

Addendum #1

General Construction
Mechanical Construction
Electrical Construction

Project Title DMPS Hoover High School Locker Room Renovation

Hoover High School
4800 Aurora Avenue
Des Moines, Iowa 50310

Owner Des Moines Independent Community School District
2100 Fleur Drive
Des Moines, Iowa 50321

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*Mechanical &
Electrical Engineer* Brewer Engineering Consultants, PLC
905 Washington Ave SE
Bondurant, Iowa 50035

Issue date March 30th, 2021

Bid date **Wednesday, April 6th, 2021 at 3:00 pm**

Addendum #1 contains **12** items.

ADDENDUM NO. 1

Issued March 30th, 2021

To all General contract bidders on the Work titled: DMPS Hoover High School Locker Room Renovation. The proposed Contract Documents are modified as follows:

SPECIFICATIONS.

ITEM 1. ADDENDUM NO. 1

Replace in the Specifications; Section 09 6700 FLUID-APPLIED FLOORING. This section has been updated with additional information in multiple parts of the specification, bound in this addendum.

ITEM 2. ADDENDUM NO. 1

Replace in the Specifications; Section 09 9600 HIGH-PERFORMANCE COATINGS. This section has been updated with a different wall coating system along with additional information on surface preparation for new CMU block and existing Glazed Block to receive coatings, bound in this addendum.

ITEM 3. ADDENDUM NO. 1

Refer to the specifications; Section 10 5113 METAL LOCKERS, Part 2.02, Paragraphs A, B, and C, subparagraph 3. Update the three different locker type heights as follows:

- 3. Height: 72 inches, (1829mm).

ITEM 4. ADDENDUM NO. 1

Refer to the specifications; Section number listed below. The following are approved products/manufacturers for this project:

10 2113.17 PHENOLIC TOILET COMPARTMENTS
Bobrick Washroom Equipment-Duraline

10 5113 METAL LOCKERS
LockersMFG All-Welded Metal Locker Series

DRAWINGS.

ITEM 5. ADDENDUM NO. 1

Refer to the Drawings; Sheet A0.00, TITLE SHEET, Index to Drawings, and add sheet A3.03 to the list of Architectural drawings.

ITEM 6. ADDENDUM NO. 1

Refer to the Drawings; "DEMO NOTES" schedule, revise demo note D28 to read as follows:

D28	DEMO BENCH; FILL CORE HOLES AND PREP FOR NEW FLOORING
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ITEM 7. ADDENDUM NO. 1

Replace in the Drawings; Sheet A2.02 1ST FLOOR DEMO PLAN, add the updated plan with existing benches shown to be demolished, bound in this addendum.

ITEM 8. ADDENDUM NO. 1

Refer to the Drawings; Sheet A2.03 2ND FLOOR DEMO PLAN, add demo note D28 to the sheet for all the benches shown in plan.

ITEM 9. ADDENDUM NO. 1

Refer to the Drawings; Sheet A2.08 2ND FLOOR LOCKER ROOM PLANS, add the "WALL TYPES" schedule to the sheet as shown:

WALL TYPES	
A	6" CONCRETE BLOCK (T=5-5/8")
B	8" CONCRETE BLOCK (T=7-5/8")
C	4" NOM. MTL STUD 5/8" GWB EXPOSED SIDE
D	2.5" MTL STUD 5/8" GWB EXPOSED SIDE
E	5.5" MTL STUD 5/8" GWB BOTH SIDES
F	1 1/2" MTL STD-5/8" GWB EXPOSED SIDE
G	10" CMU

ITEM 10. ADDENDUM NO. 1

Refer to the Drawings; Sheet A4.00 DETAILS, add Detail Number 16 SHOWER WALL TO INTEGRAL COVE EPOXY BASE, bound in this addendum.

ITEM 11. ADDENDUM NO. 1

Refer to the Drawings; "GENERAL NOTES" list, add the following line item:

9. IN AREAS WITH FLOOR DRAINS; FLOORS AROUND DRAINS SHALL SLOPE THE DRAIN. IN SHOWER AREAS THE FLOOR SHALL SLOPE NO LESS THAN 2% TO THE DRAIN.

ADDITIONAL INFORMATION.

ITEM 12. ADDENDUM NO. 1

See attached mechanical and electrical addendum for additional information.

END OF ADDENDUM NO. 1

SECTION 09 6700 - FLUID-APPLIED FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fluid-applied flooring and base.

1.02 RELATED REQUIREMENTS

- A. Section 07 9200 - Joint Sealants: Sealing joints between fluid-applied flooring and adjacent construction and fixtures.
- B. Section 09 0561 - Common Work Results for Flooring Preparation: Concrete slab moisture and alkalinity testing and remediation procedures.

1.03 REFERENCE STANDARDS

- A. ASTM C 307 - Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacing.
- B. ASTM C 413 - Absorption of Chemical-Resistant Mortars, Grouts, and Monolithic Surfacing.
- C. ASTM C 579 - Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing, and Polymer Concretes.
- D. ASTM D 696 - Coefficient of Linear Thermal Expansion of Plastics.
- E. ASTM D-790 – Flexural Strength/Flexural Modulus of Elasticity.
- F. ASTM D-1644 – Determination of Solids Content.
- G. ASTM D-1044 – Abrasion Resistance by Tabor Abrader.
- H. ASTM D 2240 - Rubber Property - Durometer Hardness.
- I. ASTM D 4258 - Surface Cleaning Concrete for Coating.
- J. ASTM D 4259 - Abrading Concrete.
- K. ICRI Guideline 03732 – Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays.

1.04 SUBMITTALS

- A. See Section 01300 - Submittals.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.
- C. Samples: Submit two samples, 4__by__4 inch (100__by__100 mm) in size illustrating color and pattern for each floor material for each color specified.
- D. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.
- E. Manufacturer's Installation Instructions: Indicate special procedures.
- F. Manufacturer's Qualification Statement.
- G. Applicator's Qualification Statement.
- H. Maintenance Data: Include maintenance procedures, recommended maintenance materials, procedures for stain removal, repairing surface, and suggested schedule for cleaning.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the work of this section.

1.06 MOCK-UP

- A. Construct mock-up(s) of fluid applied flooring to serve as basis for evaluation of texture and workmanship.
 - 1. Number of Mock-Ups to be Prepared: One for each system.

