts wrapped with clear plastic film.
    1. Basis of Design: NHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 32 inches (813 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).
      10. Sidelaps: NHF-32A and NHFr-32A, Standard standing seam sidelap interlock.
      11. Material: Galvanized steel conforming to ASTM A653.
          1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC):

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

* + - * 1. Minimum 0.85 when used with unfaced fiberglass insulation batts.
        2. Minimum 0.85 when used with encapsulated fiberglass insulation batts wrapped with clear plastic film.
    1. Basis of Design: 2WHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 2.125 inches (54 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).

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

* + - 1. Sidelaps: 2WHF-36A and 2WHFr-36A, Standard standing seam sidelap interlock.
      2. Material: Galvanized steel conforming to ASTM A653.
         1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC):

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

* + - * 1. Minimum 0.70 when used with unfaced fiberglass insulation batts.
        2. Minimum 0.60 when used with encapsulated fiberglass insulation batts wrapped with clear plastic film.
    1. Basis of Design: 3WxHFA Panels; as manufactured by ASC Steel Deck.
       1. Depth: 3 inches (76 mm).
       2. Width: 36 inches (914 mm).
       3. Standard Lengths: 5 feet (1524 mm) to 40 feet (12,192 mm).

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

* + - 1. Thickness: 20/20 gage, 0.0359 inch (0.912 mm)/0.036 inch (0.914 mm).
      2. Thickness: 20/18 gage, 0.0359 inch (0.912 mm)/0.047 inch (1.19 mm).
      3. Thickness: 20/16 gage, 0.0359 inch (0.912 mm)/0.059 inch (1.50 mm).
      4. Thickness: 18/20 gage, 0.0478 inch (1.21 mm)/0.036 inch (0.914 mm).
      5. Thickness: 18/18 gage, 0.0478 inch (1.21 mm)/0.047 inch (1.19 mm).
      6. Thickness: 18/16 gage, 0.0478 inch (1.21 mm)/0.059 inch (1.50 mm).
      7. Thickness: 16/20 gage, 0.0598 inch (1.52 mm)/0.036 inch (0.914 mm).
      8. Thickness: 16/18 gage, 0.0598 inch (1.52 mm)/0.047 inch (1.19 mm).
      9. Thickness: 16/16 gage, 0.0598 inch (1.52 mm)/0.059 inch (1.50 mm).
      10. Sidelaps: 3WxHF-36A and 3WxHFr-36A, Standard standing seam sidelap interlock.
      11. Material: Galvanized steel conforming to ASTM A653.
          1. Grade: Gr50.

\*\* NOTE TO SPECIFIER \*\* Delete metal coating weight option not required.

* + - * 1. Metallic Coating Weight: G60.
        2. Metallic Coating Weight: G90.

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

* + - * 1. Primer Color: Gray.
        2. Primer Color: White.
      1. Beam to Pan Connection Type:

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

* + - * 1. Welded attachments (F) with resistance welds in accordance with UL 209.
        2. Smooth Series (Fr) with rivetted attachment.
      1. Noise Reduction Coefficient (NRC):

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

* + - * 1. Minimum 0.80 when used with unfaced fiberglass insulation batts.
        2. Minimum 0.60 when used with encapsulated fiberglass insulation batts wrapped with clear plastic film.
  1. SIDELAP ATTACHMENTS

\*\* NOTE TO SPECIFIER \*\* First option below is for roof deck only. Delete sidelap attachment options not required.

* + 1. DeltaGrip attachment made on interlocking deck sidelaps with ASC Steel Deck and DeltaGrip Tool at spacing designated on the approved installation drawings.
    2. Button Punch connection made on standing seam sidelaps with Button Punch Tool at spacing designated on the approval drawings.
    3. Self-Drilling Screws used on screwable and nestable sidelaps. Minimum edge distances for screws are to be 1.5 times the shank diameter of the screws and spaced as designated on the drawings.

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

* + - 1. No. 10 screws.
      2. No. 12 screws.
    1. Top Seam Welds connect the standing seam deck sidelaps by welding the three layers of steel deck together. 3/8 x 1 inch (9.5 x 25 mm) welds are spaced as designated on the drawings.
  1. DECK ATTACHMENTS
     1. Deck attachment pattern will be as indicated on drawings. Attachment pattern to provide sufficient strength to resist shear due to lateral loading and wind uplift.

\*\* NOTE TO SPECIFIER \*\* First option below is for floor and form deck only. Delete attachment options not required.

