



**ROCKFORD BOARD OF EDUCATION  
INVITATION FOR BID ON SUPPLIES, MATERIALS, EQUIPMENT OR SERVICES  
FOR SCHOOL DISTRICT NO. 205  
ROCKFORD, ILLINOIS**

IFB No.        **16-14 Auburn High School ADA Lift**

DATE:        **Tuesday, September 15, 2015**

RE:        **ADDENDUM NO. 1**

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To All Bidders:

Attached are modifications, clarifications and/or corrections for the Project Manual and are hereby made a part of the contract documents. Please attach this addendum to the Project Manual(s) in your possession. Please note the receipt of this addendum on the bid form. Bidders shall review changes to all portions of this work as changes to one portion may affect the work of another.

Refer all questions relative to the business aspect, Instructions to Bidders, Special Conditions, and questions concerning the technical aspect of the documents to the Purchasing Process Manager by email at [tamara.pugh@rps205.com](mailto:tamara.pugh@rps205.com).



4615 E. State Street Suite 206 Rockford Illinois 61108  
815 / 397-3330

## **ADDENDUM NO. 1**

Project: **Auburn High School Gym Lift and ADA Toilets**  
Project Numbers: C1741-9

To: All Bidders

This addendum is issued to modify, clarify, or correct the original Project Manual and/or Drawings and is hereby made a part of the contract documents. Please attach this addendum to the Project Manual(s) in your possession. Please note the receipt of this addendum on the bid form. Bidders shall review changes to all portions of this work as changes to one portion may affect the work of another.

### Attachments

1. Addendum Documents- Specification and Drawing Clarifications  
(25 pages)

**To:** All plan holders

**Project:** **Auburn High School Gym Lift and ADA Toilets**  
**Subject:** Addendum **No. 1**

**Owner:** RPS 205  
501 7th Street  
Rockford, IL 61104

**Architect:** Hagney Architects, LLC  
4615 East State St Suite 206  
Rockford, IL 61108  
Hagney Project No. 1742

This addendum forms a part of the Bidding and Contract Documents and modifies the original Bidding Documents: Drawings and Project Manual dated 08.31.15. Acknowledge receipt of this addendum in space provided on Bid Form. **FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDA ON THE BID FORM MAY DISQUALIFY BID.**

This Addendum *may* include revised Project Manual pages and/or Drawings that are to be inserted in the correct sequence in the Bidding Documents.

Text deleted from the Project Manual by this Addendum is indicated by overstrike. Example: ~~Overstrike~~  
**Bold lettering indicates lines in which text has been modified or added by this Addendum.**

Revisions to Drawings are identified by the Addendum number.

Cross-check all revised documents with the following:

**GENERAL COMMENTS:**

1. Due to a corrupt PDF file, printing issues were verbally noted. See attached Drawing PDF file. No changes have been made to the drawings, other than the new PDF.
2. See attached Pre-bid Meeting Minutes for questions and answers/clarifications asked during the meeting.

**BIDDING RFI'S:**

**001-BRFI** "We have some questions before the mandatory pre-bid lift installation at Auburn High School."

1. Does the District prefer the installation of a Wheelchair Lift or Limited Use Limited Access Lift?
2. What is the specified rise of the lift?
3. What is the specified capacity?
4. Is length and width of the platform specified if the District seeks Wheelchair Lift install?

**001-BRFI RESPONSE:**

*See attached revised specification section 14425 and drawings for information.*

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**002-BRFI** "...Please take a look at our information to add American Dryer's EXTREMEAIR- GXT9-M..."

**002-BRFI RESPONSE:**

*American Dryer EXTREMEAIR GXT9-M is **not** accepted, however model GXT9-C (steel satin chrome) is accepted with ADA-RK Recess Kit, as an equal to the specified Xlerator XL-C/40502.*

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**003-BRFI** "Propose additional vendor for wheelchair Lift. Savaria Vertical Platform Lift Model V1504"

**003-BRFI RESPONSE:**

*Savaria is an acceptable manufacturer. Subject to the "basis of design" Garaventa model listed on the drawings and in revised specification in Addendum #1.*

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**PROJECT MANUAL**

***The following new (sections are) issued herewith:***

Section	Title	Pages
Section 14425	Vertical Wheelchair Lifts	6

**DRAWINGS**

***Drawing Changes: The Drawings shall be revised as follows:***

**Sheet A1.0 (Written Change Only)**



- Key Note #9: add to note- "wall tile to extend to face of lift door jamb."
- Key Note #15: replace "cement board" with "two layers of 5/8" Impact-resistant DensArmor Plus GWB or Equal"
- Key Note #17: replace "4" CMU" with "6" MTL Studs @ 16" O.C. W/ two layers of 5/8" Impact-resistant DensArmor Plus GWB or Equal- Paint, 8" above ceiling"
- Key Note #18: replace "6" CMU" (at lift door walls only) with "5" MTL Studs @ 16" O.C. W/ one layer of 5/8" Impact-resistant DensArmor Plus GWB or Equal- Paint"

**Sheet A1.1** (*Written Change Only*)

- At Heading "2 NEW ADA TOILET PLAN", ADD note #13 "Plumbing vent thru floor and roof above. Include 4" CMU enclosure to 6" above ceiling (at GYM balcony/classroom level) See note #21 sheet P1.1.0"
- At Heading "6 NEW ADA TOILET- REFLECTED CEILING PLAN", ceiling patch (if required) is graphically shown as ACT/Grid. The ceiling in the stairs is "plaster", not grid.