2. Use same materials and methods for use in the work.
 3. Locate where directed.
 4. Minimum Size: 48 inches by 48 inches (1220 mm by 1220 mm).
- B. Obtain approval of mock-up by Architect and Owner before proceeding with work.
- C. Approved mock-up may remain as part of the Work.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name, manufacturer, batch or lot number, and date of manufacture. Do not store in direct sunlight or high heat conditions.
- B. Storage:
1. Store materials in accordance with manufacturer's instructions.
 2. Keep containers sealed until ready for use.
 3. Do not subject material to excessive heat or freezing; do not apply material that has been subjected to excessive heat or freezing. Material subjected to excessive heat or freezing shall be separated from inventory and destroyed by mixing all three components. The solid reacted product shall be disposed of in environmentally sound and regulatory compliant manner.
 4. Shelf life: one year after date of manufacture, in unopened containers, under normal conditions.
- C. Handling: Protect materials during handling and application to prevent damage or contamination.
- D. Condition materials for use to 65°F - 75°F for 24 hours prior to installation

1.08 FIELD CONDITIONS

- A. Do not apply materials if floor or air temperature is below 65°F.
- B. Do not apply materials if relative humidity is above 85 percent or within 5° of dew point at time of application.
- C. Utilities, including electric, water, heat and finished lighting to be supplied by General Contractor
- D. Maintain room temperature between 65° - 85° for 48 hours before, during and 48 hours after installation, or until cured.
- E. At the time of application ensure the minimum substrate temperature is above 65°F (18°C) and the substrate temperature is 5°F (3°C) above the measured dew point at the time of application.
- F. Erect suitable barriers and post legible signs at points of entry to prevent traffic and trades from entering the work area during application and cure period of the floor.
- G. Protection of finished floor from damage by subsequent trades shall be the responsibility of the General Contractor.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fluid-Applied Flooring:
1. Sika Corporation: www.sikafloorusa.com/#sle.
 2. Substitutions: See Section 01630 Product Options and Substitutions.

2.02 FLUID-APPLIED FLOORING SYSTEMS

- A. Fluid-Applied Flooring Type EP2: Epoxy primer coat base coat(s), polyaspartic final top coat, no aggregate. For applications in general use areas.
1. System Thickness: 1/16 inch (1.6 mm), nominal, when dry.
 2. Color: As selected by Architect.
 3. Basis of Design Product: Sikafloor DecoDur Flake FX.

- a. 5 part system
 - 1) Primer Coat, Sikafloor 165FS Epoxy (6-8 mils)
 - 2) Receiver Coat, Sikafloor 217 Clear, UV Resistant Epoxy Pigmented with micro flake broadcast. (10-12 mils)
 - 3) Receiver Coat, Sikafloor 217 Clear, UV Resistant Epoxy Pigmented with micro flake broadcast. (10-12 mils)
 - 4) Grout Coat, Sikafloor 510 LPL Clear polyaspartic. 1 coat (8-10 mils)
 - 5) Final Coat, Sikafloor 510 LPL Clear polyaspartic. (8-10 mils)
 - (a) broadcast and backroll with fine aluminum oxide to create desired finish for slip resistance and cleanability.
- 4. Products:
 - a. Substitutions: See Section 01630 - Product Options And Substitutions.
- B. Fluid-Applied Flooring Type EP1: Flexible epoxy primer base coat(s), polyaspartic final top coat, no aggregate. For applications in shower room floors with integral base.
 - 1. System Thickness: 3/32 inch (2.3 mm), nominal, when dry.
 - 2. Color: As selected by Architect.
 - 3. Basis of Design Product: Sikafloor DecoDur Flake FX.
 - a. 5 part system with integral base.
 - 1) Primer Coat, Sikafloor 265, Flexible Epoxy (20 mils neat)
 - 2) Receiver Coat, Sikafloor 265 Flexible Epoxy Pigmented with micro flake broadcast. (20 mils)
 - 3) Receiver Coat, Sikafloor 217 Clear, UV Resistant Epoxy with micro flake broadcast. (10-12 mils)
 - 4) Grout Coat Sikafloor 510 LPL Clear Polyaspartic. (8-10 mils)
 - 5) Final Coat, Sikafloor 510 LPL Clear Polyaspartic. (8-10 mils)
 - (a) Broadcast and back roll with fine aluminum oxide to create desired finish for slip resistance and cleanability.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive epoxy flooring system. Notify Architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected. Do not apply to substrate treatments for moisture, repair, or leveling not of the same Manufacturer.
- B. Conduct quantitative moisture testing in accordance with ASTM-F2659-10 utilizing Tramex type impedance moisture meter. Maximum acceptable test result for standard resinous system is 4%. If in-excess of stated value, Substitute 1 coat of Sikafloor 1620 Moisture Tolerant Primer @ 12-14 mils in place of Sikafloor® 161 Epoxy Primer. Relative humidity tests are also acceptable.
- C. Do not apply epoxy flooring system to concrete less than 60 days old. Consult Technical Service prior to application when concrete has not cured for 60 days.
 - 1. If concrete reaches 3500 psi of compression strength and 215 psi of tensile strength it can be coated with epoxy (as long as moisture testing with the Tramex gauge registers at 4% moisture or less). If The above mentioned levels of strength are reached but the Tramex gauge readings are above 4% then a primer such as our Sikafloor 1610 Moisture Tolerant Primer or else a urethane cement such as our Purcem product line should be used.
- D. Do not apply epoxy flooring system to sand-cement setting beds, regardless of condition. Sand-cement beds shall be removed to structural concrete substrate and re-leveled/sloped as necessary to achieve grade and/or adequate drainage.
- E. Do not apply to asphaltic or bitumen membranes, soft wood, aluminum, copper or fiberglass reinforced polyester/vinyl ester composites.

- F. Application to glazed or vitrified brick and tile, structural wood, steel shall be approved only with the Manufacturer's written recommendation.

3.02 SURFACE PREPARATION

- A. Prepare concrete surfaces in accordance with manufacturer's instructions and ASTM D 4258.
- B. Remove dirt, oil, grease, wax, laitance, curing compounds, water-soluble concrete hardeners, and other surface contaminants.
- C. Remove sealers, finishes, and paints.
- D. Remove unsound concrete by scarifying, sand blasting, shot blasting, or high pressure water blasting.
- E. Chemical Surface Preparation:
 - 1. Chemical surface preparation (acid etching) is unacceptable and will void Manufacturer's warranty.
- F. Mechanical Surface Preparation:
 - 1. Mechanically abrade concrete surface in accordance with manufacturer's instructions.
 - 2. Leave concrete surface with an aggressive texture.
 - 3. Remove concrete dust.
 - 4. Conform to ASTM D-4259.
 - 5. Surface profile shall conform to IRCI Guideline 03732 CSP 3 - 4, conforming to ASTM D-4259,8.4.2

3.03 CONTROL JOINTS, CRACKS

- A. Provide repair and treatment of control joints and surface cracks utilizing manufacturer's standard materials and installation details. Moving and expansion joints must be honored.

3.04 APPLICATION

- A. Repair concrete substrate as required using Sikafloor 161 Epoxy Primer blended with Sikafloor Extender T for shallow fill or SikaQuick® 1000 Rapid Repair Mortar for repairs over ¼" in accordance with Manufacturer's instructions.
- B. Observe Manufacturer's limitations in respect to concrete moisture vapor transmission, allowable moisture content, and state of cure.
- C. Do not add thinners to materials. No thinners shall be approved or allowed.
- D. For coverage rates, consult data sheet for epoxy flooring system.
- E. Finish surface to be smooth, with uniform texture, free of surface defects, and without porous areas.
- F. Follow Manufacturer's recommendations on terminations and connections to walls, drains, doorways, columns and floor-to-floor transitions.

3.05 CLEANUP

- A. Remove masking, draping, and other protection from adjacent surfaces.
- B. Remove remaining materials and debris from job site and dispose of them in according with local rules and regulations. Leave area in clean condition free of debris.

3.06 PROTECTION

- A. Protect epoxy flooring system during curing from traffic. Based on air temperature of 73°F/23°C.
 - 1. Foot Traffic (final coat): 24 hours.
 - 2. Medium Wheeled Loads: 3 days.

END OF SECTION

SECTION 09 9600 - HIGH-PERFORMANCE COATINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. High performance coatings. Application over CMU and Glazed Block
- B. Surface preparation.

1.02 RELATED REQUIREMENTS

- A. Section 09 6700 - Fluid-Applied Flooring: High performance fluid-applied flooring systems.

1.03 REFERENCE STANDARDS

- A. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2005 (Reapproved 2017).
- B. ASTM D4259 - Standard Practice for Preparation of Concrete by Abrasion Prior to Coating Application; 2018.
- C. MPI (APL) - Master Painters Institute Approved Products List; Master Painters and Decorators Association; Current Edition.
- D. SSPC V1 (PM1) - Good Painting Practice: Painting Manual, Volume 1; 2016.
- E. SSPC-SP 13 - Surface Preparation of Concrete; 1997 (Reaffirmed 2003).

1.04 SUBMITTALS

- A. See Section 01300 - Submittals.
- B. Product Data: Provide complete list of all products to be used, with the following information for each:
 - 1. Physical properties and colors available.
 - 2. Manufacturer's safety data sheet for each product being used.
 - 3. Product Samples: Submit Architectural Standard samples representative of the final finish, as applied. The Standard shall be approved in writing by the Architect and shall be the final standard of acceptance of the finish.
 - 4. Maintenance Instructions: Submit manufacturer's maintenance instructions.
 - 5. Manufacturer's installation instructions.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the work of this section with minimum 5 years documented experience.

1.06 MOCK-UP

- A. Provide mock-up of 1, 4 feet (1.2 m) long by 4 feet (1.2 m) wide, illustrating coating, for each specified coating.
- B. Locate where directed.
- C. Mock-up may remain as part of the work.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of coating, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Coating Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- B. Do not install materials when temperature is below 50 degrees F (10 degrees C) or above 85 degrees F (30 degrees C).
- C. Substrate Temperature: Minimum/Maximum 50°/85°F (10°/30°C). Substrate temperature must be at least 5°F (3°C) above measured Dew Point.
- D. Relative Ambient Humidity: Minimum ambient humidity 30%, maximum ambient humidity 75% (during application and curing)
- E. Mixing and Application attempted at Material, Ambient and/or Substrate Temperature conditions less than 65°F (18°C) will result in a decrease in product workability and slower cure rates.
- F. Substrate moisture:
 - 1. Moisture content of concrete substrate must be ≤ 4% by mass as measured with a Tramex® CME/CMExpert type concrete moisture meter.
 - 2. If moisture content of concrete substrate is > 6% by mass as measured with Tramex® CME/CMExpert type.
- G. Maintain constant ambient room temperature of plus or minus 15°F (plus or minus 7°C) with a minimum temperature of 50°F (10°C) and maximum temperature of 85°F (30°C). Maintain constant ambient room temperature for 48 hours before, during and after installation, or until cured. Do not apply while ambient and temperatures are rising.
- H. Insure adequate ventilation and air flow.
- I. Restrict traffic from area where coating is being applied or is curing.

1.09 WARRANTY

- A. Correct defective Work within a five year period after Date of Substantial Completion.
- B. Manufacturer's warranty covering the resinous walls against defects in materials for one year from date of installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide high performance coating products from the same manufacturer to the greatest extent possible.
 - 1. In the event that a single manufacturer cannot provide specified products, minor exceptions will be permitted provided approval by Architect is obtained using the specified procedures for substitutions.
 - 2. Substitution of other products by the same manufacturer is preferred over substitution of products by a different manufacturer.
 - 3. Substitution of a different high performance coating system using MPI-approved products by the same manufacturer will be considered.
- B. High-Performance Coatings: Basis of Design
 - 1. Sika Corporation; Sika Wall System, www.sikaflorrusa.com.
 - 2. Substitutions: Section 01630 - Product Options and Substitutions.

2.02 SYSTEM - INSTALLED IN SHOWER ENCLOSURES ONLY

- A. Glazed Block Application:
 - 1. Materials:
 - a. Primer: Sika Bonding Primer applied @ 5 mils.
 - b. Surface Filler: Sikadur injection Gel applied to achieve a smooth, uniform, non-telgraphing surface.

- c. Base Coat and Intermediate Coats: Sikafloor 2540W NA applied in a two (2) coat application @ 5 mils per coat.
 - d. Top-Coat: Sikagard®-307 W Sterisept Modified Acrylic Polyurethane applied @ 4 mils.
 - e. Second Top-Coat: Sikagard®-307 W Sterisept Modified Acrylic Polyurethane applied @ 4 mils.
 - 1) Color to be selected by Architect before installation.
- B. New Concrete Block Application:
- 1. Materials:
 - a. Block Filler: SikaQuick Smooth Finish trowel applied to achieve a smooth, uniform surface.
 - b. Base Coat and Intermediate Coats: Sikafloor 2540W NA applied in a two (2) coat application @ 5 mils per coat.
 - c. Top-Coat: Sikagard®-307 W Sterisept Modified Acrylic Polyurethane applied @ 4 mils.
 - d. Second Top-Coat: Sikagard®-307 W Sterisept Modified Acrylic Polyurethane applied @ 4 mils.
 - 1) Color to be selected by Architect before installation.

