ADDENDUM

Addendum #:	**2**
Date:	**February 12, 2025**
Project #:	**2024-0014**
Project Name:	**Longview Memorial Stadium Upgrades**

BID OPENING: **2:00 P.M., FEBRUARY 19, 2025**
(unchanged) **LONGVIEW SCHOOL DISTRICT NO. 122**
MOTF OFFICE
2080 38TH AVENUE
LONGVIEW, WA 98632

NOTE: The work stated and described in this addendum shall become a part of the Contract Documents for this project.

NOTE: To request electronic media copies of the Hazardous Material Survey and/or the Existing Building Drawings, reach out to Carrie McIntyre, carrie@lsw-architects.com.

SECOND PRE-BID SITE WALK-THROUGH:
For those who attended the Pre-Bid Site Meeting, an optional second pre-bid walk is being scheduled for 11:00 A.M., Monday, February 17, 2025 at Memorial Stadium, 2853 Hudson Street Longview, WA 98632. Attendance is optional.

BID FORM
ADD table under Identification of Subcontractors paragraph B per attached revised Section 00 41 00.

SPECIFICATIONS
00 31 00:
ADD 1.01D Hazardous Material Survey as follows and per attached revised Section 01 31 00:

1.01, D. Hazardous Material Survey: Entitled Limited Lead and Asbestos Survey, dated October 14 and 22, 2024.

1. An electronic media copy is available upon request.

03 01 00:
REVISE Installer Qualifications to 5 years per attached revised Section 03 01 00.
ADD Finishing and Accessories paragraphs under 2.02, F per attached revised Section 03 01 00.

03 35 11:
ADD Clear Coatings under 1.01, 2.01 and 2.02 per attached revised Section 03 35 11 for exposed concrete slab at Ticket Booth 035.

05 12 00:
DELETE the following after 1.05, D, per attached revised Section 05 12 00:

"E. Fabricator Qualifications:

1. A qualified steel fabricator that participates in the AISC Quality Certification Program and is designated as an AISC Certified Plant, Category STD."

08 33 13:
REVISE 2.02, A to read as follows, per attached revised Section 09 67 00:

A. Coiling Counter Metal Doors, Non-Fire Rated: Galvanized steel slat curtain.

09 67 00:
REVISE Fluid-Applied Flooring, EF-1 per attached revised Section 09 67 00.
REVISE 3.02, A and 3.03, D and E per attached revised Section 09 67 00.

09 91 13:
REVISE 2.03, F per attached revised Section 09 91 13.

09 91 23:
REVISE paint sheens in 2.03, A and 2.03, E per attached revised Section 09 91 23.

10 83 00:
REVISE 1.03, C, 2 per attached revised Section 10 83 00.
ADD Designer Qualifications paragraph under 1.04 per attached revised Section 10 83 00.

ARCHITECTURAL DRAWINGS

Sheet AD-101: (revised sheet attached)
    ADD Keynote 9.079 to Demo Level 1 Floor Plan and Demo Level 1 RCP.

Sheet A-101: (revised sheet attached)
    REVISE graphics at infill CMU walls at Team Room Expansion 003 and Team Room 009.

Sheet A-401: (revised sheet attached)
    ADD Keynote 9.086 to Ticket Booth Enlarged Plan.
    ADD Keynote 26.510 to Ticket Booth Enlarged RCP.

Sheet A-601: (revised sheet attached)
    REVISE Color & Material Schedule.
    REVISE Room Finish Schedule.

Sheet A-701: (revised sheet attached)
    REVISE various elevations as indicated.
    DELETE Keynote Legend.

STRUCTURAL DRAWINGS

Sheet S-101:
    ADD Detail Tag 12/S-202 at B/S-101.
    REVISE notes for New Ardex Self Leveling Cementitious Concrete Topping at A/S-101.

Sheet S-103:
    REVISE Framing Plan Note 1.

Sheet S-202:
    ADD Detail 12/S-202.
    ADD additional notes at A/S-202 related to existing structure.

SUBSTITUTIONS (See Attached List)

BIDDER QUESTIONS AND ANSWERS (See Attached List)

END OF ADDENDUM # 2

Attachments:

Substitution Request Log

Bidder Questions Log

Specification Sections: Section 00 41 00 – Bid Form
Section 00 31 00 – Available Project Information
Section 03 01 00 – Maintenance of Concrete
Section 03 35 11 – Concrete Floor Finishes
Section 05 12 00 – Structural Steel Framing
Section 08 33 13 – Coiling Counter Doors

Section 09 67 00 – Fluid-Applied Flooring
Section 09 91 13 – Exterior Painting
Section 09 91 23 – Interior Painting
Section 10 83 00 – Flags and Banners

Drawing Sheets: Sheet AD-101
Sheet A-101
Sheet A-401
Sheet A-601
Sheet A-701
Sheet S-101
Sheet S-103
Sheet S-202

LSW ARCHITECTS

Owner : Longview School District
Project: Memorial Stadium
Project # : 2024-0014

SUBSTITUTION REQUEST LOG

February 12, 2025

#	SECTION	PAR.	ITEM	SUBSTITUTION	DATE	BY	PHONE #	ACTION
1	26 51 00	2.01	Luminaire Type C	Kim Lighting PVNT-4-35-35K8-D01-UNV-C-WHS	1-23-25	Austyn Parks The Lighting Project	503-502-1738	**REJECTED**
2	26 51 00	2.01	Luminaire Type G	FC Lighting FCW3800-UNV-FK-CRI85-26L-BKE	1-23-25	Austyn Parks The Lighting Project	503-502-1738	**REJECTED**
3	26 51 00	2.01	Luminaire Type J	Columbia Lighting MPS2-35MW-CPW-EDU	1-23-25	Austyn Parks The Lighting Project	503-502-1738	**REJECTED**
4	26 51 00	2.01	Luminaire Type G	Kim Lighting PVNTR-13-20-40K8-D01-UNV-BLT	1-30-25	Austyn Parks The Lighting Project	503-502-1738	**APPROVED**
5	07 41 13	2.03	AEP HR-36	TBC 7.2 Rib	2-3-25	The Bryer Company	206-635-6234	**REJECTED**
6	10 81 00	2.02	Bird Control Netting	Bird-X PE - Plus Premium Grade Bird Net	2-4-25	Custom Care Pest Services	208-362-9098	**REJECTED**
7								
8								
9								
10								
11								
12								
13								
14								
15								

END OF SUBSTITUTION REQUEST LOG

BIDDER QUESTIONS LOG

February 12, 2025

#	SECTION / DWG	PG.	ITEM	QUESTION	DATE	BY	PHONE #	RESPONSE
1	00 21 13		Instructions to Bidders	Do registration requirements of Ch. 18.27 RCW apply to the GC or to each subcontractor?	1-16-25	Lisa Gaskill Skyward Construction	360-857-4054	**The licensure requirements are stated in Instruction to Bidders - "Bidders and their proposed Subcontractors".**
2	08 33 13	2.02A	Coiling Counter Doors	2.02A is calling for stainless steel, however, 2.02 A.G is stating steel factory powder coated. Do you want stainless steel w/ stainless steel finish, or do you want steel with powder coat TBD?	1-16-25	Lisa Gaskill Skyward Construction	360-857-4054	**Intent is for a power coated finish. See revised Section 08 33 13 in Addendum 2.**
3			Door Schedule	Please confirm if door 035B is existing also. If not existing, please confirm the height as 3'-8" tall. Seems short for a storage room?	1-16-25	Lisa Gaskill Skyward Construction		**Door 035B is a new coiling counter door. 3'-8" is correct and is the height from the counter to the door head. This is a ticket booth, not a storage room.**
4	05 12 00		Structural Steel Framing	Can the requirements for a steel fabricator that participates in the AISC Quality Certification Program and is designated as an AISC-Ceritified Plant be waived?	1-17-25	ATC via Skyward Construction, Inc.		**Yes. See revised Section 05 12 00 in Addendum 2.**
5				Do sub-contractor bids have to be hand delivered?	1-17-25	Jessica Reite Purcell Painting & Coatings	206-835-6878	**It's typical that a sub contractor provides their bid to a general contractor, not directly to a owner.**
6				Do sub-contractors have to provide a 5% bond?	1-17-25	Jessica Reite Purcell Painting & Coatings	206-835-6878	**This bond is expected to be from a GC.**
7				Is the pre-bid meeting mandatory for sub-contractors?	1-17-25	Jessica Reite Purcell Painting & Coatings	206-835-6878	**It's always best if a sub contractor can attend a pre bid, but it is not mandatory.**

BIDDER QUESTIONS LOG

February 12, 2025

#	SECTION / DWG	PG.	ITEM	QUESTION	DATE	BY	PHONE #	RESPONSE
8				Which epoxy product from Sherwin-Williams has been selected?	1-21-25	Kyle Kranz Ace of Sprays	253-735-1961	**See revised Section 09 67 00.**
9	00 43 00		Apprentice Utilization Plan Forms	Please confirm if the attached forms are needed with the bid? In my experience this information is provided by the GC when submitting a pay app.	1-22-25	Lisa Gaskill Skyward Construction	360-857-4054	**This is a post bid form, described in 00 21 13 Instruction to Bidders. Information about Apprentice Utilization is in 00 11 13 Advertisement for Bids**
10				Will a bid check list be provided in an addendum? I could not locate one in the manual.	1-22-25	Lisa Gaskill Skyward Construction	360-857-4054	**Bid Check List was provided in Addendum 1.**
11	09 67 00	3.03, D		3.03 #D of spec section 09 67 00 states "Cove at wood bases at lockers." Although the Armorseal 8100 can be applied over an existing coved product, it is a thin mil water-based epoxy coating that cannot be made to "create" a resinous cove if that is the intent. Please verify that the intent is indeed to have some other product (wood or otherwise installed to create "cove" transition prior to the application of the epoxy floor coating.	1-22-25	Lisa Gaskill Skyward Construction	360-857-4054	**See revised Section 09 67 00.**
12	03 54 00	S-101	Concrete Overlayment / Resurfacing	Page S-101 states that this overlay is supposed to have a 1/8" slope… because Ardex K301 is self-leveling, it cannot be applied with a slope. Will a different product be specified or is a sloped application not required?	1-24-25	Lisa Gaskill Skyward Construction	360-857-4054	**The installer will need to towel to finish and that is how they will be able to achieve the slope. See also revised Section 03 01 00 in this Addendum.**
13				Will the space be occupied during construction?	1-24-25	Lisa Gaskill Skyward Construction	360-857-4054	**The stadium building and surrounding grounds past the existing security fencing will not be occupied during construction.**

BIDDER QUESTIONS LOG

February 12, 2025

#	SECTION / DWG	PG.	ITEM	QUESTION	DATE	BY	PHONE #	RESPONSE
14			Existing Lockers	My company is the Washington dealer for List Industries Lockers. We have done many school projects with LSW over the years. I'm wondering if there are any photos of the existing lockers at Memorial Stadium that are to be salvaged and reinstalled?	1-29-25	Didrk Gritzka Northwest School Equipment	503-752-4393	**A secondary, optional, walk through is available for those that attended the mandatory pre-bid walk. See also date and time in this Addendum.**
15	S-103		Roof purlins	Roof purlins can either be Pressure Treated or Fire Retardant, not both. Field applied fire resistant paint lasts for 5 years before reapplication. Fire resistant beams have a 2-3 month lead time.	1-30-25	Joe Brown Five Rivers Construction, Inc.	360-232-8571	**Remove the requirement for the Fire Retardant Treatment (FRT). Solid Sawn members to be pressure treated only.**
16	S-202		Existing CMU grouting	A/S-202 shows 84 cored holes in CMU face (one side) with a goal to fully grout all cells. At the job walk you stated the wall was already fully grouted but contractor has to verify. Masonry walls usually have horizontal bond beams at first coarse and every 4' after and vertical cells per spacing given on plans (I have seen 16" oc – 48" oc). If bond beams exist similar to what I have stated, there will be more than twice as many holes needed to drill (and patch) than what is shown. How are we to bid "unknown" conditions. Will extra holes required (to drill & patch) be able to get covered with a change order?	1-30-25	Joe Brown Five Rivers Construction, Inc.	360-232-8571	**See revised elevation A/S-202 this Addendum.**
17			Boom Lifts on Field side of Stadium	Is it permissible to drive boom lifts on field side of stadium?	1-31-25	Lisa Gaskill Skyward Construction	360-857-4054	**Boom lifts past the fence around the track and field are not acceptable. Boom lifts are expected to be secondary to the scaffolding identified in the structural drawings.**

Owner :	**Longview School District**
Project:	**Memorial Stadium**
Project # :	**2024-0014**

BIDDER QUESTIONS LOG

February 12, 2025

#	SECTION /	PG.	ITEM	QUESTION	DATE	BY	PHONE #	RESPONSE
18	Bid Form		Structural subcontractors on bid form	There is no where to list the Structural Steel & Rebar Installers like the HVAC Plumbing & Electrical for the Base Bid portion. There is a place for all of them on the Alternates but Structural Steel & Rebar Installers won't be in any of the Alternates.	2-5-25	Angie Morris Five Rivers Construction	360-423-1991	**Revised Bid Form is included in this Addendum.**
19			Hazardous Materials	Can you provide us with the existing hazardous materials report…specifically we are looking for information reqarding the presence of lead on-site.	2-6-25	Summer Reeves JH Kelly	360-523-3908	**Hazardous Materials Report is available for those that request it, per revised Section 00 31 00. Email carrie@lsw-architects.com**
20								
21								
22								
23								
24								
25								
26								
27								

END OF SUBSTITUTION REQUEST LOG

BID FORM

To be submitted no later than 2:00 p.m. on the bid submittal date indicated in Section 00 11 13.

TO: Longview School District No. 122
MOTF Office
2080 38th Avenue
Longview, Washington 98632

The undersigned Bidder acknowledges receipt of and familiarization with the Bidding Documents, the Project Manual, the Drawings, the Specifications, the Contract Documents, and the following Addenda:

Addendum No.:	Date	Pages	Initials of Bidder Representative
1			
2			
3			
4			

BASE BID:

Pursuant to and in compliance with the Contract Documents, including the Advertisement for Bids and Instructions to Bidders, the Bidder hereby certifies that it has carefully examined the Bidding Documents, the Contract Documents, and the conditions affecting the Work, and being familiar with the site, and having made the necessary examinations, proposes to furnish all labor, materials, equipment, and services necessary to complete the Work in strict accordance with the Contract Documents for the above-named Project for the following sum, which is hereby designated as the Base Bid:

____ Dollars ($ ___________________).

(Show amount in words and figures. This amount does not include state/local sales tax.)

ALTERNATE BIDS:

See Section 01 23 00, Alternates, for full description.

No.:	Description of Alternate Bids	Type	Alternate Bid Amount (Words)	Alternate Bid Amount (Figures)
1.	Remove scope of work related to replacing sinks & counters from 2nd Level Restrooms.	Deduct		$
2.	Remove painting scope at interior walls and floors of Press Box.	Deduct		$

No.:	Description of Alternate Bids	Type	Alternate Bid Amount (Words)	Alternate Bid Amount (Figures)
3.	Remove exterior flags/banners and mounting bracket scope. See Section 10 83 00.	Deduct		$
4.	Remove exterior spot lighting fixtures on south exterior wall.	Deduct		$

REINSTATEMENT OF ALTERNATE BIDS:

The undersigned Bidder agrees that the Owner has the right, for a period of forty-five (45) days following the bid submittal deadline, to initiate or rescind acceptance of any Alternate Bid in the amount(s) quoted above.

SALES TAX:

None of the sums stated in the foregoing includes Washington State or local sales tax.

TIME OF COMPLETION AND LIQUIDATED DAMAGES:

The undersigned Bidder agrees, if awarded the Contract, to achieve Substantial Completion of the Work of the Contract within the period specified in AIA Document A101-2017, as modified by Owner, and also agrees to the amounts specified in the Contract Documents for Liquidated Damages. It is further agreed that the time for completion of the Work described herein is a reasonable time considering the average climatic range and usual industrial conditions prevailing in the locality.

TRENCH EXCAVATION SAFETY PROVISIONS:

If the Contract Documents contain any work that requires trenching exceeding a depth of four (4) feet, all costs for adequate trench safety systems must be identified as a separate bid item in compliance with Chapter 39.04 RCW and WAC 296-155-650. The purpose of this provision is to ensure that the Bidder agrees to comply with all the relevant trench safety requirements of Chapter 49.17 RCW. This bid amount will be considered as part of the Base Bid set forth above. Bidder must include a lump-sum dollar amount in the blank below (even if the value is $0.00) to be responsive.

Trench Excavation Safety Provisions Only: ___________________________________ Dollars ($____________).

CONTRACT AND BONDS:

If the Owner awards a contract based on this Bid within forty-five (45) days of the bid submittal deadline, the Bidder agrees to execute a contract for the above work, for compensation computed from the above-stated sums, on the form of contract provided in the Bidding Documents, and to furnish Payment and Performance Bonds and acceptable evidence of insurance as required by the Contract Documents.

BID GUARANTEE:

Pursuant to the Instruction to Bidders, Section 00 21 13, Bidder hereby certifies that it has furnished a bid guarantee for no less than five (5) percent of the Base Bid, and that such guarantee accompanies this Bid Form.

Within twenty-four (24) hours after the issuance of the Owner's notice of intent to award the Contract, the successful bidder must furnish evidence satisfactory to the Owner of its ability to obtain statutory bonds pursuant to Chapter 39.08 RCW. Additionally, the successful bidder must submit the Payment and Performance Bonds and other documents required by the Contract Documents (including, but not limited to, certificates of insurance) to the Owner no later than seven (7) days after the date of execution of the Contract. The successful bidder must also submit within forty-eight (48) hours of the Owner's request a complete Apprenticeship Utilization Plan and such other information as specified in Paragraph 1.06 ("Post-Bid Information") of the Instructions to Bidders, Section 00 21 13.

If the successful bidder, upon award of the Contract by the Owner, fails to execute the Contract or submit the Payment and Performance Bonds or other information required by the Instructions to Bidders as required within the time specified, the Owner may revoke the award. Should the successful bidder fail to enter into the Contract with Owner, the bid guarantee may be retained by Owner as liquidated damages, not as a penalty.

If a contract is not awarded within forty-five (45) days after the bid submittal deadline, or if the Bidder delivers an executed Contract, executed Payment and Performance Bonds, and such other information required by the Instructions to Bidders, Section 00 21 13, then the certified or bank cashier's check submitted as the bid guarantee will be returned to the bidder, or the Bid Bond will become void.

IDENTIFICATION OF SUBCONTRACTORS:

A. Due Within One (1) Hour of the Bid Submittal Deadline

List here the names of the Subcontractors with whom the Bidder, if awarded the Contract, will subcontract for performance of the Work of HVAC (heating, ventilation, and air conditioning), plumbing (as described in Chapter 18.106 RCW) and electrical (as described in Chapter 19.28 RCW), or indicate if Bidder will self-perform the Work. Bidder may only substitute a listed Subcontractor in accordance with RCW 39.30.060. Failure of the Bidder to submit as part of the Bid the names of such Subcontractors or to name itself to perform such Work, or the naming of two or more Subcontractors to perform the same Work, will render the Bid nonresponsive and, therefore, void.

Type of Work	Subcontractor Name (Or Indicate Self-Performed)	Subcontractor Address	Subcontractor Phone
HVAC (heating, ventilation, and air conditioning)			

Plumbing as described in Chapter 18.106 RCW			
Electrical as described in Chapter 19.28 RCW			

B. Due Within Forty-Eight (48) Hours of the Bid Submittal Deadline

RCW 39.30.060(1)(b) allows the Bidder to submit within forty-eight (48) hours of the published bid submittal deadline the names of the Subcontractors with whom the Bidder will subcontract for the performance of the Work of structural steel installation and rebar installation. Please indicate whether the Bidder intends to submit the names of Subcontractors for the structural steel installation and rebar installation along with the Base Bid or will submit within forty-eight (48) hours. Failure of the Bidder to submit the names of such Subcontractors or to name itself to perform such Work, or the naming of two or more Subcontractors to perform the same Work, will render the Bid nonresponsive and, therefore, void.

The Bidder has included Subcontractor names for structural steel installation and rebar installation on this form

☐ Yes ☐ No

The Bidder intends to submit Subcontractor names for structural steel installation and rebar installation within forty-eight (48) hours of the bid submittal deadline as indicated in Section 00 21 13.

☐ Yes ☐ No

Failure of the Bidder to submit Subcontractor names within the above-stated timeframes will render the Bid nonresponsive and void.

Type of Work	**Subcontractor Name (Or Indicate Self-Performed)**	**Subcontractor Address**	**Subcontractor Phone**
Structural Steel Installation			
Rebar Installation			

If Subcontractors vary with Alternate Bids, Bidder must indicate which Subcontractor will be used for which Alternate Bid.

Alternate No.:	Subcontractor Name	Work to be Performed
1		HVAC
		Plumbing
		Electrical
		Structural Steel Installation
		Rebar Installation
2		HVAC
		Plumbing
		Electrical
		Structural Steel Installation
		Rebar Installation
3		HVAC
		Plumbing
		Electrical
		Structural Steel Installation
		Rebar Installation
4		HVAC
		Plumbing
		Electrical
		Structural Steel Installation
		Rebar Installation

RESPONSIBILITY CRITERIA:

The undersigned hereby verifies under penalty of perjury, in accordance with RCW 9A.72.085, that Bidder is in compliance with the responsible bidder criteria requirements of RCW 39.04.350(1)(g).

BIDDER'S INFORMATION:

Bidder's Business Name:		
Type of Business: ☐ Sole Proprietorship ☐ Partnership ☐ Corporation (State of Incorporation:___) ☐ Other		
Physical Business Address (Must not be a P.O. Box):		
City:	State:	Zip Code:
Business Telephone Number:	Business Fax Number:	Business Email Address:
State of Washington numbers for the following:		
Contractor Registration No.:	UBI No.:	Employment Security Dept. No.:

OFFICIAL AUTHORIZED TO SIGN FOR BIDDER:

"I certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct":	
Signature:	Date:
Print Name and Title	Location or Place Executed: (City, State)

END OF SECTION

SECTION 00 31 00
AVAILABLE PROJECT INFORMATION

PART 1 GENERAL

1.01 EXISTING CONDITIONS

A. Certain information relating to existing surface and subsurface conditions and structures is available to bidders but will not be part of Contract Documents, as follows:

B. Site and Utility Survey: Entitled Longview Public Schools Stadium Field Conversion & Track, dated 2/28/2024.
   1. An electronic media copy is available upon request.
   2. This survey identifies grade elevations prepared primarily for establishing new grades and identifying natural water shed.

C. Existing Building Drawings:
   1. An electronic media copy is available upon request.
   2. Original construction drawings for existing structure.

D. **Hazardous Material Survey: Entitled Limited Lead and Asbestos Survey, dated October 14 and 22, 2024.**
   1. **An electronic media copy is available upon request.**

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 03 01 00
MAINTENANCE OF CONCRETE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Cleaning of existing concrete surfaces.

B. Resurfacing of concrete surfaces having spalled areas and other damage.

C. Repair of deteriorated concrete.

D. Repair of internal concrete reinforcement.

E. Repair and strengthening of concrete with applied composite materials.

F. Scope of Work: As indicated on drawings.

1.02 REFERENCE STANDARDS

A. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2023.

B. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2023.

C. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 50 mm [2 in.] Cube Specimens); 2023.

D. ASTM C348 - Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars; 2021.

E. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2024.

F. ASTM C881/C881M - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete; 2020a.

G. ASTM C928/C928M - Standard Specification for Packaged, Dry, Rapid-Hardening Cementitious Materials for Concrete Repairs; 2020a.

H. ASTM C1059/C1059M - Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete; 2021.

I. ICRI 310.2R - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair; 2013.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Indicate product standards, physical and chemical characteristics, technical specifications, limitations, maintenance instructions, and general recommendations regarding each material.

C. Manufacturer's instructions.

D. Field quality control submittals.

E. Manufacturer's qualification statement.

F. Cleaner's qualification statement.

G. Installer's qualification statement.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

B. Cleaner Qualifications: Company specializing in, and with minimum of 3 years of experience in, the type of cleaning specified.

C. Installer Qualifications: Company specializing in performing work of the type specified and with minimum of ~~3 years~~ **5 years** of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Comply with manufacturers' instructions for storage, shelf life limitations, and handling of products.

B. Deliver polymer resin materials in original factory-sealed containers with manufacturer's labels intact and legible. Verify product nomenclature, manufacturer's name, product identification, batch number, date of manufacture, and shelf life or expiration date. Do not use polymer resin materials that have exceeded shelf life.

C. Store materials in covered, well-ventilated area and according to manufacturer's written storage instructions. Store polymer resins and hardeners separate from construction materials that can absorb odors.

PART 2 PRODUCTS

2.01 CLEANING MATERIALS

A. Degreaser:
  1. Manufacturers:
    a. Euclid Chemical Company; Euco Clean and Strip: www.euclidchemical.com/#sle.
    b. LATICRETE International, Inc; CITREX: www.laticrete.com/#sle.
    c. Nox-Crete, Inc; Bio-Clean Plus: www.nox-crete.com/#sle.
    d. SpecChem, LLC; Orange Peel-Citrus Cleaner: www.specchemllc.com/#sle.
    e. United Gilsonite Laboratories; DRYLOCK Concrete Cleaner and Degreaser: www.ugl.com.
    f. Substitutions: See Section 01 60 00 - Product Requirements.

B. Detergent: Non-ionic detergent.

C. Alkaline Cleaning Agent:

D. Acidic Cleaning Agent:
  1. Manufacturers:
    a. United Gilsonite Laboratories; DRYLOK® Concrete and Masonry Etch and Cleaner: www.ugl.com/#sle.
    b. Substitutions: See Section 01 60 00 - Product Requirements.

E. Strippers and Cleaners for Removal of Existing Coatings:
  1. Manufacturers:
    a. Nox-Crete, Inc; Deco-Strip Series: www.nox-crete.com.
    b. Nox-Crete, Inc; Deco-Peel Series: www.nox-crete.com.
    c. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 CEMENTITIOUS PATCHING AND REPAIR MATERIALS

A. Manufacturers:
  1. Adhesives Technology Corporation: www.atcepoxy.com/#sle.
  2. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
  3. Dayton Superior Corporation: www.daytonsuperior.com/#sle.
  4. Euclid Chemical Company: www.euclidchemical.com/#sle.
  5. Master Builders Solutions: www.master-builders-solutions.com/en-us/#sle.
  6. The QUIKRETE Companies: www.quikrete.com/#sle.
  7. SpecChem, LLC: www.specchemllc.com/#sle.
  8. W. R. Meadows, Inc: www.wrmeadows.com/#sle.
  9. Substitutions: See Section 01 60 00 - Product Requirements.

B. Bonding Slurry: Water-based latex admixture; comply with ASTM C1059/C1059M, combined with Portland cement and sand in accordance with admixture manufacturer's instructions.
  1. Admixture Manufacturers:
    a. Dayton Superior Corporation: www.daytonsuperior.com/#sle.

b. Euclid Chemical Company; AKKRO-7T: www.euclidchemical.com/#sle.
c. SpecChem, LLC; Strong Bond - Acrylic Bonder: www.specchemllc.com/#sle.
d. W. R. Meadows, Inc; Acry-lok: www.wrmeadows.com/#sle.
e. Substitutions: See Section 01 60 00 - Product Requirements.

C. Cementitious Resurfacing Mortar: One- or two-component, factory-mixed, polymer-modified cementitious mortar designed for continuous thin-coat application.
1. In-place material resistant to freeze/thaw conditions.
2. Mixed with water or latex type bonding agent in proportions as recommended by manufacturer.
3. Integral corrosion inhibitor.
4. Color: Gray.
5. Manufacturers:
a. ARDEX Engineered Cements; ARDEX Feather Finish: www.ardexamericas.com/#sle.
b. Euclid Chemical Company; THIN TOP SUPREME: www.euclidchemical.com/#sle.
c. Master Builders Solutions; MasterEmaco T 1061: www.master-builders-solutions.com/en-us/#sle.
d. SpecChem, LLC: Duo Patch: www.specchemllc.com/#sle.
e. SpecChem, LLC: RevCrete: www.specchemllc.com/#sle.
f. SpecChem, LLC: Final Finish: www.specchemllc.com/#sle.
g. W. R. Meadows, Inc; Meadow-Patch T2: www.wrmeadows.com/#sle.
h. W. R. Meadows, Inc; Parge-All AF: www.wrmeadows.com/#sle.
i. Substitutions: See Section 01 60 00 - Product Requirements.

D. Exterior Cementitious Repair Mortar, Trowel Grade: One- or two-component, factory-mixed, polymer-modified cementitious mortar.
1. In-place material resistant to freezing conditions.
2. Mixed with water or latex type bonding agent in proportions as recommended by manufacturer.
3. Dry Material: Complies with ASTM C928/C928M.
4. Integral corrosion inhibitor.
5. Manufacturers:
a. ARDEX Engineered Cements; ARDEX Feather Finish: www.ardexamericas.com/#sle.
b. Euclid Chemical Company; EXPRESS REPAIR: www.euclidchemical.com/#sle.
c. Master Builders Solutions; MasterEmaco T 1060: www.master-builders-solutions.com/en-us/#sle.
d. SpecChem, LLC; OverCrete: www.specchemllc.com/#sle.
e. SpecChem, LLC; RepCon V/O: www.specchemllc.com/#sle.
f. SpecChem, LLC; SpecPatch: www.specchemllc.com/#sle.
g. SpecChem, LLC; Duo Patch: www.specchemllc.com/#sle.
h. W. R. Meadows, Inc; Meadow-Patch T1, Meadow-Patch T2, Meadow-Patch 5, or Meadow-Patch 20: www.wrmeadows.com/#sle.
i. W. R. Meadows, Inc; Meadow-Crete GPS: www.wrmeadows.com/#sle.
j. Substitutions: See Section 01 60 00 - Product Requirements.

E. Exterior Cementitious Repair Mortar, Form and Pour/Pump Grade: Flowable, one- or two-component, factory-mixed, polymer-modified cementitious mortar; in-place material resistant to freezing conditions.
1. Mixed with water in proportions as recommended by manufacturer.
2. Integral corrosion inhibitor.
3. Manufacturers:

a. Master Builders Solutions; MasterEmaco S 440: www.master-builders-solutions.com/en-us/#sle.
b. SpecChem, LLC; RepCon H-350; www.specchemllc.com/#sle.
c. W. R. Meadows, Inc; Meadow-Crete FNP: www.wrmeadows.com/#sle.
d. Substitutions: See Section 01 60 00 - Product Requirements.

F. Exterior Self-Leveling Concrete Topping: Portland cement-based; suitable as wear surface topping in exterior and wet locations as well as underlayment for applied materials.
1. Compressive Strength: 4300 pounds per square inch, minimum, at 28 days, when tested in accordance with ASTM C109/C109M, air cured.
2. Flexural Strength: 1000 pounds per square inch, minimum, at 28 days, when tested in accordance with ASTM C348.
3. **Finishing: Trowel finish to achieve slope indicated on drawings.**
4. Manufacturers:
a. ARDEX Engineered Cements; ARDEX K301: www.ardexamericas.com/#sle.
b. Substitutions: See Section 01 60 00 - Product Requirements.
5. **Accessories:**
a. **Crack and Joint Repair: Low viscosity rigid polyurethane crack and joint repair.**
1) **Product: ARDEX Engineered Cements; ARDIFIX: www.ardexamericas.com.**
b. **Moisture Control System/Primer: One-coat, epoxy moisture control system for concrete.**
1) **Product: ARDEX Engineered Cements; ARDEX MC RAPID: www.ardexamericas.com.**
c. **Self-leveling pins: Depth pins for mapping elevation requirements.**
1) **Product: ARDEX Engineered Cements; ARDIPEG: www.ardexamericas.com.**
d. **Concrete Dressing for Concrete Resurfacing.**
1) **Product: ARDEX Engineered Cements; ARDEX CD: www.ardexamericas.com.**
e. **Concrete Guard Sealer: High-performance, high solids, water-borne.**
1) **Product: ARDEX Engineered Cements; ARDEX CG Concrete Guard: www.ardexamericas.com.**

G. Pre-Blended Concrete Mix for Small Projects: Construction-grade Portland cement uniformly blended with aggregates and other approved concrete ingredients, requiring only the addition of water.
1. Compressive Strength: 5000 pounds per square inch, minimum, at 28 days, when tested in accordance with ASTM C39/C39M.

2.03 EPOXY PATCHING AND REPAIR MATERIALS

A. Manufacturers:
1. Euclid Chemical Company: www.euclidchemical.com/#sle.
2. SpecChem, LLC: www.specchemllc.com/#sle.
3. W. R. Meadows, Inc: www.wrmeadows.com/#sle.
4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Epoxy Repair Mortar: Epoxy resin mixed with aggregate and other materials in accordance with manufacturer's instructions for purpose intended; comply with pot life and workability limits.
1. Manufacturers:
a. ARDEX Engineered Cements; ARDEX BACA: www.ardexamericas.com/#sle.
b. Euclid Chemical Company; DURALFLEX FASTPATCH: www.euclidchemical.com/#sle.
c. Rust-Oleum Corporation; TurboKrete Concrete Patching Compound: www.rustoleum.com/#sle.

d. SpecChem, LLC; SpecPoxy 1000, SpecPoxy 2000, SpecPoxy 3000 or SpecPoxy 3000 FS: www.specchemllc.com/#sle.
e. W. R. Meadows, Inc; Rezi-Weld Gel Paste, Rezi-Weld Gel Paste State, Rezi-Weld 1000, Rezi-Weld LV, or Rezi-Weld LV State: www.wrmeadows.com/#sle.
f. Substitutions: See Section 01 60 00 - Product Requirements.

C. Epoxy Injection Adhesive:
1. Manufacturers:
a. Dayton Superior Corporation; Sure Inject J56: www.daytonsuperior.com/#sle.
b. Euclid Chemical Company; DURAL FAST SET LV: www.euclidchemical.com/#sle.
c. Kaufman Products Inc; SurePoxy HM, SurePoxy HMLV, SurePoxy HMLV Class B, or SurePoxy HMSLV: www.kaufmanproducts.net/#sle.
d. SpecChem, LLC; SpecPoxy 1000; www.specchemllc.com/#sle.
e. W. R. Meadows, Inc; Rezi-Weld LV, Rezi-Weld LV State, Rezi-Weld (IP), or Rezi-Weld Gel Paste: www.wrmeadows.com/#sle.
f. Substitutions: See Section 01 60 00 - Product Requirements.

D. Epoxy Bonding Adhesive: Non-sag, two-component, 100 percent solids; recommended by manufacturer for purpose and conditions under which used.
1. Non-Load-Bearing Applications: ASTM C881/C881M, Type I, II, III, IV, or V, whichever is appropriate to application.
2. Load-Bearing Applications: ASTM C881/C881M, Type IV or V, whichever is appropriate to application.
3. Other Applications: ASTM C881/C881M, Type as appropriate to application.
4. Manufacturers:
a. ARDEX Engineered Cements; ARDEX BACA: www.ardexamericas.com/#sle.
b. Adhesives Technology Corporation; Crackbond LR-321: www.atcepoxy.com.
c. Dayton Superior Corporation; Sure Bond J58: www.daytonsuperior.com/#sle.
d. Euclid Chemical Company; DURAL FAST SET LV: www.euclidchemical.com/#sle.
e. Kaufman Products Inc; SurePoxy HM Gel: www.kaufmanproducts.net/#sle.
f. SpecChem, LLC; SpecPoxy 2000: www.specchemllc.com/#sle.
g. W. R. Meadows, Inc; Rezi-Weld Gel Paste: www.wrmeadows.com/#sle.
h. Substitutions: See Section 01 60 00 - Product Requirements.

2.04 ACCESSORIES

A. Anchoring Adhesive: Self-leveling or non-sag as applicable.
1. Self-Leveling Polyester-Based Products:
a. W. R. Meadows, Inc; Poly-Grip: www.wrmeadows.com/#sle.
b. Substitutions: See Section 01 60 00 - Product Requirements.
2. Self-Leveling Epoxy Products:
a. Euclid Chemical Company; DURAL FAST SET LV: www.euclidchemical.com/#sle.
b. SpecChem, LLC; SpecPoxy 2000; www.specchemllc.com/#sle.
c. W. R. Meadows, Inc; Rezi-Weld 1000, Rezi-Weld (IP) or Rezi-Weld 3/2: www.wrmeadows.com.
d. Substitutions: See Section 01 60 00 - Product Requirements.

B. Portland Cement: ASTM C150/C150M, Type II, grey.

C. Sand: ASTM C33/C33M or ASTM C404; uniformly graded, clean.

D. Water: Clean and potable.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work.

B. Beginning of installation means acceptance of substrate.

3.02 PREPARATION

A. Prepare concrete surfaces to be repaired according to ICRI 310.2R.

3.03 CLEANING EXISTING CONCRETE

A. Provide enclosures, barricades, and other temporary construction as required to protect adjacent work from damage.

B. Clean concrete surfaces of dirt or other contamination using the gentlest method that is effective.
   1. Try the gentlest method first, then, if not clean enough, use a less gentle method taking care to watch for impending damage.
   2. Clean out cracks and voids using same methods.

C. The following are acceptable cleaning methods, in order from gentlest to less gentle:
   1. Water washing using low-pressure, maximum of 100 psi, and, if necessary, brushes with natural or synthetic bristles.
   2. Increasing the water washing pressure to maximum of 400 psi.
   3. Adding detergent to washing water; with final water rinse to remove residual detergent.
   4. Steam-generated low-pressure hot-water washing.
   5. Alkaline cleaning agent applied for the least amount of time that is effective, followed by slight acid rinse and water rinse.
   6. Acidic cleaning agent applied for the least amount of time that is effective, followed by water rinse. Test acidic cleaning agents on mock-up surfaces prior to use.
   7. Abrasive blasting: Use only abrasive media that have been proven not to damage concrete by testing on mock-up.

D. Do not use any of the following cleaning methods, unless otherwise indicated:
   1. Brushes with wire bristles, grinding with abrasives, solvents, hydrochloric or muriatic acid, sodium hydroxide, caustic soda, or lye.
   2. Soap or detergent that is not non-ionic.

3.04 CONCRETE STRUCTURAL MEMBER REPAIR

A. See drawings for specific areas to be repaired.

B. Remove broken and soft concrete at least 1/4 inch deep.

C. Mechanically cut away damaged portions of reinforcement.

D. Remove corrosion from steel and clean mechanically.

E. Follow repair product manufacturer's written installation instructions.

F. Cover exposed steel reinforcement with epoxy mortar.

G. Work epoxy mortar into broken surface and build up patch to match original.

H. Feather edges of repairs flush to sound surface and trowel surface to match surrounding area.

3.05 CRACK REPAIR USING EPOXY ADHESIVE INJECTION

A. Repair exposed cracks.

B. Follow epoxy adhesive manufacturer's written installation instructions.

C. Provide temporary entry ports spaced to accomplish movement of fluids between ports; no deeper than the depth of the crack to be filled or port size diameter no greater than the thickness of the crack. Provide temporary seal at concrete surface to prevent leakage of adhesive.

D. Inject adhesive into ports under pressure using equipment appropriate for particular application.

E. Begin injection at lower entry port and continue until adhesive appears in adjacent entry port. Continue from port to port until entire crack is filled.

F. Remove temporary seal and excess adhesive.

G. Clean surfaces adjacent to repair and blend finish.

3.06 CONCRETE SURFACE REPAIR USING CEMENTITIOUS MATERIALS

A. Clean concrete surfaces, cracks, and joints of dirt, laitance, corrosion, and other contamination using method(s) specified above and allow to dry.

B. Follow bonding agent and repair mortar manufacturer's written installation instructions.

C. Apply coating of bonding agent to entire concrete surface to be repaired.

D. Fill voids with cementitious mortar flush with surface.

E. Apply repair mortar by steel trowel to a minimum thickness of 1/4 inch over entire surface, terminating at a vertical change in plane on all sides.

F. Trowel finish to match adjacent concrete surfaces.

G. Damp cure for four days.

END OF SECTION

SECTION 03 35 11
CONCRETE FLOOR FINISHES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. **Clear coatings.**

B. Concrete sealers.

1.02 ADMINISTRATIVE REQUIREMENTS

A. Pre-Installation Conference: Conduct conference at the Project Site to verify project requirements, finishing techniques, protection requirements, and warranty requirements. Attendees to include Owner, Architect, Contractor, and concrete floor finish applicator.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.

C. Manufacturer's Instructions: Indicate manufacturer's installation instructions for preparation of substrate, application of finishing products, and requirements for protection of finished surface.

D. Samples for Initial Selection: Provide manufacturer's color charts for selection.

E. Maintenance Data: Provide data on maintenance and renewal of applied finishes.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing work of type specified and with at least 3 years of documented experience.

1.05 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Company specializing in manufacturing the products specified in this section with a minimum of five years of documented experience.

B. Installer Qualifications: Company specializing in performing the work of this section with at least three years of documented experience installing projects of similar scope and size.
   1. Company to be certified as an approved installer by manufacturer, with current certificate.

1.06 MOCK-UPS

A. Construct an in-place mock-up for concrete sealer application, 10 feet square, minimum. Mock-up to include both pre-coated existing concrete and new cementitious topping slab areas.

B. Locate where directed by Architect.
   1. Notify Architect and Owner Representative seven days in advance of date and time when mock-up will be constructed.
   2. Obtain approval of mock-up from Architect and Owner Representative prior to proceeding with work.
   3. If Architect and Owner determine that mock-up does not meet the requirements re-install mock-up in alternate approved location for approval, using same procedure outlined above.

C. Approved mock-ups are to be maintained in an undisturbed condition as a standard for judging the completed work.

D. Approved mock-up may remain as part of the work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's sealed packaging, including application instructions.

1.08 FIELD CONDITIONS

A. Maintain ambient temperature of 50 degrees F minimum or as specified in the manufacturer's written instructions.

PART 2 PRODUCTS

2.01 APPLICATIONS

A. **Clear Coating:**
   1. **Use at interior concrete slab at Ticket Booth 035.**

B. Solid-Color Sealer:
   1. Use at exterior concrete walkways where indicated on grand stand plans.

2.02 COATINGS

A. **Clear Coating: Transparent, nonyellowing, acrylic-polymer-based coating.**
   1. **Nonvolatile Content: 15 percent, minimum, when measured by volume.**
   2. **Products:**
      a. **Dayton Superior Corporation; Ultra Seal EF: www.daytonsuperior.com/#sle.**
      b. **PROSOCO, Inc; LSGuard: www.prosoco.com/consolideck/#sle.**
      c. **SpecChem, LLC; SpecGuard: www.specchemllc.com/#sle.**
      d. **W. R. Meadows, Inc; Decra-Seal W/B: www.wrmeadows.com/#sle.**
      e. **Substitutions: See Section 01 60 00 - Product Requirements.**

B. Solid Color Concrete Sealer: Tintable solvent-based coating.
   1. Apply two coats.
   2. Colors: Gray and white; final colors as selected by Architect from manufacturer's standard colors.
   3. Product: Sherwin Williams; H&C Colortop Solvent-based Solid Color Concrete Sealer: www.hcconcrete.com.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that floor surfaces are acceptable to receive the work of this section.

B. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

3.02 GENERAL

A. Apply materials in accordance with manufacturer's instructions.

3.03 COATING PREPARATION AND APPLICATION

A. Verify that surface is free of previous coatings, sealers, curing compounds, water repellents, laitance, efflorescence, fats, oils, grease, wax, soluble salts, residues from cleaning agents, and other impediments to adhesion.

B. Clean area in accordance with manufacturer's instructions using recommended products.

C. Protect adjacent non-coated areas from drips, overflow, and overspray; immediately remove excess material.

D. Apply coatings in accordance with manufacturer's instructions, matching approved mock-ups for color, sealing and workmanship.

3.04 PROTECTION

A. Protect installed coatings from subsequent construction operations.

END OF SECTION

SECTION 05 12 00
STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Structural steel framing members.

B. Base plates, shear stud connectors and expansion joint plates.

C. Grouting under base plates.

1.02 REFERENCE STANDARDS

A. AISC (MAN) - Steel Construction Manual; 2023.

B. AISC 303 - Code of Standard Practice for Steel Buildings and Bridges; 2022.

C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

D. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2022.

E. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

F. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.

G. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.

H. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2023.

I. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing; 2021.

J. ASTM A529/A529M - Standard Specification for High-Strength Carbon-Manganese Steel of Structural Quality; 2019.

K. ASTM A563/A563M - Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric); 2021a.

L. ASTM A992/A992M - Standard Specification for Structural Steel Shapes; 2022.

M. ASTM F436/F436M - Standard Specification for Hardened Steel Washers Inch and Metric Dimensions; 2019.

N. ASTM F959/F959M - Standard Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners, Inch and Metric Series; 2017a.

O. ASTM F1554 - Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength; 2020.

P. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength; 2023.

Q. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2020.

R. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification; 2021, with Errata (2023).

S. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2023).

T. RCSC (HSBOLT) - Specification for Structural Joints Using High-Strength Bolts; Research Council on Structural Connections; 2020.

U. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).

1.03 ADMINISTRATIVE REQUIREMENTS

A. The Drawings are dimensioned for general layout and are not necessarily dimensioned per AISC Standards and the AISC code for standard practice. It is the responsibility of the Contractor to provide Shop Drawings with detail dimensions as required to fabricate and erect steel components.

B. See Structural Drawings for additional requirements.

C. In the event of conflicting requirements between Structural Notes and the requirements in this Specification, the most stringent requirements apply.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Complete details and schedules for fabrication and shop assembly of members.
   1. Indicate profiles, sizes, spacing, locations of structural members, openings, attachments, and fasteners.
   2. Connections not detailed.
   3. Indicate cambers and loads.
   4. Indicate welded connections with AWS A2.4 welding symbols. Indicate net weld lengths.
   5. The dimensions shown in the Drawings are for general layout only and are not necessarily in accordance with AISC Standards and the AISC code for standard practice. It is the responsibility of the Contractor to coordinate between the Architectural and Structural drawings to product the Shop Drawings.

C. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.

1.05 QUALITY ASSURANCE

A. Fabricate structural steel members in accordance with AISC (MAN) "Steel Construction Manual."

B. Structural steel members designated as architecturally-exposed structural steel (AESS) to also comply with Section 05 12 13.

