



ADDENDUM

JLG 24117.01 - Anchor Park: Concessions, team rooms, and bleachers

RE: Addendum 01

Issued: August 27, 2025

ADDENDUM #01

NOTICE TO BIDDERS

This Addendum is prepared to supplement information presented in the Drawings and Project Manual dated July 31, 2025 for the above-referenced project. All additions, changes, omissions, and conditions listed herein shall become an integral part of the Contract Documents. Document receipt of this Addendum on the Bid Form (if applicable). Failure to do so may disqualify you from bidding.

GENERAL

1. JLG Architects: Architectural Narrative (2 pgs)
2. Nelson-Rudie: Electrical Narrative (1 pgs)

BID QUESTIONS & ANSWERS

1. Please confirm that the Canopy above the Bleachers is 'By Others' as shown on 4C/A203. If not, please provide more information.
 - a. Response: The fabric shade canopy is included in the project but does not have to be included in the aluminum bleacher contractors. See specification section 13 3100 Fabric Structures for more information on fabric shade and structure. See revised sheet A203.
2. In the request for proposal "Description of Work" section, it mentions that Bleacher structures are prescribed to be installed. We do see that the plans show bleachers and I have attached them to this email. However, we do not have a specification section that pertains to Bleacher structures.
 - a. Response: See attached specification section 13 3416 - ALL ALUMINUM FRAMED BLEACHER.
3. The specifications do not match the bleacher drawings. Section 12000 are for "fixed upholstered" seating. Section 13000 is for "fabric shade" only, no mention of bleachers. The drawing is for aluminum seating. Can we get clarification on what is actually bidding as far as the outdoor seating.
 - a. Response: Aluminum seating and a fabric shade are included in the project. See attached specification section 13 3416 - ALL ALUMINUM FRAMED BLEACHER and specification section 13 3100 Fabric Structures.
4. No detail pertaining to the press box roof is given. Please provide.
 - a. Roof to be designed by Bleacher Supplier. See attached specification section 13 3417 - PRESS BOX.
5. Does alternate 6A-1 & 6B-1 apply to entirety of parapet wall system? Please confirm.
 - a. Response: Alternate 6A-1 and 6B-1 are applicable for the full parapet wall system. The differences being the material used to frame the parapet (CMU in 6/S400, structural steel channels in 6A-1, and CFS in 6B-2).
6. Canopy at the front entrance is discontinued from CR Laurance (spec'd). Please provide alternate.
 - a. Response: Remove specification section 10 7300 - ALUMINUM TRELLIS. See attached specification section 10 7113.43 - FIXED SUN SCREENS.
7. Confirm footing type at the north end of bleachers on column line BL6 and adjacent to TWF2 just north of that.
 - a. Response: Footing types for bleacher and canopy structures will be as follows: pad footings with piers for columns apart of fabric canopy structure, thickened slabs at all load bearing elements of aluminum bleachers (locations unknown), thickened slab edge around extents of aluminum bleacher layout. Referenced unknown footing should be a thickened slab where the aluminum bleacher provider is to place a ramp.
8. Sizing of baseplates for the canopy steel?
 - a. Response: Fabric Canopy Structure is Design Build by General Contractor.
9. Column sizing so we can plan supports around them?

- a. Response: Fabric Canopy Structure is Design Build by General Contractor.
- 10. Anticipated sway of the columns so we can design enough space to not impact the bleachers?
 - a. Response: Fabric Canopy Structure is Design Build by General Contractor.

SPECIFICATIONS

- 1. 00 0110 – TABLE OF CONTENTS
 - a. Updated TOC to include new specification sections
- 2. 10 7300 – ALUMINUM TRELLIS
 - a. Removed section in its entirety
- 3. 10 7113.43 – FIXED SUN SCREENS
 - a. Added section in its entirety
- 4. 12 6100 – FIXED AUDIENCE SEATING
 - a. Removed section in its entirety
- 5. 13 3416 – ALL ALUMINUM FRAMED BLEACHER
 - a. Added section in its entirety
- 6. 13 3417 – PRESS BOX
 - a. Added section in its entirety

DRAWINGS

Architectural

- 1. A203 - FLOOR PLAN - BLEACHERS
 - b. Delete "By Others" at shade structure
 - c. Added specification callout/reference and updated SHEET SPEC ID LIST (13 3100 Fabric Structures, 13 3416 All Aluminum Framed Bleacher, and 13 3417 Press Box)
 - d. Add Keynote 4
 - e. Revised Press Box to be 24' – 0" in width
 - f. Revised Bleachers to be 115' – 0" in width

Electrical

- 1. E200 – OVERALL POWER & SYSTEMS PLAN
 - g. See attached narrative from Nelson-Rudie.
- 7. E400 – PANEL SCHEDULES
 - a. See attached narrative from Nelson-Rudie.

END OF ADDENDUM #01

ADD #1

DATE: August 27 2025
TO: Erik Olson, JLG Architects
RE: Anchor Park – Concessions and Team Room Facility
Port Wentworth, GA
NR Project No.: 25-050

The following revisions shall be incorporated into the Plan/Document Type for the above referenced project 'Bid Set' issued 07/30/2025. Upon review, if you have questions or need additional information, please feel free to contact Adam Lehocky at Adam.Lehocky@nelsonrudie.com or Sarah Greff at Sarah.Greff@nelsonrudie.com

ELECTRICAL

Changes to Drawings

E200 OVERALL POWER & SYSTEMS PLAN (REISSUED):

1. Add Grinder Station motor to plan.
2. Add Keynote #338 for new Grinder Station.

E400 PANEL SCHEDULES (REISSUED):

1. Revised panelboard LP-1, adding power for new Grinder Station.

END OF ELECTRICAL

END OF ADD#1

SECTION 00 0110 - TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

Division 00 -- Procurement and Contracting Requirements

- 00 0105 - Certifications Page
- 00 0110 - Table of Contents
- 00 2600 - Procurement Substitution Procedure
- 00 3100 - Available Project Information

SPECIFICATIONS

Division 01 -- General Requirements

- 01 2300 - Alternates
- 01 2500 - Substitution Procedures
- 01 3000 - Administrative Requirements
- 01 3329 - Sustainable Design Reporting
- 01 4533 - Code-Required Special Inspections
 - Special Inspection Forms
- 01 6000 - Product Requirements
- 01 6116 - Volatile Organic Compound (VOC) Content Restrictions
- 01 7419 - Construction Waste Management and Disposal

Division 03 -- Concrete

- 03 2000 - Concrete Reinforcing
- 03 3000 - Cast-in-Place Concrete
- 03 3511 - Concrete Floor Finishes

Division 04 -- Masonry

- 04 2000 - Unit Masonry

Division 05 -- Metals

- 05 1200 - Structural Steel Framing
- 05 2100 - Steel Joist Framing
- 05 3100 - Steel Decking
- 05 5000 - Metal Fabrications

Division 06 -- Wood, Plastics, and Composites

- 06 1000 - Rough Carpentry
- 06 8316 - Fiberglass Reinforced Paneling

Division 07 -- Thermal and Moisture Protection

- 07 1900 - Water Repellents
- 07 2100 - Thermal Insulation
- 07 2119 - Foamed-In-Place Insulation
- 07 2600 - Vapor Retarders
- 07 2700 - Air Barriers
- 07 4213 - Metal Wall Panels
- 07 5400 - Thermoplastic Membrane Roofing
- 07 6200 - Sheet Metal Flashing and Trim
- 07 9200 - Joint Sealants

Division 08 -- Openings

- 08 1113 - Hollow Metal Doors and Frames
- 08 3313 - Coiling Counter Doors

08 7100 - Door Hardware
08 7105 - Hardware Groups
08 9100 - Louvers

Division 09 -- Finishes

09 2116 - Gypsum Board Assemblies
09 3000 - Tiling
09 5100 - Acoustical Ceilings
09 6700 - Fluid-Applied Flooring
09 9600 - High-Performance Coatings

Division 10 -- Specialties

10 1423 - Panel Signage
10 2113.19 - Plastic Toilet Compartments
10 2600 - Wall and Door Protection
10 2800 - Toilet, Bath, and Laundry Accessories
10 4400 - Fire Protection Specialties
10 5126 - Plastic Lockers
10 7114.43 - Fixed Sun Screens

Division 11 -- Equipment

11 4000 - Foodservice Equipment

Division 13 -- Special Construction

13 3100 - Fabric Structures
13 3416 - All Aluminum Framed Bleacher
13 3417 - Press Box

Division 20 -- GENERAL MECHANICAL

20 1000 - Mechanical General Provisions
20 5000 - Basic Mechanical Materials and Methods
20 7000 - Electrical Motors and Wiring
20 8000 - Painting and Identification

Division 22 -- Plumbing

22 0700 - Plumbing Insulation
22 1000 - Plumbing
22 2000 - Kitchen Equipment Plumbing
22 3000 - Plumbing Equipment
22 4000 - Plumbing Fixtures

Division 23 -- Heating, Ventilating, and Air-Conditioning (HVAC)

23 0593 - HVAC Testing, Adjusting, and Balancing
23 0700 - HVAC Insulation
23 3000 - HVAC Air Distribution
23 3423 - HVAC Power Ventilators
23 3713 - Diffusers, Registers and Grilles
23 8100 - Packaged Air Conditioners
23 8239 - Unit Heaters

Division 26 -- Electrical

26 0001 - General Provisions
26 0519 - Low-Voltage Electrical Power Conductors and Cables
26 0526 - Grounding and Bonding for Electrical Systems

- 26 0529 - Supports for Electrical Systems
- 26 0533 - Raceways and Boxes
- 26 0553 - Identification for Electrical Systems
- 26 0573 - Power System Studies
- 26 0583 - Wiring Connections
- 26 0923 - Lighting Control Devices
- 26 0943 - Network Lighting Controls
- 26 2100 - Low-Voltage Electrical Service Entrance
- 26 2200 - Low-Voltage Transformers
- 26 2413 - Switchboards
- 26 2416 - Panelboards
- 26 2726 - Wiring Devices
- 26 2813 - Fuses
- 26 2816 - Disconnect Switches
- 26 2913 - Motor Starters
- 26 4300 - Surge Protective Devices
- 26 5100 - Lighting
- 26 6000 - Electrical Heaters
- 26 7000 - Electrical Hand Dryers

Division 27 -- Communications

- 27 0528 - Low Voltage Raceway System - Communications

Division 28 -- Electronic Safety and Security

- 28 0528 - Low Voltage Raceway System - Security

Division 31 -- Earthwork

- 31 2316 - Excavation
- 31 2323 - Fill
- 31 3116 - Termite Control

SECTION 10 7113.43 - FIXED SUN SCREENS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Modular, shop fabricated, extruded aluminum sun screens to be mounted on structure provided by others.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

- A. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.
- B. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2023.
- C. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs; 2022.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Prior to commencement of fabrication, submit detailed shop drawings, showing all profiles, sections of all components, finishes, fastening details, and manufacturer's technical and descriptive data. Include field dimensions of openings and elevations on shop drawings.
- C. Design Data: Submit comprehensive structural analysis of design for the specified loads. Stamp and sign calculations by professional engineer.
- D. Designer's Qualification Statement.
- E. Specimen Warranty: Furnish a copy of manufacturer's standard warranty.

1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Perform structural design under direct supervision of a Professional Engineer experienced in design of this type of work licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with no less than five years of documented experience.
- C. Installer Qualifications: Company specializing in performing the work of this section.
 - 1. With minimum five years of documented experience.
 - 2. Approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to project site ready for erection.
- B. Package using methods that prevent damage during shipping and storage on site.
- C. Store materials under cover and elevated above grade.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Sun Screens: Correct defective work within a one year period after Date of Substantial Completion.
- C. Finish Warranty: Provide manufacturer's one year warranty on factory finish against cracking, peeling, and blistering.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fixed Aluminum Sun Screens:
 - 1. CRL: www.crlaurence.com.
 - 2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 SUN SCREENS

- A. Aluminum Sun Screens: Shop fabricated, shop finished, extruded aluminum outriggers, louvers, and fascia, free of defects impairing strength, durability or appearance.
 - 1. (SUN SCREEN-1):
 - a. Basis of Design: SCRL Mill Finish 12" Airfoil Blade - 146" Length by CRL.
 - b. Finish/Color: Mill.
 - c. Length: 146 inches.
 - d. Profile: Airfoil Tube.
 - 2. Exposed Aluminum Finish: Match Aluminum-Framed Storefront framing, refer to section for finish information.
 - 3. Provide a complete system ready for erection at project site.
 - 4. Shop fabricate to the greatest extent possible; disassemble if necessary for shipping.

2.03 MATERIALS

- A. Aluminum Coated Steel Sheet: ASTM A792/A792M.
- B. Concealed Structural Supports: Aluminum, or steel coated for corrosion resistance and dissimilar metal isolation.
- C. Fasteners: ASTM F593 stainless steel or ASTM A307 carbon steel.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and site area for conditions that might prevent satisfactory installation.
- B. Verify that dimensions of supporting structure are within plus/minus 1/8 inch (3.175 mm) of dimensions indicated on shop drawings.
- C. Verify that all adjacent painting, roofing, masonry work, and other work that might damage sun screen finish has been completed prior to installation of sun screens.
- D. Do not install until after all adjacent painting, roofing and masonry have been completed.
- E. Do not proceed with installation until all conditions are satisfactory.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's installation instructions.
- B. Set units level, plumb, with uniform joints, and aligned with building elements.
- C. Separate dissimilar metals using concealed bituminous paint or non-absorbent gasket.
- D. Anchor units to structure as indicated on drawings.
- E. Do not cut or trim aluminum members without approval of manufacturer; do not install damaged members.

3.03 TOLERANCES

- A. Maximum Variation from Level: Plus/Minus 1/8 inch (3.175 mm).

3.04 CLEANING

- A. Clean exterior surfaces units of dust and debris; follow manufacturer's cleaning instructions for the finish used.

3.05 PROTECTION

- A. Protect units after installation to prevent damage due to other work until Date of Substantial Completion.

SECTION 13 3416 - ALL ALUMINUM FRAMED BLEACHER

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- B. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2017a.
- C. ANSI/NFSI B101.1 - Test Method for Measuring the Wet SCOF of Hard-Surface Walkways; 2022.

1.02 GENERAL

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 - Specification sections, apply to work of this section.

1.03 SCOPE

- A. These Specifications cover the requirements for the design, fabrication, delivery and installation of the permanent all-aluminum grandstand system, including the following:
 - 1. Concrete foundations
 - 2. Back-to-back 40" Elevated Grandstand with Front Walkway
 - 3. Aluminum treads and risers
 - 4. Aluminum Aisle steps
 - 5. Guardrails and handrails
 - 6. Seating
 - 7. Ramps, stairs, and landings
 - 8. Grandstand finishes
 - 9. Vertical closure

1.04 RELATED SECTIONS AND DOCUMENTS

- A. Concrete – Division 3
- B. Pressbox – Division 13

1.05 CODES AND STANDARDS

- A. Perform all work in accordance with the latest editions and revisions of the following standards, which hereby become part of this section.
 - 1. ICC 300 – Standard for Bleachers, Folding and Telescopic Seating and Grandstands, Version based on project documents
 - 2. International Building Code, Edition 2018
 - 3. Local Building Code Amendments for Georgia
 - 4. AWS D1.2 – Structural Welding Code – Aluminum
 - 5. Aluminum Design Manual (ADM), 2015
 - 6. ACI 318 - Building Code Requirements for Structural Concrete
 - 7. The Society for Protective Coatings (SSPC)

1.06 GRANDSTAND CONTRACTOR QUALIFICATIONS

- A. Manufacturer/Fabricator Qualifications:
 - 1. Experience: Manufacturer/fabricator with not less than 10 years' experience with successful production of products and systems to the specified scope of Work, with a record of successful in-

service performance and completion of similar projects for a period of not less than 10 years, and with sufficient production capability, facilities, and personnel to produce required Work.

2. Approved manufacturer:

a. Dant Clayton Corporation – Louisville, KY

B. Installer Qualifications:

1. Experience: Installer with not less than 5 years' experience in performing specified scope of Work, with a record of successful in-service performance and completion of projects for a period of not less than 2 years, and with sufficient production capability, facilities, and personnel to produce required Work.

2. Manufacturer/Fabricator Acceptance: Installer shall be certified, approved, licensed, or acceptable to manufacturer/fabricator to install products.

C. Delegated Engineering Responsibility: Contractor shall employ a qualified professional engineer licensed in the state where the project is located to provide engineering for products and systems as required.

1.07 PERFORMANCE REQUIREMENTS

A. Design Loads: Engineer to withstand design loads including but not limited to gravity, wind, seismic, and erection design loads and shrinkage/thermal movements as established by authorities having jurisdiction, applicable local building codes, and as indicated.

1. Superimposed Dead Load 6 psf
2. Live Load 100 psf
3. Sway Load 24 plf per row parallel to row
4. Sway Load 10 plf per row perpendicular to row
5. Wind Load Design per local building code
6. Seismic Load Design per local building code
7. Guardrail Loads Design per local code

B. Grandstand System Self Weight: Self-weight of the grandstand system shall be incorporated into the project calculations for both foundations and framing.

C. Structural Deflections: Limit live load deflections of aluminum footboards, aluminum seatboards and structural steel framing and any other flexural members to L/200 of the span.

D. Structural Drift: Limit the horizontal frame drift of the grandstand system to H/200 of the frame height under sway, wind and seismic loads.

E. Dimensional Tolerances: Engineer and detail products, systems and connections back to primary structural elements to accommodate fabrication tolerances and dimensional tolerances of framing members and adjacent construction.

1.08 SUBMITTALS

A. Approval Drawings: Submit for review detailed approval drawings as follows:

1. Drawings shall include at a minimum:
 - a. All dead, live and other applicable loads used in the design.
 - b. Detailed and dimensioned foundation, framing, layout, and seating plans.
 - c. Foundation sizes, locations and elevations shall be shown in compliance with surrounding Work and relationships to finish grade.
 - d. Seating plans indicate all aisles, walkways, seating sections and exits.
 - e. Sections and details showing complete methods of assembly and anchorage:
 - 1) Show riser heights and platform widths
 - 2) Show stair and ramp sections including railings

- 3) Show overall sections showing railings systems, sightlines (when required by scope)
 - f. Connection details showing size, type, and grade of all plates, bearings, inserts and anchors.
 - g. Finishes.
 - h. Joint covers.
- 2. All approval drawings submitted shall be sealed by a professional engineer who is licensed in the state where the project is located.
- 3. Equipment Hung from Seating Units: No pipe, ducts or other equipment shall be hung from the seating units without written approval of the Delegated Design Engineer. Coordinate all attachment methods and fastener types with the Delegated Design Engineer to ensure they are suitable for the selected system.
- B. Delegated Design Engineering Calculations: Calculations submittal for products indicated to demonstrate conformance with specified design loads, element stiffness and performance requirements including structural analysis data signed and sealed by the professional engineer responsible for their preparation licensed in the state where the project is located.
- C. Qualification Data: For firms and people specified in "Quality Assurance" to demonstrate their capabilities, experience and qualifications. Submit for record lists of completed projects with project names and addresses, names and addresses of Architects and Owners, and other information specified
 - 1. Manufacturer qualifications
 - 2. Professional Engineer qualifications
- D. Samples for Verification: For each type of exposed material, color, finish and texture.
- E. Warranty: Sample standard warranty.

1.09 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver grandstand components in such quantities and at such times to sufficient for construction activities to occur without delay.
- B. Storage: Store components with adequate dunnage.
- C. Handling: Handle and transport components in a position consistent with their shape and design to avoid excessive stresses which would cause damage.

1.10 QUALITY CONTROL BY CONTRACTOR

- A. For grandstand members furnished under this Section, quality control inspection and testing shall occur during the manufacture of the components, and the components are subject to the approval of the engineered seating bowl supplier's Quality Control Manager.
- B. Plant Quality Control: Provide copies of plant quality control program describing procedures for the following:
 - 1. Overall quality control measures
 - 2. Verifying sizes and critical dimensions of members.
 - 3. Verifying position of plates, inserts, and other embedded items.
 - 4. Final inspection of products prior to shipment.

1.11 WARRANTY

- A. Special Warranty: Manufacturer's standard 1-year warranty is required in which manufacturer agrees to repair finish or replace components that fail in materials or workmanship within specified warranty period.

PART 2 PRODUCTS

2.01 PERMANENT ALL ALUMINUM GRANDSTAND SYSTEM COMPONENTS

- A. Single Source Responsibility: Furnish each type of product from a single manufacturer/fabricator. Provide secondary materials only as recommended by manufacturer/fabricator of primary materials.
- B. Basis of Design: The design for permanent all aluminum grandstand is based on a system designed and engineered by Dant Clayton.
- C. Concrete Foundations and Slabs: Design of concrete foundations shall be based on an assumed 1,000 psf minimum bearing capacity and validated by the project geotechnical engineer
 1. All design, detailing, fabrication and installation shall be in accordance with ACI 318.
 2. Cast-in-place concrete shall have a minimum compressive strength of 4,500 psi (31026.42 kPa) with air entrainment of 6% +/- 1%.
 3. All reinforcing steel shall be in accordance with ASTM A615 with a minimum yield strength of 60,000 psi (413685.60 kPa).
 4. Provide a minimum 6" thick layer of free draining compacted granular fill beneath the concrete slab.
- D. Aluminum: Provide aluminum components at locations as shown on drawings, noted below and in compliance with the following:
 1. All detailing, fabrication, and erection shall be in accordance with the code required edition of the Aluminum Design Manual.
- E. Understructure
 1. Understructure shall be fabricated from 6061-T6 alloy aluminum extrusions. Steel angle frame is not acceptable.
 2. Vertical members shall be 2 7/8" O.D. tubing
 3. Horizontal braces and footrest supports shall be 3" x 2 7/8" channel.
 4. Cross braces and diagonals shall be 2 1/4" x 7/8" channel
 5. Handrail support shall be 2 5/8" O.D. tubing.
 6. The understructure shall be assembled from the above items in an interlocking design using 7/16" x 3 1/2" hot-dipped galvanized bolts
 7. The structure shall be a bolted design so that in the event of accidental damage the sub-component parts may be replaced using common hand tools. Field welding for repair purposes shall not be considered
 8. Aluminum angle understructure is an acceptable substitution provided 3" x 3" x 1/4" aluminum angles are used for vertical and horizontal members. Smaller sizes are specifically prohibited. Understructure will be a bolted assembly.
 9. Primary structural members shall be bolted together, or calculations must be submitted verifying that the structure has taken into account the weakening of aluminum associated with welding per AA ADMI.
- F. Decking System
 1. Footboards
 - a. The deck planking shall be maintenance free, corrosion resistant all aluminum decking
 - b. Decking shall be 6063-T6 extruded aluminum with fluted surface. Extrusions shall have a minimum actual vertical support rib height of 1.75" and a nominal wall thickness of 0.080"
 - c. There will be no gaps between the longitudinal joints of the planking.

- d. All aluminum extrusions shall be directly attached to the aluminum support structure without the use of hardware. Attachment shall be positive snap and interlock design. The use of bolt clips, bolt runners, or other friction-type fastening devices are not acceptable.
- G. Risers
- 1. The decking riser system shall be extruded aluminum; alloy 6063-T6 with a fluted surface and a wall thickness of 0.78".
 - 2. Fluted opening in the decking and risers system for attachment of seats, seat brackets and railing systems are not acceptable due to their tendency to collect debris, attract insects, and require excessive owner maintenance.
- H. Seating
- 1. Aluminum Bench Seats:
 - a. Seats shall be 6063-T6 extruded aluminum with a fluted surface and a wall thickness of 0.078". Seatboards shall be a minimum of 9 1/2" wide actual, with outside legs of 1 3/4" actual vertical height and shall have two internal legs with a vertical height of 2 5/8".
 - b. Seatboards shall attach with one 3/8" diameter bolt and shall be designed for positive physical fastening. Bolt clips, bolt runners or other friction-type fastening devices are not acceptable.
 - 2. Aluminum Bench Seats with Backrest:
 - a. Seats shall be 6063-T6 extruded aluminum with a fluted surface and a wall thickness of 0.078". Seatboards shall be a minimum of 9 1/2" wide actual, with outside legs of 1 3/4" actual vertical height and shall have two internal legs with a vertical height of 2 5/8".
 - b. Shop bent aluminum backrest stanchion brackets shall be 6063-T6 extruded aluminum, welded to attachment angle. The bracket assembly attaches to each seat support using galvanized hardware.
 - c. Stanchions shall be heat treated and clear anodized (unless otherwise noted in Finishes).
 - d. Contoured 7" aluminum backrest shall be 6063-T6 extruded aluminum with fluted surface and extruded legs that allow it to rest on the tops of the stanchion brackets.
 - e. Ends of backrest shall have cast aluminum endcaps.
 - 3. Colosseum 1 – Molded Plastic Seat (19") in front of press box:
 - a. Seat construction shall be one-piece, double wall construction, rotationally molded, polyethylene, with an average wall thickness of 3/16".
 - b. The chair back must be compound curved and full-length, and an integral part of the seat unit, with no gap construction between the back and the seat pan.
 - c. The seat pan shall be the full width of the chair. The seat pan shall be designed so any water or liquid spills will be channeled to a drainage slot which releases water or liquid under the seat.
 - d. Polyethylene shall be treated with ultraviolet inhibitors and proper pigments to ensure minimum fading.
 - e. Mounting brackets: Aluminum extrusion which will attach to vertical post of understructure, secured at each post by 3/8" diameter bolt and shall be designed for positive physical fastening.
 - f. Seat numbers for chairs shall be anodized aluminum plates, attached with rivets. Numbers shall be 1" high, minimum and finished in weather-resistant recessed pockets.
 - 4. Handicap Seating as shown on drawings. Companion locations to have backrests. Deviations from handicapped seating design are not allowed.

- I. Aisle Steps
 - 1. Aisle step units are to be provided at all intermediate aisle locations as shown on the architectural drawings and be made from 1.75" aluminum extrusions and plate material.
 - 2. Aisle step units shall be mounted to the stadia system with pop rivets or galvanized hardware.
 - 3. Aisle steps will be designed to satisfy row depth with vertical closure panels at the ends of the intermediate steps. No cavity or recessed closure is allowed in area of foot travel.
 - 4. Provide a finish and texture matching that of the stadia tread and riser system to which they are installed. See Finishes.
 - 5. Provide stair nosing at steps and treads.
 - 6. Shall be designed to resist loads imposed from any step mounted rails.
- J. Guardrail & Handrail System
 - 1. Chain Link Fence Guardrail System:
 - a. Guardrails shall be anodized aluminum extruded channel, 3" x 2 7/8", 6061-T6 alloy, anodized to clear 204R1
 - b. The guardrail system shall be of interlocking design with positive through-bolt fastening. The top rail shall be designed to fully cover the rail support posts for a totally snag-free area and eliminate the potential of sharp edge contact with spectators.
 - c. Chain link Fence shall be 2" mesh, 6 gauge black vinyl coated fabric
 - 2. Handrail System
 - a. Aluminum handrails shall be provided in all areas required by building code and as indicated on the architectural drawings at all locations of new aluminum stadia treads and risers.
 - b. Handrails shall be 1 15/16" O.D. extruded aluminum pipe. Straight pipe shall be 6061-T6 aluminum alloy with minimum yield strength of 35 ksi. Bent pipe shall be 6061-T4 aluminum alloy with minimum yield strength of 21 ksi.
 - c. Aisle handrails shall be two-line and feature internal fittings for both lines of rail. External fittings are not permitted.
 - d. Aisle handrails shall be mounted to the aisle steps with connecting bracket or floor flange.
 - e. Handrails on all ramps and stairs shall provide 1-1/2" clearance from the guardrail material and shall extend 12" past the last riser with a return. Newel posts will not interrupt handrails. Handrails will not project more than 4.5" into the width of a stair or ramp.
- K. Stairs
 - 1. Shall conform to all above pertinent criteria consistent with the component design of the grandstand.
 - 2. Shall be self-supporting and shall not attach to or be suspended from any footboard or decking member.
 - 3. Stairs shall be fully closed deck tread and riser.
 - 4. Handrail will be inset from guardrail 1 1/2" to 3".
- L. Ramps
 - 1. Frames shall be 9" x 1.40 extruded aluminum mill finish channel with 3" x 1.4" extruded aluminum mill finish vertical channel columns.
 - 2. Treads shall be 6063-T6 extruded aluminum with a fluted surface and a minimum wall thickness of .078". Minimum vertical height of treads shall be 1.75" actual.
 - 3. Handrail will be inset from guardrail 1 1/2" to 3". Guardrail will not be used for handrails.
 - 4. Guardrailing to match grandstand design unless otherwise noted.

5. Decking: aluminum extrusions will run perpendicular to the direction of traffic. Deck aluminum extrusions shall interlock for additional rigidity.
 6. Anti-skid tape is not allowable to correct for deviations to paragraph 4 above.
- M. End Caps
1. All end caps shall be one-piece cast aluminum and shall be friction fit to the plank without the use of mechanical fasteners.
- N. Hardware
1. Bolts used for field installation shall be galvanized
 2. Primary connections, i.e. seat, cross-brace, handrail (rail and posts) shall be made with minimum of 3/8" diameter hardware
 3. Stainless steel expansion anchors
- O. Vertical Closure System (optional) choose which type
1. Corrugated Aluminum Riser
 - a. Riser closure shall consist of an overlapping configuration of 8" x 0.100" wall thickness 6063-T6 aluminum extrusions, with a 1" forward facing corrugation.
 - b. Riser overlap shall be ½" min. and 2" max.
 - c. Riser closure to span between rail post spaced at 6'-0" c/c.
 - d. Aluminum top cap to be provided where gaps are created between top of closure and decking walking surface.
 - e. Closure to be attached to rail post with stainless steel mechanical screws.
 2. [Flat Stackable Riser
 - a. Riser closure shall consist of a stackable snap-in 1" x 6" 6063-T6 aluminum extrusion with 0.100" wall thickness. Stacked risers to provide a flat finish front
 - b. Riser closure to span between rail post spaced at 6'-0" c/c.
 - c. Aluminum top cap to be provided where gaps are created between top of closure and decking walking surface.
 - d. Closure to be attached to rail post with stainless steel mechanical screws.]
- P. Finishes
1. Aluminum:
 - a. Aluminum Finish Descriptions:
 - 1) Mill Finish: natural appearance of the aluminum as it comes from the rolling mill with no further surface treatment.
 - 2) Anodized Finish: Anodized aluminum provided shall meet or exceed AAMA 611-14 specifications for Anodized Architectural Aluminum
 - 3) Powder Coat Finish: Powder coat system provided shall meet or exceed AAMA 2604 specification for Super Durable Polyester TGIC
 - 4) Slip Resistant Deck – SRD: Mill finish aluminum that has a sandblasted walking surface to meet the textured finish noted below
 - 5) Stain and Slip Resistant Deck – SSRD: Powder coat and textured finish meeting the textured finish noted below, and the powder coat finish above
 - b. Footboards and Walkways
 - 1) Mill
 - 2) Slip Resistance of Walking Surfaces:

- (a) All stadia system walking surfaces will provide an equivalent or greater Static Coefficient of Friction (SCOF) of 0.6 inch (15.24 mm) all directions of travel, using ANSI/NFSI B101.1-2009 testing method by the National Floor Safety Institute.
- c. Risers
 - 1) Powder Coated
- d. Seat boards
 - 1) Anodized
- e. Backrests
 - 1) Powder Coated
- f. Vertical Closure
 - 1) Powder Coated

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas and conditions with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the work
- B. Before installation proceeds, installer shall prepare written report, endorsed by installer, listing conditions detrimental to performance of the work. This includes survey of elevations and locations of concrete foundations or pads and anchor bolts to verify compliance with the requirements of the grandstand manufacturers' specified tolerances.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install grandstand and all components according to manufacturer's written instruction and the approved shop drawings.
- B. Do no field cut, drill or alter structural members without written approval from grandstand system manufacturers' engineers.

3.03 CLEANING

- A. Clean all surfaces according to manufacturer's recommendations.
- B. Use cleaning solutions and methods that do not damage finishes or the adjacent surfaces.
- C. Mill finish aluminum surfaces are unprotected from oxidation. All mill finished aluminum will oxidize at various rates during the manufacturing, shipping, installation and usage of the grandstand as it is exposed to various weather conditions. Oxidation is natural and expected, and in no way impacts the life cycle or structural performance of the grandstand. Grandstand manufacturer is not responsible for repair, replacement or cleaning of oxidized aluminum.
- D. Remove all metal burrs, sharp edges or other cutting, unsafe, conditions.
- E. Touch up finishes as recommended by manufacturer.

SECTION 13 3417 - PRESS BOX

PART 1 GENERAL

1.01 GENERAL

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 - Specification sections, apply to work of this section.

1.02 SCOPE

- A. Furnish a prefabricated, modular press box equal to that provided by Dant Clayton Corporation, Louisville Kentucky

1.03 RELATED SECTIONS AND DOCUMENTS

- A. Permanent I-Beam Style Grandstand - Section 13 34 16

1.04 CODES AND STANDARDS

- 1. Perform all work in accordance with the latest editions and revisions of the following standards, which hereby become part of this section.
 - a. ICC 300 – Standard for Bleachers, Folding and Telescopic Seating and Grandstands
 - b. International Building Code, Edition 2024
 - c. National Electric Code, Edition 2024
 - d. International Mechanical Code, Edition 2024
 - e. International Energy Conservation Code, Edition 2024
 - f. Local Building Code Amendments Georgia

1.05 PRESS BOX CONTRACTOR QUALIFICATIONS

- A. Manufacturer/Fabricator Qualifications:
 - a. Experience: Manufacturer/fabricator with not less than 20 years' experience with successful production of products and systems to the specified scope of Work, with a record of successful in-service performance and completion of similar projects for a period of not less than 20 years, and with sufficient production capability, facilities, and personnel to produce required Work.
 - b. Approved manufacturer
 - 1) Dant Clayton Corporation: www.dantclayton.com.
- B. Installer Qualifications:
 - a. Experience: Installer with not less than 5 years' experience in performing specified scope of Work, with a record of successful in-service performance and completion of projects for a period of not less than 2 years, and with sufficient production capability, facilities, and personnel to produce required Work.
 - b. Manufacturer/Fabricator Acceptance: Installer shall be certified, approved, licensed, or acceptable to manufacturer/fabricator to install products.
- C. Delegated Engineering Professional Qualifications: Professional engineer legally authorized to practice in jurisdiction where Project is located and experienced in providing engineering services of kind indicated that have resulted in installations similar to this Project, and that has a record of successful in-service performance.

- D. Delegated Engineering Responsibility: Contractor shall employ a qualified professional engineer licensed in the state where the project is located to provide engineering for products and systems as required to meet design intent of Contract Documents including, but not limited to, the following:
 - a. Preparation of structural analysis data including engineering calculations, shop drawings, and other submittals signed and sealed by the qualified professional engineer responsible for their preparation.
 - b. Comprehensive engineering analysis indicating governing unit types, connections, unit thicknesses and including any special details or conditions.
 - c. Location, type, magnitude, and direction of loads imposed on the building structural frame from units.

1.06 PERFORMANCE REQUIREMENTS

- A. General Performance: Engineer press box to withstand loads within limits of allowable working stresses of the materials involved under conditions indicated and without permanent deformation or failure of materials.
- B. Design Loads: Engineer to withstand design loads including but not limited to gravity, wind, seismic, and erection design loads and shrinkage/thermal movements as established by authorities having jurisdiction, applicable local building codes, and as indicated.
 - a. Roof Dead Load 10 psf
 - b. Floor Dead Load 10 psf
 - c. Roof Live Load 20 psf
 - d. Floor Live Load 50 psf
 - e. Wind Load Design per local building code
 - f. Seismic Load Design per local building code
 - g. Snow Load Design per local building code
 - h. Guardrail Loads Design per local building code
- C. Pressbox System Self Weight: Self-weight of the pressbox shall be incorporated into the project calculations for both supporting structure and foundations. Coordinate support with 13 34 16 specifications.
- D. Structural Drift: Limit the horizontal frame drift of the pressbox to $H/200$ of the height under wind and seismic loads.
- E. Dimensional Tolerances: Engineer and detail products, systems, and connections back to primary structural elements to accommodate fabrication tolerances and dimensional tolerances of framing members and adjacent construction.
- F. Engineer pressbox for travel from point of fabrication and for installation. Pick points and loads required for crane strapping shall be clearly noted on the drawings.

1.07 SUBMITTALS

- A. Bidders with any deviation from the specifications must comply with the following requirements seven (7) days prior to the bid opening. Include manufacturer/fabricator's specifications for materials, finishes, construction details, installation instructions, and recommendations for maintenance.
 - a. Plan view and wall section showing complete detail of layout, connection, and trim detail.
 - b. Schedule of Work Experience, including names of contacts and phone numbers; 10 jobs minimum within the last five (5) years.
 - c. List of three (3) similar jobs within the past two (2) years – should owners (3 persons maximum) request a site visitation to these jobs, it will be at the bidder's expense.

- d. Resume including Corporate Officers, Sales Representatives, Technical Advisor, Project Manager, and Job site Superintendent.
 - e. Project schedule, including phasing with other trades and designation for all tasks, milestone dates for drawing submittal, fabrication time, key material delivery dates and designated dates of installation.
 - f. Shop drawings stamped and signed by a Professional Engineer licensed in the state of installation.
- B. Approval Drawings: Submit for review detailed approval drawings as follows:
- a. Drawings shall include at a minimum:
 - 1) All dead, live and other applicable loads used in the design.
 - 2) Detailed and dimensioned layout plans, framing plans, electrical plans, pick plans, roof plans and finish plans.
 - 3) Sections and details showing complete methods of assembly and anchorage.
 - 4) Connection details showing size, type, and grade of all plates, bearings, inserts and anchors.
 - 5) Description of all loose and installed hardware, plates, inserts, etc.
 - 6) Finishes.
 - b. All approval drawings submitted shall be sealed by a professional engineer who is licensed in the state where the project is located.
 - c. Coordination of Contract Documents and Work:
 - 1) Coordinate the design and installation of pressbox products and systems with interfacing and adjoining construction.
 - 2) Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts and items with integral anchors that are to be embedded in concrete.
- C. Delegated Design Engineering Calculations: Calculations submittal for products indicated to demonstrate conformance with specified design loads, element stiffness and performance requirements including structural analysis data signed and sealed by the professional engineer responsible for their preparation licensed in the state where the project is located.
- a. Pressbox Structural Design:
 - 1) Provide for review design calculations for dead load, live load, wind load, seismic load including deflections, and vibration control. Refer to "Performance Requirements" for explicit requirements.
 - b. Railings and guardrail inserts and connections: Shall be designed to resist design load reactions for all railings and guardrails. See related specification sections for design loads.
- D. Qualification Data: For firms and persons specified in "Quality Assurance" to demonstrate their capabilities, experience and qualifications. Submit for record lists of completed projects with project names and addresses, names and addresses of Architects and Owners, and other information specified.
- a. Manufacturer qualifications
 - b. Professional Engineer qualifications
- E. Samples for Verification: For each type of exposed material, color, finish and texture indicated below:
- a. Exterior Finishes: Manufacturer's standard colors, vinyl/steel siding options available.
 - b. Interior Finishes: Manufacturer's grey/tan package.
- F. Warranty: Sample of standard warranty.

1.08 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver press box components in such quantities and at such times to sufficient for construction activities to occur without delay.
- B. Storage: Store components with adequate dunnage.
 - a. Identification:
 - 1) Provide permanent markings to identify part numbers and orientation in the structure complying with markings indicated on final shop drawings. Markings on each component on shall be on a surface which will not show in finished structure.
 - 2) Provide additional marking as required by local building codes or ordinances.
- C. Handling: Handle and transport components in a position consistent with their shape and design to avoid excessive stresses which would cause damage.

1.09 PRE-INSTALLATION CONFERENCE

- A. Pre-Installation Conference: Before Installation begins, conduct conference to comply with requirements of applicable Division 01 Sections.
 - a. Required Attendees:
 - 1) Owner or Owner's Representative
 - 2) Architect
 - 3) Contractor
 - 4) Installer
 - 5) Manufacturer/fabricator's qualified technical representative
 - 6) Erectors of other construction interfaced with Work
 - 7) Owner's testing agency
 - b. Conference Agenda: Installer shall demonstrate understanding of the Work required by describing detailed procedures for preparing, installing, and cleaning the Work. Demonstration shall include, but not be limited to, the following topics:
 - 1) Tour representative areas of Work, inspect and discuss condition of substrate, and other preparatory work performed by other trades.
 - 2) Review Work requirements (Drawings, Specifications, and other Contract Documents).
 - 3) Review required submittals, both completed and yet to be completed.
 - 4) Review and finalize construction schedule related to Work and verify availability of materials, Erector's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 5) Review required inspection, testing, certifying, and material usage accounting procedures.
 - 6) Review environmental conditions and procedures for coping with unfavorable conditions.
 - 7) Resolve deviations or differences between Contract Documents and the manufacturer/fabricator's specifications.
 - c. Contractor shall record discussions of conference, including decisions and agreements reached, and furnish copy of record to each party attending. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.

1.10 QUALITY CONTROL BY CONTRACTOR

- A. For pressbox members furnished under this Section, quality control inspection and testing shall occur during the manufacture of the components, and the components are subject to the approval of the engineered press box supplier's Quality Control Manager.
- B. Plant Quality Control: Provide copies of plant quality control program describing procedures for the following:
 - a. Overall quality control measures.
 - b. Verifying sizes and critical dimensions of members.
 - c. Verifying position of plates, inserts, and other embedded items.
 - d. Final inspection of products prior to shipment.

1.11 WARRANTY

- A. Special Warranty: Manufacturer's standard 1-year warranty is required in which manufacturer agrees to repair finish or replace components that fail in materials or workmanship within specified warranty period.

PART 2 PRODUCTS

2.01 FLOOR CONSTRUCTION

- A. Bottom board: 1/2" ccx foundation grade treated plywood. Industrial grade asphalt-based paint. Continuous aluminum vents on 8' centers.
- B. Insulation: 6" R-19 fiberglass batts, with vapor barrier min. Pending COMcheck requirements.
- C. Joists: 2" x 6" #2 SYP, on 16" centers, longitudinal framing.
- D. Decking: 3/4" SturdiFloor, underlayment grade, tongue and groove Fir plywood, (index 24 inch (609.6 mm) O.C.).
- E. Covering: 1/8" Armstrong Excelon vinyl composition tile.
- F. Molding: 4" thermoplastic rubber base molding by Roppe.

2.02 WALL CONSTRUCTION (OPTIONS)

- A. Studs: 2" x 4", #2 or better SPF, spaced at 16" O.C. max.
- B. Bottom plate: 2" x 4" #2 or better SPF.
- C. Top plates: (2) 2" x 4" #2 or better SPF.
- D. Headers: as span and design load requires.
- E. Ceiling height: 8'-2" x 8'-0", front to back.
- F. Trim: white painted wood.
- G. Covering: Gold Bond, or equal, 5/8" vinyl-faced gypsum interior wall panels, class A rated.
- H. Insulation: R-13 fiberglass batts with vapor barrier min. pending COMcheck requirements.
- I. Sheathing: 1/2" CDX plywood exterior sheathing w/ building wrap weather barrier.
- J. Siding: metal sales "U-panel" 26 gauge ribbed steel panels with Kynar 500 finish color by owner.

2.03 ROOF CONSTRUCTION (OPTIONS)

- A. Joists: 2" x 8", #2 SYP, 16" O.C. spacing.
- B. Overhang: 15-1/2" over front wall; 6" over rear wall. 14" over the side walls. Metal fascia covering with perforated vinyl soffit panels.
- C. Ceiling: 5/8" type-x fire-rated gypsum board, taped and bedded with spray textured finish, class A rated.

- D. Insulation: R-19 fiberglass batts, with vapor barrier minimum pending COMcheck requirements.
- E. Decking: 3/4" tongue & groove-oriented strand board (index 24" O.C.).
- F. Covering: 060 EPDM rubber membrane, fully adhered.
- G. Covering: 060 polyester reinforced skid and spike resistant PVC membrane fully adhered.

2.04 WINDOWS (OPTIONS)

- A. Vinyl – Simonton energy star north-central, reflections 5500 2-lite slider w/o grid, (or equal) vinyl frames, w/ 7/8" prosolar low -E, argon filled tempered glass w/ removable insect screens.
- B. Aluminum – Wintech 6000 series (or equal) double horizontal slider window w/ extruded aluminum frames, AAMA LC-25 structural rating, w/ 3/4" insulated low-E, argon filled tempered glass and removable insect screens. White – color options available at extra cost/ lead time.
- C. Interior windows to be 1/4" tempered safety glass fixed pan with white jambs and casing. Frame material to match exterior windows.
- D. QMI roll shutters – security shutters

2.05 DOORS

- A. 18ga. Insulated hollow metal door with 16ga. Steel wrap around frames, 10"x10" viewing window, vinyl weather-stripping, aluminum threshold and lever handled lock sets.
- B. Doors (interior) - 1-3/8" solid-core with white wood jambs and casing and passage lever handled hardware.
- C. Cores- best core – construction core provided unless the customer provides alternate cores to install. If best-in not acceptable, provide manufacture and size, large or small.

2.06 ELECTRICAL (OPTIONS)

- A. Service entrance panel: with main disconnect; rated at 120/240v, single phase, 100-200 amp capacity.
- B. Receptacles:
 - a. Pass & Seymour CR20-W commercial spec grade duplex receptacle, 20A 125V, white, along the rear wall.
 - b. Wiremold 5400 series electric plug strips w/ receptacle and communication jack covers along front wall under counter.
- C. Lighting: 4' linear LED light
- D. Circuits: all branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit or MC cable.
- E. PTAC packaged terminal HVAC units with integral thermostats.
- F. Electric baseboard heater with thermostat.
- G. Service entrance panel: with main disconnect; rated at 120/208v, three phase, 100-200 amp capacity.

2.07 SCORERS' COUNTER (OPTIONS)

- A. 20" deep x 1 1/2" clear anodized finish aluminum countertop with rounded front nose. Mounted on brackets spaced a minimum of 32".
- B. 18" deep x 3/4" lauan grade plywood with 1-1/2" x 2" edge, surfaced with .060 plastic laminate.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas and conditions with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the work.

- B. Before installation proceeds, installer shall prepare written report, endorsed by installer, listing conditions detrimental to performance of the work. This includes survey of elevations and locations of concrete foundations or pads and anchor bolts to verify compliance with the requirements of the grandstand manufacturers' specified tolerances.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install press box and all components according to manufacturer's written instruction and the approved shop drawings.
- B. Installation: Shall be handled directly by the manufacturer or by a factory certified installation subcontractor.
- C. Erect per plans, shop drawings, and specifications.

3.03 CLEANING

- A. Clean all surfaces according to manufacturer's recommendations.
- B. Use cleaning solutions and methods that do not damage finishes or the adjacent surfaces.
- C. Remove all metal burrs, sharp edges or other cutting, unsafe, conditions.
- D. Touch-up and repair any damaged materials during transportation and installation.

3.04 OWNER RESPONSIBILITY

- A. Site Access.
- B. Final electrical and data hook-up.
- C. Inspections.