**ATTACHMENTS**

***Revised or Added Full Size Drawing Sheets are reissued herewith:***

Pre-bid Meeting Agenda 09.14.15

Pre-bid Meeting Sign-In Sheet 09.14.15

Pre-bid RPS Opening Statement 09.14.15

Pre-bid Meeting Minutes 09.14.15

Specification Section 14425- Vertical Wheelchair Lifts

Auburn High School Gym Lift and ADA Toilets - Bound PDF Drawings

**END OF ADDENDUM NO. 1**

**Mandatory Pre-Bid Meeting**

RPS 205 Bid No. 16-14

**LOCATION:** Auburn High School

**PRE-BID DATE & TIME:** Monday Sept 9, 2015 @ 4pm

**AGENDA**

**1. INTRODUCTION**

- a. Sign-In Sheet
- b. Date/Time/Place of Bid Opening  
Tuesday, September 29, 2015 at 2:00 p.m., Rockford Board of Education,  
3rd floor Conference Room 2, 501 Seventh St., Rockford, IL 61104
- c. Owner: Rockford Public School District #205  
Tamara Pugh, Purchasing Process Manager [tamara.pugh@rps205.com](mailto:tamara.pugh@rps205.com)  
Jennifer Deuth Fritts, Capital Project Architect  
Trenton J. Sefton, Capital Project Manager
- d. Architect: Hagney Architects, LLC  
Frank St. Angel
- e. Engineers: CS2 Design Group, LLC

**2. BIDDING PROCEDURES**

- a. Tax Exempt
- b. Permit (s): By RPS 205
- c. Bidding RFI Procedure  
EMAIL ONLY- MUST be sent to Tamara Pugh [tamara.pugh@rps205.com](mailto:tamara.pugh@rps205.com)
- d. Last Bidding RFI Date: **THURSDAY September 23, 2015 @ 12 noon**
- e. Bid Documents: Dated 08.31.15 Issued for Bid and Permit
- f. Bidding Requirements

**3. PROJECT OVERVIEW**

- a. Scope
- b. Work Areas
- c. Mile Stone Dates
- d. Working on Site- before school hours, during and after
- e. Staging/Material Storage Requirements
- f. Access/Use of Building and/or Site

**4. PROJECT REQUIREMENTS**

- a. Meetings- Weekly
- b. Close Out/AS-Built Documents
- c. Criminal History Documentation
- d. Inspections

**5. GENERAL QUESTIONS**

**6. WALK THRU**

## PRE-BID CONFERENCE OPENING STATEMENT

Welcome to the mandatory pre-bid conference for 16-14 Auburn High School - Gym Lift and ADA Toilet Rooms for the Rockford Public Schools.

The purpose of this meeting is to receive input, comments, questions, clarifications and suggested changes relative to this solicitation. As a reminder, the only acceptable changes to the Bid/RFP are formal Addendums published by the RPS Purchasing department. Additionally, the Addendum may address other issues identified by the School District.

The goal of today's meeting is to increase your knowledge of the solicitation as it is written and provide an information mechanism in which you may advise the School District of any changes it should make. Consequently, any changes you wish the Rockford Public Schools to consider must be submitted in writing to the Purchasing department before the deadline as expressed in the solicitation.

We will try to answer as many of the questions as possible. If we cannot answer a question today, we will defer that answer to the published Addendum. Additionally, minutes from this pre-bid conference will be published in the Addendum.

- Bid Opening is scheduled for Tuesday, September 29, 2015 at 2:00 pm Rockford Board of Education, 3rd floor Conference Room. Late bids will not be accepted. Faxed or emailed bids will not be accepted.
- Board Approval October 13, 2015
- Bid RFI Procedures - Email Only - All correspondences during the bid process MUST be sent to Tamara Pugh, Purchasing Process Manager at [tamara.pugh@rps205.com](mailto:tamara.pugh@rps205.com) Last RFI will be accepted until Thursday, September 23, 2015 at 12 pm.
- Addenda will be emailed to all attendees at the pre-bid conference, posted on the RPS website, Demand Star and the 3 printing companies.
- PLEASE reference the **REQUIRED FORMS CHECK LIST** for all documents that must be submitted with your bid offer form. All forms must be properly completed, signed and submitted or your bid will be deemed non-responsive. 5% Bid bond for the Base bid to be included.

I will turn it over to the Architect for summary of the project.



## **RPS 205 Auburn High School Gym Lift and ADA Toilets**

### **PRE-BID MEETING MINUTES**

Date: Monday, September 15, 2015

Time: 4:00 PM

Location: Auburn High School Athletic Lobby

PROJECT NAME: Auburn High School ADA Lift and ADA Toilets

Bid Number: 16-14

Attendees: See Attached Sign-In

Meeting Purpose: Mandatory Pre-Bid Meeting

#### **A. INTRODUCTION**

##### **1. Meeting Sign-In Sheet**

All bidders were invited to sign in. If a bidder does not sign in to mandatory meeting today, it will result in their bid not being accepted on the bid date.

##### **2. Pre-Bid Conference Opening Statement**

Jennifer Deuth Fritts explained the purpose of the meeting is to receive comments on the documents, help explain the documents for the solicitation of competitive bids. All Requests for Information (RFI) need to be issued in writing to Tamara Russey. The responses will be issued in subsequent addenda via email. Jennifer urged bidders to review the required forms checklist. Unless all forms are included, the District cannot accept bid.

##### **3. Bid Number/Bid Date/Place of Bid Opening**

- a. RPS Bid Number: 16-14
- b. Bid Date: Tuesday, September 29, 2015 at 2:00 pm
- c. Place of Bid Opening: RPS Administration Building @501 7th Street, 3rd Floor Conference Room, Rm 2 Rockford IL
- d. Refer to the specifications front end documents for additional information
  1. Tamara Russey, Purchasing Process Manager Tamara.Russey@RPS205.com

#### **B. PROJECT PROCEDURES**

##### **1. Bidding RFI Procedures**

- a. EMAIL ONLY - All correspondence must be sent to Tamara Russey Tamara.Russey@RPS205.com
- b. Last RFI Submittal date: Thursday, September 23 at noon. RFI must be in receipt by Ms. Russey at this time.