2.03 ACCESSORY MATERIALS

- A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of coated surfaces.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive wall system. Notify Architect/General Contractor/Owner/Owner's representative if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected. Do not apply to substrate treatments for moisture, repair, or leveling not of the same Manufacturer.
- B. Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.
- C. Concrete substrate to have a minimum compressive strength of 3,500 psi (24 MPa) at 28 days and a minimum of 215 psi (1.5 MPa) in tension at time of application.
- D. Substrate moisture:
 - 1. Measure and confirm Substrate Moisture Content, Ambient Relative Humidity, Ambient and Surface Temperature and Dew Point.
 - 2. Confirm and record above values at least once every 3 hours during installation, or more frequently whenever conditions change (e.g. Ambient Temperature rise/fall, Relative Humidity increase/decrease, etc.).
- E. Ensure concrete substrate conforms to the minimum requirements of the manufacturer.
- F. Wall system shall not be applied to sand-cement setting beds. Sand-cement beds shall be removed to structural concrete substrate and re-leveled/sloped as necessary to achieve grade and/or adequate drainage.
- G. Wall system shall not be applied to asphaltic or bitumen membranes, soft wood, aluminum, copper or fiberglass reinforced polyester/vinyl ester composites.
- H. Application to glazed or vitrified brick and tile, structural wood, steel shall only be permitted with Manufacturer's written recommendation.

3.02 SURFACE PREPARATION

- A. Prepare surface to receive wall coating system in accordance with manufacturer's written instructions.

- B. Remove dirt, oil, grease, wax, laitance, curing compounds, water-soluble concrete hardeners, and other surface contaminants. Remove sealers, finishes, and paints. Remove unsound concrete by appropriate mechanical means.
- C. **Glazed Block:** Shall be cleaned and prepared to achieve laitance-free and contaminant-free, open textured surface by grinding, sand-blasting or equivalent mechanical means in order to removed glazed surface area prior to system installations.
- D. **Concrete Block:** Shall be cleaned and prepared to achieve laitance-free and contaminant-free, open textured surface by grinding, sand-blasting or equivalent mechanical means (CSP level as per ICRI guidelines and manufacturer's written recommendation).
- E. Chemical Surface Preparation: Chemical surface preparation (acid etching) is unacceptable and will void Manufacturer's warranty.
- F. Control joints and cracks: Provide repair and treatment of control joints and surface cracks utilizing manufacturer's standard materials and installation details.

3.03 PRIMING

- A. Apply primer to all surfaces, unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.

3.04 COATING APPLICATION

- A. Mix and apply material with strict adherence to manufacturer's written installation procedures and coverage rates.
- B. Follow Manufacturer's written recommendations on all product data sheets.
- C. Do not apply while ambient and substrate temperatures are rising.
- D. Apply wall system with care to ensure that no laps, voids, or other marks or irregularities are visible, and with an appearance of uniform color, sheen and texture, all within limitations of materials and areas concerned.
- E. Match colors and textures of approved samples.

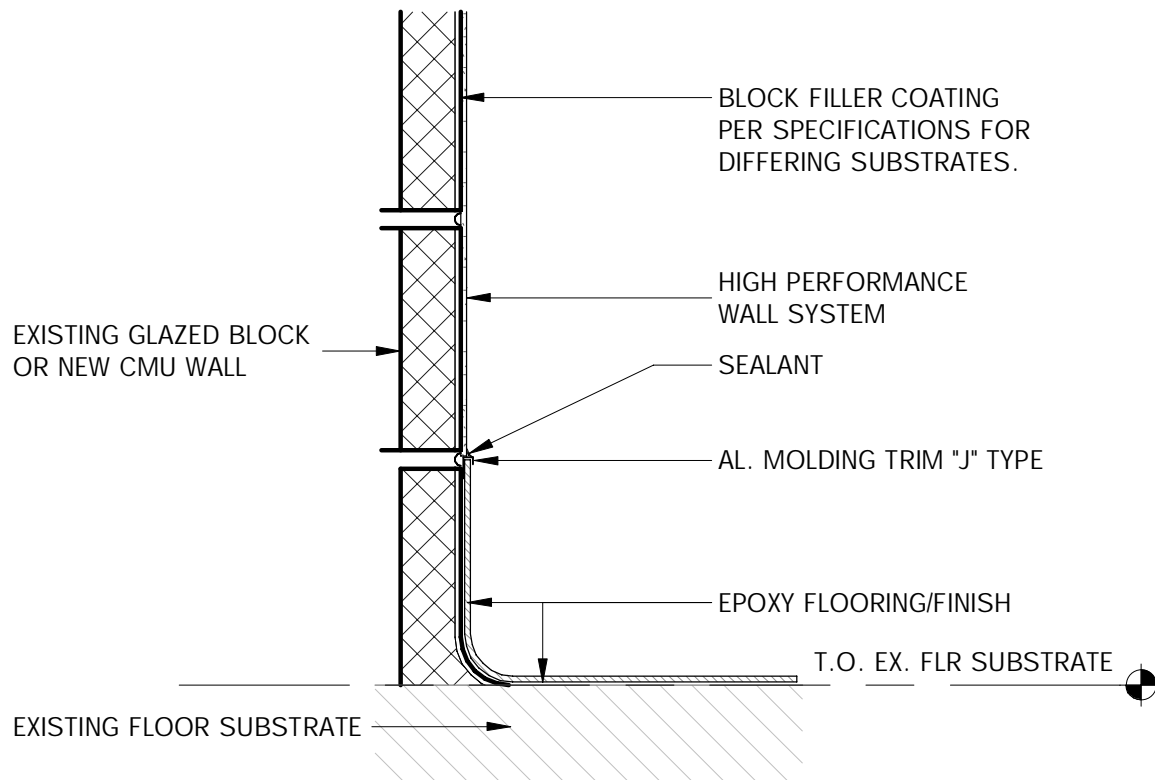
3.05 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.
- B. Clean surfaces immediately of overspray, splatter, and excess material.
- C. After coating has cured, clean and replace finish hardware, fixtures, and fittings previously removed.
- D. Disposal of this product, solution and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- E. Empty containers should be taken to an approved waste handling site for recycling or disposal.

3.06 PROTECTION

- A. Protect finished work from damage.
- B. Freshly applied material should be protected from dampness, condensation and water for at least 72 hrs.
- C. Beware of air flow and changes in air flow. Introduction of dust, debris, and particles, etc. may result in surface imperfections and other defects.
- D. Follow manufacturer's written recommendation with respect to cure, wait time and return to service.

END OF SECTION



16 SHOWER WALL TO INTEGRAL COVE EPOXY BASE
 3" = 1'-0"



Mechanical/Electrical Addendum

#: ME-1

RE: Hoover HS Locker Room Renovations

Date: 03/30/2021

To: Jeff Harris, Nick Hulstrom – RMH Architects, PC

BEC#: 2006
From: B. Brewer, PE

This addendum forms a part of the contract documents and modifies the bidding documents dated 03/15/2021, with amendments and additions noted below.

Acknowledge receipt of this addendum in the space provided in the bid form. Failure to do so may disqualify the bidder.

This addendum consists of 6 pages.