C. Fabricator: Company specializing in performing the work of this section with minimum five years of documented experience.

D. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and no more than 12 months before start of scheduled welding work.

E. ~~Fabricator Qualifications:~~
   1. ~~A qualified steel fabricator that participates in the AISC Quality Certification Program and is designated as an AISC-Certified Plant, Category STD.~~

F. Erector: Company specializing in performing the work of this section with minimum five years of documented experience.

G. Erector Qualifications: A qualified erector that participates in the AISC Supplemental Program Requirements for Structural Steel Erectors.

H. Design connections not detailed on drawings under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State in which the Project is located.

PART 2 PRODUCTS

2.01 MATERIALS

A. Steel Angles, Plates, Channels, S Shapes, and M Shapes: ASTM A36/A36M.

B. Steel W Shapes and Tees: ASTM A992/A992M.

C. Steel Shapes, Plates, and Bars: ASTM A529/A529M high-strength, carbon-manganese structural steel, Grade 50.

D. Cold-Formed Structural Tubing: ASTM A500/A500M, Grade B.

E. Hot-Formed Structural Tubing: ASTM A501/A501M, seamless or welded.

F. Pipe: ASTM A53/A53M, Grade B, Finish black and galvanized, as indicated.

G. Structural Bolts and Nuts: Carbon steel, ASTM A307, Grade A.

H. High-Strength Structural Bolts, Nuts, and Washers: ASTM F3125/F3125M, Type 1, medium carbon plain or galvanized as noted, with matching compatible ASTM A563/A563M nuts and ASTM F436/F436M washers.

I. Unheaded Anchor Rods: ASTM F1554, Grade 36, plain, with matching ASTM A563/A563M nuts and ASTM F436/F436M Type 1 washers.

J. Headed Anchor Rods: ASTM F1554 Grade 36, plain.

K. Load Indicator Washers: Provide washers complying with ASTM F959/F959M at connections requiring high-strength bolts.

L. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

M. Grout: ASTM C1107/C1107M; Non-shrink; premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.
   1. Minimum Compressive Strength at 48 Hours: 2,000 pounds per square inch.
   2. Minimum Compressive Strength at 28 Days: 7,000 pounds per square inch.

N. Shop and Touch-Up Primer: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

O. Touch-Up Primer for Galvanized Surfaces: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

A. Shop fabricate to greatest extent possible and in as large of sections as possible to minimize field splicing and assembly of units. Disassemble units only as required for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

B. Splice members only where indicated and approved on the Shop Drawings.

C. All copes, miters, and butt cuts in surfaces that will remain exposed to view are to be made with uniform gaps of 1/2 inch if shown as an open joint in the Drawings, or in uniform contact if shown in the Drawings without a gap.

D. Continuously seal joined members by continuous welds.

E. Where fillet welds are exposed and 1/2 inch or larger, grind welds smooth.

F. Grind butt and plug welds flush; dress all exposed welds.

G. Fabricate connections for bolt, nut, and washer connectors.

2.03 FINISH

A. Prepare structural component surfaces in accordance with SSPC-SP 1 and SSPC-SP 2.

B. Shop prime structural steel members. Do not prime surfaces that will be fireproofed, field welded, in contact with concrete, or high strength bolted.
   1. After inspection and approval and before leaving the shop, clean steel work by hand wire brushing or by other means elected by the fabricator, of loose mill scale, loose rust, weld slag or flux deposit, dirt and other foreign matter. Remove oil and grease deposits with solvent.

2. Prepare steel members exposed to view and painted by filling holes, sanding, etc, to produce a smooth uniform surface.
3. After cleaning, apply one coat of shop prime paint thoroughly and evenly to dry surfaces by brush, spray, roller coating, flow coating, or dipping, at the election of the fabricator.
4. Surfaces within 2 inches of any field weld, high strength bolts, or welded studs to be free of materials that would prevent proper attachment or produce objectionable fumes while welding is being done. if shop painted, wire brush surfaces to be welded in the field before welding to reduce the paint film to a minimum.

C. Galvanize steel products that will be exposed to exterior. Galvanize after fabrication.
1. Galvanize structural steel members to comply with ASTM A123/A123M.
2. Galvanize structural steel hardware to comply with ASTM A153/A153M.
3. See Structural Notes for additional requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that conditions are appropriate for erection of structural steel and that the work may properly proceed.

3.02 ERECTION

A. Erect structural steel in compliance with AISC 303.

B. Allow for erection loads and provide sufficient temporary bracing to maintain structure in safe condition, plumb, and in true alignment until completion of erection and installation of permanent bracing.

C. Field weld components and shear studs indicated on shop drawings.

D. Use carbon steel bolts only for temporary bracing during construction, unless otherwise specifically permitted on drawings. Install high-strength bolts in accordance with RCSC (HSBOLT) "Specification for Structural Joints Using High-Strength Bolts".

E. Do not field cut or alter structural members without approval of Architect.
1. Do not use gas-cutting torches for correcting fabrication errors in the structural framing. Cutting will be permitted only on secondary members which are not under stress, as approved by the Architect. When gas cutting is permitted, finish the sections equal to a sheared appearance.

F. After erection, prime welds, abrasions, and surfaces not shop primed, except surfaces to be in contact with concrete.

3.03 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.

B. Maximum Offset From True Alignment: 1/4 inch.

3.04 FIELD QUALITY CONTROL

A. An independent testing agency will perform field quality control tests, as specified in Section 01 40 00 - Quality Requirements.

B. See Structural Drawings for required testing and inspection for high-strength bolts and welded connections.

END OF SECTION

SECTION 08 33 13
COILING COUNTER DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Non-fire-rated coiling counter doors and operating hardware.

B. Electric motor operation; wiring from electric circuit disconnect to operator to control station.

1.02 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.

D. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

E. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

F. ITS (DIR) - Directory of Listed Products; Current Edition.

G. NEMA MG 1 - Motors and Generators; 2021.

H. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Submit manufacturer's standard literature showing materials and details of construction and finish. Include data on electrical operation.

C. Shop Drawings: Indicate rough and actual opening dimensions, anchorage methods, hardware locations, and installation details.

D. Manufacturer's Installation Instructions: Indicate installation sequence and installation, adjustment, and alignment procedures.

E. Operation and Maintenance Data: Indicate modes of operation, lubrication requirements and frequency, and periodic adjustments required.

F. Project Record Documents: Include as-built electrical diagrams for electrical operation and connection to fire alarm system.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Coiling Counter Doors:
   1. Cornell Iron Works, Inc: www.cornelliron.com.
   2. Overhead Door Corporation: www.overheaddoor.com/#sle.
   3. The Cookson Company, Inc: www.cooksondoor.com.
   4. Wayne-Dalton, a Division of Overhead Door Corporation: www.wayne-dalton.com/#sle.
   5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 COILING COUNTER DOORS

A. Coiling Counter Metal Doors, Non-Fire-Rated: ~~Stainless~~ **Galvanized** steel slat curtain.
   1. Basis-of-Design Product: Cornell Iron Works, Inc; ESC20: www.cornellironworks.com.
   2. Opening Sizes: As indicated in the drawings.
   3. Mounting: Interior face mounted.

4. Nominal Slat Size: 1-1/4" to 2-1/2" wide.
5. Slat Profile: Flat.
6. Finish, Galvanized Steel: Factory powder coated.
7. Guides: Formed track; same material and finish unless otherwise indicated.
8. Hood Enclosure: Manufacturer's standard; finished to match curtain.
9. Manual hand chain lift operation and electric operation; see drawings for locations.

2.03 COMPONENTS

A. Metal Curtain Construction: Interlocking, single-thickness slats.
  1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
  2. Curtain Bottom: Fitted with angles to provide reinforcement and positive contact in closed position.
  3. Steel Slats: ASTM A653/A653M galvanized steel sheet, with minimum G90/Z275 coating; minimum thickness 16 gauge, 0.06 inch.

B. Guide Construction: Continuous, of profile to retain door in place, with mounting brackets of same metal.
  1. Guides for Galvanized Curtains: ASTM A36/A36M steel angles, size as indicated, hot-dip galvanized per ASTM A123/A123M.

C. Hood Enclosure: Internally reinforced to maintain rigidity and shape.

D. Lock Hardware:
  1. Cylindrical Locking Mechanism: Latchset lock cylinder, specified in Section 08 71 00.

E. Roller Shaft Counterbalance: Steel pipe and torsion steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb nominal force to operate.

2.04 ELECTRIC OPERATION

A. Operator, Controls, Actuators, and Safeties: Listed and classified by ITS (DIR), UL (DIR), or testing agency acceptable to authorities having jurisdiction (AHJ) as suitable for purpose specified and indicated.
  1. Provide interlock switches on motor operated units.

B. Electric Operators:
  1. Mounting: Side mounted.
  2. Motor Enclosure: NEMA MG 1.
  3. Motor Rating: As recommended by manufacturer; continuous duty.
  4. Motor Voltage: 110-120 VAC, single phase, 60 Hz.
  5. Opening Speed: 6 inches per second.
  6. Manual override in case of power failure.

C. Control Station: Standard three button (OPEN-STOP-CLOSE) momentary control for each electrical operator.
  1. Controls: 24 VAC circuit.
  2. Surface mounted.

D. Safety Edge: Located at bottom of curtain, full width, electro-mechanical sensitized type, with internal wireless transmitter signaling controller to stop and reverse door direction upon striking object.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that adjacent construction is suitable for door installation.

B. Verify that door opening is plumb, header is level, and dimensions are correct.

C. Notify Architect of any unacceptable conditions or varying dimensions.

D. Commencement of installation indicates acceptance of substrate and door opening conditions.

3.02 INSTALLATION

A. Install units 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 electrical service with Section 26 05 83.

F. Complete wiring from disconnect to unit components.

3.03 TOLERANCES

A. Maintain dimensional tolerances and alignment with adjacent work.

B. Maximum Variation From Plumb: 1/16 inch.

C. Maximum Variation From Level: 1/16 inch.

D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft straight edge.

3.04 ADJUSTING

A. Adjust operating assemblies for smooth and noiseless operation.

3.05 CLEANING

A. Clean installed components.

B. Remove labels and visible markings.

END OF SECTION

SECTION 09 67 00
FLUID-APPLIED FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fluid-applied flooring.

1.02 REFERENCE STANDARDS

A. ICRI 310.2R - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair; 2013.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.

C. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and application rate for each coat.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

1.05 FIELD CONDITIONS

A. Maintain ambient temperature required by manufacturer 72 hours prior to, during, and 24 hours after installation of materials.

PART 2 PRODUCTS

2.01 FLUID-APPLIED FLOORING SYSTEMS

A. ~~Fluid-Applied Flooring, Type EF-1: Two-part epoxy, water-based, without aggregate.~~
   1. ~~System Thickness: 4-8 mils, nominal, dry film thickness (DFT).~~
   2. ~~Sheen: Satin.~~
   3. ~~Color: As indicated on drawings.~~
   4. ~~Products:~~
      a. ~~Sherwin-Williams Company; Armorseal 8100 Waterbased Epoxy: www.protective.sherwin-williams.com/#sle.~~
      b. ~~Substitutions: See Section 01 60 00 - Product Requirements.~~

B. **Fluid-Applied Flooring Type EF-1: Two -part epoxy flooring with urethane top-coat.**
   1. **Primer Coat: Neutral, two-component high solids epoxy; 3-5 mils.**
   2. **Build Coat: Neutral, two-component high solids epoxy; 7-13 mils.**
   3. **Topcoat: Three-component, high solids aliphatic urethane; 3 mils.**
   4. **Texture: Smooth.**
   5. **Sheen: Satin.**
   6. **Color: As selected by Architect.**
   7. **Products:**
      a. **Sherwin-Williams; Resuflor Performance HTS: www.sherwin-williams.com//#sle.**
      b. **Substitutions: See Section 01 60 00 - Product Requirements.**

2.02 ACCESSORIES

A. Subfloor Filler: Type recommended by fluid-applied flooring manufacturer.

B. Primer: Type recommended by fluid-applied flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive flooring.

B. Verify that vertical surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive flooring.

C. Verify that wood surfaces have 12 percent maximum moisture content.

3.02 PREPARATION

A. Prepare concrete surfaces according to ICRI 310.2R, CSP 3 **and manufacturer's instructions**.

B. Prepare wood base surfaces. Wipe off dust and grit prior to priming. Fill nail holes and cracks. Back prime concealed surfaces before installation.

C. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Grind irregularities above the surface level. Prohibit traffic until filler is cured.

D. Vacuum clean substrate.

E. Apply primer to surfaces required by flooring manufacturer.

3.03 INSTALLATION - FLOORING

A. Apply in accordance with manufacturer's instructions.

B. Apply each coat to minimum thickness required by manufacturer.

C. Finish to smooth level surface.

D. ~~Cove at~~ **Extend flooring vertically over new** wood bases at lockers.

E. **Extend flooring vertically up CMU walls, min. 8 inches or one full block.**

3.04 PROTECTION

A. Prohibit traffic on floor finish for 48 hours after installation.

B. Barricade area to protect flooring until fully cured.

END OF SECTION

SECTION 09 91 13
EXTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints.

C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
   1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
   2. Exposed surfaces of steel lintels and ledge angles.
   3. Mechanical and Electrical:
      a. On the roof and outdoors, paint equipment exposed to weather or to view, including factory-finished materials.

D. Do Not Paint or Finish the Following Items:
   1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
   5. Non-metallic roofing and flashing.
   6. Stainless steel, anodized aluminum, bronze, terne-coated stainless steel, zinc, and lead.
   7. Floors, unless specifically indicated.
   8. Ceramic and other types of tiles.
   9. Glass.
   10. Concealed pipes, ducts, and conduits.

1.02 DEFINITIONS

A. Comply with ASTM D16 for interpretation of terms used in this section.

1.03 REFERENCE STANDARDS

A. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2024.

B. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2023.

C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2020.

D. CARB (SCM) - Suggested Control Measure for Architectural Coatings; California Air Resources Board; 2020.

E. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition.

F. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).

G. SSPC-SP 2 - Hand Tool Cleaning; 2024.

H. SSPC-SP 6/NACE No.3 - Commercial Blast Cleaning; 2006.

I. SSPC-SP 13/NACE No.6 - Surface Preparation of Concrete; 2018.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
   2. MPI product number (e.g. MPI #47).
   3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
   4. If proposal of substitutions is allowed under submittal procedures, explanation of substitutions proposed.

C. Samples: Submit two paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.
   2. Where sheen is not specified, discuss sheen options with Architect before preparing samples, to eliminate sheens not required.

D. Certification: By manufacturer that paints and finishes comply with VOC limits specified and requirements of Contract Documents and are compatible with applicable substrates and with specified primers and top coats.

E. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used and color samples of each color and finish used.

F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Paint and Finish Materials: 1 gallon of each color; from the same product run, store where directed.
   3. Provide in new, unopened containers, clearly labeled with color name and formula in addition to the manufacturer's label.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum five years documented experience.

B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum five years experience and approved by manufacturer.
   1. Contractor to maintain a qualified crew of painters throughout the duration of the Work. Maintain at least one qualified journeyperson at all times during execution of the work of this section and to direct all work performed under this section. Journeyperson to be thoroughly familiar with the specified requirements and the materials and methods needed for their execution.
   2. All materials preparation and workmanship to conform to requirements of the latest edition of the Architectural Painting Specification Manual by the Master Painters Institute (hereafter referred to as the MPI Painting Manual) as issued by the MPI Accredited Quality Assurance Association having jurisdiction.

1.06 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 paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the paint product manufacturer's temperature ranges.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

D. Minimum Application Temperatures for Latex Paints: 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes from the same manufacturer to the greatest extent possible.

B. Paints:
   1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.
   2. Miller Paint Company: www.millerpaint.com.
   3. Rodda Paint Company: www.roddapaint.com.

C. Primer Sealers: Same manufacturer as top coats.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready-mixed, unless required to be a field-catalyzed paint.
   1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
   3. Supply each paint material in quantity required to complete entire project's work from a single production run.
   4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is described explicitly in manufacturer's product instructions.

B. Volatile Organic Compound (VOC) Content: Comply with Section 01 61 16.

C. Flammability: Comply with applicable code for surface burning characteristics.

D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

E. Colors: As indicated in Color Schedule.
   1. Extend colors to surface edges; colors may change at any edge as directed by Architect.

2.03 PAINT SYSTEMS - EXTERIOR

A. Wood, Opaque, Latex, 3 Coat:
   1. Application: Existing stadium benches.
   2. One coat of latex primer sealer.
   3. Semi-gloss: Two coats of latex enamel; Sherwin-Williams ArmorSeal Tread-Plex Acrylic Floor Coating.

B. New CMU/Concrete, Latex, 3 Coat:
   1. One coat of block filler; Sherwin-Williams Pro Industrial Heavy Duty Block Filler, B42W150.
   2. Two coats of latex enamel; Sherwin-Williams Super Paint Exterior, Satin.

C. Previously Coated CMU/Concrete, Vertical Surfaces, Latex, 2 Coat:
   1. Two coats of latex enamel; Sherwin-Williams Super Paint Exterior, Satin.

D. Concrete, Stadium Walking Surfaces:
   1. See Section 03 35 11 - Concrete Floor Finishes.

E. Ferrous Metals, Primed including Hollow Metal Doors/Frames, Latex, 2 Coat:
   1. Touch-up with rust-inhibitive primer recommended by top coat manufacturer.
   2. Two top coats: Exterior Latex/Acrylic:
      a. Products:
         1) Sherwin-Williams Water Based Alkyd Urethane, B53 Series, Semi-gloss.

F. Ferrous Metals, including Handrails, **Ornamental Fence and Gates,** 3 Coat:
   1. One coat galvanize primer:
      a. Sherwin-Williams Pro Industrial Pro-Cryl Primer.
   2. Two top coats: Exterior Waterbased Urethane:
      a. Sherwin-Williams Pro Industrial WB Acrolon 100, B65 Series, Gloss.

G. Exposed Steel, High Performance, including existing Metal Trusses, Cable Ties, and Downspouts:
   1. One prime coat: Sherwin-Williams Kem Kromic B50 Series.
   2. Two top coats: Sherwin-Williams Pro Industrial WB Acrolon 100, B65 Series at 1.8-3.6 mils DFT per coat; Gloss.

2.04 PRIMERS

A. Primers: Provide primers as listed in paint systems above, unless other primer is required or recommended by manufacturer of top coats for specific substrate.

2.05 ACCESSORY MATERIALS

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

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

C. Test shop-applied primer for compatibility with subsequent cover materials.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
   1. Exterior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

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

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete:
   1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
   2. Clean concrete according to ASTM D4258. Allow to dry.
   3. Prepare surface as recommended by top coat manufacturer and in accordance with SSPC-SP 13/NACE No.6.

G. Masonry:
   1. Remove efflorescence and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
   2. Prepare surface as recommended by top coat manufacturer.

H. Galvanized Surfaces:
   1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
   2. Prepare surface according to SSPC-SP 2.

I. Ferrous Metal:
   1. Solvent clean according to SSPC-SP 1.
   2. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning in accordance with SSPC-SP 6/NACE No.3. Protect from corrosion until coated.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

D. Apply each coat to uniform appearance.

E. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

F. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.

END OF SECTION

SECTION 09 91 23
INTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints.

C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
   1. Prime surfaces to receive wall coverings.
   2. Mechanical and Electrical:
      a. In finished areas, paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.

D. Do Not Paint or Finish the Following Items:
   1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
   5. Stainless steel, anodized aluminum, bronze, terne-coated stainless steel, and lead items.
   6. Floors, unless specifically indicated.
   7. Ceramic and other tiles.
   8. Glass.
   9. Acoustical materials, unless specifically indicated.
   10. Concealed pipes, ducts, and conduits.

1.02 DEFINITIONS

A. Comply with ASTM D16 for interpretation of terms used in this section.

1.03 REFERENCE STANDARDS

A. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2024.

B. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2023.

C. ASTM D4259 - Standard Practice for Preparation of Concrete by Abrasion Prior to Coating Application; 2018.

D. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2020.

E. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition.

F. SSPC-SP 2 - Hand Tool Cleaning; 2024.

G. SSPC-SP 13/NACE No.6 - Surface Preparation of Concrete; 2018.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").

2. MPI product number (e.g., MPI #47).
3. Cross-reference to specified paint system products to be used in project; include description of each system.
4. If proposal of substitutions is allowed under submittal procedures, explanation of substitutions proposed.

C. Samples: Submit two paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.

D. Certification: By manufacturer that paints and finishes comply with VOC limits specified.

E. Manufacturer's Instructions: Indicate special surface preparation procedures.

F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Paint and Finish Materials: 1 gal of each color; from the same product run, store where directed.
   3. Provide in new, unopened containers, clearly labeled with color name and formula in addition to the manufacturer's label.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum five years documented experience.

B. All materials preparation and workmanship to conform to requirements of the latest edition of the Architectural Painting Specification Manual by the Master Painters Institute (hereafter referred to as the MPI Painting Manual) as issued by the MPI Accredited Quality Assurance Association having jurisdiction

1.06 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 paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply materials when relative humidity exceeds 85 percent, at temperatures less than 5 degrees F above the dew point, or to damp or wet surfaces.

D. Minimum Application Temperatures for Paints: 50 degrees F for interiors unless required otherwise by manufacturer's instructions.

E. Provide lighting level of 80 fc measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes from the same manufacturer to the greatest extent possible.

B. Paints:
   1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.
   2. Benjamin Moore & Co.: www.benjaminmoore.com.

3. Cloverdale Paint, Brand Products of Rodda Paint Company: www.cloverdalepaint.com/#sle.
4. Miller Paint Company: www.millerpaint.com.
5. Rodda Paint Co: www.roddapaint.com/#sle.

C. Primer Sealers: Same manufacturer as top coats.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
3. Supply each paint material in quantity required to complete entire project's work from a single production run.
4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Volatile Organic Compound (VOC) Content: See Section 01 61 16.

C. Flammability: Comply with applicable code for surface burning characteristics.

D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

E. Colors: Interior Colors: See Section 09 06 02 - Interior Materials and Finishes Schedule.
1. Extend colors to surface edges; colors may change at any edge as directed by Architect.
2. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling under which they are mounted.

2.03 PAINT SYSTEMS - INTERIOR

A. Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including hollow metal doors and frames:
1. Two top coats and one coat primer.
2. Primer: Touch up existing shop primer.
3. Top Coat(s): Interior Alkyd; MPI #47, 48, 81, or 96.
   a. Products:
      1) Sherwin-Williams Pro Industrial Waterbased Alkyd Urethane**, semi-gloss**.

B. Wood Floors to be Painted (previously coated):
1. Application: Floors at Press Box.
2. Two top coats without primer.
3. Top Coat(s): Latex Floor Paint.
   a. Products:
      1) Sherwin-Williams ArmorSeal Tread-Plex Acrylic Floor Coating.
      2) Substitutions: See Section 01 60 00 - Product Requirements

C. Concrete Floors, Epoxy:
1. See Section 09 67 00 - Fluid-Applied Flooring.

D. Wood/Plywood, Opaque, 3 Coat:
1. One coat of latex primer sealer:
   a. Sherwin-Willilams Premium Wall and Wood Primer, B28W08111.
2. Semi-gloss: Two coats of alkyd enamel.
   a. Sherwin-Williams Pro Industrial Waterbased Alkyd Urethane.