##### **2. Bidding Requirements**

- a. see specifications
- b. Faxed/Emailed Bids: Will NOT be accepted

## C. PROJECT OVERVIEW

### 1. Project Scope

#### a. Work Areas / Milestone Dates

Discussion of the scope of the ADA toilet rooms (old ticket room) and ADA lift (old gym partition pocket). Dates are listed in the specification and on the bid form.

	<b>Auburn HS: ADA Lift</b>	<b>Auburn HS: ADA Toilet Rooms</b>
Commence Work on:	<b>10.16.15</b>	<b>10.16.15</b>
Substantial Completion:	<b>12.14.15</b>	<b>11.16.15</b>
Final Completion:	<b>12.30.15</b>	<b>12.01.15</b>

#### b. Working on Site

Work hours before and after school, as well as into the evening can be worked out with the District. Normal working hours are 7-3:30. Amendments may be made so long as they comply with the local noise ordinance.

#### c. Staging / Material Storage Requirements

Staging and Material Storage will be allowed on site, the location will be determined at start of construction.

#### d. Access/Use of Building and/or Site

Contractor is expected to coordinate work within the parameters of a functioning high school. Safety of the Students needs to be accounted for with protection of openings and work areas.

## D. Project Requirements

### 1. Meetings- Weekly

### 2. Close out-BHFX

Contractors are expected to submit record copies of field sets to BHFX for the District's archiving purposes.

### 3. Criminal History

All contractors on site are subject to compliance with the District's background check policy.

### 4. Inspection

A third party inspection service agency will be contracted by the Owner. The project is exempt from local municipal inspections, however the project will require third party inspections. Contractor is responsible for providing documentation and coordination as required to the inspector.

## E. General Questions

### 1. Q: HVAC PDF's on the District's website cannot be printed...files corrupt?

A: PDF's will be posted with Addendum #1

### 2. Q: Roof Warranty?

A: Plumbing vent line installation will be thru the existing gym balcony roof.

Distinctive Roofing is under contract with the District, the GC is to contact Distinctive

prior to any penetration for coordination of work. Distinctive Roofing will patch-in any penetrations.

3. **Q: At the Lift, drawings show CMU for the shaft enclosure. How do we account for the void between the lift doors and the rough opening required by the lift manufacturer?**

A: After discussion about coordination, or installation of the door frame first, then block in-filling around, it was decided to revise ALL the CMU construction at the **ADA Lift** to be metal stud with GWB/Impact resistant GWB. Revision will be given in ADDENDUM #1.

4. **Q: Specification for the vertical platform lift and drawings show different lifts...which one is it?**

A: The Basis of Design is correct on the drawings, a revised Specification Section will be included in Addendum #1:

**VERTICAL PLATFORM LIFT- TWO STOP W/HYDRAULIC DRIVE SYSTEM. 18SF MAX PLATFORM SIZE (LARGE). 6'-8 1/2" TRAVEL DISTANCE. 180° ENTRY/EXIT. 90MIN POWER OPERATED DOORS. GARAVENTA LIFT- GENESIS SHAFTWAY, OR ARCHITECT APPROVED EQUAL.**

5. **Q: Can we come back to view the project areas another day also?**

A: Yes, check -in and check-out at the main entrance security desk.

6. **Q: Full time project supervision?**

A: YES REQUIRED, per AIA A201 section 3.9.1

7. **Q: Liquidated Damages?**

A: Not included

8. **Q: Lift lead time is about 8 weeks, is this accounted for in the schedule? What if lead times are longer?**

A: We were told that lead times can be about 5 weeks from approved shop drawings, if longer the District will be understandable and adjust the LIFT schedule accordingly. **However, it is imperative that the ADA toilets be complete when stated.**

9. **Q: Budget?**

A: It is board policy not to disclose preliminary budget numbers

10. **Q: Two BASE BIDS, potentially this could be two GC's?**

A: Yes, Base Bid "A"- ADA Lift, BASE Bid "B"- ADA Toilets and COMBINED BASE Bid "C".

11. **Q: Dumpster location?**

A: Can locate after bidding, however will need to avoid bus and fire lanes

The above notes constitute the understanding by Hagney Architects of this meeting content.  
Please advise this office of any error or omission.

Prepared by:



**Frank St. Angel**, AIA, NCARB, LEED-AP  
Hagney Architects, LLC





# PRE-BID MEETING SIGN-IN SHEET

IFB # 16-14 Auburn High School - Gym Lift and ADA Toilet Rooms

Monday, September 14, 2015 at 4:00 pm (CDST)

	Printed Name	Company Name	Company Address	Telephone	E-mail
1	Garry Hanson	LLBI	5612 INDUSTRIAL AVE	815-633-1773	BARRY@LCBulldozer.com
2	Scott Sibley	Sjostrom	1124 Harrison Ave, Rockford	815-378-4244	prandolph@sjostromconstruction.com
3	Jeff Bocklop	Stenstrom General Const.	2420 20th St Rockford IL	815-398-2420	jeffb@rstenstrom.com
4	Jim Frykholm	STENSTROM	" "	" "	jimf@rstenstrom.com
5	Phil Copus	WINTER CONSTRUCTION	1840 S. WALNUT AVE FREEPORT	815-235-1234	PCOPUS@WINTERCONSTRUCTION.COM
6	Chris Reyenga	Rockford Structures Construction Comp	10540 N. Second St Machesney Park, IL 61115	815-633-6161	creyenga@rockfordstructures.com
7	Jennifer Deuth Fritts	RPS 205	1907 KISHWAUKEE, ROCKFORD, IL	815-209-8598	jennifer.deuthfritts@rps205.com
8	Sean Norton	RPS 205 / AUBURN HS			