PART 1 - CLARIFICATIONS

1.1 None.

PART 2 - CHANGES TO THE PROJECT SPECIFICATIONS

2.1 NONE.

PART 3 - CHANGES TO THE DRAWINGS

3.1 P300 – PLUMBING SCHEDULES

A. REVISE plumbing fixture types WC-2, WC-3, and WC-4 per attached partial plumbing schedule dated 3/30/2021.

3.2 M101 – FIRST FLOOR MECHANICAL PLAN

A. REVISE HVAC work in Laundry Room along east to Base Bid. See attached drawing AD-M101A.

3.3 ED101 – FIRST FLOOR ELECTRICAL DEMOLITION PLAN

A. ADD a tagged note E to existing emergency light. See attached drawing AD-E101A.

3.4 ED102 – SECOND FLOOR ELECTRICAL DEMOLITION PLAN

A. NOTE that newer LED wall type fixtures may be salvaged at Owner's discretion. Verify with Owner before demolition of fixtures.

3.5 E101 – FIRST FLOOR ELECTRICAL & SYSTEMS PLAN

A. REVISE electrical work in Laundry Room along east to Base Bid. See attached drawing AD-E101A.

PART 4 - PRODUCT APPROVALS

The following manufacturers are approved for bidding on this project. The products and manufacturers listed are required to meet the project documents regardless of this approval. Conformance with the project documents will be evaluated during the submittal phase:

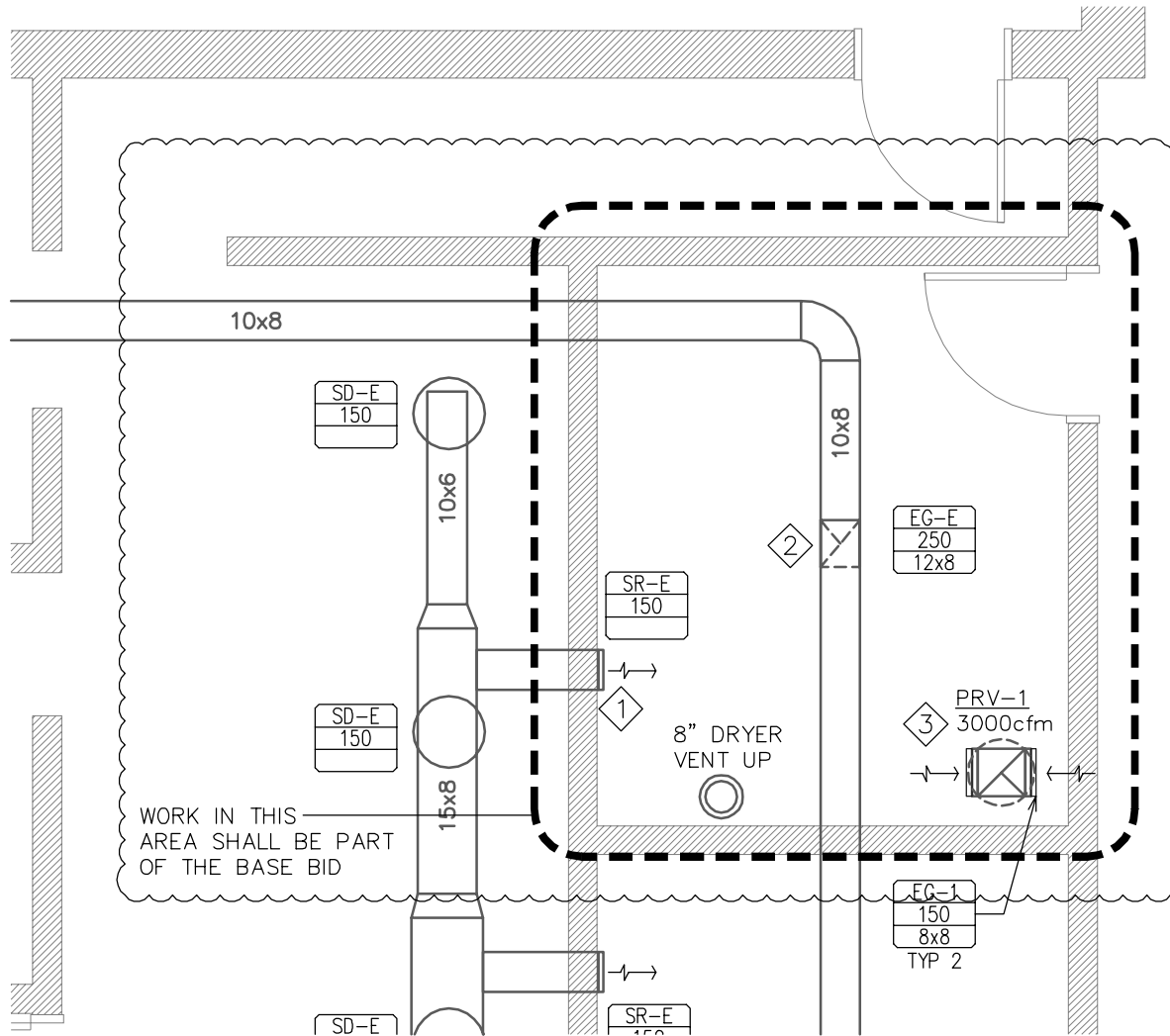
Specification Section	Product	Manufacturer
224000	Flush Valves	Sloan GEM-2 186 SFMS Sloan GEM-2 111 SFMS
233700	GRD's/Louvers	Pottorff, Anemostat
238200	Cabinet Unit Heater	Modine, Vulcan
238512	Air Coils	Modine Heatcraft
265100	Interior Lighting	Elite Lighting, Columbia Lighting, Emergi-Lite, Lightolier, Daybrite, Mule Lighting, Chloride Systems
260923	Lighting Control Devices	Leviton, Steinel

Sincerely,
Brewer Engineering Consultants, PLC

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END of ADDENDUM #ME-1

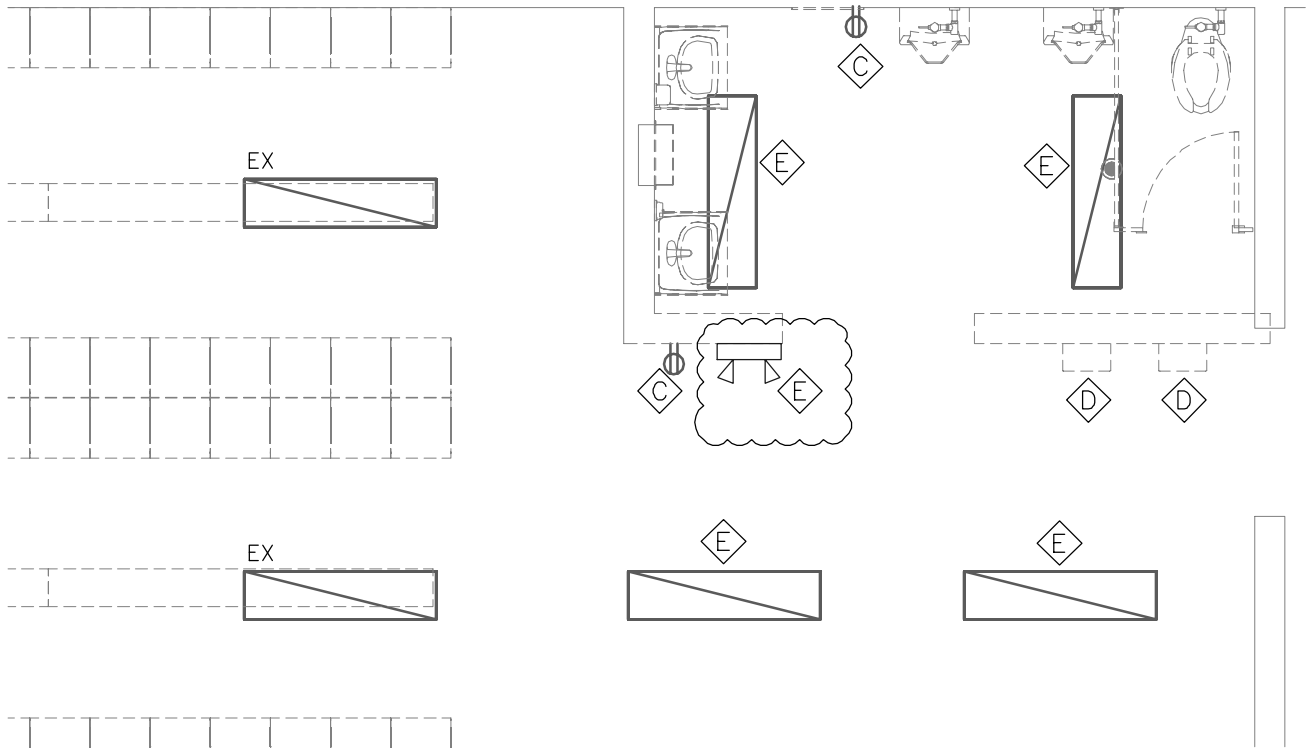
PLUMBING FIXTURE SCHEDULE (PARTIAL)										
MARK	FIXTURE TYPE	FIXTURE CONN. (INCH)					MOUNTING HEIGHT (IN) (FF TO RIM)	MANUFACTURER	MODEL	REMARKS
		CW	TW	HW	VENT	DRAIN				
WC-2	WATER CLOSET - WALL MOUNTED STD				2-1/2"	4"	+15"	AMERICAN STANDARD	2257.101	STANDARD HEIGHT, WALL MOUNTED, FLUSH VALVE TYPE, VITREOUS CHINA, SIPHON JET, ELONGATED BOWL, 1-1/2" TOP SPUD, 1.28-GPF, BOLT CAPS, WHITE.
	FIXTURE CARRIER				2"	4"		WATTS	WISCA1X1X	HORIZONTAL OR VERTICAL WATER CLOSET CARRIER, ADJUSTABLE, EPOXY COATED CAST IRON, ADJUSTABLE FOOT SUPPORTS, ASME A112.6.1M FOR 500 LBS.
	SEAT							BEMIS	1055SSC	OPEN FRONT SOLID PLASTIC SEAT FOR ELONGATED BOWL, STAINLESS STEEL HINGE POSTS, INTEGRALLY MOLDED BUMPERS, SELF SUSTAINING ANTI-SLAM ACTION.
	FLUSH VALVE	1"						HYDROTEK	HB-8000C-A	EXPOSED, DIAPHRAGM-TYPE FLUSHOMETER VALVE, SENSOR OPERATION. CHROME PLATED, BRASS CONSTRUCTION. 3/4" IPS SUPPLY. VACUUM BREAKER, WALL AND SPUD FLANGES. LOCKING STOP CAP. 1.6 GPF.
WC-3	WATER CLOSET - FLOOR MOUNTED ADA				2-1/2"	4"	+16-1/8"	KOHLER HIGHCLIFF	K-96057	ADA COMPLIANT, FLOOR MOUNTED, FLUSH VALVE TYPE, VITREOUS CHINA, SIPHON JET, ELONGATED BOWL, 1-1/2" TOP SPUD, 1.28-GPF, BOLT CAPS, WHITE.
	SEAT							BEMIS	1055SSC	OPEN FRONT SOLID PLASTIC SEAT FOR ELONGATED BOWL, STAINLESS STEEL HINGE POSTS, INTEGRALLY MOLDED BUMPERS, SELF SUSTAINING ANTI-SLAM ACTION.
	FLUSH VALVE	1"						HYDROTEK	HB-8000C-A	EXPOSED, DIAPHRAGM-TYPE FLUSHOMETER VALVE, SENSOR OPERATION. CHROME PLATED, BRASS CONSTRUCTION. 3/4" IPS SUPPLY. VACUUM BREAKER, WALL AND SPUD FLANGES. LOCKING STOP CAP. 1.6 GPF.
WC-4	WATER CLOSET - FLOOR MOUNTED STD				2-1/2"	4"	+15"	KOHLER	K-96053	STANDARD HEIGHT FLOOR MOUNTED, FLUSH VALVE TYPE, VITREOUS CHINA, SIPHON JET, ELONGATED BOWL, 1-1/2" TOP SPUD, 1.28-GPF, BOLT CAPS, WHITE.
	SEAT							BEMIS	1055SSC	OPEN FRONT SOLID PLASTIC SEAT FOR ELONGATED BOWL, STAINLESS STEEL HINGE POSTS, INTEGRALLY MOLDED BUMPERS, SELF SUSTAINING ANTI-SLAM ACTION.
	FLUSH VALVE	1"						HYDROTEK	HB-8000C-A	EXPOSED, DIAPHRAGM-TYPE FLUSHOMETER VALVE, SENSOR OPERATION. CHROME PLATED, BRASS CONSTRUCTION. 3/4" IPS SUPPLY. VACUUM BREAKER, WALL AND SPUD FLANGES. LOCKING STOP CAP. 1.6 GPF.



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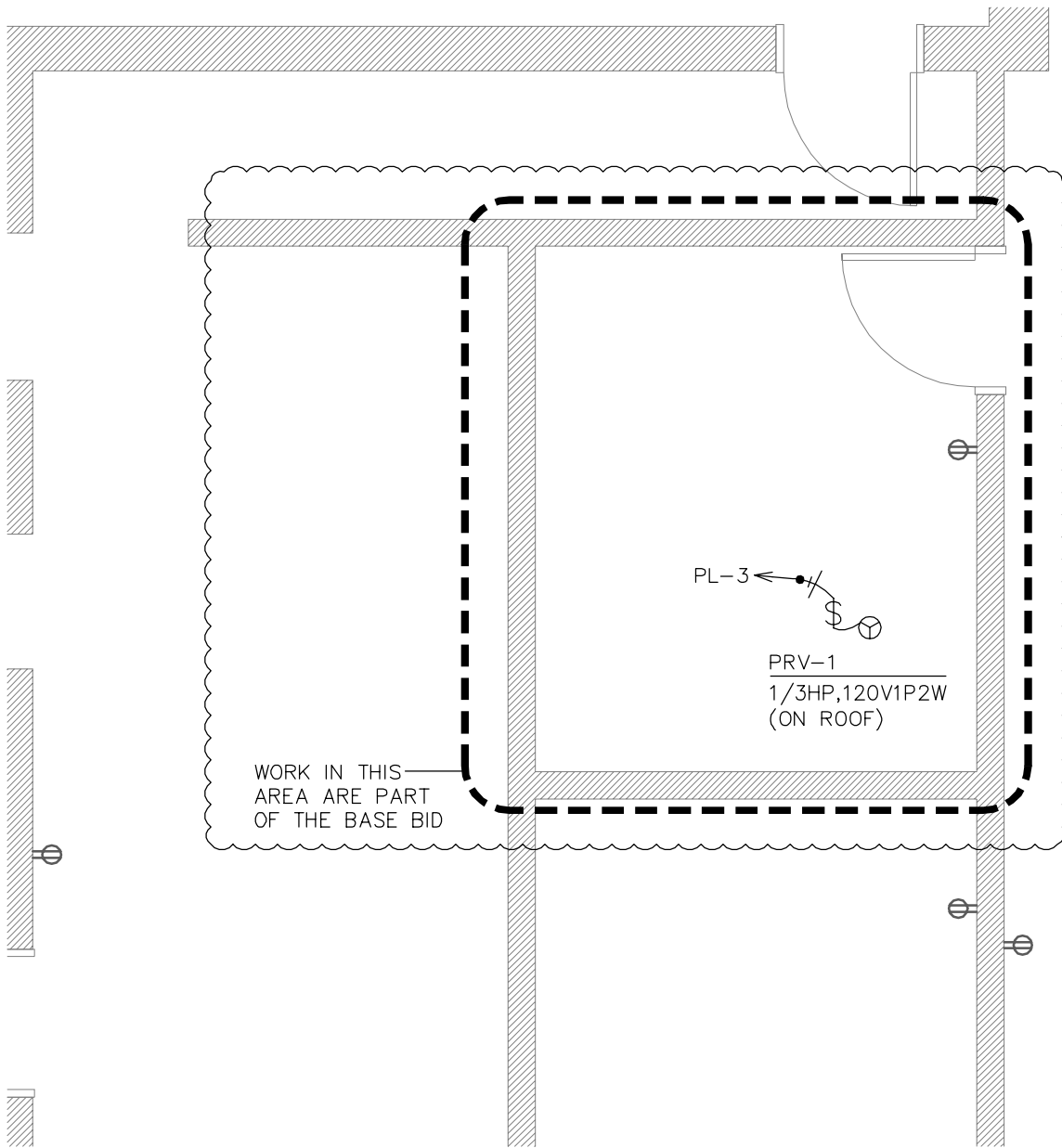
PROJ:	DSM HOOVER LOCKER RENOVATIONS	BEC NO:	2006
DESC:	MECHANICAL REVISION		
BY:	BKB	DRAWING REFERENCE:	M101A
DATE:	3/30/2021	SUPPLEMENTAL DRAWING NO:	AD-M101A



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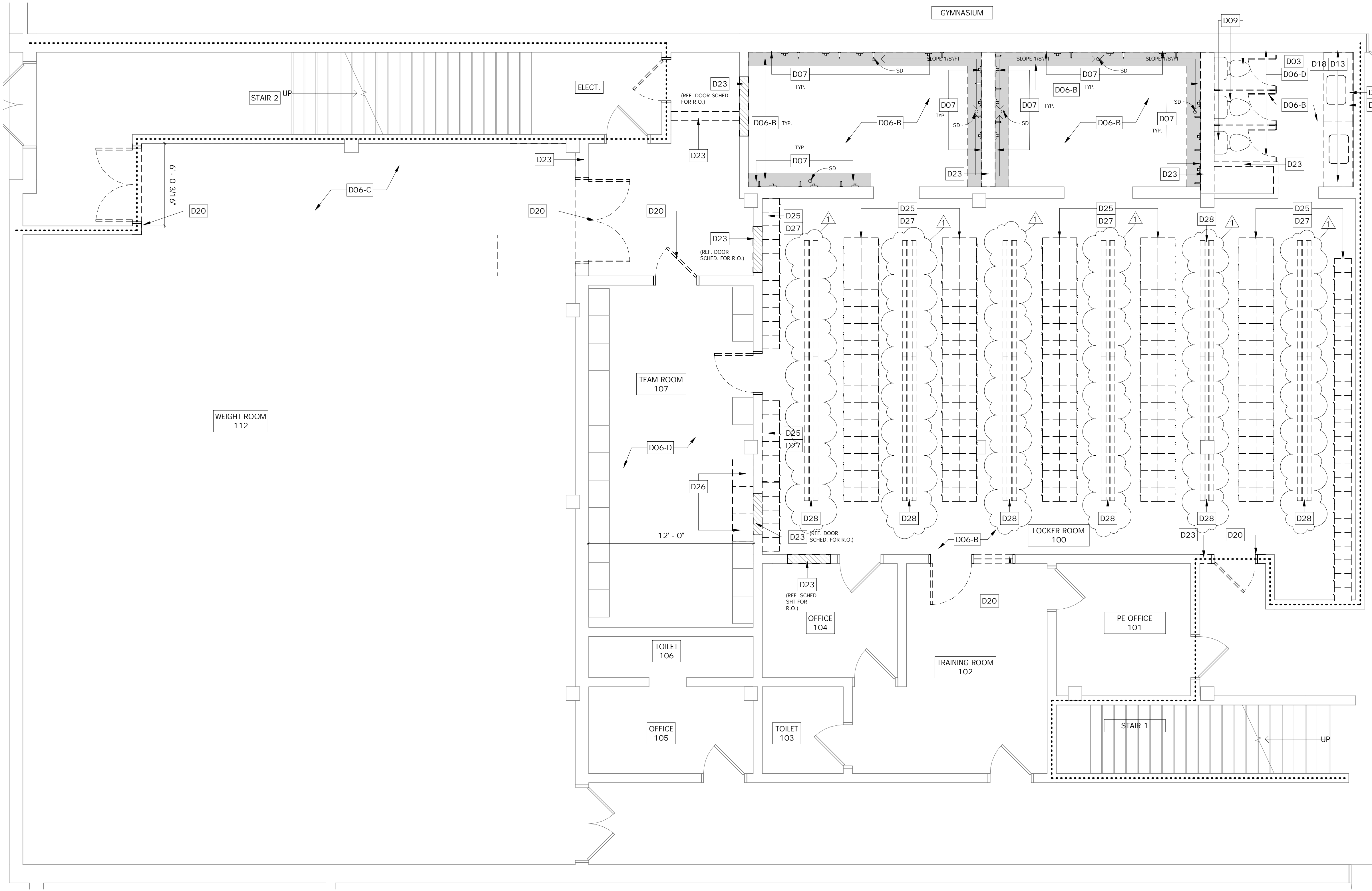
PROJ:	DSM HOOVER LOCKER RENOVATIONS	BEC NO:	2006
DESC:	ELECTRICAL REVISION		
BY:	BKB	DRAWING REFERENCE:	ED101
DATE:	3/30/2021	SUPPLEMENTAL DRAWING NO:	AD-ED101A



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GENERAL NOTES

1. EXISTING CONDITION DRAWINGS WERE COMPILED FROM CONSTRUCTION DRAWINGS PROVIDED BY THE OWNER AND ARE NOT INTENDED TO SHOW EVERY EXISTING CONDITION. CONTRACTOR SHOULD VERIFY ALL SITE CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING. EXISTING BUILDING DRAWINGS ARE AVAILABLE AT THE ARCHITECTS OFFICE FOR REVIEW.
2. REMOVE ALL EXISTING WALLS, DOOR FRAMES, DOORS, AND MILLWORK WHERE REQUIRED. VERIFY SALVAGE RIGHTS WITH OWNER.
3. REMOVE ALL EXISTING CEILINGS WHERE NEW CEILINGS ARE INDICATED ON CEILING PLANS.
4. REMOVE ALL EXISTING LIGHT FIXTURES, SURFACE AND RECESSED CONDUIT AND WIRING, WALL SWITCHES AND OUTLETS, VOICEDATAOUTLETS AND WIRING, CIRCUIT BOXES, & FLOOR BOXES THAT WOULD EXIST IN A DORMANT STATE UPON COMPLETION OF THE PROJECT. REMOVE ALL WIRING AND CONDUIT BACK TO CIRCUIT PANEL OR PHONE PANEL LEAVING NO DORMANT WIRE. (SEE FLOOR PLAN FOR DETAILS) VERIFY SALVAGE RIGHTS WITH OWNER.
5. REMOVE ALL EXISTING PLUMBING FIXTURES, PLUMBING SOIL AND VENT STACKS, FLOOR DRAINS, AREA DRAINS, AND ANY EXTRANEIOUS PLUMBING THAT WOULD EXIST IN A DORMANT STATE AT THE COMPLETION OF THE PROJECT. (SEE PLANS FOR DETAILS) VERIFY SALVAGE RIGHTS WITH OWNER.
6. REMOVE EXISTING MECHANICAL EQUIPMENT, EXHAUST AND SUPPLY DUCTING AND PIPING NOT REQUIRED BY THE NEW CONSTRUCTION, AND ANY EXTRANEIOUS MECHANICAL ITEMS THAT WOULD EXIST IN A DORMANT STATE AT THE COMPLETION OF THE PROJECT.
7. PREPARE WALLS TO REMAIN FOR REQUIRED FINISH PER MANUF. RECOMMENDED INSTRUCT. (TO INCLUDE, NOT LIMITED TO: PAINT, SOLID SURFACE, EPOXY ETC.)
8. REMOVE AND REINSTALL AT COMPLETION OF PROJECT ALL CEILING AND WALL MOUNTED ACCESSORIES INCLUDING SIGNAGE, ELECTRICAL DEVICES, ART WORK, AND MISCELLANEOUS ITEMS.

DEMO NOTES

D01	DEMO BATHROOM PARTITIONS
D02	REMOVE BATHROOM PARTITIONS; SALVAGE & STORE FOR REINSTALLATION
D03	DEMO BATHROOM ACCESSORY
D04	REMOVE BATHROOM ACCESSORY SALVAGE & STORE FOR REINSTALLATION
D05-A	DEMO VINYL BASE; PREP FOR NEW MATERIAL
D05-B	REMOVE CERAMIC BASE; PREP FOR NEW MATERIAL
D05-C	DEMO EPOXY BASE; PREP FOR NEW
D06-A	DEMO VCT FLOORING TO SUBSTRATE
D06-B	DEMO CERAMIC TILE FLOORING TO SUBSTRATE
D06-C	REMOVE & SALVAGE RUBBER FLOORING RETURN TO OWNER
D06-D	PREPARE SEALED CONCRETE FOR NEW EPOXY FLOORING
D06-E	DEMO SHEET VINYL FLOORING TO SUBSTRATE
D07	DEMO SHOWER FIXTURE (SEE MECH) & SOAP DISH(S)
D08	REMOVE TOILET & FLUSH VALVE; SALVAGE TOILET FOR REINSTALLATION (SEE MECH)
D09	DEMO TOILET & FLUSH VALVE; DISPOSE; PREP FOR NEW (SEE MECH.)
D10	REMOVE URINAL & FLUSH VALVE; SALVAGE URINAL FOR REINSTALLATION (SEE MECH.)
D11	DEMO URINAL & FLUSH VALVE; DISPOSE; PREP NEW (SEE MEP)
D12	DEMO LAVATORY FAUCET ONLY; PREP FOR NEW (SEE MEP)
D13	DEMO LAVATORY & FAUCET(SEE MECH.)
D14	DEMO HAND DRYER (SEE ELECT)
D15	REMOVE HAND DRYER; SALVAGE; REINSTALL (SEE ELECT.)
D16	DEMO FLOOR TO ACCESS PLUMBING BELOW. (SEE MECH.)
D17	DEMO WALL TILE
D18	DEMO CASEWORK/MILLWORK
D19	DEMO MIRROR & ADHESIVE/FASTENERS
D20	DEMO DOOR & FRAME
D21	REMOVE PLUMBING FIXTURE (SEE MEP DWGS)
D22	DEMO INSTANT WATER HEATER (SEE MECH)
D23	DEMO CMU WALL (REF DOOR SCHEDULE FOR REQUIRED R.O. SIZE)
D25	DEMO LOCKER(S)
D26	REMOVE LOCKER SALVAGE, STORE FOR REINSTALLATION
D27	DEMO LOCKER CURB
D28	DEMO BENCH; FILL CORE HOLES AND PREP FOR NEW FLOORING



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DMP5 - HOOVER HIGH SCHOOL
HOOVER LOCKER ROOM RENOVATION

1ST FLOOR DEMO PLAN