E. Concrete/Masonry, Opaque, Epoxy, 2 Coat:

1. Application: Existing CMU and concrete surfaces (excluding floors).
2. ~~Semi-gloss~~**Eg-She~~l~~**: Two coats; Sherwin-Williams Water Based Catalyzed Epoxy, B73 Series.

F. Ferrous Metals, Unprimed, Alkyd, 3 Coat:
1. One coat of primer: Sherwin-Williams Pro Industrial Pro-Cryl Universal Acrylic Primer.
2. Semi-gloss: Two coats of alkyd enamel; Sherwin-Williams Pro Industrial Waterbased Alkyd Urethane.

G. Ferrous Metals, Primed, Alkyd, 2 Coat:
1. Touch-up with primer recommended by top coat manufacturer for specific substrate.
2. Semi-gloss: Two coats of alkyd enamel; Sherwin-Williams Pro Industrial Waterbased Alkyd Urethane.

2.04 PRIMERS

A. Primers: Provide primers as listed in paint systems above, unless other primer is required or recommended by manufacturer of top coats for specific substrate.

2.05 ACCESSORY MATERIALS

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

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

C. Test shop-applied primer for compatibility with subsequent cover materials.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
1. Concrete and Concrete Masonry Units: 12 percent.
2. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

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

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Concrete:
1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
2. Clean concrete according to ASTM D4258. Allow to dry.
3. Prepare surface as recommended by top coat manufacturer and in accordance with SSPC-SP 13/NACE No.6.

F. Masonry:
1. Remove efflorescence and chalk. Do not coat surfaces if moisture content, alkalinity of surfaces, or if alkalinity of mortar joints exceed that permitted in manufacturer's written

instructions. Allow to dry.

2. Prepare surface as recommended by top coat manufacturer.

G. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.

H. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

D. Apply each coat to uniform appearance in thicknesses specified by manufacturer.

E. Sand wood and metal surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

END OF SECTION

SECTION 10 83 00
FLAGS AND BANNERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Flags and banners

B. Mounting brackets.

1.02 REFERENCE STANDARDS

A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's product literature for each type of banner and bracket, indicating style, font, colors, locations, and overall dimensions of each sign.

C. Shop Drawings:
1. Include dimensions, locations, elevations, materials, text and graphic layout, and attachment details.
2. Provide calculations for anchorage of each flag/banner with each bracket type as required. **<u>Calculations to be stamped/sealed by design engineer.</u>**

D. Samples: Submit one sample of each type of banner and banner bracket of size similar to that required for project, indicating fabric, graphics, finishes, and method of attachment.

E. Selection Samples: Where materials, colors, and finishes are not specified, submit two sets of selection charts or physical samples.

F. Manufacturer's Installation Instructions: Include installation templates and attachment devices where applicable.

1.04 QUALITY ASSURANCE

A. **<u>Designer Qualifications: Mounting brackets and all connections are to be designed under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the project is located.</u>**

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

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Banner Brackets:
1. KBW BannerFlex by Consort: www.bannerflex.com.
2. Metal Craft Industries: www.metalcraftindustries.net.
3. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 BANNER BRACKETS

A. Banners:
1. Material: 18 oz vinyl.
2. Graphics: Custom graphics, printed on both sides.
3. Pole Pockets: 3; top, bottom and center.
4. Size and Configuration: As indicated on drawings.

B. Banner Brackets: Aluminum brackets designed for installation of large format banners of sizes indicated.
1. Finish: Bright aluminum or black powder coat.

2. Mounting: Wall mount, exposed fasteners.
3. Products: Basis of Design: KBW BannerFlex by Consort; D3 Banner Bracket with RoundPro Arm: www.bannerflex.com.

2.03 ACCESSORIES

A. Wall Mount Plate: Steel plate for spreading wind load over a larger surface.
   1. Size: 9-1/2" by 9-1/2".
   2. Product: Bannerflex D3 Wall Mount Plate.

B. Fasteners: As indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

B. Notify Architect if conditions are not suitable for installation of signs; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

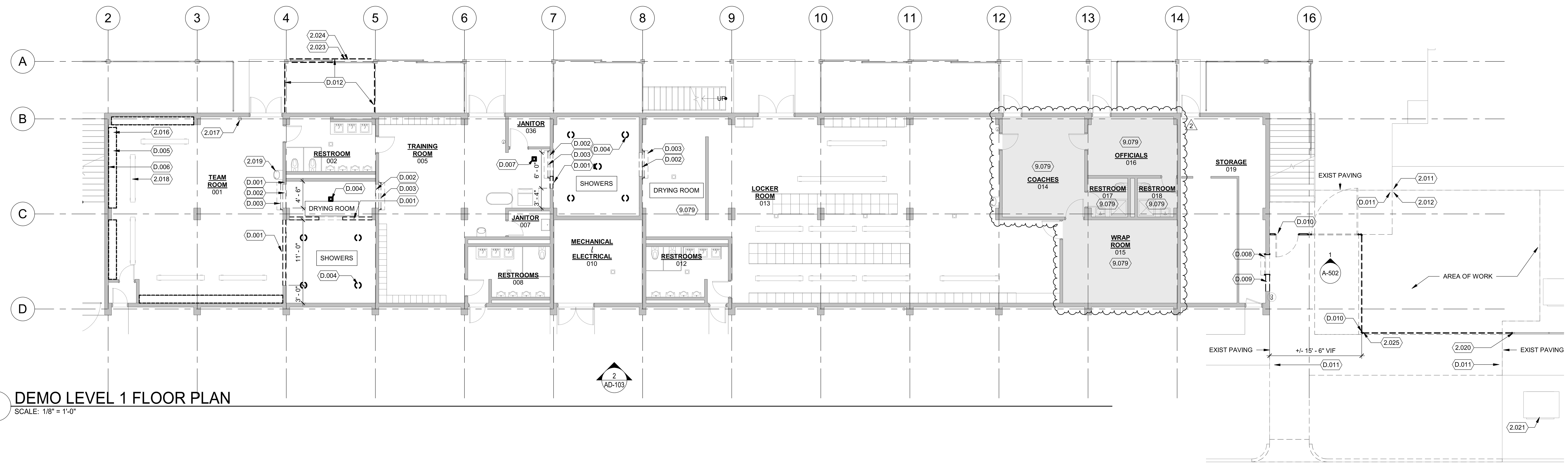
A. Install banner brackets in accordance with shop drawings and manufacturer's instructions.

B. Install banners in accordance with manufacturer's instructions.

C. Install with horizontal edges level.

D. Protect from damage until Substantial Completion; repair or replace damaged items.

END OF SECTION



1 DEMO LEVEL 1 FLOOR PLAN
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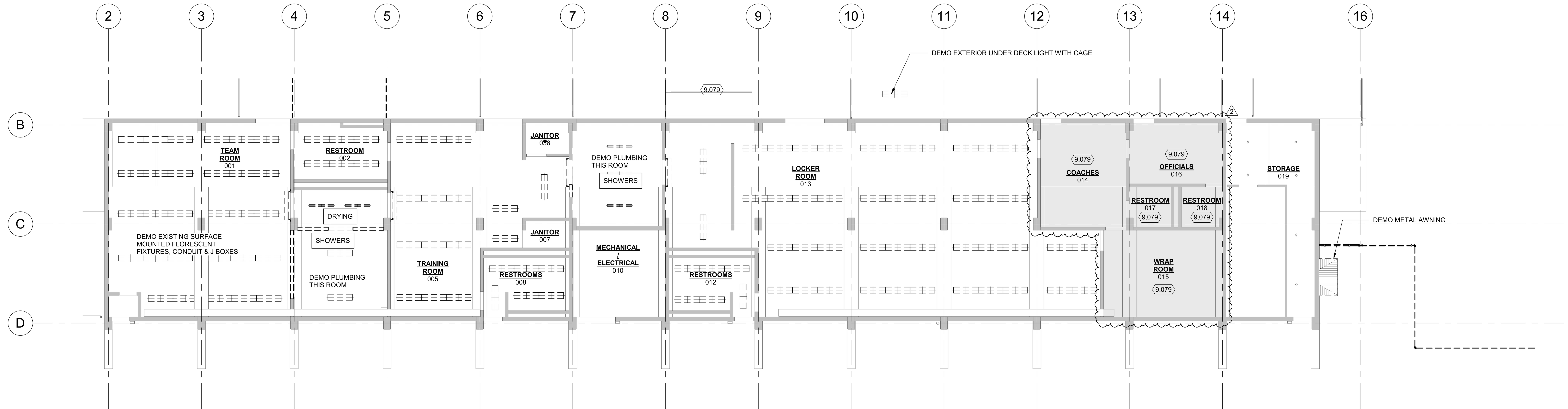
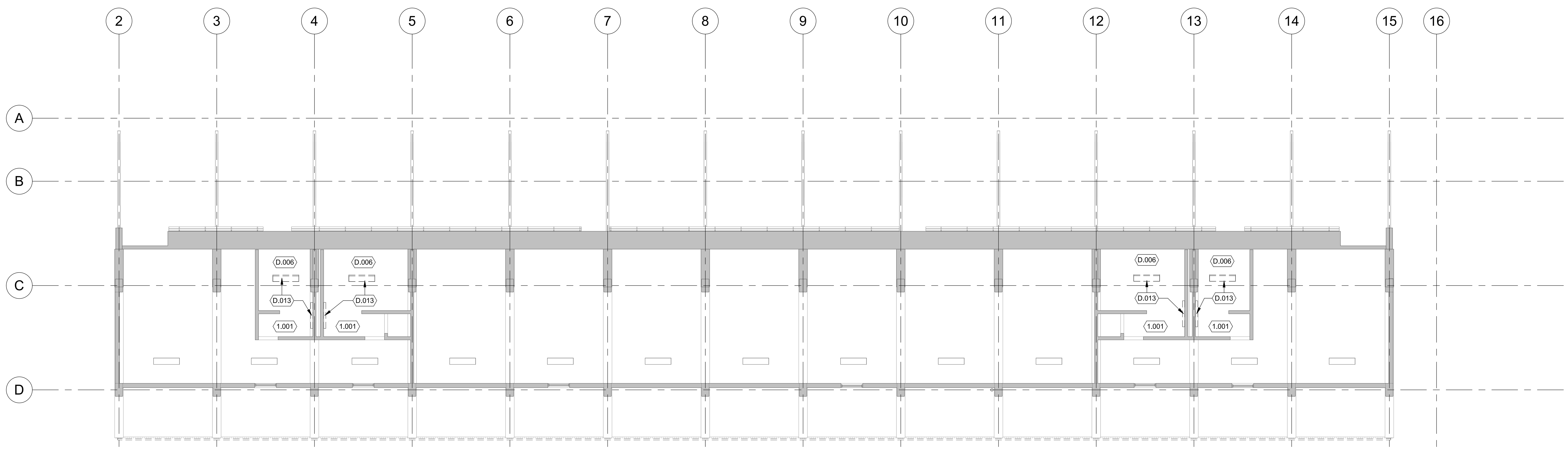


2 DEMO LEVEL 1 RCP
SCALE: 1/8" = 1'-0"



3 DEMO LEVEL 2 RCP
SCALE: 1/8" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
1.001	SEE ALTERNATE #1
2.011	EXISTING SPORT SURFACING AT POLE VAULT, PROTECT
2.012	EXISTING GRASS
2.016	SALVAGE EXISTING LOCKERS, PROTECT AND RELOCATE TO TEAM ROOM 009
2.017	SALVAGE WALL MOUNTED FIRE EXTINGUISHERS WHERE OCCUR, PROTECT AND REINSTALL AS REQ'D
2.018	PROTECT EXISTING BOLTED BENCHES
2.019	PROTECT EXISTING WATER FOUNTAINS
2.020	VERIFY LOCATION OF FENCE POST TO REMAIN, PROTECT SECTION OF CHAINLINK FABRIC TO RE-STRETCH IN NEW WORK
2.021	PROTECT ALL ELECTRICAL EQUIPMENT
2.023	PROTECT BI-PASS CHAINLINK FRAME DOORS
2.024	PROVIDE CLEAN AND LUBRICATION OF BI-PASS TRACKS THIS AREA
2.025	SALVAGE ALL SECURITY DEVICES AND CAMERAS IN AREA OF WORK AS REQUIRED, TURN OVER TO DISTRICT FOR REINSTALL AS REQUIRED
9.079	NO WORK IN THIS ROOM UNLESS NEEDED TO FACILITATE WORK IN OTHER AREAS
D.001	DEMOLISH SECTION OF CMU PARTITION WALL TO (E) DECK, SEE ALSO STRUCTURAL
D.002	DEMOLISH CURB AT (E) DOOR THRESHOLD
D.003	DEMOLISH (E) ROLL UP DOOR
D.004	DEMOLISH SHOWERS AND ALL ABOVE SLAB PLUMBING, ABANDON FLOOR DRAINS, SEE ALSO PLUMBING
D.005	DEMOLISH WOOD LOCKER BASES, TYPICAL WHERE SALVAGING LOCKERS
D.006	SCRAPE EXCESS GLUES AND SURFACE IMPERFECTIONS WHERE OCCURS OFF EXISTING CMU WALLS AND CEILINGS IN PREPARATION FOR NEW PAINT, TYPICAL
D.007	DEMOLISH EXISTING FLOOR DRAIN IN PREPARATION FOR NEW IN AREA, SEE ALSO PLUMBING
D.008	DEMOLISH (E) COILING COUNTER DOOR & ASSOCIATED METAL PLATE JAMB AND SILL
D.009	DEMOLISH SECTION OF CMU PARTITION TO GROUT LINES, SEE ELEVATION FOR ROUGH OPENING
D.010	DEMOLISH SECTION OF FENCE AND GATE
D.011	DEMOLISH PAVING THIS AREA, SEE ALSO LANDSCAPE
D.012	DEMOLISH T1-11 SIDING AS PART OF BI-PASS DOORS, INCLUDING T1-11 PARTITIONS BETWEEN STORAGE UNITS.
D.013	DEMOLISH SURFACE MOUNTED LIGHTS AND MOUNTING HARDWARE

DEMOLITION PLAN GENERAL NOTES

EXISTING

DEMOLITION

NEW CONSTRUCTION

1. DEMOLITION PLANS INDICATE DEMOLITION OF ARCHITECTURAL COMPONENTS. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION PLANS FOR ADDITIONAL COMPONENTS TO BE REMOVED.
2. IN THE PROCESS OF DEMOLITION, LIMIT DAMAGE TO EXISTING SURFACES AND FINISHES TO REMAIN. COVER AND PROTECT EQUIPMENT AND ELEMENTS THAT ARE UNABLE TO BE REMOVED FROM THE WORK AREA. REPAIR DAMAGED FLOORS, WALLS, SOFFITS AND CEILINGS TO ORIGINAL CONDITIONS AND PREPARE EXPOSED SURFACES TO RECEIVE FINISHES.
3. REMOVE BONDING AGENTS THAT REMAIN AFTER DEMOLITION OF WALL ELEMENTS, FLOORING OR FLOOR BASE FROM WALL AND FLOOR SURFACES AND PREP FOR NEW FINISHES.
4. ELEMENTS AND COMPONENTS ON FLOORS, WALLS, SOFFITS AND CEILINGS TO BE DEMOLISHED THAT ARE NOT SPECIFICALLY INDICATED BY A KEYNOTE ARE ASSUMED TO BE REMOVED WITH THE DEMOLISHED ITEM.
5. PATCH EXISTING FLOORING AT ANY DEMOLISHED WALL FOR CONSISTENT TRANSITION BETWEEN ADJACENT FLOOR SURFACES. PATCHED AREA TO RECEIVE SAME PREPARATION FOR NEW FLOORING AS ADJACENT SURFACES.
6. WHERE DRAWINGS MAY BE PERCEIVED AS UNCLEAR REGARDING WHAT IS EXISTING OR DEMOLISHED, SUBMIT A FORMAL BIDDERS QUESTION DURING PROJECT BIDDING.
7. ALL EXISTING AND NEW MOUNTING SLEEVES IN WALLS THAT ARE EXPOSED FROM THE REMOVAL OF ITEMS SHALL BE REMOVED FROM THE WALL AND EXPOSED HOLE PATCHED TO RECEIVE PAINT.
8. VERIFY WITH OWNERS WHERE SALVAGES ITEMS ARE TO BE STORED.

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lsw job number
2024-0014

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DEMOLITION PLANS

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Scale **As indicated**

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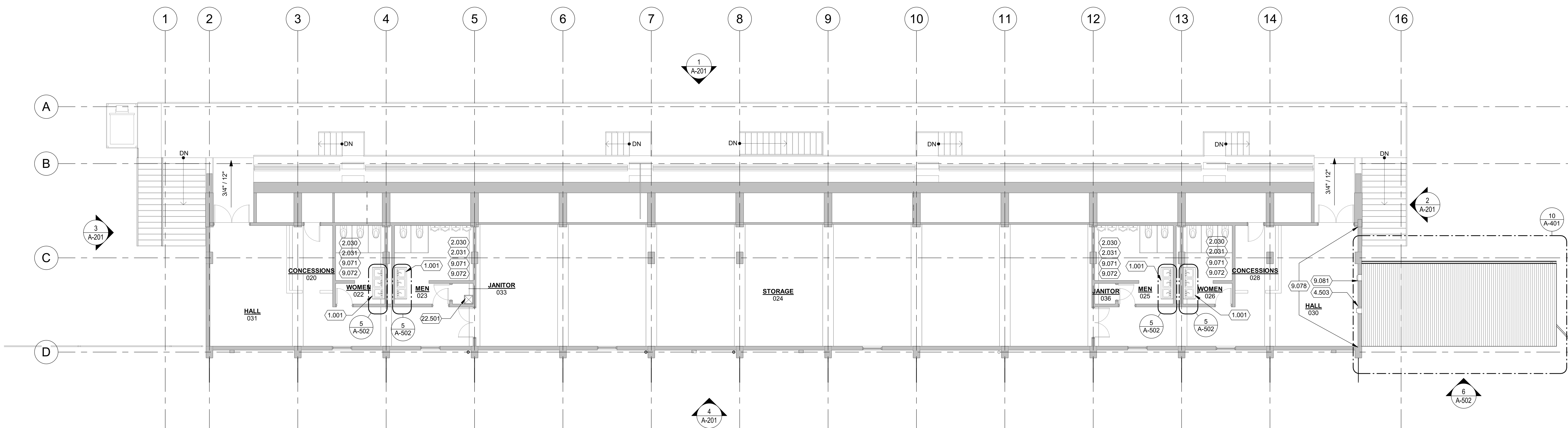

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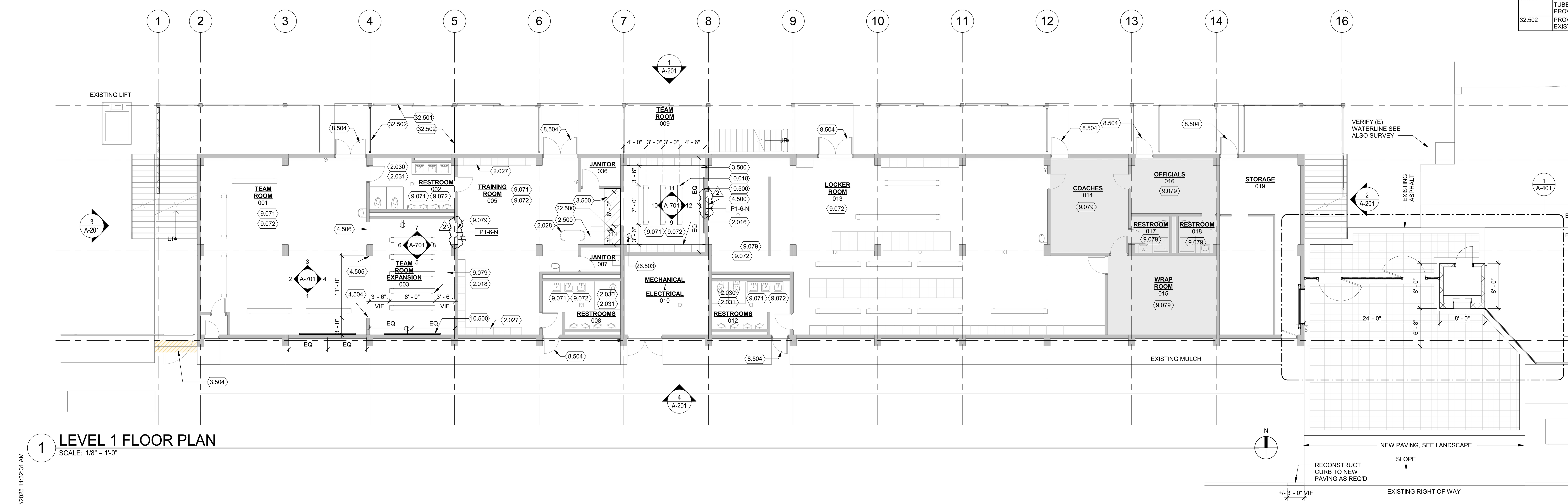

1 LEVEL 1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

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DEDUCTIVE ALTERNATES

SEE SPEC SECTION 01 23 00 - ALTERNATES
SEE ARCHITECTURAL DRAWINGS.

1. REMOVE SCOPE OF WORK RELATED TO REPLACING SINKS AND COUNTERS FROM 2ND LEVEL RESTROOMS (022, 023, 025 & 026).
2. REMOVE PAINTING SCOPE AT INTERIOR WALLS AND FLOORS OF PRESS BOX (034).
3. REMOVE EXTERIOR FLAGS/BANNERS AND MOUNTING BRACKET SCOPE. REFER TO SPEC SECTION 10 83 00.
4. REMOVE EXTERIOR LIGHTING FIXTURES ON SOUTH EXTERIOR WALL.

FLOOR PLAN GENERAL NOTES

1. MASONRY OPENINGS ARE DIMENSIONED NOMINALLY UNLESS OTHERWISE NOTED.
2. ALL DOOR, WINDOW, LOUVER AND OTHER OPENINGS ARE DIMENSIONED FOR NOMINAL OPENING SIZE. CONSTRUCT OPENING SIZES PER MANUFACTURER REQUIREMENTS. REFER TO DOOR TYPES, DOOR FRAME TYPES , AND WINDOW TYPES FOR DIMENSIONS.
3. FLOOR PLANS INDICATE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS AND MAY NOT SHOW ALL COMPONENTS. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL INFORMATION.
4. REFER TO EXTERIOR ELEVATIONS, BUILDING SECTIONS, AND WALL SECTIONS FOR WALL CONSTRUCTION ABOVE CUT-LINE.
5. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SPOT REPAIRS AT EXISTING CONCRETE/HANDRAIL CONDITIONS.

KEYNOTE LEGEND

Key Value	Keynote Text
1.001	SEE ALTERNATE #1
2.016	SALVAGE EXISTING LOCKERS, PROTECT AND RELOCATE TO TEAM ROOM 009
2.018	PROTECT EXISTING BOLTED BENCHES
2.027	EXISTING LOCKERS TO REMAIN
2.028	EXISTING SPORTS ICE BATH TUB, COORDINATE WITH DISTRICT ON REINSTALLATION
2.030	SALVAGE ALL PARTITIONS AND TOILET ACCESSORIES FOR REINSTALLATION AFTER PAINTING.
2.031	PROTECT ALL PLUMBING IN PLACE
2.500	EXISTING ICE MAKER - COORDINATE WITH DISTRICT ON REINSTALLATION, SEE PLUMBING FOR ROUTING OF DRAIN LINES
3.500	PATCH (E) SLAB AT SAW CUTTING WERE OCCURS. PROVIDE NEW SELF-LEVING CONCRETE FLOOR TOPPING THIS ROOM, PER STRUCTURAL.
3.504	LOCAL GRINDING OF HEAVED PAVING FOR LEVEL ACCESSIBLE PATH
4.500	INFILL MASONRY UNIT WALL WITH SIMILAR TO ADJACENT, PAINT
4.503	SEE STRUCTURAL FOR ROOF FRAMING & WALL PATCH
4.504	PROVIDE CMU END CAP PER STRUCTURAL
4.505	PATCH CONC. AT REMOVED CMU SMOOTH, PAINT
4.506	AT DEMO'D COILING DOOR PATCH AND PREP EXISTING SURFACES TO REMAIN, SMOOTH, PAINT. EXISTING HM FRAME AT REMOVED COILING DOOR TO REMAIN. PATCH AND PAINT.
8.504	REKEY LOCKS THESE DOORS TO ONE MASTER
9.071	CLEAN, PREP AND PAINT WALLS, CEILINGS AND FLOORS.
9.072	FLUID APPLIED FLOORING THIS ROOM
9.078	PAINT THIS WALL
9.079	NO WORK IN THIS ROOM UNLESS NEEDED TO FACILITATE WORK IN OTHER AREAS
9.081	CLEAN, PREP AND PAINT ALL EXISTING HANDRAILS AND GUARDRAILS
10.018	LOCKER BENCH
10.500	WHITEBOARD
22.500	FLOOR SINK WITH GRATE
22.501	MOP SINK
26.503	EXISTING ELECTRICAL OUTLET TO REMAIN THIS LOCATION
32.501	NEW CHAINLINK FABRIC AT EXISTING METAL TUBE BI-PASS DOOR FRAMES, THIS PORTAL, PROVIDE WHITE SLATS
32.502	PROVIDE NEW CHAINLINK FENCE TO MATCH EXISTING, SEE LANDSCAPE DRAWINGS

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PLANS

A-101

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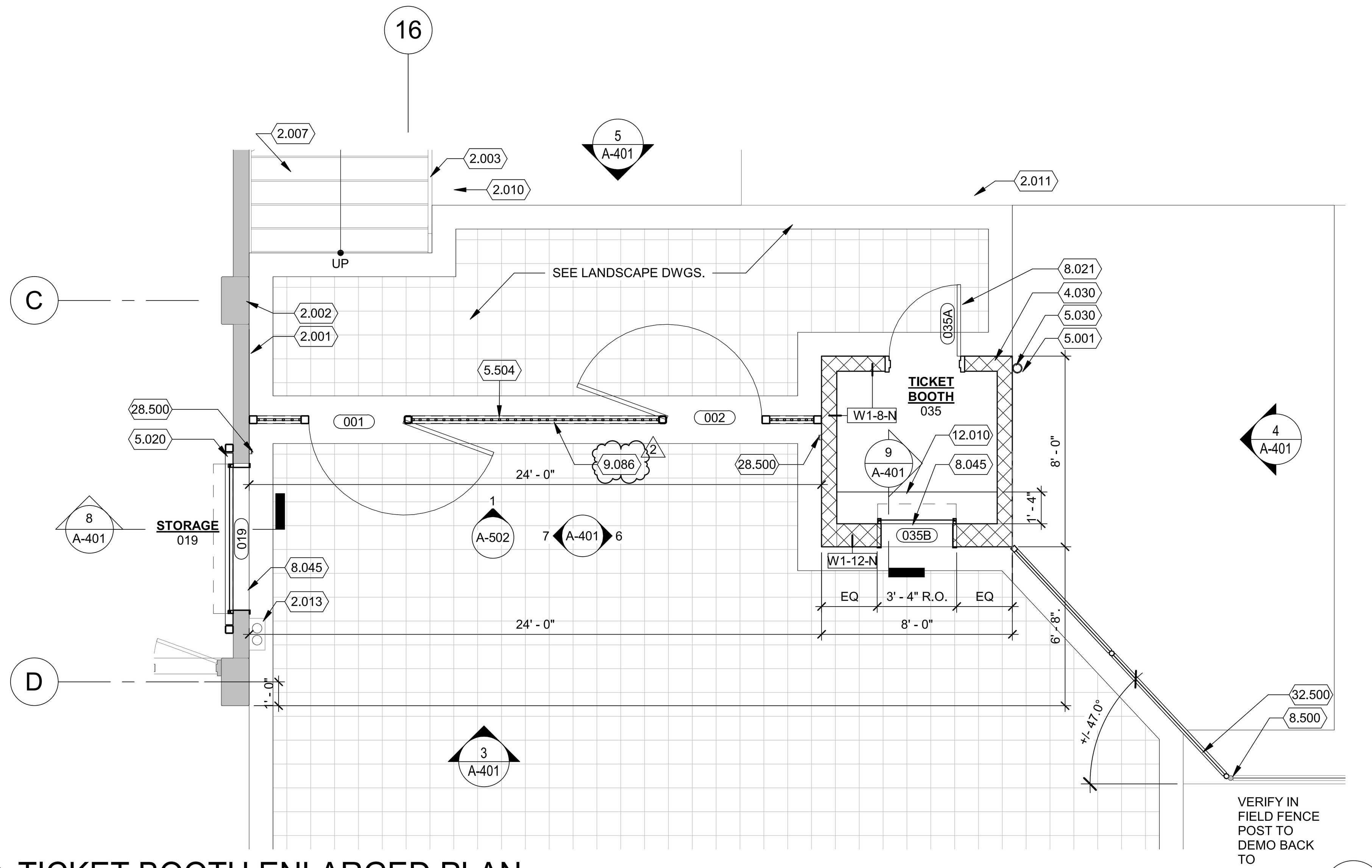

1 TICKET BOOTH ENLARGED PLAN
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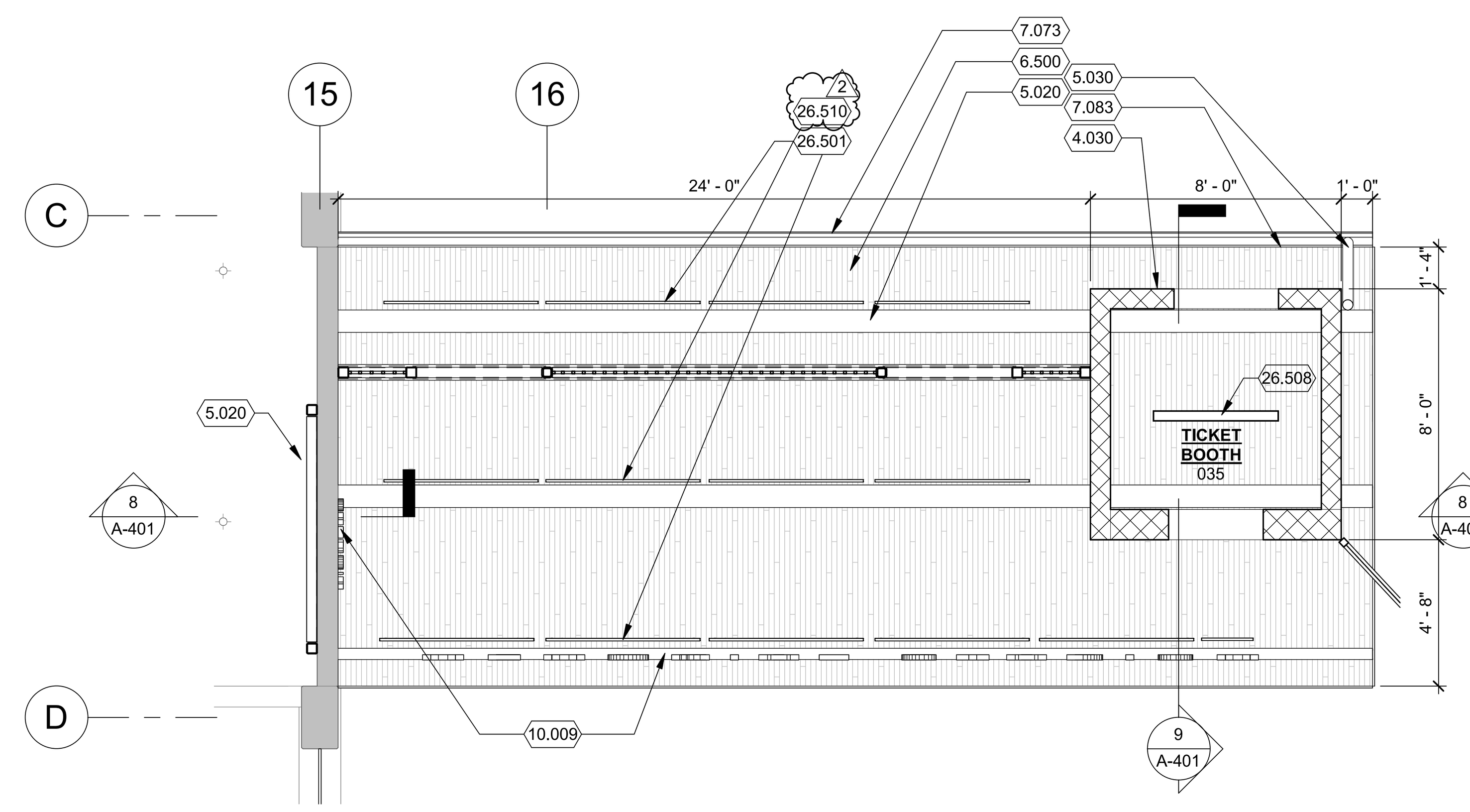

2 TICKET BOOTH ENLARGED RCP
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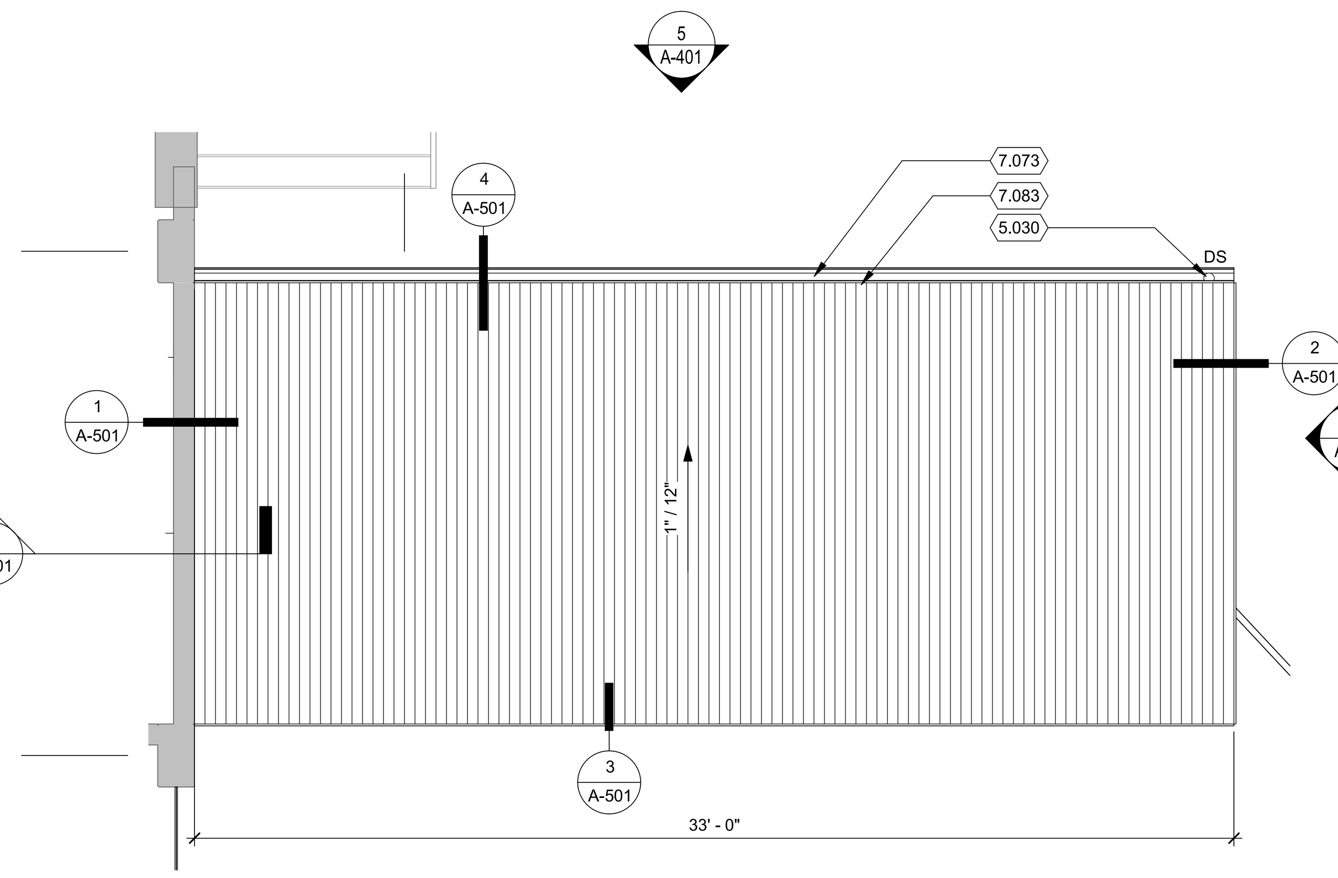

10 TICKET BOOTH ROOF
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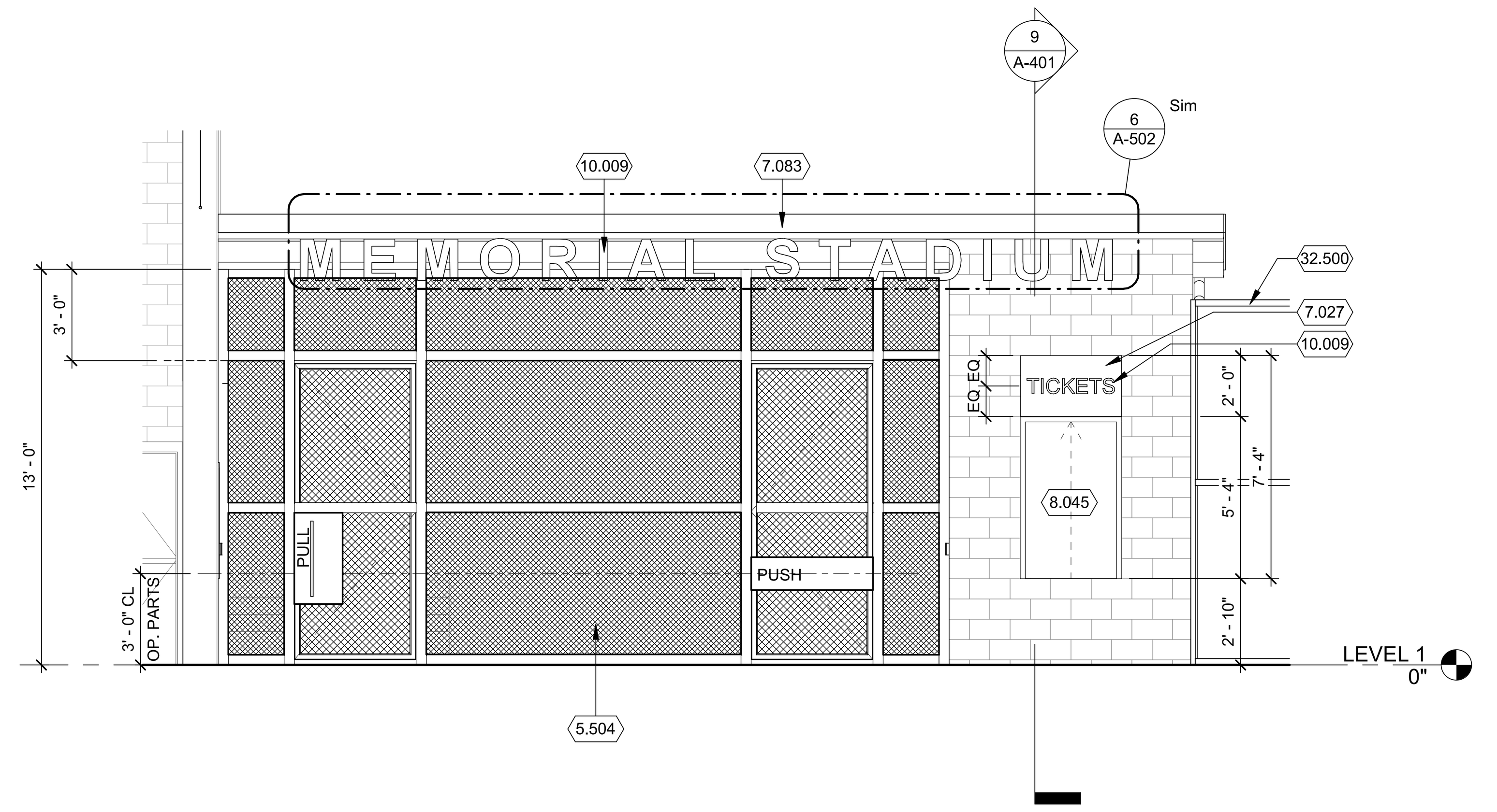

3 TICKET BOOTH SOUTH ELEVATION
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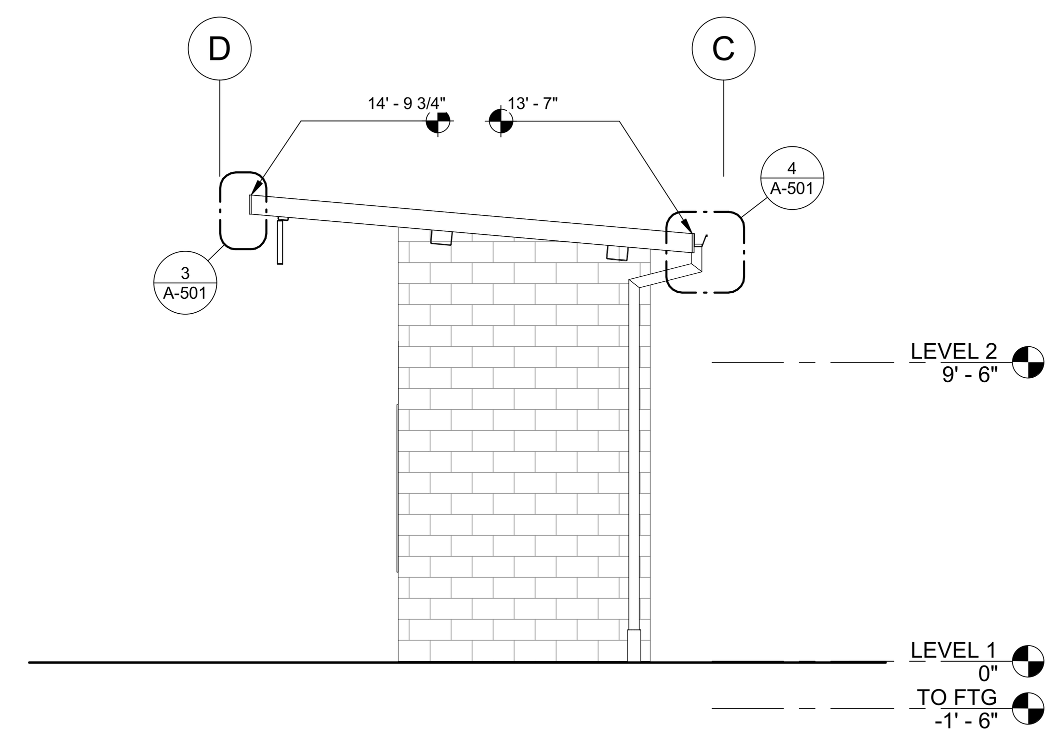
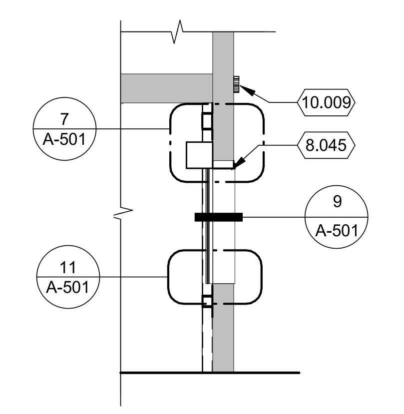


4 TICKET BOOTH EAST ELEVATION
SCALE: 1/4" = 1'-0"



8 TICKET WINDOW SECTION
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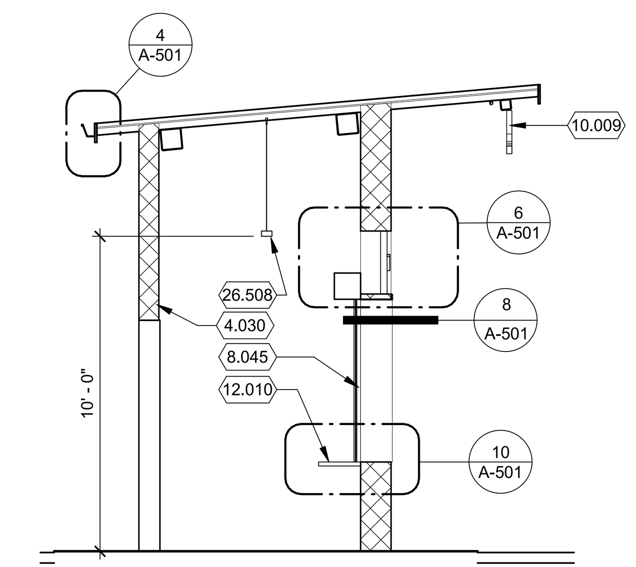

9 TICKET BOOTH SECTION
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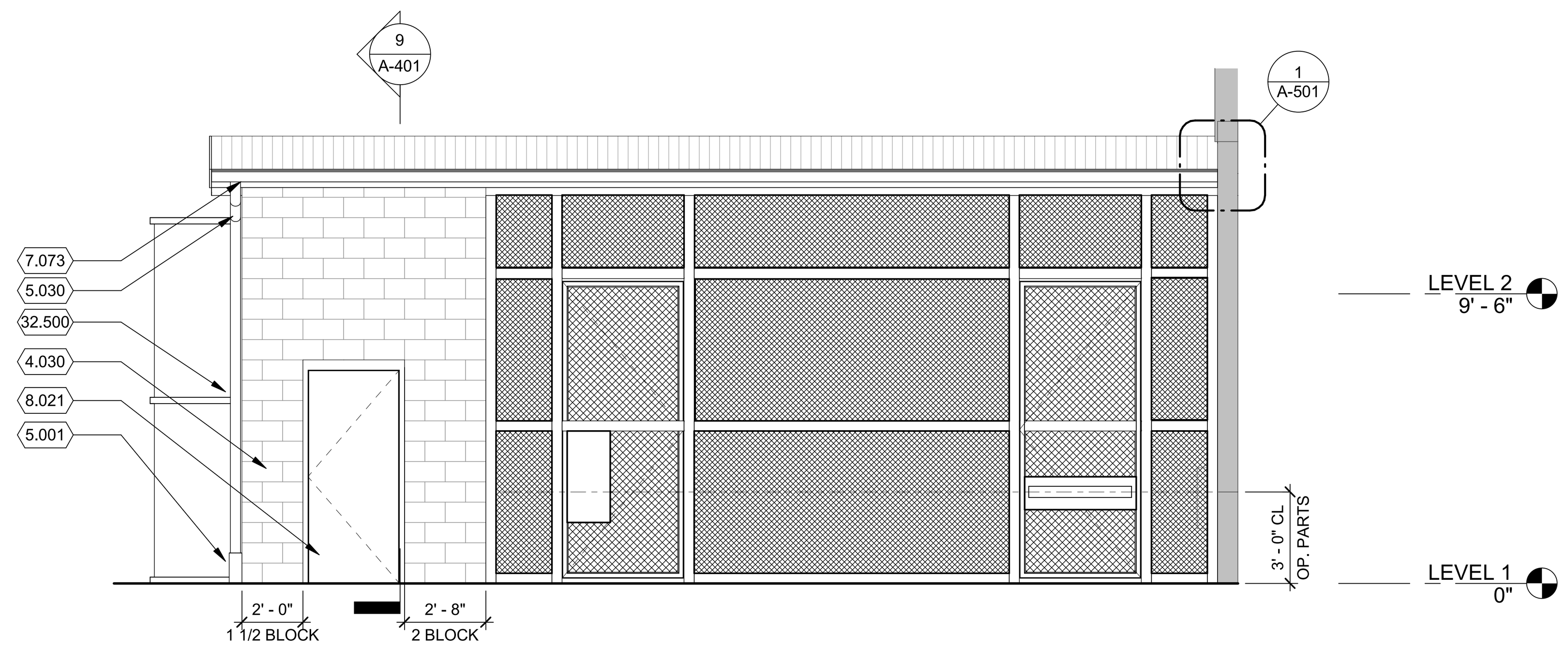

5 TICKET BOOTH NORTH ELEVATION
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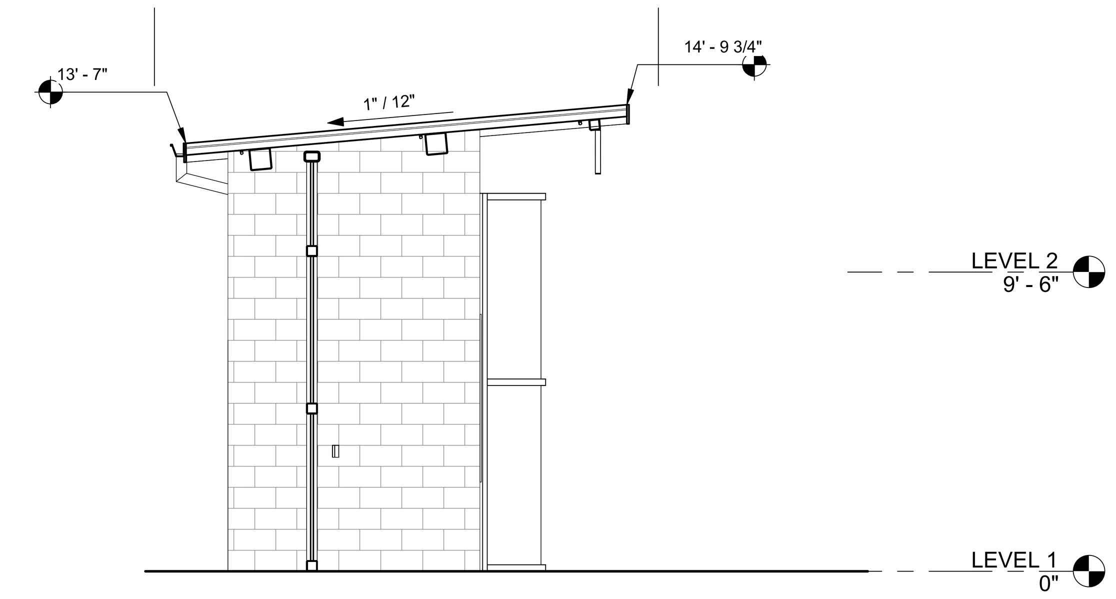
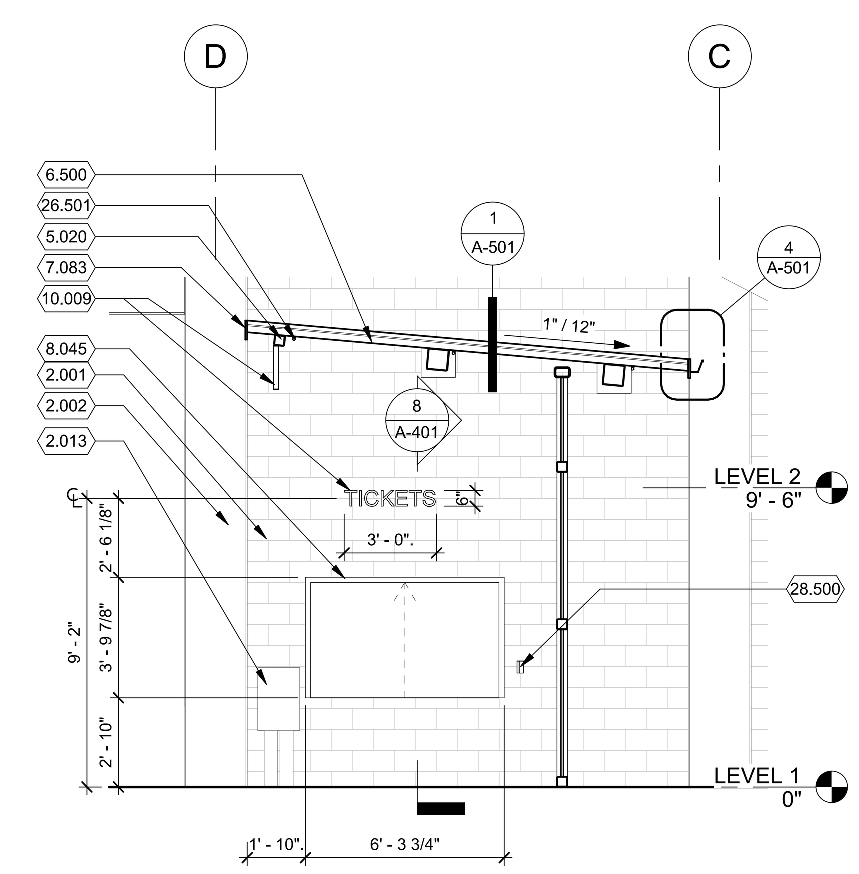


6 TICKET BOOTH WEST ELEVATION
SCALE: 1/4" = 1'-0"



7 TICKET WINDOW ENLARGED ELEVATION
SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND

Key Value	Keynote Text
2.001	EXISTING CMU WALL, PAINT
2.002	EXISTING CONCRETE FRAME, PAINT
2.003	EXISTING 1 1/2" SQUARE TUBE RAILING W/ SUPPORTS @ +/- 7'-6" O.C. VIF, PROTECT
2.007	EXISTING CONCRETE STEPS WITH CONTRASTING PAINT
2.010	EXISTING ASPHALT, PROTECT
2.011	EXISTING SPORT SURFACING AT POLE VAULT, PROTECT
2.013	EXISTING EQUIPMENT, VIF, PROTECT
4.030	CONCRETE MASONRY UNIT WALLS WITH SEALER / GRAFFITI RESISTANT COATING
5.001	DOWNSPOUT BOOT
5.020	STEEL TUBE FRAMING, PAINTED
5.030	SCHEDULE 40 DOWNSPOUT, PAINT
5.504	NEW ORNAMENTAL FENCE AND GATES
6.500	STRUCTURAL DOUG-FIR TONGUE AND GROOVE WOOD DECK
7.027	METAL WALL PANEL, CONCEALED FASTENERS
7.073	PREFINISHED GUTTER
7.083	PRE-MANUFACTURED FASCIA
8.021	HOLLOW METAL DOOR AND FRAME
8.045	COUNTER COILING DOOR
8.500	EXISTING CHAIN LINK
9.086	PREP AND PAINT ALL GATE STRUCTURE, INFILL PANELS, CONNECTIONS. SEE SCHEDULE FOR COLOR.
10.009	BIDDER-DESIGNED DIMENSIONAL LETTER SIGN. PROVIDE MOUNTING HARDWARE.
12.010	COUNTERTOP
26.501	SURFACE MOUNTED LINEAR LED FIXTURES, SEE ELECTRICAL
26.508	PENDANT HUNG STRIP LINEAR LED FIXTURES, SEE ELECTRICAL
26.510	PAINT EXPOSED EXTERIOR CONDUITS TO MATCH STRUCTURE, INSTALL TIGHT TO BEAMS, CORNERS, PROVIDE TURNS AT INTERIOR LOCATIONS AS ALLOWS.
28.500	CARD READER, OFCI
32.500	CHAIN LINK FENCE TO MATCH ADJACENT

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ENLARGED TICKET BOOTH PLANS & ELEVATIONS

A-401

Scale **1/4" = 1'-0"**

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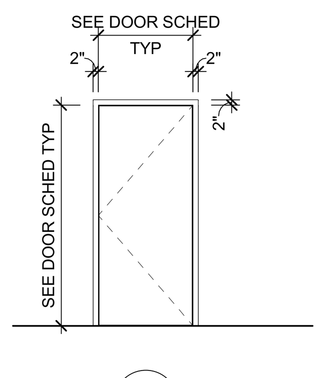
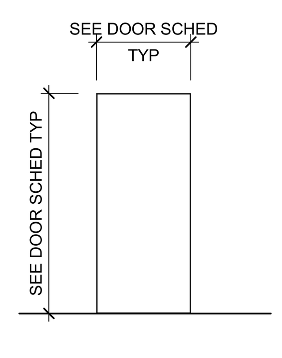
H.M. FRAME TYPES



F1

DOOR TYPES



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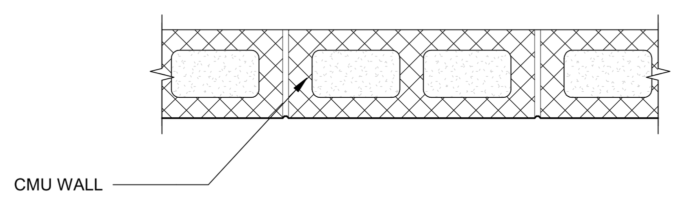

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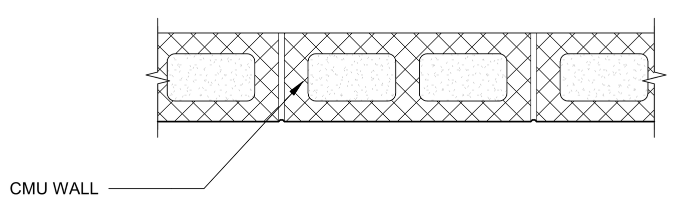

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DOOR SCHEDULE

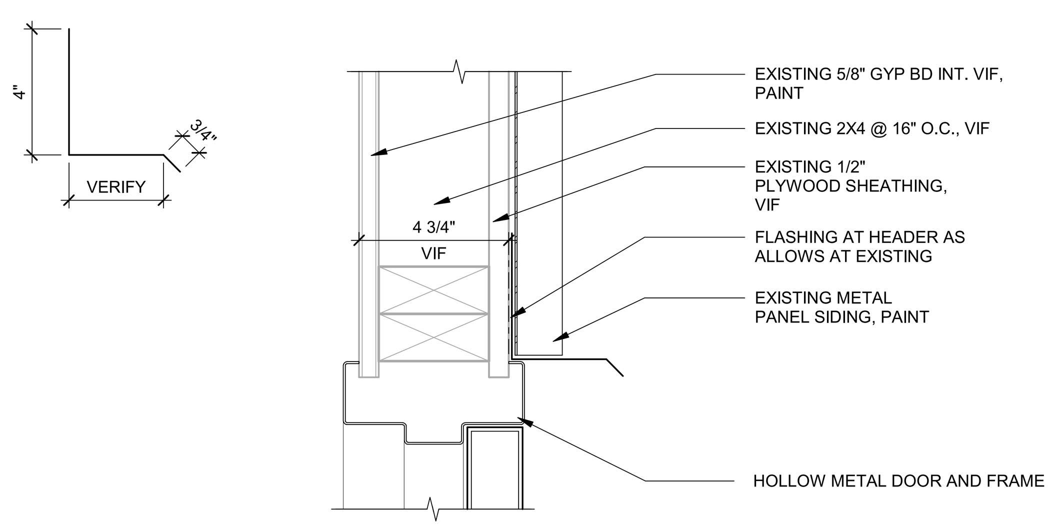
REVISIONS	DOOR NO.	FROM ROOM NAME	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS (SEE SHEET A-601) HEAD	DETAILS JAMB	DETAILS THRESH.	HARDWARE SET	REMARKS
	001		CL	4' - 0"	9' - 9"	1 3/4"									1	
	002		CL	4' - 0"	9' - 9"	1 3/4"									2	
	019	STORAGE	OCC	6' - 0"	3' - 8"										3	LOCK BY DOOR MANF
	034A	PRESS BOX	F	2' - 8"	6' - 8"	1 3/4"	HM	PAINT	F1	HM	PAINT	1	1	2	4	PRESS BOX WEST - KEY LOCK
	034B	PRESS BOX	F	2' - 8"	6' - 8"	1 3/4"	HM	PAINT	F1	HM	PAINT	1	1	2	4	PRESS BOX EAST - KEY LOCK
	035A	TICKET BOOTH	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	3	3		5	KEY LOCK
	035B	TICKET BOOTH	OCC	3' - 0 1/4"	5' - 2"										3	LOCK BY DOOR MANF

COLOR & MATERIAL SCHEDULE

LOCATION	CODE	MANF	MATERIAL	FINISH	COLOR (TO MATCH)	REMARKS
Exterior Body Color	P-1	**Sherwin-Williams**	Paint	Satin	PPG1025-2 'SILENT SMOKE'	White
Exterior Accent Color	P-2	**Sherwin-Williams**	Paint	Satin	PPG1187-7 'RED GUMBALL'	BOD Red - Confirm with District standards
Metal Roofing		**Sherwin-Williams**	Prefinished	By Manf.	SELECTED FROM STANDARD COLORS	White, top and bottom
Ticket Booth Metal Framing	P-3	**Sherwin-Williams**	Paint	**Semi-gloss**	PPG16-17 'TUDOR BEIGE'	Tan
Ticket Booth Gutter & Downspout	P-4	**Sherwin-Williams**	Paint	**Semi-gloss**	PPG1022-3 'SILVER DOLLAR'	Light Gray
Doors and Frames	P-5	**Sherwin-Williams**	Paint	**Semi-gloss**	PPG1006-5 'SO SUBLIME'	Dark Gray
Ticket Booth Gates	P-6	**Sherwin-Williams**	Paint	**Semi-gloss**	PPG1001-7 'BLACK MAGIC'	Black
Interior Wall & Ceiling Color	P-7	**Sherwin-Williams**	Paint	**Eg-Shel**	PPG1025-2 'SILENT SMOKE'	White
Interior Accent Wall Color	P-8	**Sherwin-Williams**	Paint	**Eg-Shel**	PPG1237-4 'HORIZON HAZE'	BOD Light Blue - Confirm with District Standards
Interior Accent Wall Color	P-9	**Sherwin-Williams**	Paint	**Eg-Shel**	PPG1187-7 'RED GUMBALL'	BOD Red - Confirm with District standards
Interior Accent Wall Color	P-10	**Sherwin-Williams**	Paint	**Eg-Shel**	**PPG1001-7 'BLACK MAGIC'**	**Black**
Laminate Counter	P-LAM-1	Wilsonart	Laminate	Matte	D96-80 'SHADOW'	Warm Gray
Solid Surface Counter	CT-1	LX Hausys	Solid Surface	Matte	W103 - 'COBBLESTONE'	Speckled Off-White
Fluid applied flooring	EF-1	Sherwin Williams	Epoxy	Satin	HAZE GRAY	**Flooring & Base**

ROOM FINISH SCHEDULE

REVISIONS	NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH MATERIAL	NORTH FINISH	EAST MATERIAL	EAST FINISH	SOUTH MATERIAL	SOUTH FINISH	WEST MATERIAL	WEST FINISH	CASEWORK COUNTER TOP FINISH	CEILING MATERIAL	CEILING FINISH	DOOR & FRAME	REMARKS	Level
ADD-2	001	TEAM ROOM	EF-1	EF-1	(E) CMU	P-7/P-8	(E) CMU	P-7/P-8	(E) CMU	P-7	(E) CMU	P-7/P-8		(E)	P-7	P-7	ACCENT PAINT ON COLUMNS AND PILASTERS	LEVEL 1
ADD-2	002	RESTROOM	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	P-5		LEVEL 1
ADD-2	003	TEAM ROOM EXPANSION	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	-		LEVEL 1
ADD-2	005	TRAINING ROOM	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	P-5		LEVEL 1
ADD-2	008	RESTROOMS	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	P-5		LEVEL 1
ADD-2	009	TEAM ROOM	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	-		LEVEL 1
ADD-2	012	RESTROOMS	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	P-5		LEVEL 1
ADD-2	013	LOCKER ROOM	EF-1	EF-1	(E) CMU	P-7/P-9/P-10	(E) CMU	P-7/P-9/P-10	(E) CMU	P-7/P-9/P-11	(E) CMU	P-7/P-9/P-10		(E)	P-7	P-9	ACCENT PAINT ON COLUMNS AND PILASTERS	LEVEL 1
ADD-2	019	STORAGE	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7		(E)	P-7	P-5		LEVEL 1
ADD-2	035	TICKET BOOTH	CONC.	-	CMU	CLEAR SEALED	CMU	CLEAR SEALED	CMU	CLEAR SEALED	CMU	CLEAR SEALED	P-LAM	WD	CLEAR SEALED	P-5	MATTE SEALER	LEVEL 1
ADD-2	022	WOMEN	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	CT-1	(E)	P-7	P-5		LEVEL 2
ADD-2	023	MEN	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	CT-1	(E)	P-7	P-5		LEVEL 2
ADD-2	025	MEN	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	CT-1	(E)	P-7	P-5		LEVEL 2
ADD-2	026	WOMEN	EF-1	EF-1	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	(E) CMU	P-7	CT-1	(E)	P-7	P-5		LEVEL 2
ADD-2	034	PRESS BOX	(E)	(E)	(E) GYP BD	P-7	(E) GYP BD	P-7	(E) GYP BD	P-7	(E) GYP BD	P-7				P-5		PRESS BOX -



1 PRESS BOX DOOR HEAD AND JAMB
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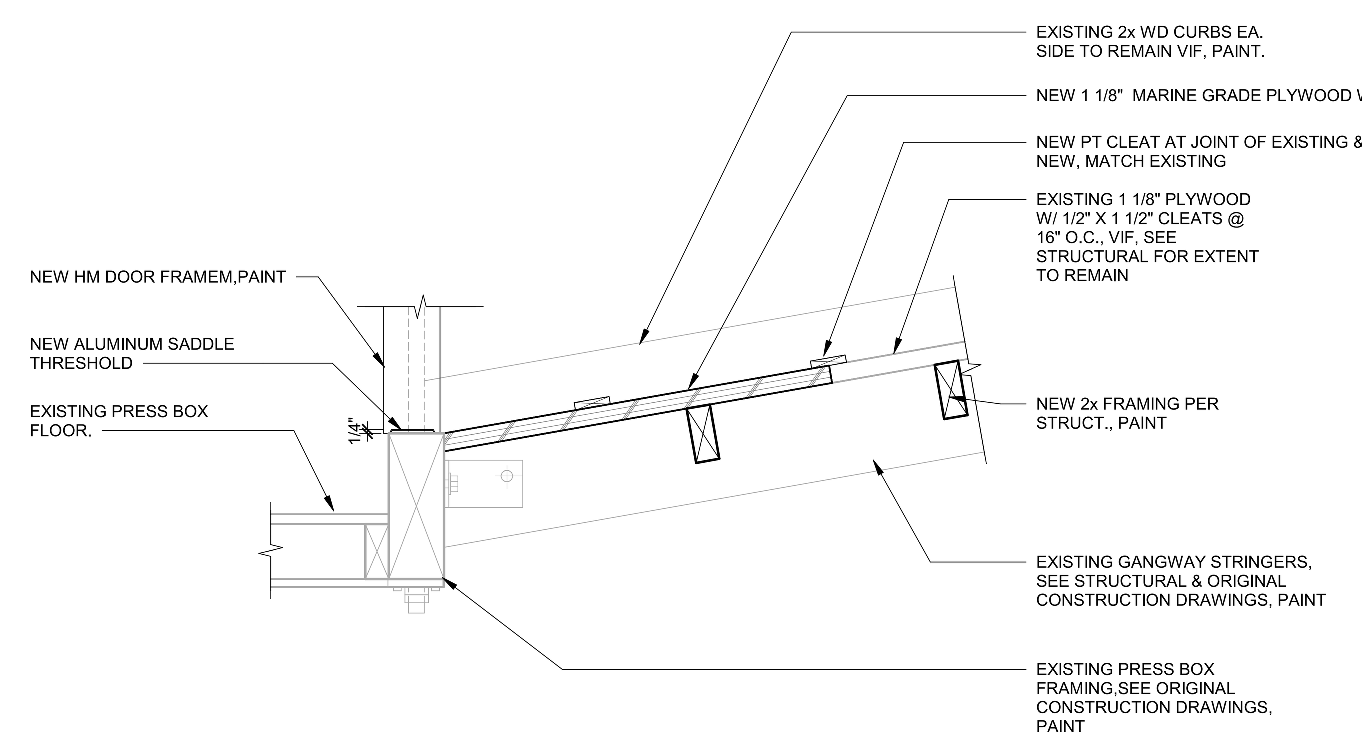

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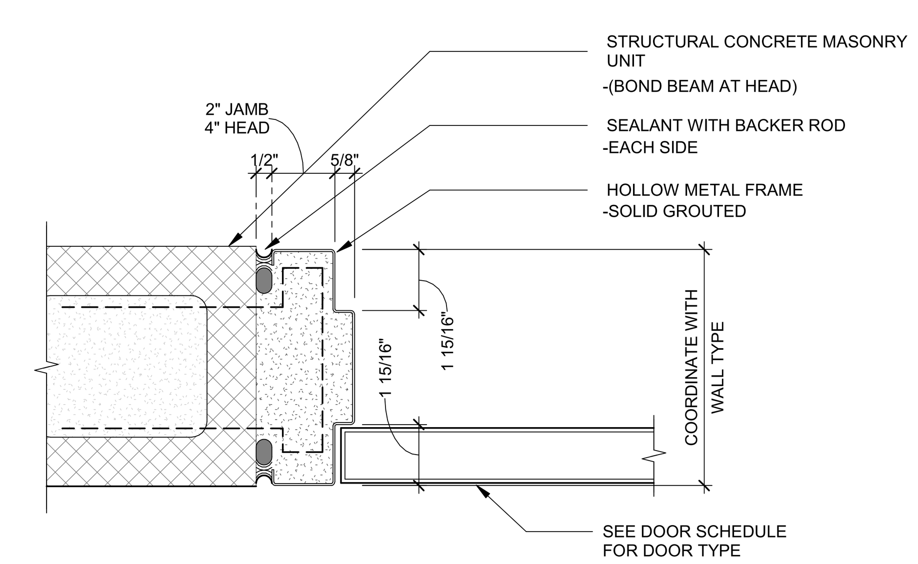

3 TICKET BOOTH DOOR HEAD AND JAMB
SCALE: 3" = 1'-0"

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lsw job number
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issue date
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PARTITIONS AND DOOR TYPES, DETAILS, SCHEDULES

A-601

Scale **As indicated**

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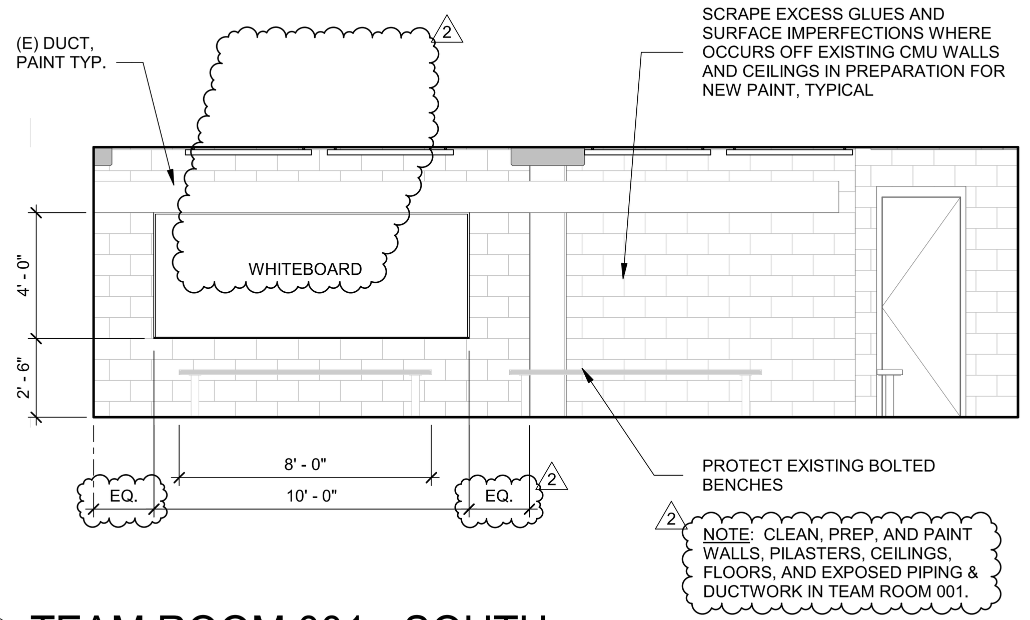

1 TEAM ROOM 001 - SOUTH
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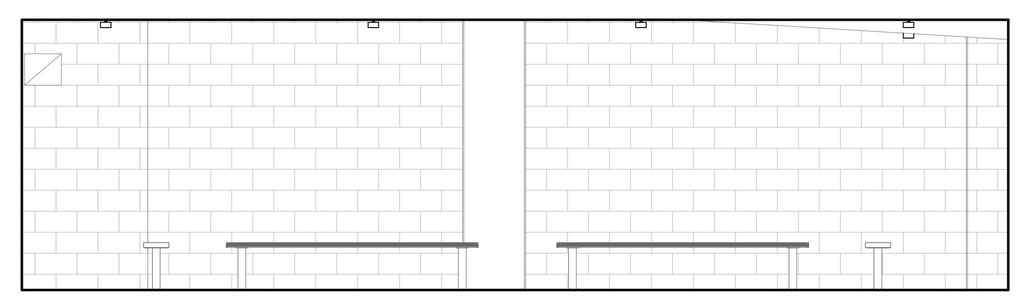

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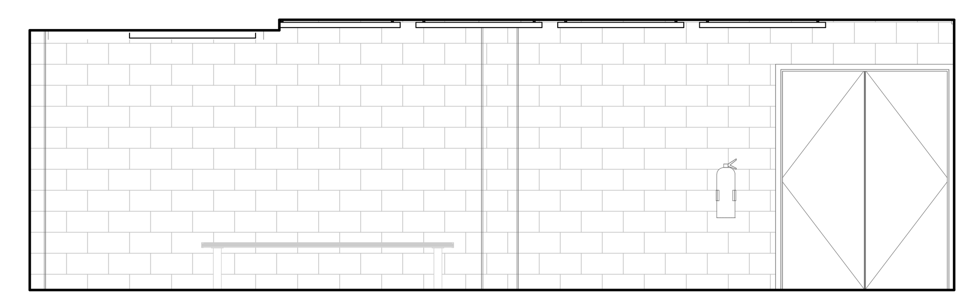

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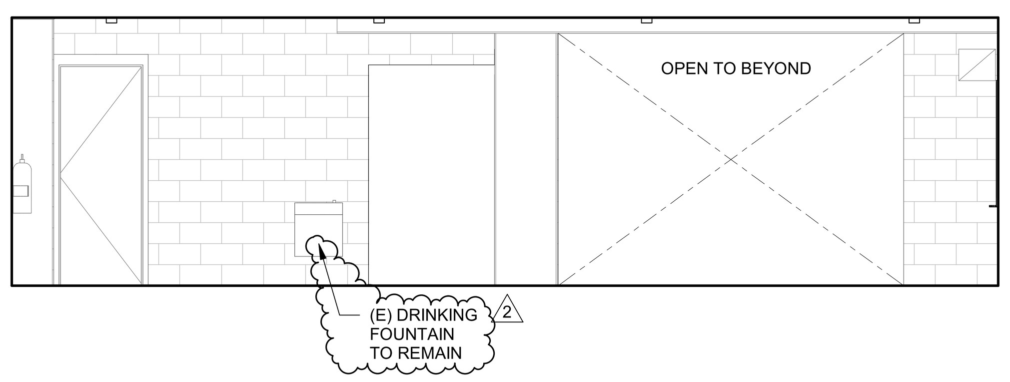

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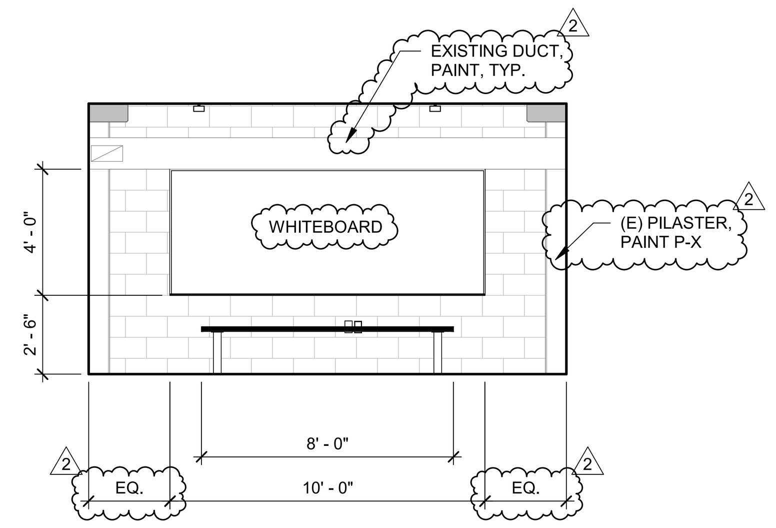

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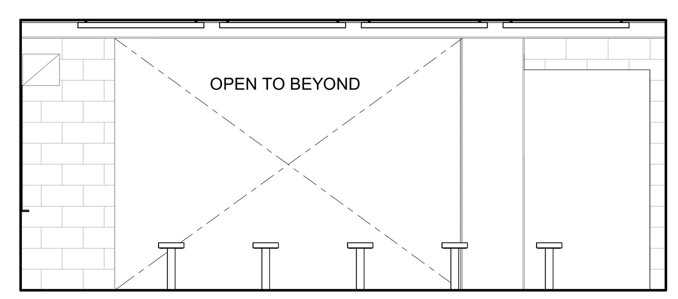

6 TEAM ROOM 003 - WEST
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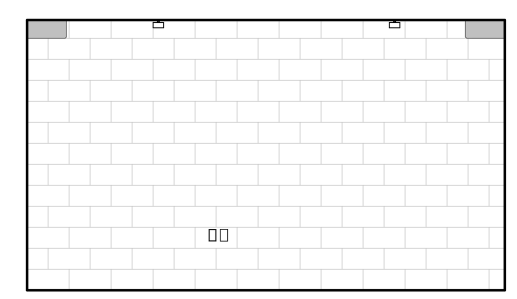

7 TEAM ROOM 003 - NORTH
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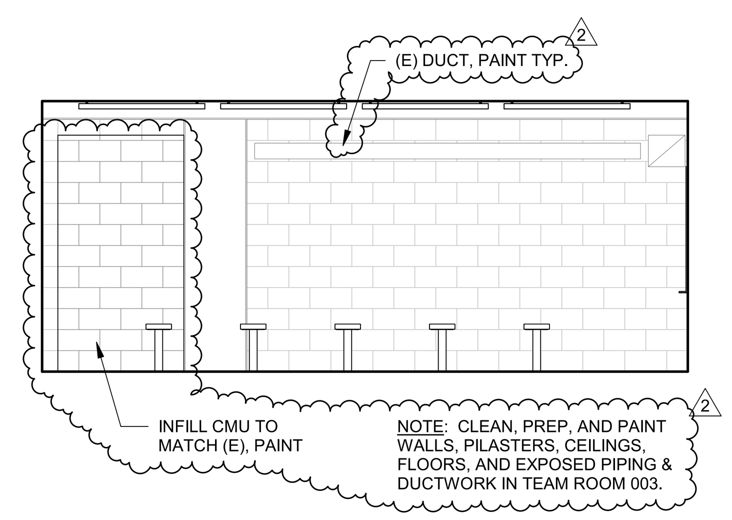

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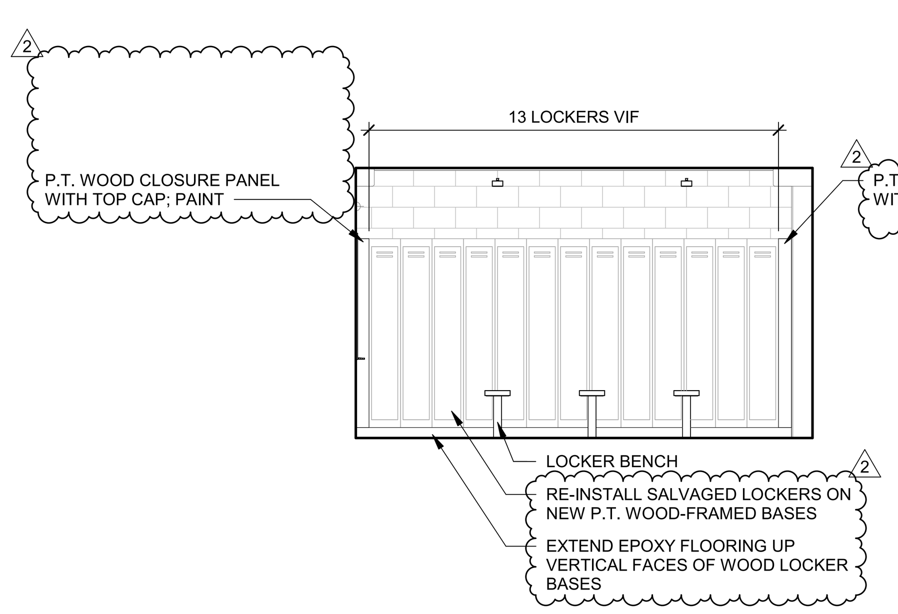

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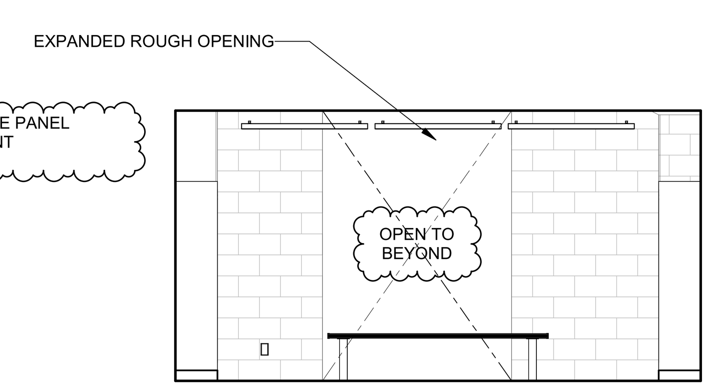

10 TEAM ROOM 009 - WEST
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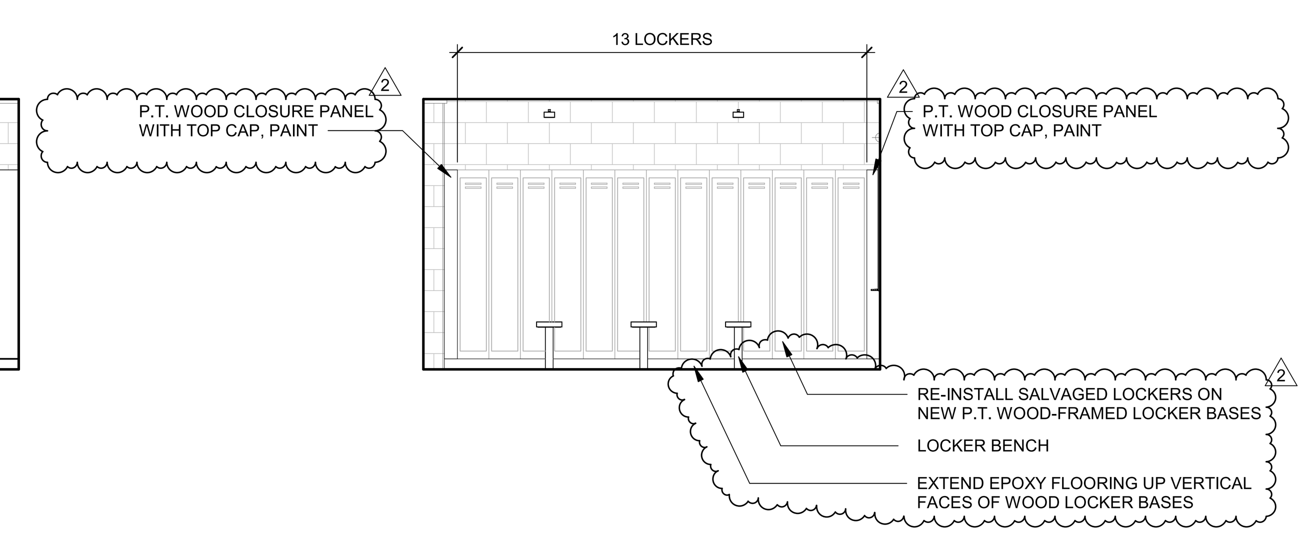

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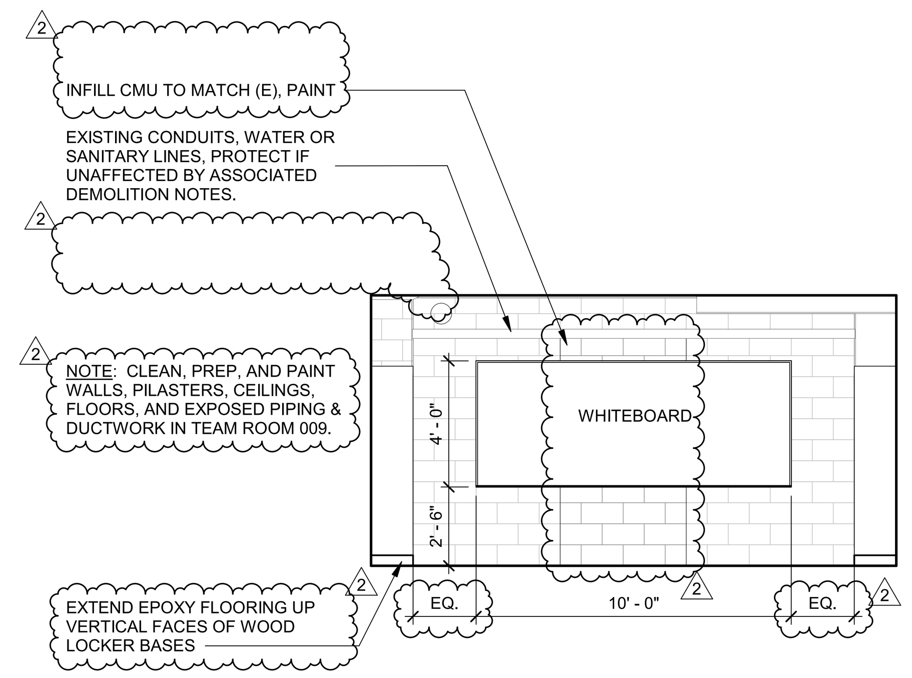

12 TEAM ROOM 009 - EAST
SCALE: 1/4" = 1'-0"

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INTERIOR ELEVATIONS

A-701

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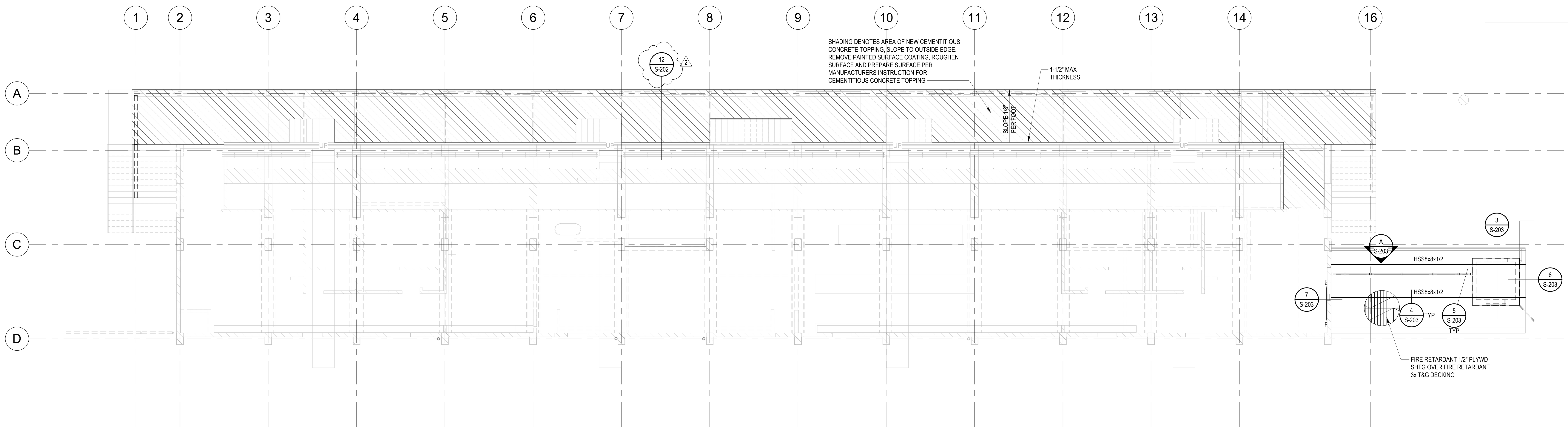
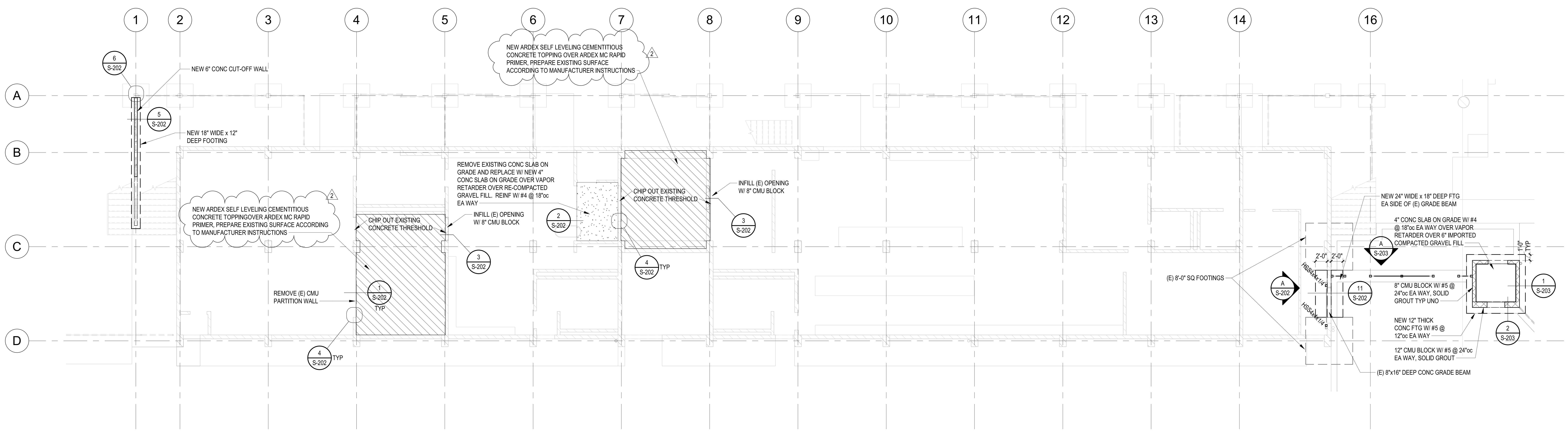


B S-101 **EXISTING LEVEL 2 GRANDSTAND PLAN AND NEW TICKET BOOTH ROOF FRAMING PLAN**

1/8" = 1'-0"



A S-101 **EXISTING LEVEL 1 GRANDSTAND PLAN AND NEW TICKET BOOTH FOUNDATION PLAN**

1/8" = 1'-0"

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lsw job number
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issue date
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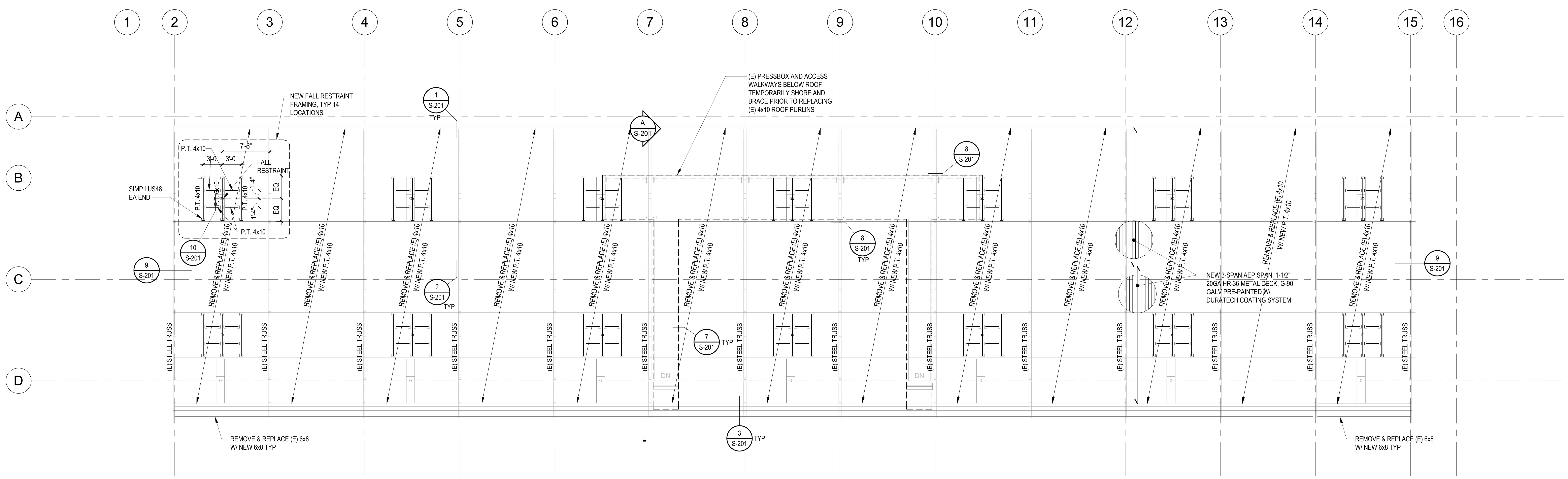
PLANS

S-101

Scale **1/8" = 1'-0"**

FRAMING PLAN NOTES:

1. ALL NEW ROOF PURLINS TO BE PRESSURE TREATED.
2. ALL NEW WOOD NAILERS ON TOP OF EXISTING STEEL TRUSSES TO BE PRESSURE TREATED.
3. ALL EXPOSED NEW AND EXISTING STRUCTURAL STEEL TO BE PAINTED AS PER ARCHITECTURAL SPECIFICAITONS.



ROOF FRAMING PLAN

A / S-103

1/8" = 1'-0"

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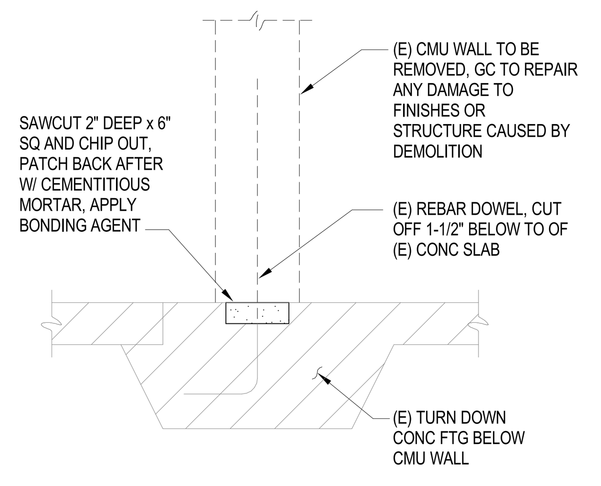
PLANS

S-103

Scale 1/8" = 1'-0"



1 S-202 **SECTION**
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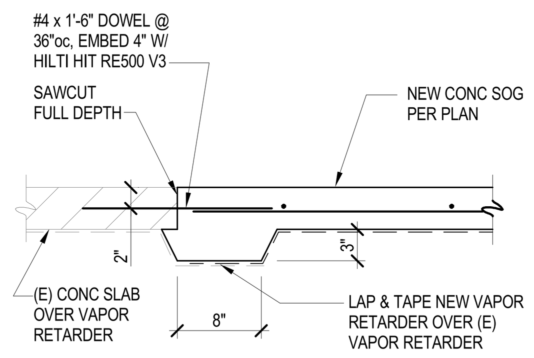

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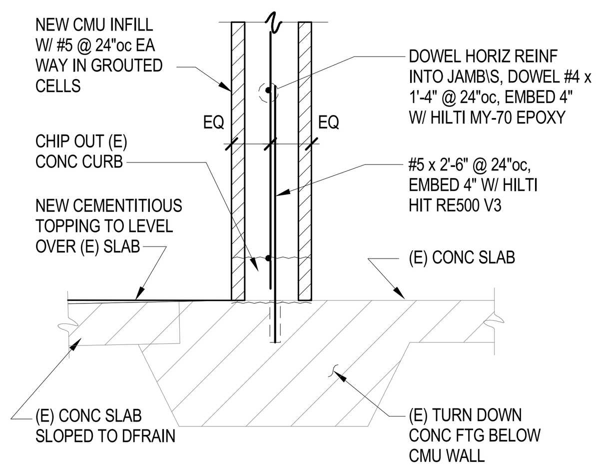

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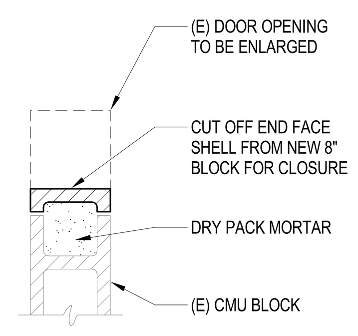

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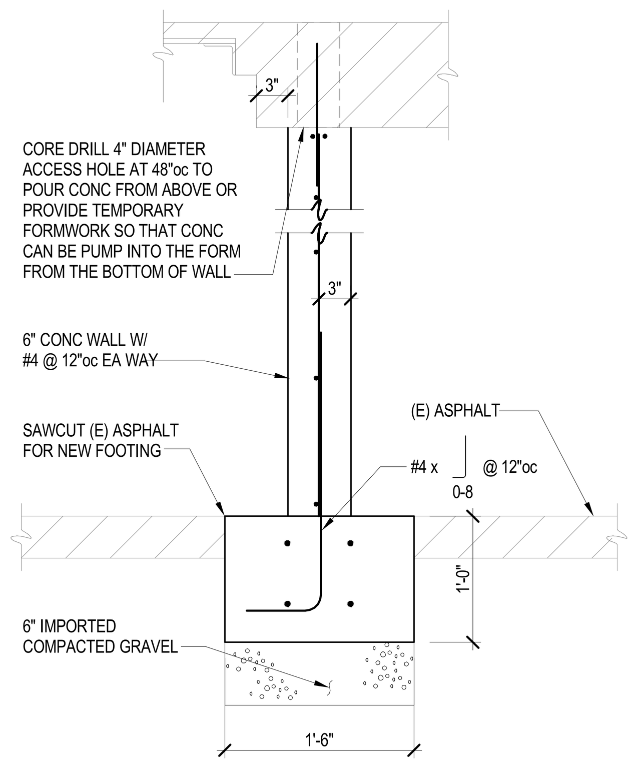

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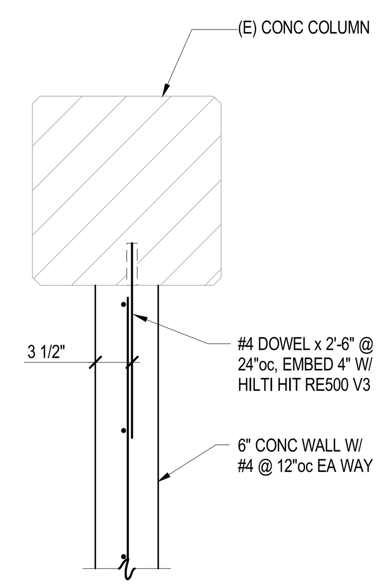

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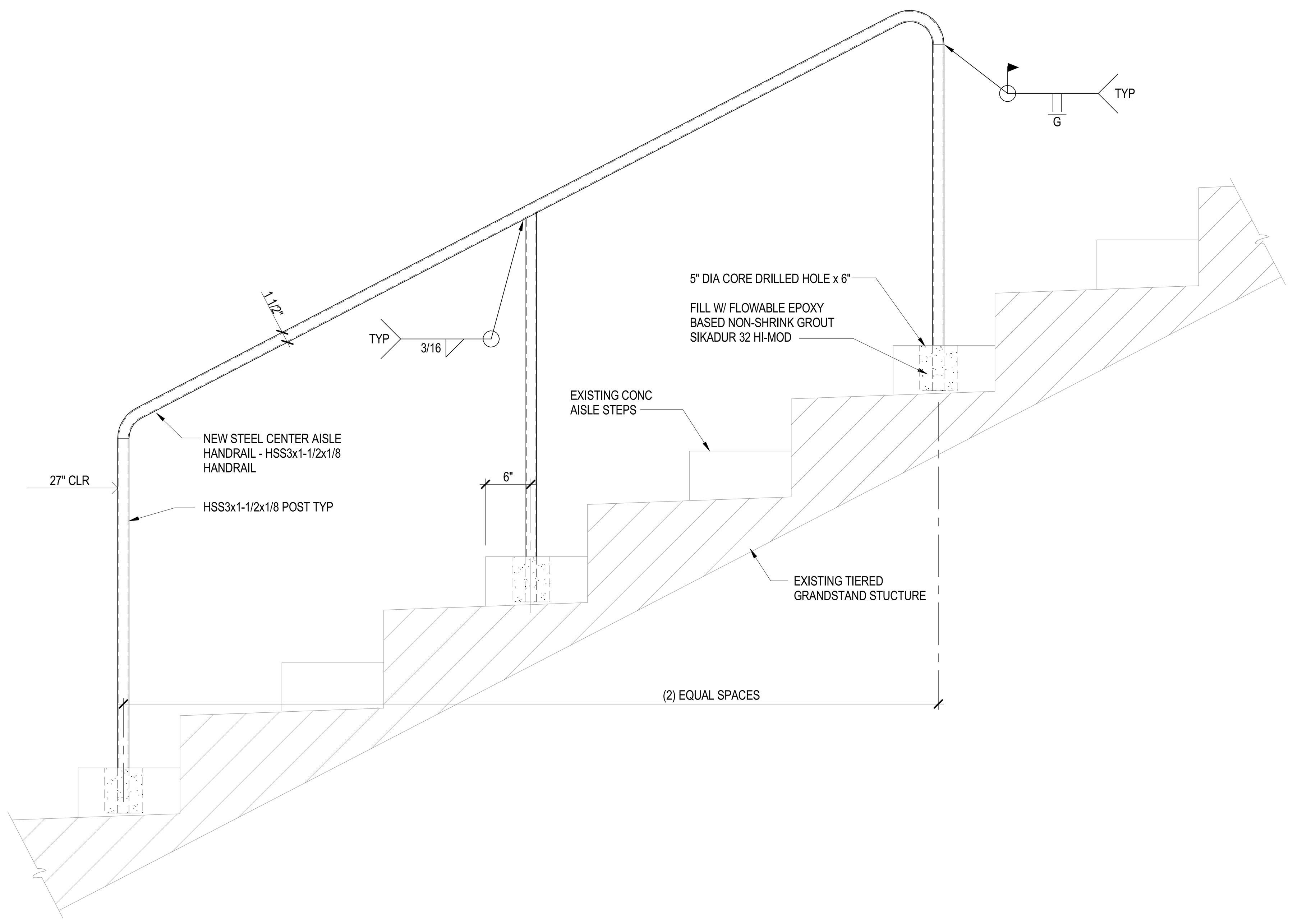
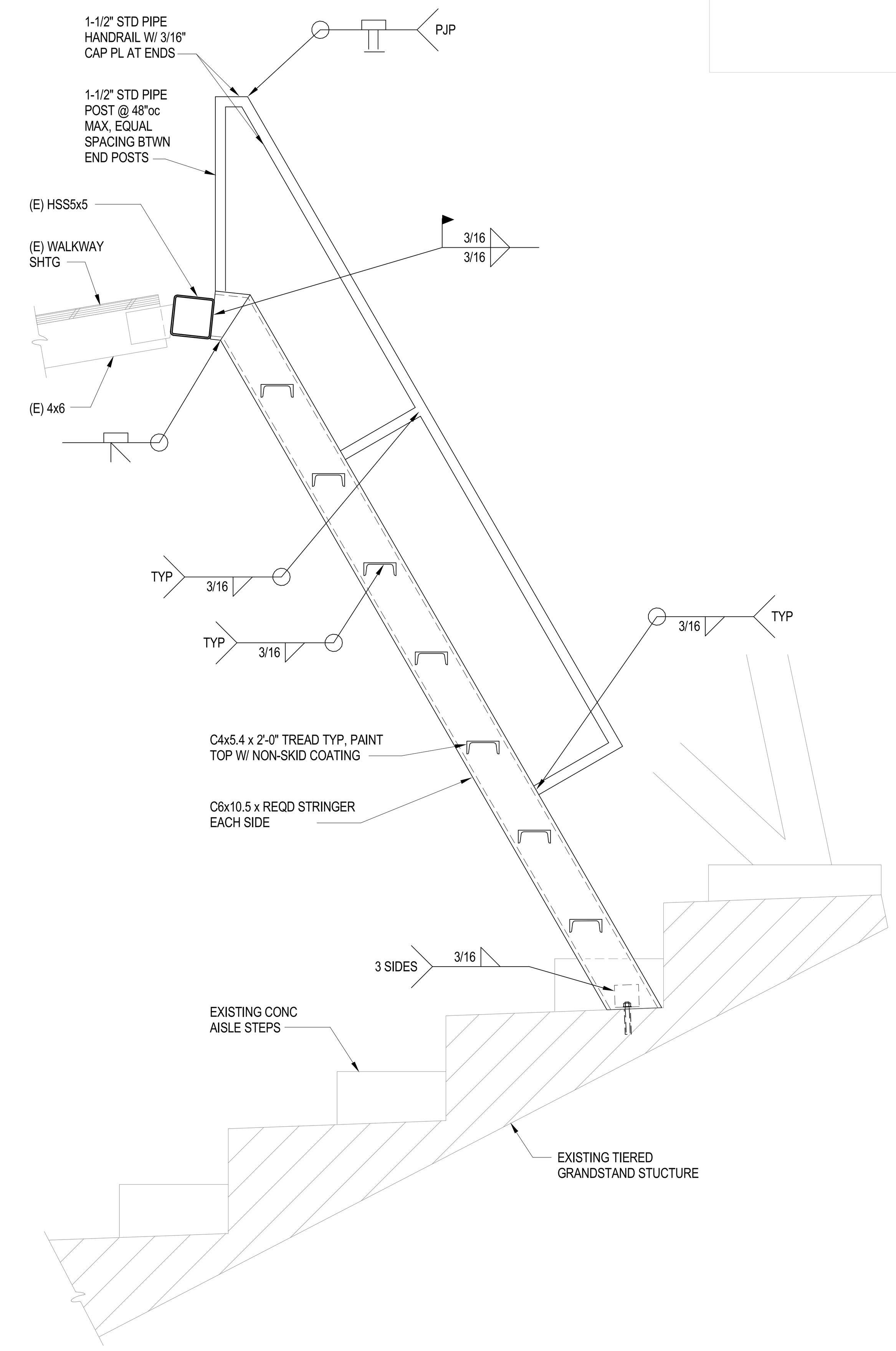


7 S-202 **SECTION CENTER AISLE HANDRAIL**
1" = 1'-0"



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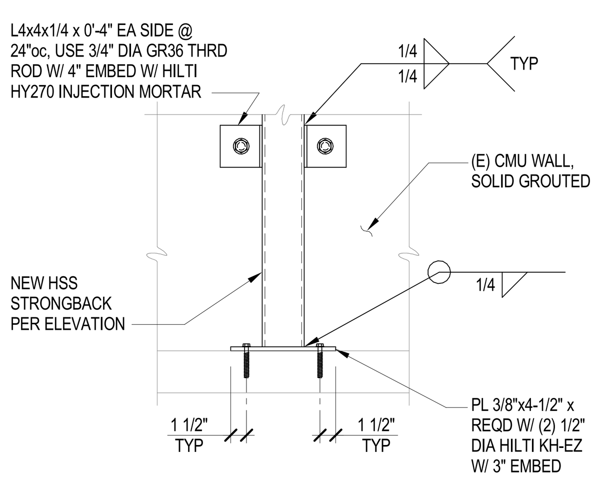

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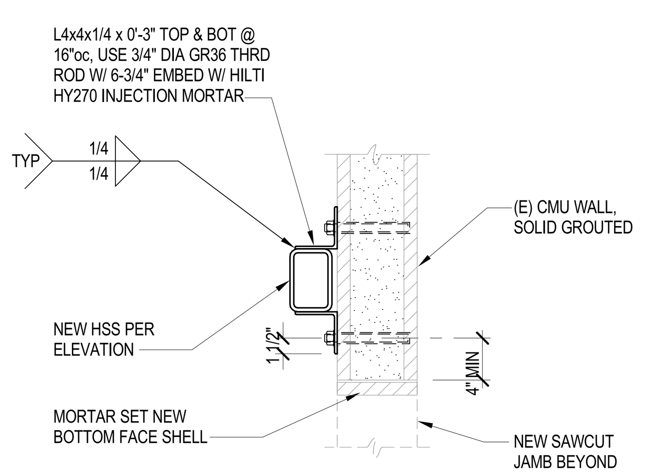

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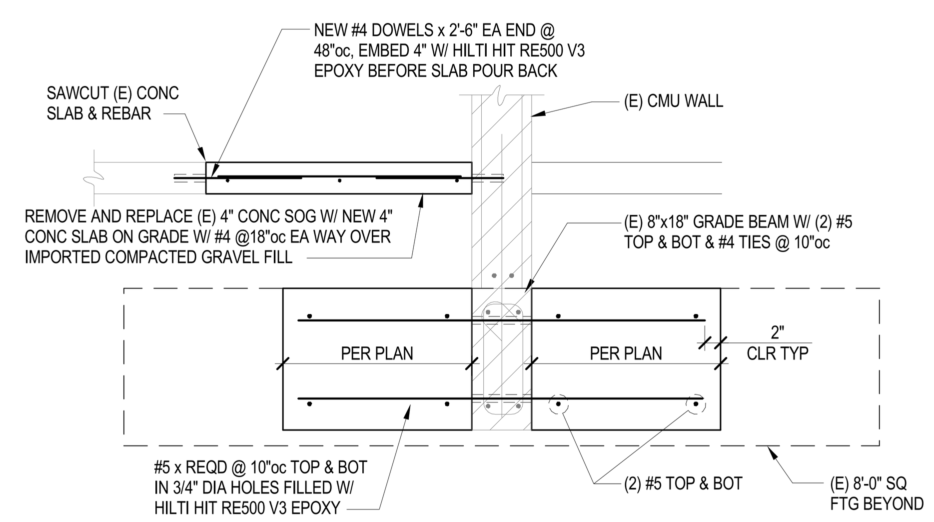

11 S-202 **SECTION**
3/4" = 1'-0"

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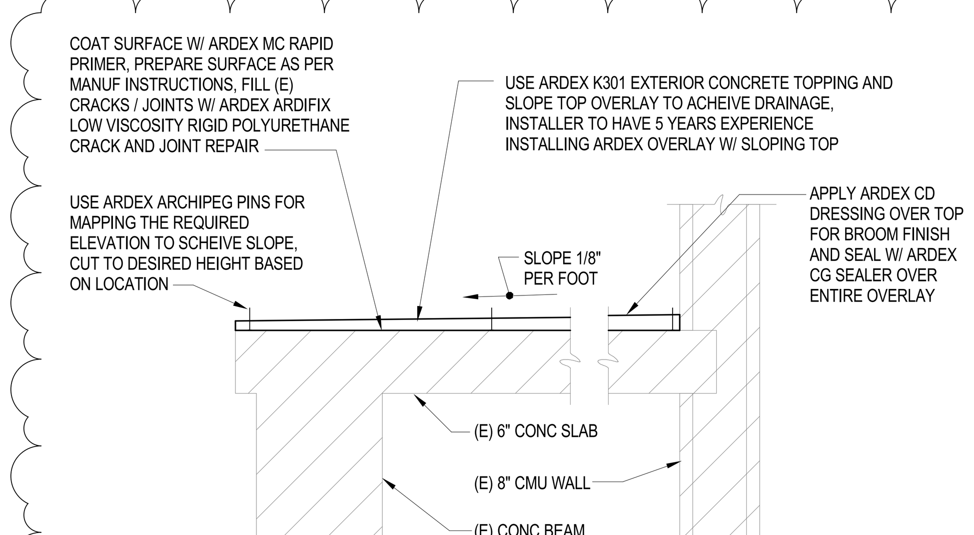

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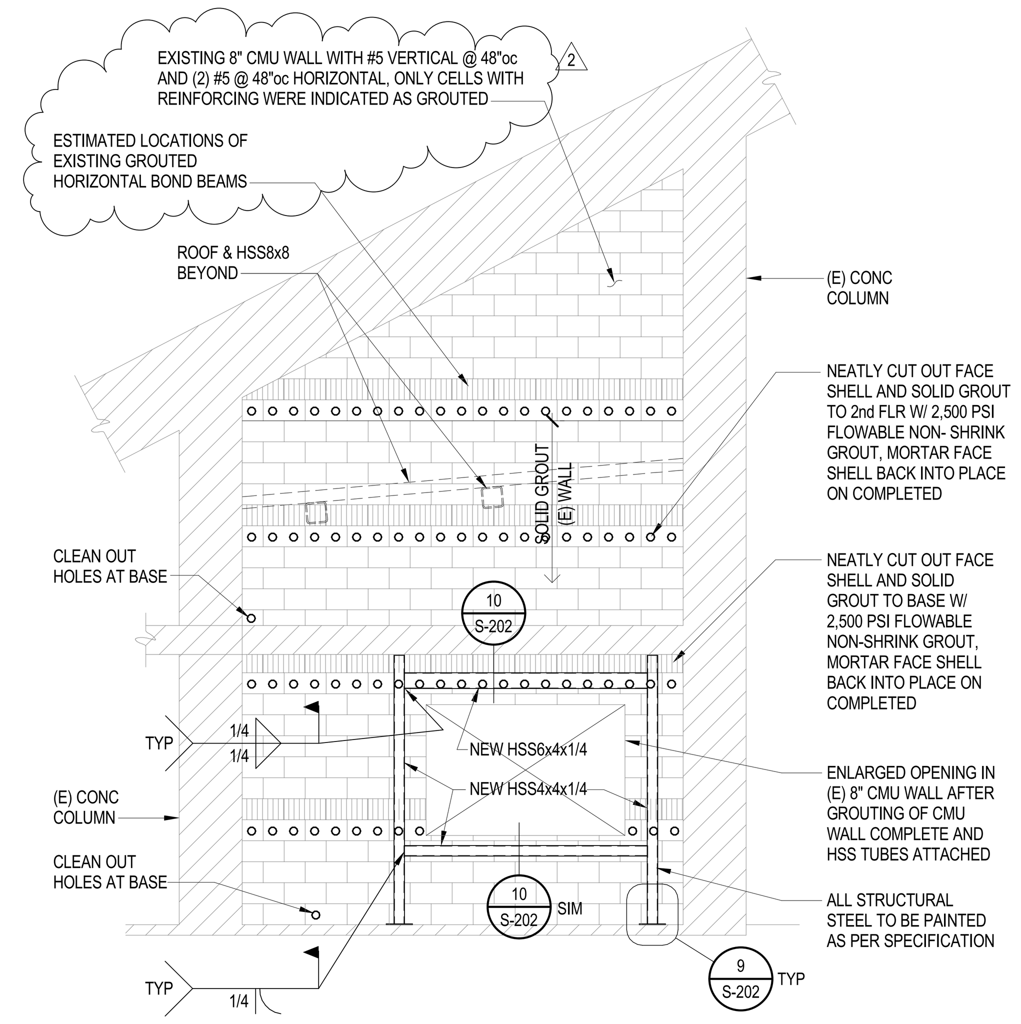

A S-202 **CMU WALL ELEVATION**
1/4" = 1'-0"

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GRANDSTAND DETAILS

S-202

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