9 Frank St. Angel

Hagney Architects, LLC

Auburn High School - Gym Lift & ADA Toilet Rm

SECTION 14425  
VERTICAL WHEELCHAIR LIFTS  
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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Shaftway Vertical Wheelchair Lift.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete: Concrete shaftway and anchor placement.
- B. Section 04800 - Masonry Assemblies: Masonry shaftway and anchor placement.
- C. Section 06100 - Rough Carpentry: Blocking in framed construction for lift attachment.
- D. Section 09260 - Gypsum Board Assemblies: Gypsum board shaftway.
- E. Division 16 - Electrical: Dedicated telephone service and wiring connections.
- F. Division 16 - Electrical: Lighting and wiring connections at top of shaft.
- G. Division 16 - Electrical: Electrical power service and wiring connections.

1.3 REFERENCES

- A. ASME A17.1 - Safety Code for Elevators and Escalators.
- B. ASME A17.5 - Elevator and Escalator Electrical Equipment.
- C. ASME A18.1 - Safety Standard for Platform Lifts and Stairway Chairlifts.
- D. CSA B44 - Safety Code for Elevators and Escalators.
- E. CSA B355 - Lifts for Persons with Physical Disabilities.
- F. ICC/ANSI A117.1 - Accessible and Usable Buildings and Facilities.
- G. NFPA 70 - National Electric Code.
- H. CSA - National Electric Code.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Submit manufacturer's installation instructions, including preparation, storage and handling requirements.
  - 2. Include complete description of performance and operating characteristics.



## Auburn High School - Gym Lift &amp; ADA Toilet Rm

3. Show maximum and average power demands.

C. Shop Drawings:

1. Show typical details of assembly, erection and anchorage.
2. Include wiring diagrams for power, control, and signal systems.
3. Show complete layout and location of equipment, including required clearances and coordination with shaftway.

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

## 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm with minimum 10 years experience in manufacturing of vertical platform lifts, with evidence of experience with similar installations of type specified.
- B. Installer Qualifications: Licensed to install equipment of this scope, with evidence of experience with specified equipment. Installer shall maintain an adequate stock of replacement parts, have qualified people available to ensure fulfillment of maintenance and callback service without unreasonable loss of time in reaching project site.

## 1.6 REGULATORY REQUIREMENTS

- A. Provide platform lifts in compliance with:
1. ASME A18.1 - Safety Standard for Platform Lifts and Stairway Chairlifts.
  2. ASME A17.1 - Safety Code for Elevators and Escalators.
  3. ASME A17.5 - Elevator and Escalator Electrical Equipment.
  4. NFPA 70 - National Electric Code.
- B. Provide platform lifts in compliance with:
1. CSA B355 - Lifts for Persons with Physical Disabilities.
  2. CSA B44.1/ASME A17.5 - Elevator and Escalator Electrical Equipment.
  3. CSA - National Electric Code.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store components off the ground in a dry covered area, protected from adverse weather conditions.

## 1.8 PROJECT CONDITIONS

- A. Do not use wheelchair lift for hoisting materials or personnel during construction period.

## 1.9 WARRANTY

- A. Warranty: Provide a two year limited warranty for wheelchair lift materials and workmanship.
- B. Extended Warranty: Provide an extended manufacturer's warranty covering the wheelchair lift materials and workmanship for the following additional extended period beyond the initial two year warranty. Preventive Maintenance Agreement required.

## Auburn High School - Gym Lift &amp; ADA Toilet Rm

1. Five Years (7 years total).

**PART 2 PRODUCTS****2.1 MANUFACTURERS**

- A. Acceptable Manufacturer: Garaventa Lift; United States - P.O. Box 1769, Blaine, WA 98231-1769. Canada - 7505 134 A St., Surrey, BC V3W 7B3. ASD. Toll Free: 800-663-6556. Tel: (604) 594-0422. Fax: (604) 594-9915. Email: [productinfo@garaventallift.com](mailto:productinfo@garaventallift.com). Web: [www.garaventallift.com](http://www.garaventallift.com).
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

**2.2 SHAFTWAY VERTICAL WHEELCHAIR LIFT**

- A. Capacity: 750 lbs (340 kg) rated capacity.
- B. Mast Height:
  1. Model GVL SW -96; 99 inches (2515 mm) maximum lifting height.
- C. Nominal Clear Platform Dimensions:
  1. Large: 45 inches (1144 mm) by 60 inches (1522 mm).
- D. Platform Configuration:
  1. Straight Through Entry/Exit: Front and rear openings.
- E. Landing Openings:
  1. Lower Landing: Door.
  2. Upper Landing: Door.
- F. Door Construction:
  1. Fire Rated Doors: 1-1/2 hour B label rating. Pre-hung, constructed of 16 gauge (1.5 mm) steel, with a vision panel, delayed action door closer, pull handle and integrated interlock. Doors mount flush to the inside wall of the shaftway.
  2. Door Width:
    - a. Lower Landing:
      - 1) 35-5/8 inches (905 mm).
    - b. Upper landing:
      - 1) 35-5/8 inches (905 mm).
- G. Power Door Operator: Automatically opens the door/gate when platform arrives at a landing. Will also open at landing by pressing call button or by gently pulling door.
  1. ADA Compliant and obstruction sensitive.
  2. Low voltage, 24 VDC with all wiring concealed.
  3. Provide power operators at the following locations:
    - a. Lower Landing: Door.
    - b. Upper landing: Door or Gate.
- H. Lift Components:
  1. Machine Tower: Custom aluminum extrusion.

## Auburn High School - Gym Lift &amp; ADA Toilet Rm

2. Base Frame: Structural steel tubing.
  3. Platform Side Wall Panels: 16 gauge (1.5 mm) galvanized steel sheet. Custom aluminum extrusion tubing frame.
- I. Base Mounting and Access to Lift at Lower Landing:
1. Floor Mount: Base of lift shall be mounted on the floor surface of the lower landing. For access onto the platform provide a ramp of 16 gauge (1.5 mm) galvanized steel sheet with a slip resistant surface.
- J. Drive Mast Side Wall Panels: Provide 16 gauge (1.5 mm) galvanized panels and mounting hardware to cover the void between both sides of the mast and the side of the shaftway. Panels to cover the front and top of the void area to the height of the top surface of the drive mast.
- K. Hydraulic Drive:
1. Drive Type: Chain hydraulic.
  2. Emergency Operation: Manual device to lower platform and auxiliary battery power to raise or lower platform.
  3. Safety Devices:
    - a. Slack chain safety device.
    - b. Shoring device.
  4. Travel Speed: 17 fpm (5.2 m/minute).
  5. Motor: 3.0 hp (2.2 kW); 24 volts DC.
  6. Power Supply:
    - a. 120 VAC single phase; 60 Hz on a dedicated 15 amp circuit.
    - b. Powered by continuous building mains converted to 24 VDC equipped with auxiliary battery power system capable of running lift up and down for a minimum of 5 trips with rated load. Required for high usage lifts.
- L. Platform Controls: 24 VDC control circuit with the following features.
1. Direction Control: Illuminated tactile and constant pressure buttons with dual platform courtesy lights and safety light.
  2. Illuminated and audible emergency stop switch shuts off power to lift and activates audio alarm equipped with battery backup.
  3. Keyed operation.
  4. Emergency Telephone: Platform shall be equipped with ADA compliant autodialer telephone with a stainless steel faceplate. Telephone shall operate in the event of power failure. A telephone line shall be supplied to the lift site as specified under Division 16.
  5. Arrival Gong and Digital Floor Display.
- M. Call Station Controls: 24 VDC control circuit with the following features.
1. Direction Control: Illuminated and tactile constant pressure buttons with illuminated "in-use" indicator.
  2. Safety indicator lamp.
  3. Keyed operation.
  4. Call Station Mounting:
    - a. Lower:
      - 1) Wall mounted recessed.
    - b. Upper:

## Auburn High School - Gym Lift &amp; ADA Toilet Rm

## 1) Wall mounted recessed.

## N. Safety Devices and Features:

1. Grounded electrical system with upper, lower, and final limit switches.
2. At all landings a solenoid activated interlock shall electrically monitor that the door is in the closed position and the lock is engaged before lift can move from landing.
3. Pit stop switch mounted on mast wall.
4. Electrical disconnect shall shut off power to the lift.

## O. Finishes

1. Aluminum Extrusions: Champagne anodized finish.
2. Lift Finish: Baked powder coat finish as selected by the Architect from manufacturer's optional RAL color chart.

## PART 3 EXECUTION

## 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Verify shaft and machine space are of correct size and within tolerances.
- C. Verify required landings and openings are of correct size and within tolerances.
- D. Verify electrical rough-in is at correct location.
- E. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

## 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

## 3.3 INSTALLATION

- A. Install lifts in accordance with applicable regulatory requirements including ASME A 17.1, ASME A 18.1 and the manufacturer's instructions.
- B. Install lifts in accordance with applicable regulatory requirements including CSA B355, and manufacturer's instructions.
- C. Install system components and connect to building utilities.
- D. Accommodate equipment in space indicated.
- E. Startup equipment in accordance with manufacturer's instructions.
- F. Adjust for smooth operation.

Auburn High School - Gym Lift & ADA Toilet Rm

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



PROJECT:

# AUBURN HIGH SCHOOL

## GYMNASIUM LIFT and ADA TOILET ROOMS

5110 AUBURN STREET  
ROCKFORD, IL 61101

OWNER:



# ROCKFORD PUBLIC SCHOOL DISTRICT 205

501 7th STREET  
ROCKFORD, IL 61104

ISSUANCE:

08.31.15 ISSUED BID AND PERMIT



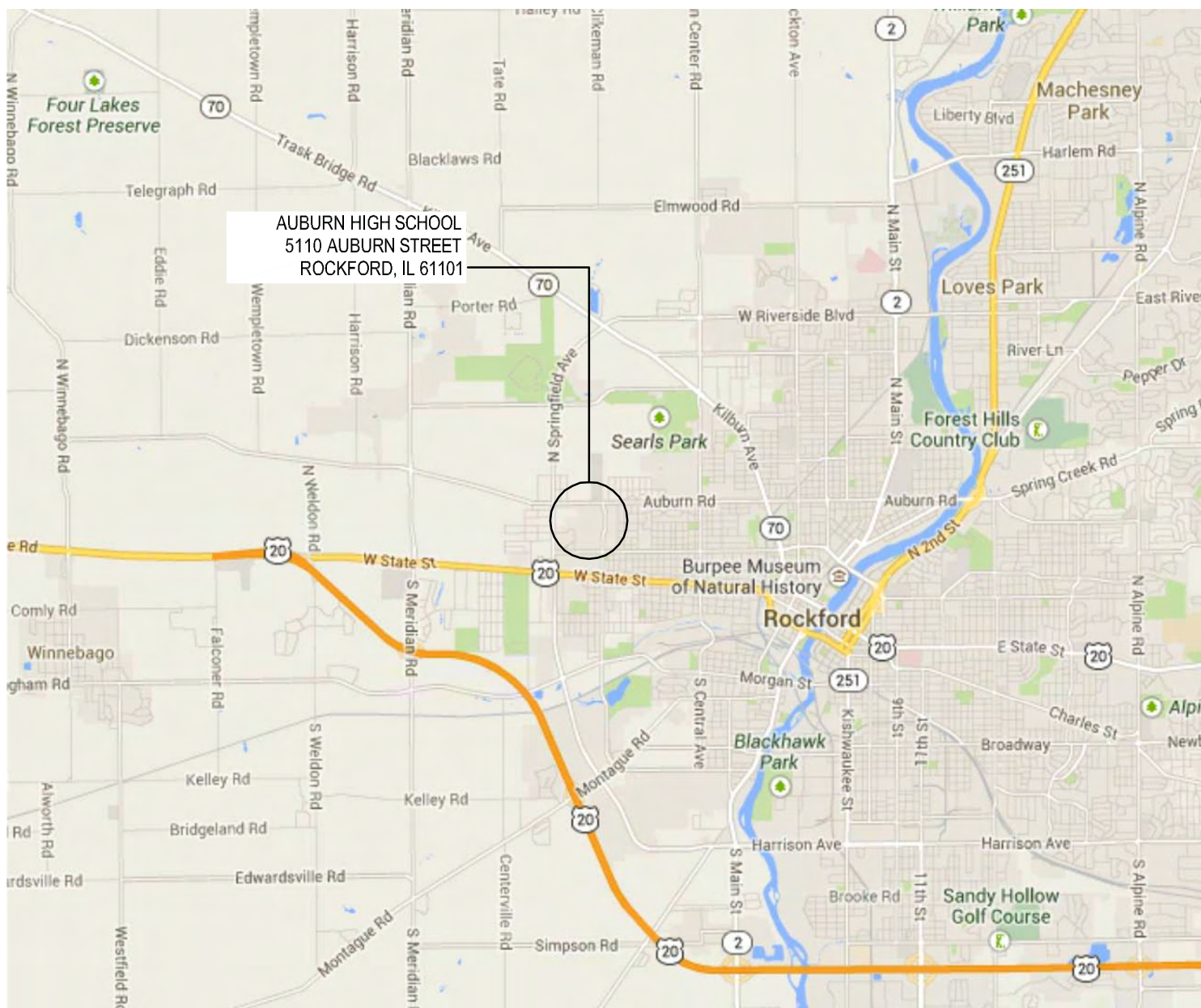
ARCHITECT

Hagney Architects LLC  
4615 East State Street #206  
Rockford, IL 61108  
Phone: 815.397.3330  
Fax: 815.397.0243

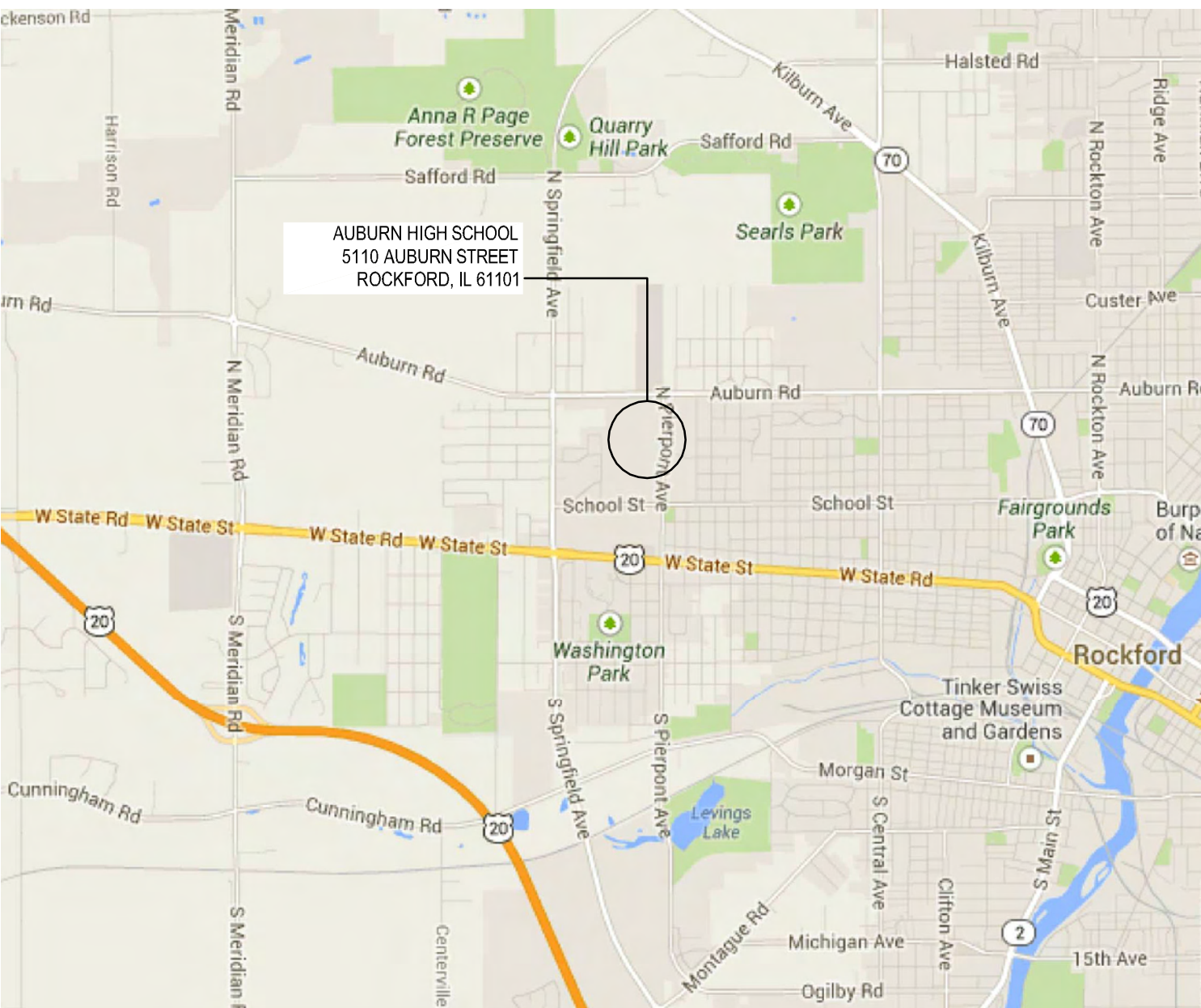


MECHANICAL/ELECTRICAL/PLUMBING ENGINEER

CS2Design Group  
837 Oakton Street  
Elk Grove Village, IL 60007  
Phone: 847.981.1880  
Fax: 847.981.1885

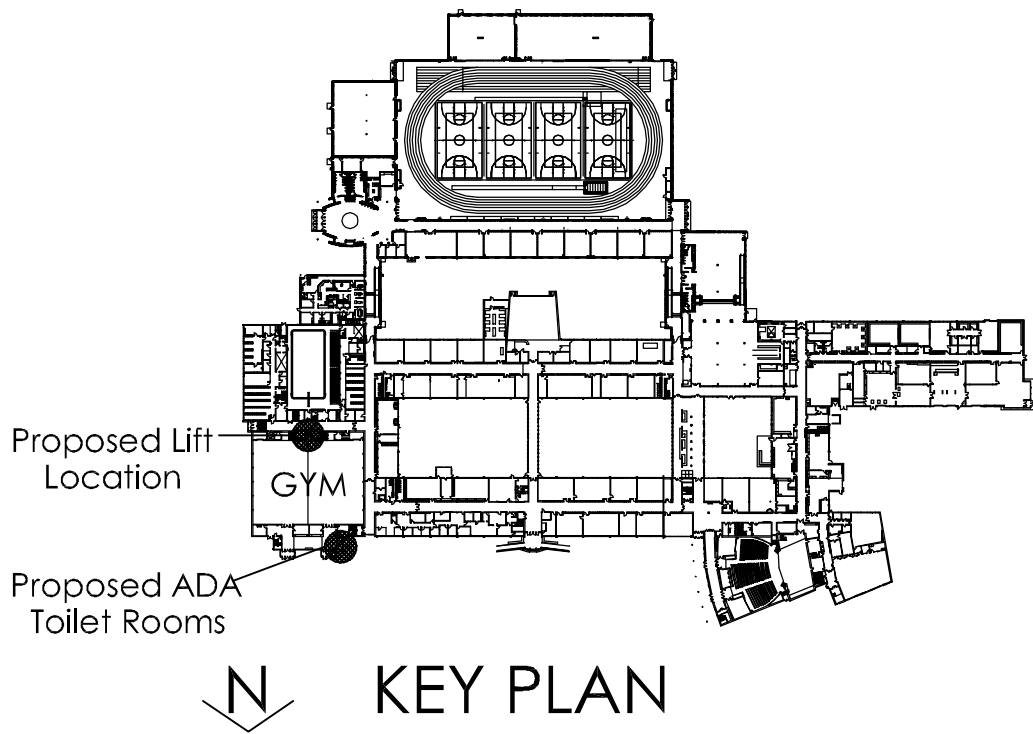


VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.

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COVER SHEET, PROJECT TEAM, DRAWING INDEX