* + 1. Headed Shear Stud Anchor:
       1. In accordance with ACI 318-14 and AISC 360-10.
       2. The welded stud shear connector strength assumes the weak position in the deck flute.
       3. Welded stud shear connectors shall extend 1.5 inches (38 mm) above the top of steel deck and shall have minimum of 0.5 inch (13 mm) concrete cover above the top of installed collector.
       4. Supporting member flange shall not be less than 0.3 inch (7.6 mm) thick unless the welded stud shear connector is welded over the web of the support.
    2. Welds:
       1. Arc Spot Welds:
          1. Steel deck welded at supports with minimum of 1/2 inch (13 mm) effective arc spot welds.
          2. Minimum substrate thickness of 0.135 inch (3.43 mm).
       2. Arc Seam Welds:
          1. Required at support locations adjacent to sidelaps with minimum 3/8 x 1 inch (9.52 x 25.4 mm) effective arc seam welds.
          2. Minimum substrate thickness of 0.135 inch (3.43 mm).
    3. Self-Drilling Screws:
       1. No. 12 screws:
          1. Minimum substrate thickness of 0.0385 inch (0.978 mm).
          2. Maximum substrate thickness of 0.210 inch (5.33 mm).
       2. No. 14 screws:
          1. Minimum substrate thickness of 0.125 inch (3.18 mm).
          2. Maximum substrate thickness of 0.500 inch (13 mm).
    4. Hilti Fasteners:
       1. Hilti X-HSN-24:
          1. Minimum substrate thickness of 0.125 inch (3.18 mm).
          2. Maximum substrate thickness of 0.375 inch (9.52 mm).
       2. Hilti ENP19 L15:
          1. Minimum substrate thickness of 0.250 inch (6.35 mm).
    5. Pneutek Fasteners:
       1. Pneutek fasteners to be driven with the Pneutek fastening system to ensure tight contact between fastener and steel deck.
       2. Pneutek SDK61:
          1. Minimum substrate thickness of 0.113 inch (2.87 mm).
          2. Maximum substrate thickness of 0.155 inch (3.94 mm).
       3. Pneutek SDK63:
          1. Minimum substrate thickness of 0.155 inch (3.94 mm).
          2. Maximum substrate thickness of 0.250 inch (6.35 mm).
       4. Pneutek SDK64:
          1. Minimum substrate thickness of 0.187 inch (4.75 mm).
          2. Maximum substrate thickness of 0.312 inch (7.92 mm).
       5. Pneutek SDK66:
          1. Minimum substrate thickness of 0.312 inch (7.92 mm).
  1. ACCESSORIES
     1. Profile Closures:

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

* + - 1. Profile Cut Neoprene Closures.
      2. Profile Cut Metal Closures.
    1. Flashings: Galvanized steel flashings formed from ASTM A653 CS Type A galvanized steel sheets.
    2. Acoustical Fiberglass Batts.

1. EXECUTION
   1. EXAMINATION
      1. Do not install roof deck until supporting construction is in place.
      2. Examine support framing and field conditions for compliance with requirements for installation tolerances and other conditions affecting the performance of work of this section.
      3. If supporting construction is the responsibility of another installer, notify the architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installing steel deck.
      2. Locate steel deck bundles to prevent overloading of support members.
      3. Place steel deck in accordance with approved installation drawings.
   3. INSTALLATION
      1. Install and fasten deck and accessories in accordance with the Contract Documents, approved installation drawings, manufacturer's documented instructions and requirements of ANSI/SDI C.
         1. Welds shall comply with AWS D1.3.
      2. Install temporary shoring, if required, before placing concrete.
      3. Place deck panels on structural supports and adjust to final position with ends aligned. Attach firmly to the supports immediately after placement to form a safe working platform.
      4. Cut and neatly fit deck units and accessories around openings and other work projecting through or adjacent to the decking.
      5. Trades that subsequently cut unscheduled openings through the deck are responsible for reinforcing the openings.
      6. Reinforce steel deck openings per contract documents and approved shop drawings.
      7. End Bearing: Install deck ends over supports with a minimum end bearing of 1.5 in. unless otherwise shown on approved installation drawings.

\*\* NOTE TO SPECIFIER \*\* The first paragraph below refers to roof decking. The second paragraph below refers to floor decking. Delete paragraph not required if not specifying both roof and floor decking.

* + 1. Side Closures: Fasten to supporting structure and roof deck in accordance with the Contract Documents, approved installation drawings and requirements of ANSI/SDI RD.
    2. Closures including pour stops, side closures, and floor deck closures: Fasten to supporting structure and deck in accordance with the Contract Documents, approved installation drawings and requirements of ANSI/SDI C.
    3. Acoustical Batt Insulation: Supplied by the deck manufacturer and installed by the erecting contractor prior to installation of insulation.
  1. FIELD QUALITY CONTROL
     1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* The first paragraph below refers to roof decking. The second paragraph below refers to floor decking. Delete paragraph not required if not specifying both roof and floor decking.

* + 1. Before roof insulation placement, the deck shall be inspected for tears, dents, or other damages that will affect the structural performance of the deck.
    2. Before concrete placement, the deck shall be inspected for tears, dents, or other damages that will affect the structural performance of the deck.
  1. CLEANING AND PROTECTION
     1. Protect installed products until completion of project.
     2. Steel deck is not to be used as a working platform or storage area until units are in position and permanently attached to the structure.
     3. Construction loads are not to exceed the load carrying capacity of the steel deck.
     4. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION