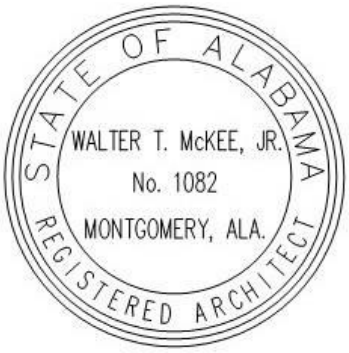
McKEE & ASSOCIATES
ARCHITECTS, INC.

Addendum No. 2
Date: October 30, 2023



Project:
Additions to Elberta
High School for the
Baldwin County Board of Education
Bay Minette, Alabama

MCKEE PROJECT NO. 23.198
ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT NO.

The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A2.1 GENERAL MODIFICATIONS:

A2.2 SPECIFICATION MODIFICATIONS:

A. Refer to **Section 08330, Coiling Doors (Revised 10.30.23)**, herein.

B. Refer to **Section 13125, Grandstands (Revised 10.30.23)**, herein.

C. The following manufactures are hereby approved subject to the plans and specifications:

1. Section **13120, Pre-Engineered Metal Building (PEMB)** – Vulcan Steel | Ph: 850.934.4494

A2.3 DRAWING MODIFICATIONS:

A. See the attached Revised Drawings as follows:

1. Sheet(s) **A0.1 and A3.1 (Revised 10.30.23)**, herein.

A2.4 CLARIFICATIONS & RESPONSES:

A. See the following responses to RFI questions received from Contractor's

Question: NONE.

Answer:

B. See the following clarifications as follows:

1. NONE.

END OF ADDENDUM

SECTION 08330 - COILING DOORS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Insulated Coiling Overhead Doors.

1.2 RELATED SECTIONS

A. Section 05500 - Metal Fabrications: Support framing and framed opening.

B. Section 08700 - Door Hardware: Product Requirements for cylinder core and keys.

1.3 REFERENCES

A. ANSI/DASMA 108 - American National Standards Institute Standard Method For Testing Sectional Garage Doors And Rolling Doors: Determination Of Structural Performance Under Uniform Static Air Pressure Difference.

B. NFRC 102 - Test Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems.

C. ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Element.

D. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

E. ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

F. ASTM A 666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

G. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.

H. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.4 DESIGN / PERFORMANCE REQUIREMENTS

A. Overhead coiling service doors:

1. Wind Loads: Design door assembly to withstand wind/suction load of 20 psf (958 Pa) without damage to door or assembly components in conformance with ASTM E 330.

2. Operation: Design door assembly, including operator, to operate for not less than 20,000 cycles.

B. Overhead coiling insulated doors:

1. Wind Loads: Design door assembly to withstand wind/suction load of 20 psf (958 Pa) without damage to door or assembly components in conformance with ASTM E 330.

2. Operation: Design door assembly, including operator, to operate for not less than 20,000 cycles.

C. Single-Source Responsibility: Provide doors, tracks, motors, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

1.5 SUBMITTALS

A. Submit under provisions of Section 01600.

B. Product Data: Manufacturer's data sheets on each product to be used, including:

1. Preparation instructions and recommendations.

2. Storage and handling requirements and recommendations.
3. Details of construction and fabrication.
4. Installation instructions.

C. Shop Drawings: Include detailed plans, elevations, details of framing members, anchoring methods, required clearances, hardware, and accessories. Include relationship with adjacent construction.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, color, and patterns.

F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

G. Operation and Maintenance Data: Submit lubrication requirements and frequency, and periodic adjustments required.

1.6 QUALITY ASSURANCE

A. Furnish each coiling door as a complete unit produced by one manufacturer, including hardware, accessories, mounting and installation components.

B. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years experience in the fabrication and installation of security closures.

C. Installer Qualifications: Installer Qualifications: Company specializing in performing Work of this section with minimum three years and approved by manufacturer.

D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1. Finish areas designated by Architect.
2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
3. Refinish mock-up area as required to produce acceptable work.
4. Anchorages: Furnish all anchoring devices and provide setting drawings, templates, instructions and directions for installation of anchoring devices. Coordinate delivery with other work to avoid delay.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.

C. Store materials in a dry, warm, ventilated weathertight location.

1.8 PROJECT CONDITIONS

A. 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 absolute limits.

1.9 COORDINATION

A. Coordinate Work with other operations and installation of adjacent materials to avoid damage to installed materials.

1.10 WARRANTY

A. Warranty: Manufacturer’s limited door and operator system, except the counterbalance spring and finish, to be free from defects in materials and workmanship for 3 years or 20,000 cycles, whichever occurs first.

B. Warranty: Manufacturer's limited door system warranty for 2 years for all parts and components.

C. PowderGuard Finish

1. PowderGuard Max: Applied to curtain, guides, bottom bar, headplates: Manufacturer's limited Max Finish warranty for 5 years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Overhead Door Corp., 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: www.overheaddoor.com. E-mail: info@overheaddoor.com.

B. Raynor; 1101 East River Road, Dixon, IL 61021-0448; www.raynor.com; PH: 815.285.7144.

C. Cookson; 1901 South Litchfield Road, Goodyear, AZ 85338; www.cooksondoor.com; PH: 800.294.4358

D. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 INSULATED COILING OVERHEAD DOORS

A. Overhead Coiling Stormtite Insulated Service Doors: Overhead Door Corporation Model 625.

1. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.

a. Flat profile type F-265i for doors up to 40 feet (12.19 m) wide.

b. Front slat fabricated of:

i. 24 gauge galvanized steel.

c. Back slat fabricated of:

i. 24 gauge galvanized steel.

d. Slat cavity filled with CFC-free foamed-in-place, polyurethane insulation.

i. R-Value: 7.7, U-Value: 0.13.

ii. Sound Rating: STC-21.

2. Performance:

a. Through Curtain Sound Rating: Sound Rating: STC-28 (STC-30+ with HZ noise generator) as per ASTM E 90.

b. Installed System Sound Rating: STC-21 as per ASTM E 90.

c. U-factor: 0.91 NFRC test report, maximum U-factor of no higher than 1.00.

d. Air Infiltration: Meets ASHRAE 90.1 & IECC 2012/2015 C402.4.3 Air leakage <1.00 cfm/ft2.

3. Slats and Hood Finish:

a. Galvanized Steel: Slats and hood galvanized in accordance with ASTM A 653 and receive rust-inhibitive, roll coating process, including 0.2 mils thick baked-on prime paint, and 0.6 mils thick baked-on polyester top coat.

i. Powder Coat:

1) PowderGuard Max powder coat, color as selected by Architect.

ii. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer.

4. Weatherseals:

a. Vinyl bottom seal, exterior guide and internal hood seals.

b. Interior guide weatherseal.

c. Lintel weatherseal.

d. Air Infiltration Package, IECC 2012/2015 listed; product to meet C402.4.3 2012 Air leakage <1.00 cfm/ft2.

i. Air infiltration perimeter seal package includes: guide cover, guide cap, dual brushexterior guide seal, 4 inch finned lintel brush seal and vinyl bottom seal.

5. Bottom Bar:

a. Two galvanized steel angles minimum thickness 1/8 inch (3 mm) bolted back to back to reinforce curtain in the guides.

6. Guides: Three structural steel angles.

7. Brackets:

a. Galvanized steel to support counterbalance, curtain and hood.

8. Finish; Bottom Bar, Guides, Headplate and Brackets:

a. Finish: PowderGuard Max powder color as selected by the Architect.

9. Counterbalance: Helical torsion spring type housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch per foot of span. Counterbalance is adjustable by means of an adjusting tension wheel.

10. Hood: Provide with internal hood baffle weatherseal.

a. 24 gauge galvanized steel with intermediate supports as required.

11. Manual Operation:

a. Chain hoist.

12. Windload Design:

a. Standard windload shall be 20 PSF.

13. Locking:

a. Chain keeper locks for chain hoist operation.

14. Wall Mounting Condition:

a. As indicated on drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify opening sizes, tolerances and conditions are acceptable.

B. Examine conditions of substrates, supports, and other conditions under which this work is to be performed.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

E. Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 07900.

F. Install perimeter trim and closures.

G. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

3.4 ADJUSTING

A. Test for proper operation and adjust as necessary to provide proper operation without binding or distortion.

B. Adjust hardware and operating assemblies for smooth and noiseless operation.

3.5 CLEANING

A. Clean curtain and components using non-abrasive materials and methods recommended by manufacturer.

B. Remove labels and visible markings.

C. Touch-up, repair or replace damaged products before Substantial Completion.

3.6 PROTECTION

A. Protect installed products until completion of project.

END OF SECTION

SECTION 13125

GRANDSTANDS

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplemental Conditions and Division-1 Specification sections, apply to work of this section. General Contractor to verify that grandstand manufacturer is meeting specifications as written below and will be responsible for providing and meeting all aspects contained herein.

1.02 SCOPE OF WORK

A. Provide labor, materials, equipment, engineering, and installation to provide a new permanent grandstand structure to include home side press box in accordance with the following specifications:
   1. Minimum acceptable criteria:
      a. High Traction Welded Decking System as defined by ANSI/NFSI B101.1 and ANSI/NFSI B101.3 meeting the wet coefficient of friction (COF) of .6 on all walking surfaces. If media blasting is used to obtain the necessary wet (COF) of .6, those surfaces shall be anodized.
      b. All structural steel must be manufactured by an AISC certified structural steel manufacturer.
      c. All steel to be hot-dipped galvanized after fabrication.
      d. Powder-coated aluminum front enclosure panel to within 2” of grade at the front of home side grandstand, field side of stairs, and front of landings. Home side aisle step and stair step risers to be powder coated. These landings shall have guard rail supports that are mitered at a 45-degree angle and deburred.
      e. Concrete foundations shall be designed by the grandstand manufacturers engineer based on loads and foundation support reactions provided by grandstand manufacturers engineer and architectural/owner provided geotechnical report. Grandstand foundations are to be included in this scope of work and shall be installed by grandstand manufacture certified concrete installer with a minimum of 10 years’ experience in grandstand foundations.
      f. The overall length of grandstand shall be as per architectural drawings.
      g. The number of rows shall be as per architectural drawings.
      h. Height of front walkway from grade shall be as per architectural drawings.
      i. Width of front walkway to be as per architectural drawings.
      j. The rise per row shall be as per architectural drawings.
      k. The depth per row shall be as per architectural drawings.
      l. Net seating capacity shall be as per architectural drawings.
      m. ADA seating shall be as shown on architectural drawings.
      n. The riser shall be structurally connected to the decking system panel every 12” longitudinal with ¼” diameter structural grade rivet. Tek screws are prohibited.
      o. One-piece risers shall interlock to row above and overlap the rear tread of row below forming the required overlapping and interlocking riser system. Two piece and or wedged in risers are prohibited.
      p. There shall be no gaps or cavities between the riser portion of the decking system and any supports or attachments. Open portions of the bolt runner are prohibited.
      q. Aluminum extrusions using alloy 6063-T6 and 6061-T6.

r. Understructure framing consist of galvanized structural steel square tube columns, supports and stringers that form a clear span design per drawings. X-bracing shall be restricted to areas shown on architectural drawings.
s. All welded connections shall be by certified steel and aluminum welders and inspected at the manufacturer by a licensed CWI.
t. Aisle and Egress stairs shall have a ½" overlap.
u. At locations where platforms meet end to end; a beveled four-inch-wide threshold attached to decking via Huk rivet shall be provided. An extruded snap in closure piece to cover top and bottom of riser at these locations shall also be provided.
v. Seat support system shall be universally adjustable to any location on the horizontal plane of the decking system and shall be no greater than 4'-6" spacing. There shall be no through bolting of these items.
w. All seat support, aisle step supports, aisle handrails and risers shall be installed from the topside of the decking system. There shall be no through bolting of these items through the riser system.
x. Guardrail system shall consist of all-aluminum guardrail posts and railing with black vinyl chain-link fencing.
y. Grandstand manufacturer must have a written quality control program for manufacturing, shipping, and installation.

B. Related Sections include the following:
1. Section 03310 "Cast-in-place Concrete" for concrete mix design and testing requirements.

1.03 SYSTEM PERFORMANCE REQUIREMENTS

A. General: Provide a complete system of mutually dependent components and assemblies that form a grandstand system. The grandstand shall be designed to conform to structural and other load requirements, thermally induced movement, and exposure to weather without failure. All primary and secondary framing, decking system, seating, handrails/guardrails, ramps, and accessories shall comply with the requirement indicted, including those in this Article.

B. Structural Performance: Provide grandstand system capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under condition indicated:
1. Design Loads / Structural – Framing Members
a. Dead Loading: 6 PSF for understructure
b. Live loads: 100 PSF for understructure
c. Deflection Limits: engineer assemblies to withstand design loads with deflections no greater than the following:
1) Stringers: vertical deflection of L/240.
2. Design Loads / Decking System
a. Dead Loading: 6 PSF for decking, platforms, stairs, and ramps.
b. Live Loads: 100 PSF for decking, platforms, stairs, and ramps.
c. Deflection Limits: engineer assemblies to withstand design loads with deflections no greater than the following:
1) Decking, platforms, stairs, and ramps: vertical deflection of L/360.
d. Sway loads of 24 PLF per row parallel to seat and 10 PLF per row perpendicular to seat run.
3. Design Loads / Handrail / Guardrail
a. 100 PLF Vertical
b. 50 PLF applied in any direction at the top.
c. 200 LB Concentrated load any direction.

d. 50 PSF Fencing and guardrail infill.

4. Design Loads / Seat Boards
   a. Live Loads: (vertical) 120 pounds per lineal foot.

1.04 SUBMITTALS

A. Shop Drawings:
   1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of the following grandstand system components as follows:
      a. Foundations:
         1) Footings, foundations, reinforcement, and anchor bolt setting plan.
      b. Structural Framing: All structural framing members shall have a permanent piece mark that shall correspond to the shop drawings and bill of material.
      c. Primary and Secondary Framing including but not limited to the following:
         1) Columns
         2) Beams
         3) Stringers
         4) Bracing
         5) Connecting hardware
      d. Welded Decking System
         1) Decking Platforms
         2) Risers
         3) Aisle Steps
         4) Aisle Handrails
         5) Egress Stairs
         6) Hardware
      e. Seating
      f. Handrails / Guardrails
      g. Ramps

1.05 QUALITY ASSURANCE

A. Product Improvements: Seating provided shall incorporate manufacturer's current design improvements at time of shipment.

B. Concrete Installers Qualifications: An experienced installer who has completed concrete work similar in material, design and extent indicated for this project and whose work has resulted in construction of grandstands with a record of successful in-service performance. Concrete installer must be certified by grandstand manufacturer.

C. Erector Qualifications: An experience erector who has specialized in erecting and installing grandstands similar in material, design, to the extent indicated for this project and whose work has resulted in construction of grandstands with a record of successful in-service performance. Grandstand Erector must be certified by grandstand manufacturer.

D. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installation of grandstand systems that are similar to those indicated for this Project in material, design, and extent. All approval drawings shall bear the seal of a registered professional engineer in the state of installation.

E. Quality Control: Manufacturer's written quality control for manufacturing, shipping, and installation shall be submitted prior to award of contract.

F. Standards and Guidelines: Comply with the provisions of the following codes, specifications and standards, latest editions, except as otherwise noted or specified:
   1. American Concrete Institute (ACI)
   2. American Institute of Steel Construction (AISC)
   3. American Welding Society (AWS)
   4. Americans with Disability Act (ADA)
   5. Underwriters Laboratory (UL)
   6. National Electrical Code (NEC)
   7. International Building Code (IBC)
   8. International Code Council 300 (ICC 300-2012)

1.06 DELIVERY, STORAGE, AND HANDLING

A. Grandstand materials and other manufactured items will be packaged and loaded for transport to prevent bending, warping, twisting, and surface damage of materials. Care will be taken at the job site to prevent any damage to materials.

B. Grandstand materials must not be stored where they would come in contact with other materials that might cause staining, denting or other surface damage.

1.07 WARRANTY

A. All products after proper erection or installation, and under normal use for this type of structure shall carry a one (1) year warranty against all defects in materials and workmanship.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Structural Steel Framing Members and Aluminum High Traction Welded Decking System Outdoor Aluminum, Inc., Geneva, AL (Basis of design) 1-800-225-4249.
   1. Other acceptable manufacturers:
      Other manufacturers must request approval to bid the specified product and be listed approved to bid via addendum

B. Being listed as an acceptable manufacturer does not eliminate the requirement to meet all aspects of the specifications contained herein.
   1. Substitution Request: Subject to absolute compliance with design parameters.

2.02 CONCRETE FOUNDATIONS

A. Foundations shall be designed in accordance with mix designs per Section 03310 “Cast-in-Place Concrete.”

B. Foundations shall be based on a subsurface exploration report furnished by the Architect/Owner.

2.03 STRUCTURAL – FRAMING MEMBERS

A. Structural Steel Shapes: ASTM A992/A992M tensile yield strength, 345 MPa (Fy = 50 ksi); tensile ultimate strength, 450 MPa (Fu = 65 ksi).

B. Steel Plate, Bar or Strip: ASTM A 36/A 36M

C. Steel Tubing or Pipe: ASTM A 500, Grade B

D. Bolts, Nuts and Washers: ASTM A 307 A (ASTM A307) hex carbon and alloy steel bolts, nuts, and washers.

E. Anchor Rods, Bolts, Nuts and Washers: As follows:
   1. Headed Bolts: ASTM A 307, Grade A carbon–steel, hex-head bolts; and carbon-steel nuts.

F. Finish: Minimum 2 oz. hot dipped galvanized in accordance with ASTM 123-A with minimum thickness of 3.3 mils.

G. Horizontal Beams: Horizontal beams shall be wide flange units, supported on columns as required to transfer stadium loads to foundations.

H. Vertical Columns: Columns shall be of structural square tube. Use of wide flange beams for columns is prohibited.

I. Bracing: All transverse bays shall be free of cross bracing, unless specifically shown on the drawings. Longitudinal bays shall be braced in alternate bays where possible, unless specifically shown on the drawings. All bracing shall be 7/8" rod and shall be double-nutted at connection points through the columns.

J. Stringers: Stringers shall be wide flange material with welded angle riser and tread supports.

2.04 DECKING SYSTEM

A. Decking System Platforms:

1. Decking system platforms shall be an all-aluminum extruded system attached to the understructure by means of concealed aluminum clips, galvanized bolts, washers, and nuts. The rear portion of the platform will turn ninety degrees vertical to accept the next row of decking platforms. The front portion of the platform shall be complete with a female front edge to allow for a positive male / female connection of a vertical riser. Individual aluminum components shall be joined by means of the metal inert gas process. The attachment of the riser to the platforms shall form a structurally integrated system.
2. Individual platforms shall be tread depth x 37'-6" maximum length with the actual length designed to create the minimum number of expansion seams.
3. Platform shall have a minimum aluminum wall thickness of .078" and aluminum shall be alloy 6063-T6.
4. Walking surfaces shall have a fluted high traction non-skid surface and aesthetically pleasing without showing traffic pattern wear.
5. The platforms shall have integral bolt runners to allow for the attachment of seat supports, aisle steps and aisle handrails to be made without penetrating the decking system. Through bolting is prohibited. After installation of the above components, there shall be a full closure of the bolt runner using an aluminum cover strip. Open portions of the bolt runner are prohibited.
6. Deck shall allow for reconfiguration of seating and aisles without alteration of the understructure.
7. At locations where platforms meet end to end a four-inch wide aluminum threshold shall be provided to cover the walking surface. Threshold shall be beveled on both sides so as not to create a trip hazard and must have a fluted surface to prevent slipping. Threshold shall be integrated with front and rear covers for the platforms that conceal transition from the horizontal to the vertical portions of the deck. Threshold must comply with specified deflection criteria and once installed must allow for expansion and contractions.

B. Decking System Riser

1. The decking system riser @ aisles shall be extruded aluminum; alloy 6063-T6 with a powder-coated finish in school colors, Refer to Drawings. This extrusion shall have a male ridge running continuous at the upper leading edge to interlock with the front portion of the decking system panel.
2. The riser shall be structurally connected to the decking system panel every 12" longitudinal with ¼" diameter structural grade rivet.
3. There shall be no gaps or cavities between the riser portion of the decking system and any supports or attachments.

C. Deck System Seat Supports

1. The decking system seat support shall be of extruded aluminum angle (to be verified prior to bid), 2-1/2" x 2" x 3/16", alloy 6061-T6, mill finish. Galvanized seat supports are unacceptable.
2. Once installed, the seat support shall have no noticeable gaps between the decking system riser and support.
3. Seat support system shall be universally adjustable to any location on the horizontal plane of the decking system to allow Owner future expansion of flip-up chair seats.

D. Decking System Aisle Handrails
1. The decking system aisle handrails shall be 1-5/8" schedule 40 anodized aluminum pipe and riser mounted. Flange deck mounted is unacceptable.
2. Handrails shall have a center line handrail and the spacing between rails shall not be less than 22" or more than 36". Handrails shall be discontinuous and shall not span more than five rows of seating.

E. Egress Stairs
1. The decking system egress stair stringers are to be constructed of 8" aluminum channel, alloy 6061-T6. Tread supports to be welded to 8" member to totally cap the end of the 2" x 12" stair tread against the channel web.
2. Walking surface of tread shall be complete with female front edge to allow for positive male / female connection of the riser closure. All stair risers shall be powder coated and fastened to the rear tail of the stair tread with ¼" diameter structural grade aluminum rivets.
3. Stair treads nosing to be anodized black. Nosing shall have no external fasteners. The leading edge of the step tread shall project ½" past the front of the vertical riser.
4. Stair grab rail to be constructed of 1-5/8" schedule 40 anodized aluminum pipe with no fittings at transition from sloped system to grade.

F. Decking System Hardware
1. All bolts, washers and nuts shall be galvanized.
2. End caps shall be of heavy duty, clamping, aluminum channel design fastened to the ends of extrusions with aluminum rivets. End caps shall close all end openings of extrusions and shall be a full-length piece and match in both color and finish the extrusion to which they attach.
3. All riser fasteners shall be structural ¼" diameter structural grade rivet.

2.05 SEATING

A. Bench Seating
1. Seats shall be of extruded aluminum with a fluted non-skid surface, alloy 6063-T6, with 204R1 anodized clear finish.
2. Plank shall be 2" by 10" nominal with a wall thickness of .078" (+ / - .006" industry tolerance) at the smooth surface.
3. Finish size shall be 1-3/4" by 9-1/2".
4. Seats shall attach to the decking system seat supports by means of concealed aluminum clips, galvanized bolts, washers, and nuts.
5. Seat supports shall be installed on centers at no greater than 4'-6" o.c..
6. End caps shall be of extruded aluminum and shall match in both color and finish the plank to which they attach. All end caps shall be single piece and shall attach to the underside of the plank with a minimum of two aluminum rivets.

Venue One Stadium Chairs

B. Venue One Self -Rising Chairs
1. Chairs shall be designed to allow the seat pan to flip up allowing for the specified clear aisle access way. Aisle access way shall be measured with the chair unoccupied.
2. Seat portion of chair shall be gravity activated with an internal quieting bumper.
3. All welded one-piece steel stanchions and arm rest supports.
4. Finish for all supports shall be black powder coated.
5. Stanchions shall be an integral part of the grandstand system.
6. Seat back and pan shall be the only installation required in the field.
7. Seat pan and back shall be blow molded plastic with color throughout. Color shall be selected by the owner prior to installation.
8. There shall be no gap in warranty and completed liability insurance between the chair portion of the project and the grandstand portion. Grandstand manufacturer shall provide a written one-year warranty for the grandstand self-rising chairs.

2.06 HANDRAILS / GUARDRAILS

A. Handrail / Guardrail System
1. All railing shall consist of 1-5/8" schedule 40 anodized pipe.
2. All pipe fittings shall be cast aluminum.
3. Guardrail supports to be 4" aluminum channel, alloy 6061-T6.
4. Rail pipe shall be secured to the guardrail support by means of galvanized tension bands.
5. The top rail shall be 42" minimum above the nearest seat on the sides and rear, and 42" above the tread of the front walkway.
6. A black vinyl chain link fence shall be provided on the front, sides, and rear of grandstand and at all egress areas.
7. Handrails on stairs shall be 34" above the leading most edge of the stair tread.
8. Handrails shall be provided at all walking areas and shall extend 1-1/2" from guardrail material. Standoff shall be extruded aluminum, alloy 6061-T6.
9. Handrails shall have internal sleeves for splice purposes and finished rail shall be continuous and shall not exceed 1-5/8" diameter.

2.07 RAMPS

A. Wheelchair accessible ramps with a minimum of 60" clear width on ends, conforming to code.

B. Understructure shall be constructed of same materials as grandstand support structure.

C. Decking and handrails shall be constructed of same materials as grandstand decking.

2.08 MODULAR PRESS BOX- 10'x48' Layout per architectural drawing sheet A2.1

A. Regulatory regulations
1. Design shall conform to 2021 International Building Code
2. Electrical Components: UL Listed
3. Design Loads:
   A. Live Load:
   B. Floor: 100 psf
   C. Roof: 50 psf
   D. Wind Load: Vult: 154 MPH, Vasd: 119 MPH

B. Size: Overall size of the press box shall be 10 ft. by 48 ft. with an entrance

platform on both ends. Includes roof deck filming platform.

C. Press box Materials:
   1. Floor System:
      A. 1/2" CDX plywood sheathing (painted black)
      B. Insulation: R-19 fiberglass batts with vapor barrier
      C. Joists: 2" x 6" #2 SPF, on 12" centers, transverse framing
      D. Decking: 3/4" Sturdifloor, tongue and groove plywood, (Index 24" O.C.)
      E. Covering: 1/8" Armstrong Excelon vinyl composition tile
      F. Molding: 4" vinyl base molding by Roppe
   2. Wall System:
      A. Studs: 2" x 6", #2 or better SPF, on 16" centers, IBC framing
      B. Top and Bottom Plate: 2" x 6" #2 or better SPF
      C. Headers: As span and design load requires
      D. Ceiling Height: 8'-0" - 7'-10", front to back
      E. Interior Wall Finish: 5/8" vinyl-faced gypsum panels, Class A F.S.R.
      F. Insulation: R-21 fiberglass batts with vapor barrier
      G. Sheathing: 1/2" CDX plywood under house wrap air infiltration barrier
      H. Siding: 26 gauge McElroy "U-Panel" ribbed steel panels with Kynar 500 finish (or equal)
   3. Roof System:
      A. Joists: 2" x 10", #2 SPF, 16" O.C. spacing or #1 SYP as required
      B. Overhang: 15-1/2" over front wall, 6" over rear wall, 12" over end walls. .019 aluminum fascia with perforated aluminum soffit panels.
      C. Sheathing: 3/4" Sturdifloor, tongue and groove plywood, (Index 24" O.C.)
      D. Insulation: R-19 fiberglass batts with vapor barrier
      E. Ceiling panels: 5/8" gypsum board, taped and bedded with spray textured finish, Class A F.S.R.
      F. Surface: .060 polyester reinforced skid and spike resistant PVC membrane, fully adhered
   4. Roof Platform:
      A. Hatch: Bilco Model S50 2'6" x 4'6" aluminum roof hatch
      B. Ladder: Alaco Model H70 70-degree aluminum ships ladder
   5. Roof Guardrail System:
      A. Guardrails shall be 5/8" O.D. anodized aluminum pipe 6061-T6 alloy
      B. Guardrail supports shall be galvanized steel angle 3" X 2" Supports shall be attached to fascia with a minimum of (2) ½" dia. galvanized steel bolts
      C. Black Vinyl Chain link fence shall be 2" mesh, 8 Ga. nominal finish wire size
   6. Doors:
      A. Exterior: 36"x80" Ceco "Ultrador" 18 Ga. insulated galvanized steel door with 16ga. steel wrap around frame, rigid vinyl weather stripping, aluminum threshold, 10"x10" window, hydraulic closer and commercial lever-handled keyed lockset
      B. Interior: 1-3/8" solid-core Birch door with wood jambs and casing and passage lever-handled hardware. (Painted white)
   7. Windows:
      A. Exterior: PGT WinGuard SH5500 horizontal sliding windows with insulated impact-resistant glass and screens (Painted white casing and trim)
      B. Interior: ¼" tempered safety glass fixed pane with stained jambs and

casing

8. Electrical:
   A. Panel: Square D QO120M100 with Main Disconnect; rated at 120/240v, single phase, 100-amp capacity.
   B. Interior lighting: SATCO #62-1775 45/LED/1X4/FLUSH/WH 45 watt, 30K, LED 1X4 surface mounted LED light (selectable color and lumens)
   C. Exterior Lighting: SATCO #S39013 4" (7 watt) 4000K LED recessed light
   D. Emergency/Exit: Lithonia ECR-REM-LED emergency combination exit/flood light with 90 min. battery back-up and ERE-SLG-WP LED remote emergency flood light
   E. Switches: Lutron #MSCL-DP153M-LA dimmable occupancy sensor switch with manual override, Intermatic #EI500 programmable astronomical timer switch
   F. Receptacles: Pass & Seymour #3232 125 volt/15 amp duplex spec-grade receptacles; Wiremold 5400 Series two-piece multi-channel, dual voltage, nonmetallic surface raceway along front wall below scorer's counter, outlets on 48" centers
   G. Circuits: All branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit or MC cable
   H. HVAC: GE Zoneline 4500 series packaged terminal HVAC unit with integral thermostat (or equal)
   I. Conduit rough-in and circuity for customer's PA/AV and security systems
9. Scorer's Table:
   20" deep x 3/4" lauan grade plywood with 1-1/2" x 2" edge surfaced with Nevamar High Pressure Laminate (or equal). Scorer's table to be full length of press box with support arms 48" O.C.
10. Miscellaneous
    10 LB. dry chemical fire extinguisher at each exterior door. Rated 4-A: 20-B:C

PART 3 - EXECUTION

3.01 EXAMINATION

A. Before erection proceeds, certified grandstand installer will survey elevations and locations of concrete foundations or pads and anchor bolts to verify compliance with the requirements of grandstand manufacturer's tolerances.

3.02 ERECTION

A. Erect grandstand system according to manufacturer's written instructions and erection drawings.

B. Do not field cut, drill, or alter structural members without written approval from grandstand system manufacturer's professional engineer.

C. Set structural framing in locations to elevations indicated according to AISC specifications referenced in the specification.

3.03 INSTALLATION AND ADJUSTMENT

A. Install all benches, stadium chairs, handrails, guardrails, and other components in accordance with manufacturers' instructions for full warranty coverage.

B. Adjust all moving components for smooth and proper operation.

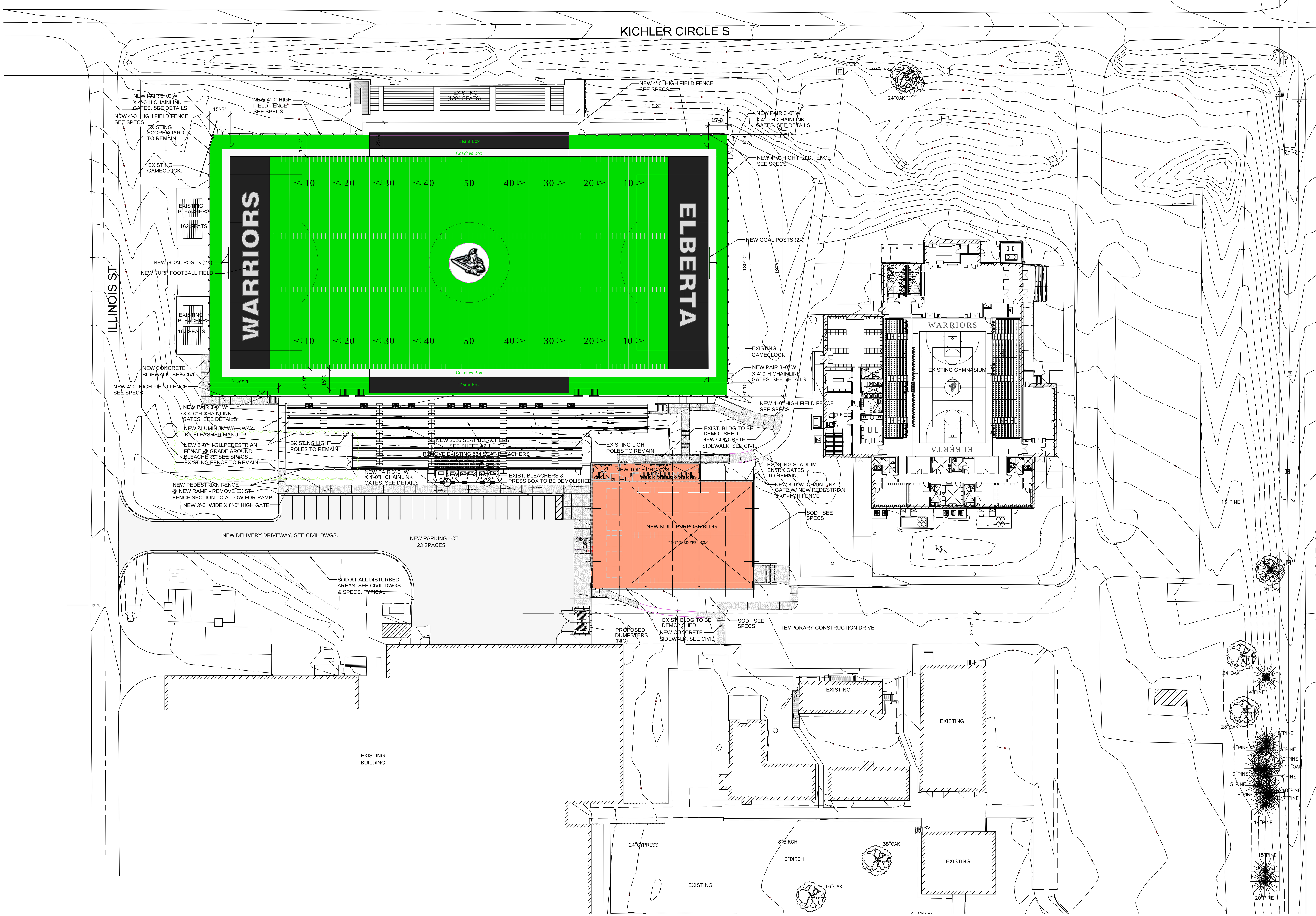
3.04 CLEANING AND PROTECTION

A. Clean all surfaces promptly after installation of work.

B. Exercise care to avoid damage to protective coatings and finishes.

C. Remove all excess construction material and dispose of all debris.

END OF SECTION


KICHLER CIRCLE S
ILLINOIS ST
COUNTY ROAD 83
EXISTING (1204 SEATS)
NEW 4'-0" HIGH FIELD FENCE SEE SPECS
NEW PAIR 3'-0" W X 4'-0"H CHAINLINK GATES. SEE DETAILS
NEW 4'-0" HIGH FIELD FENCE SEE SPECS
EXISTING SCOREBOARD TO REMAIN
EXISTING GAMECLOCK
EXISTING BLEACHERS 162 SEATS
NEW GOAL POSTS (2X)
NEW TURF FOOTBALL FIELD
WARRIORS
ELBERTA
Team Box
Coaches Box
NEW CONCRETE SIDEWALK. SEE CIVIL
NEW ALUMINUM WALKWAY BY BLEACHER MANUFR.
NEW 8'-0" HIGH PEDESTRIAN FENCE @ GRADE AROUND BLEACHERS. SEE SPECS. EXISTING FENCE TO REMAIN
NEW PEDESTRIAN FENCE @ NEW RAMP - REMOVE EXIST. FENCE SECTION TO ALLOW FOR RAMP
NEW 3'-0" WIDE X 8'-0" HIGH GATE
EXISTING LIGHT POLES TO REMAIN
REMOVE EXISTING 564 SEAT BLEACHERS
EXIST. BLEACHERS & PRESS BOX TO BE DEMOLISHED
NEW TOILET ROOMS
EXIST. BLDG TO BE DEMOLISHED NEW CONCRETE SIDEWALK. SEE CIVIL
EXISTING STADIUM ENTRY GATES TO REMAIN.
NEW 3'-0" W. CHAIN LINK GATE W/ NEW PEDESTRIAN 8'-0" HIGH FENCE
SOD - SEE SPECS
NEW MULTIPURPOSE BLDG
NEW DELIVERY DRIVEWAY, SEE CIVIL DWGS.
NEW PARKING LOT 23 SPACES
SOD AT ALL DISTURBED AREAS, SEE CIVIL DWGS & SPECS, TYPICAL
PROPOSED DUMPSTERS (NIC)
TEMPORARY CONSTRUCTION DRIVE
EXISTING GYMNASIUM
EXISTING BUILDING
EXISTING

ARCHITECTURAL SITE PLAN
SCALE: 1" = 30'-0"

GENERAL SITE SAFETY PRECAUTION NOTE:
FIRE SAFETY PRECAUTIONS FOR ALL STRUCTURES AND ALL OCCUPANCIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND DEMOLITION.

ADDITIONS TO ELBERTA HIGH SCHOOL FOR THE BALDWIN COUNTY BOARD OF EDUCATION
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McKEE and ASSOCIATES
ARCHITECTS, INC.
631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933

STATE OF ALABAMA REGISTERED ARCHITECT — WALTER T. McKEE, JR. No. 1082 MONTGOMERY, ALA.

SHEET TITLE :	ARCHITECTURAL SITE PLAN
MCKEE JOB # :	23.192
DRAWN BY :	LAB
DATE:	10.4.23
REVISED DATE:	(1) 10.30.23
REVISED DATE:	
REVISED DATE:	
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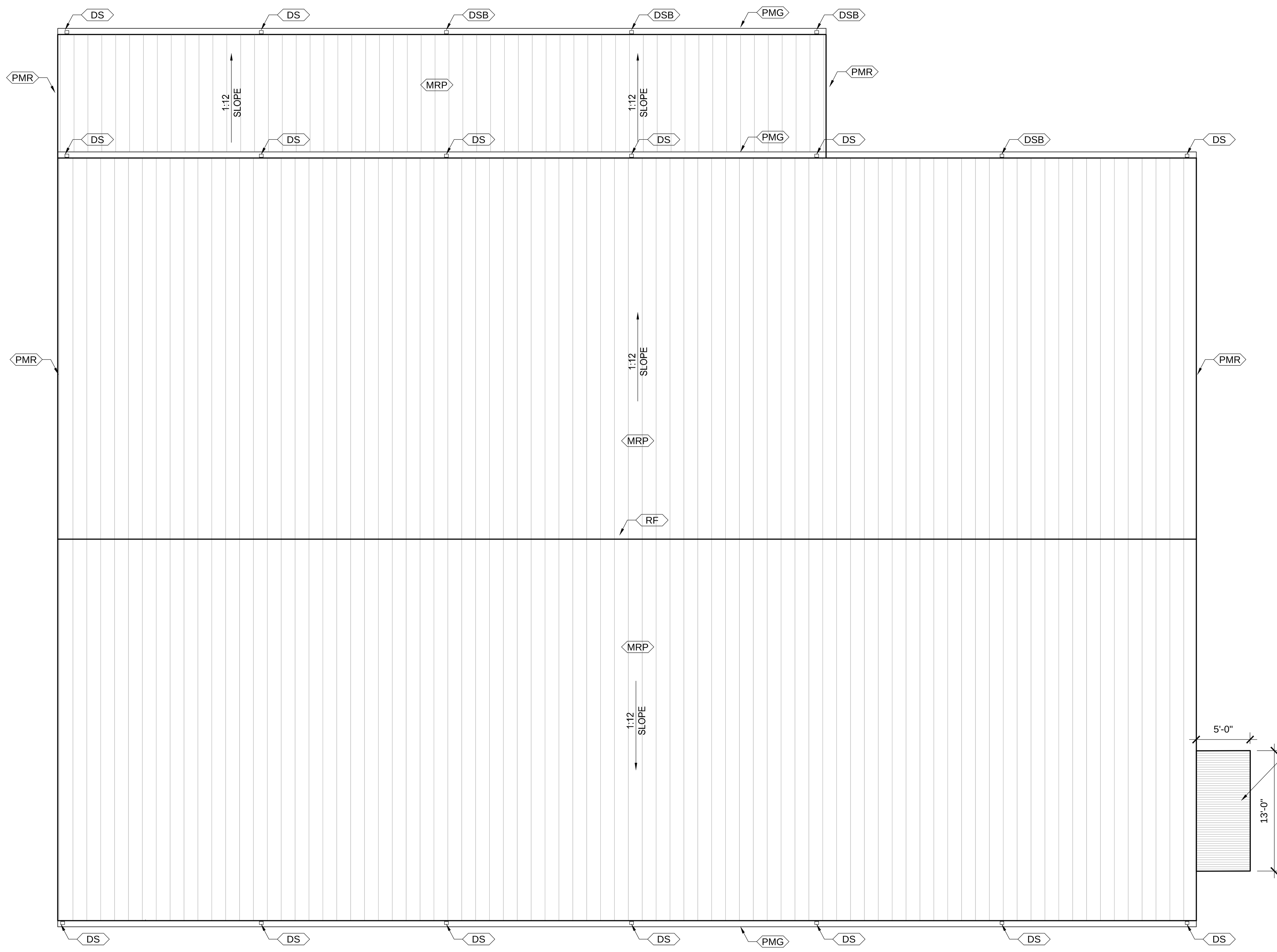


TYPICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN LEGEND

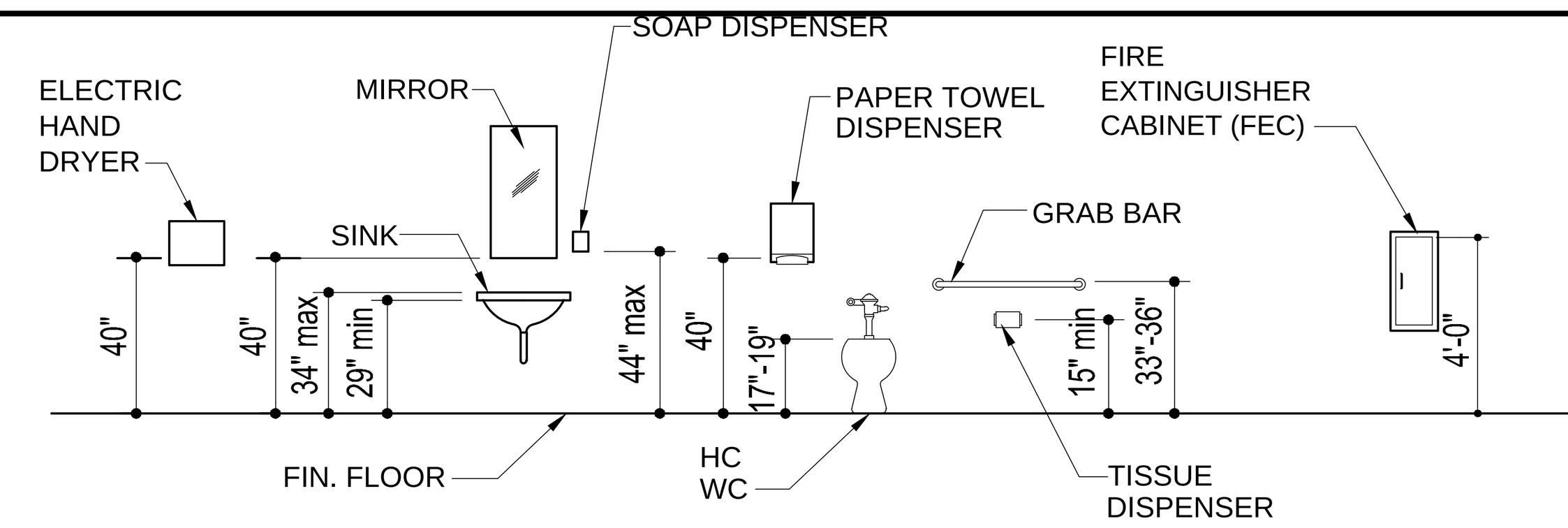
SYMBOL	DESCRIPTION
MRP	METAL ROOF PANELS
RF	RIDGE FLASHING - NON VENTED
PMG	PREFINISHED METAL GUTTER
PMR	PREFINISHED METAL RAKE TRIM
PV	PLUMBING VENT (SEE MECHANICAL)
EF	EXHAUST FAN (SEE DETAIL MECHANICAL)
DS	PREFINISHED METAL DOWNSPOUT
DSB	PREFINISHED METAL DOWNSPOUT TO BOOT, SEE CIVIL DWGS. & SPECS.

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
0'-0"	HEIGHT ABOVE FINISHED FLOOR ELEVATION
	ALUMINUM CANOPY, SEE SPECS.
	2'x2' LAY-IN ACOUSTICAL CEILING, SEE SPECS
	2'x2' VINYL CLAD LAY-IN ACOUSTICAL CEILING, SEE SPECS
	SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	2'x4' RECESSED OR SURFACE MOUNTED LIGHT FIXTURE (SEE ELECTRICAL)
	CASSETTE HEAT PUMP (SEE MECHANICAL)
	EXHAUST FAN GRILLE (SEE MECHANICAL)

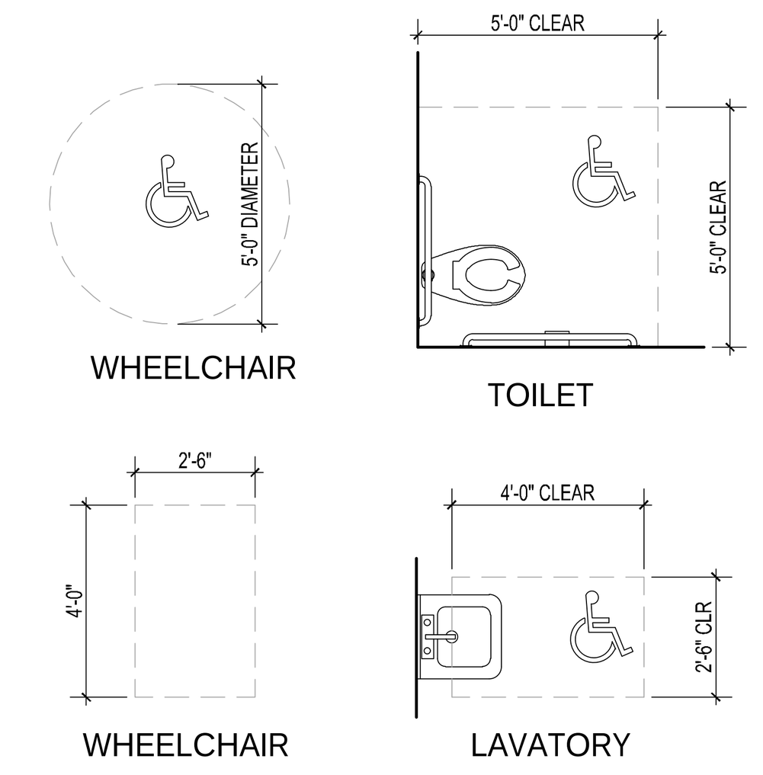
TOILET ACCESSORIES LEGEND

KEYNOTE	DESCRIPTION
EHD	ELECTRIC HAND DRYER TO BE MOUNTED 48" OC AFF (SEE SPECS)
PTD	PAPER TOWEL DISPENSER TO BE MOUNTED 48" OC AFF (SEE SPECS)
SD	SOAP DISPENSER TO BE MOUNTED WHERE HAND CONTROLS ARE 48" OC AFF (BY OWNER)
GB1	36" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 6" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
GB2	42" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 12" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)
MIR	18" X 36" MIRROR WITH SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF (SEE SPECS)
HC	HANDICAPPED ACCESSIBLE TOILET / URINAL TO BE MOUNTED 17" AFF
TTD	TOILET TISSUE DISPENSER TO BE MOUNTED 8" OC IN FRONT OF TOILET AND OUTLET OF DISPENSER MUST BE BETWEEN 15" & 48" AFF (BY OWNER)
EWC	ELECTRIC WATER COOLER (SEE DETAIL 2/A6.1)
OWC	ELECTRIC WATER COOLER (SEE DETAIL 2/A6.1)
FD	FLOOR DRAIN (SEE PLUMBING)
TP	TOILET PARTITION DOOR AND PARTITION (SEE SPECS)
SND	SANITARY NAPKIN DISPENSER (SEE SPECS)



TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

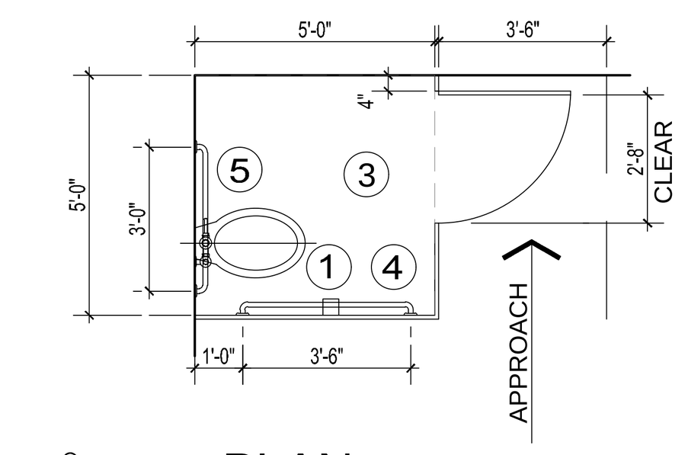
NOTE: GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 IN. MIN. and 36 IN. MAX. ABOVE FINISHED FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



TYPICAL HANDICAP CLEAR FLOOR SPACES
SCALE: 1/4"=1'-0"

KEY NOTES

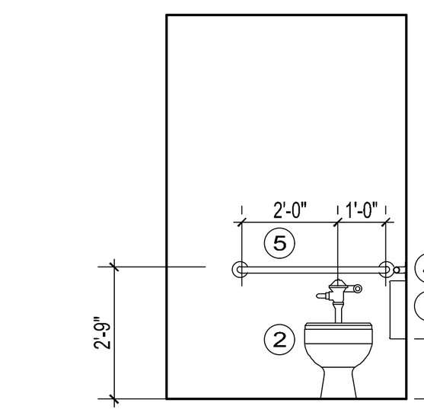
1. TOILET PAPER DISPENSER SHALL BE 7 IN. MIN. and 9 IN. MAX. IN FRONT OF WATER CLOSET MEASURED TO CENTERLINE OF DISPENSER. THE DISPENSER OUTLET SHALL BE 15 IN. MIN. and 48 IN. MAX. ABOVE FLOOR and NOT BE LOCATED BEHIND GRAB BARS.
2. WATER CLOSET HEIGHT TO BE 17 IN. TO 19 IN. MEASURED TO TOP OF SEAT.
3. WHEELCHAIR ACCESSIBLE STALLS SHALL BE 60" MINIMUM DEPTH AND WIDTH WITH 32" MINIMUM WIDTH DOOR THAT SWINGS OUT. CENTER LINE OF WATER CLOSET TO BE 16" TO 18" FROM NEAR WALL.
4. A HORIZONTAL SIDE WALL GRAB BAR SHALL BE 42" LONG MINIMUM, LOCATED 12" MAX. FROM REAR WALL AND EXTENDING 54" MINIMUM FROM REAR WALL.
5. THE REAR WALL GRAB BAR SHALL BE 24 IN. LONG MIN., CENTERED ON THE WATER CLOSET. WHERE SPACE PERMITS, THE BAR SHALL BE 36 IN. LONG MIN. WITH THE ADDITIONAL LENGTH PROVIDED ON THE TRANSFER SIDE OF THE WATER CLOSET.
6. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE (TOP) AT THE LOCATION SHOWN AND DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE.
7. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE 48 " MAX. ABOVE THE FLOOR. WHERE PROVIDED A FOLD DOWN SHELF SHALL BE 40" MIN. and 48" MAX. ABOVE FLOOR.
8. WHERE MIN. and MAX. DIMENSIONS ARE GIVEN, NO TOLERANCE OUTSIDE OF THE DIMENSION RANGE AT EITHER END POINT IS PERMITTED.



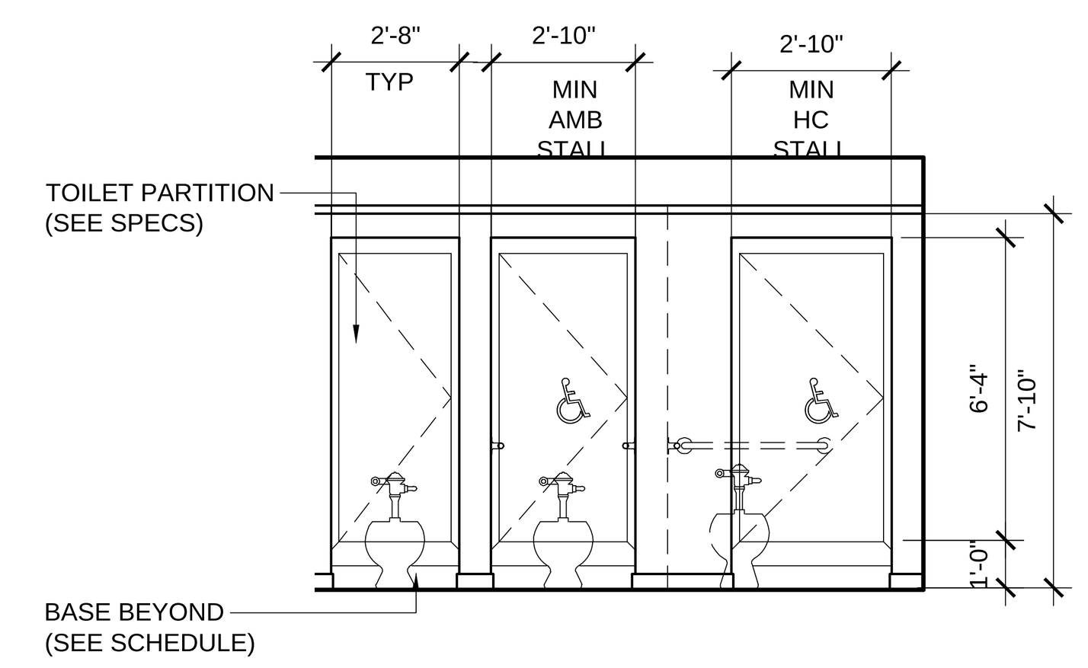
PLAN
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"

NOTE: THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MIN. AND 18" MAX. FROM THE SIDE WALL OR PARTITION.

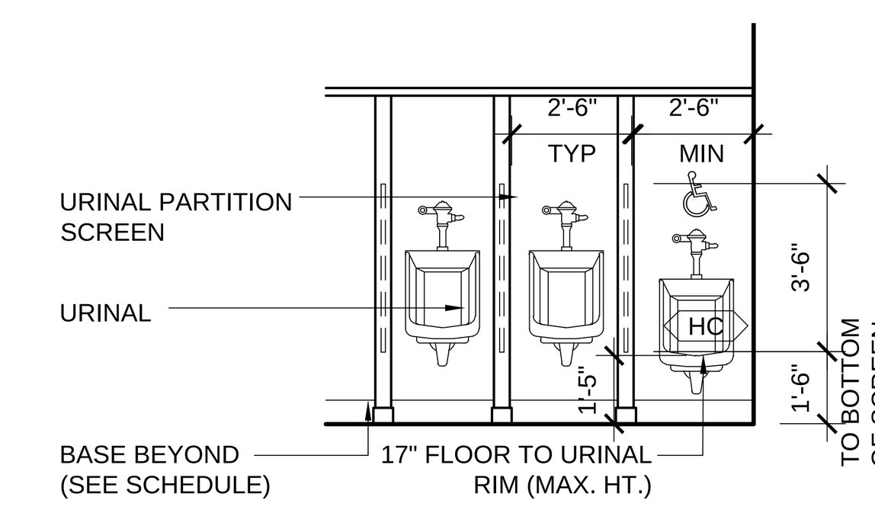
DOORWAYS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM. CLEAR OPENING OF DOORWAYS WITH SWING DOORS SHALL BE MEASURED BETWEEN FACE OF DOOR AND STOP, WITH THE DOOR OPEN 90 DEGREES.



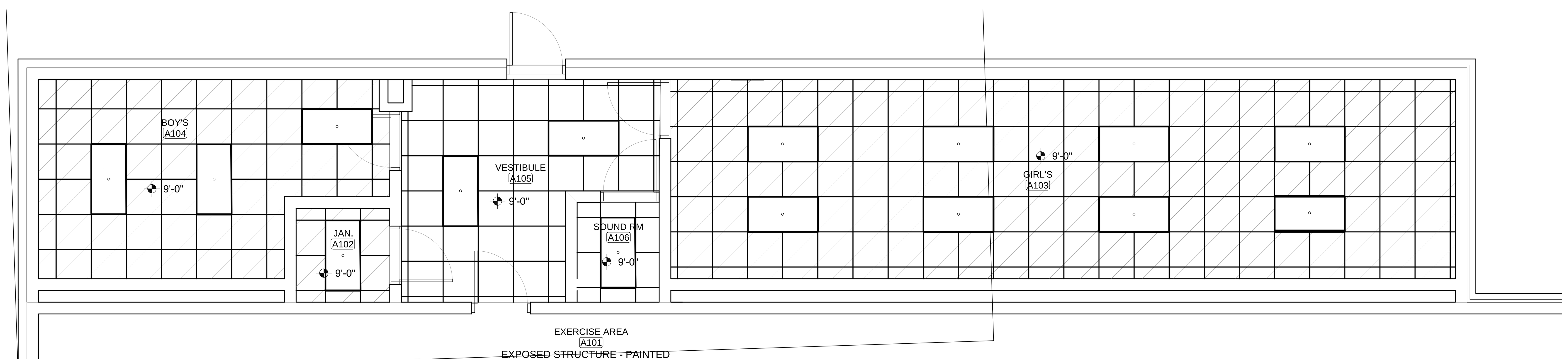
ELEVATION
WHEELCHAIR ACCESSIBLE TOILET
SCALE: 1/4" = 1'-0"



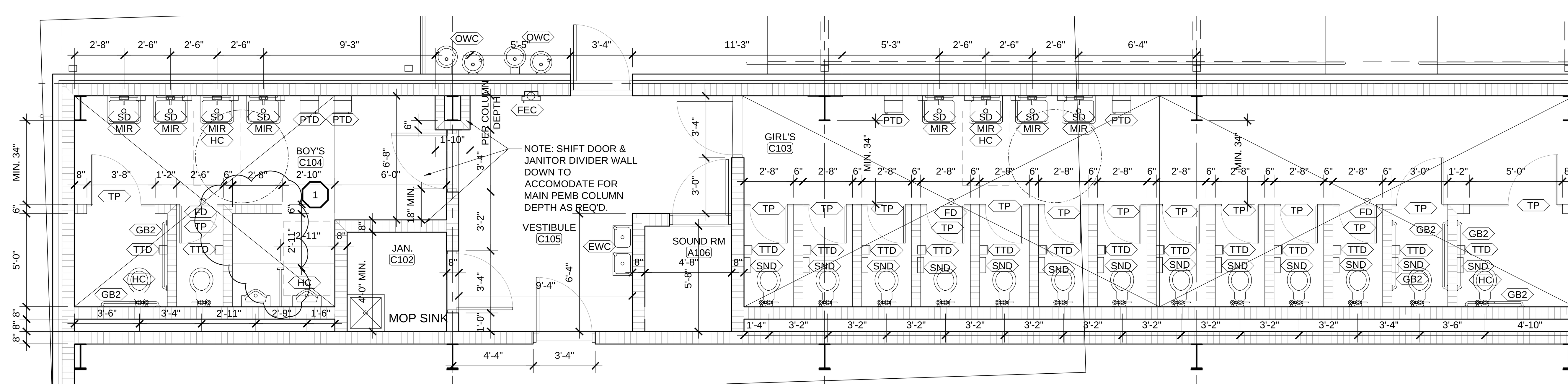
TYPICAL TOILET SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



TYPICAL URINAL SCREEN PARTITION ELEVATION
SCALE: 1/4" - 1'-0"



REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

WALL PARTITION NOTE:
ALL MASONRY WALL PARTITIONS ARE TO BE 8" CMU -10'-0" HIGH UNLESS NOTED OTHERWISE.

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