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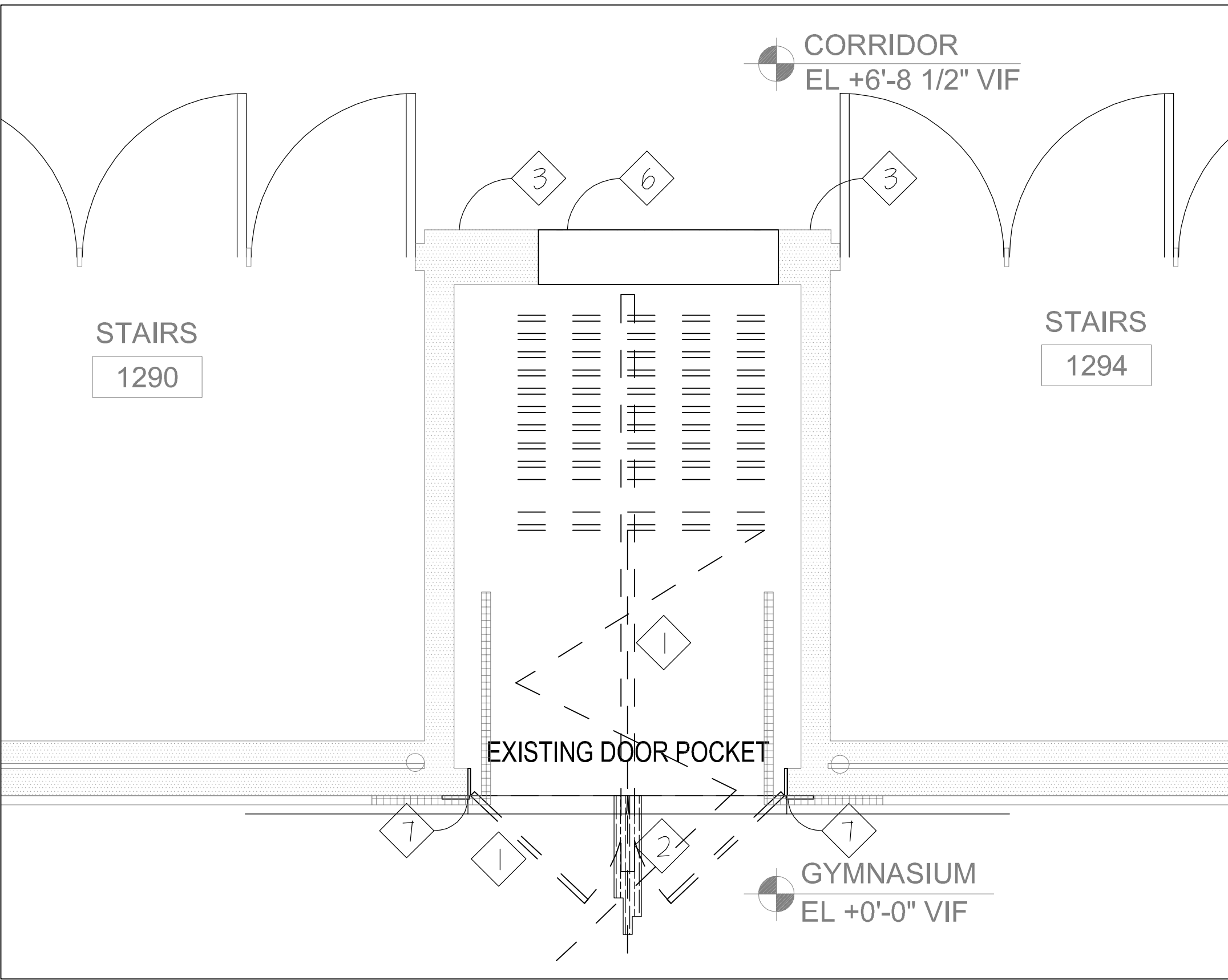
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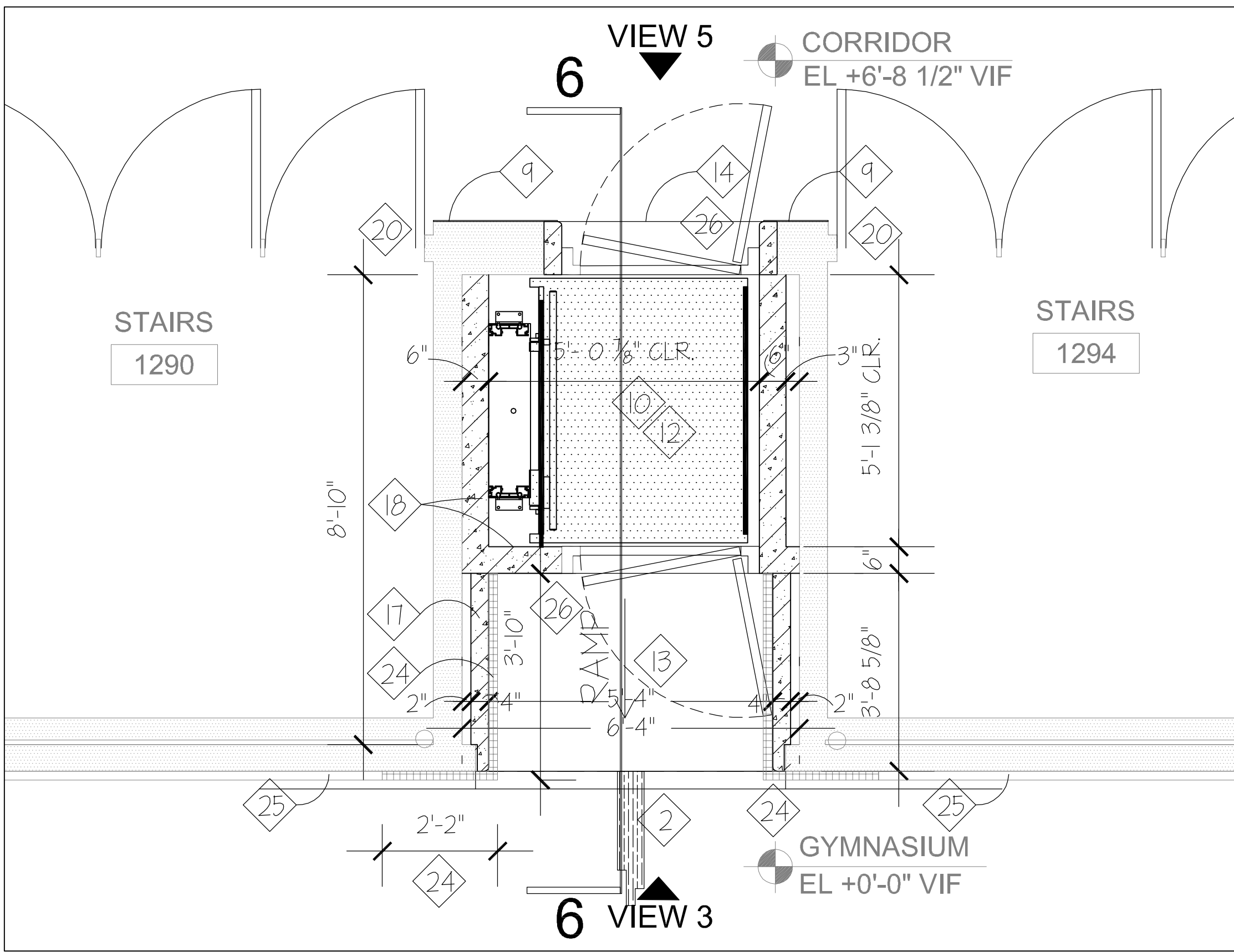
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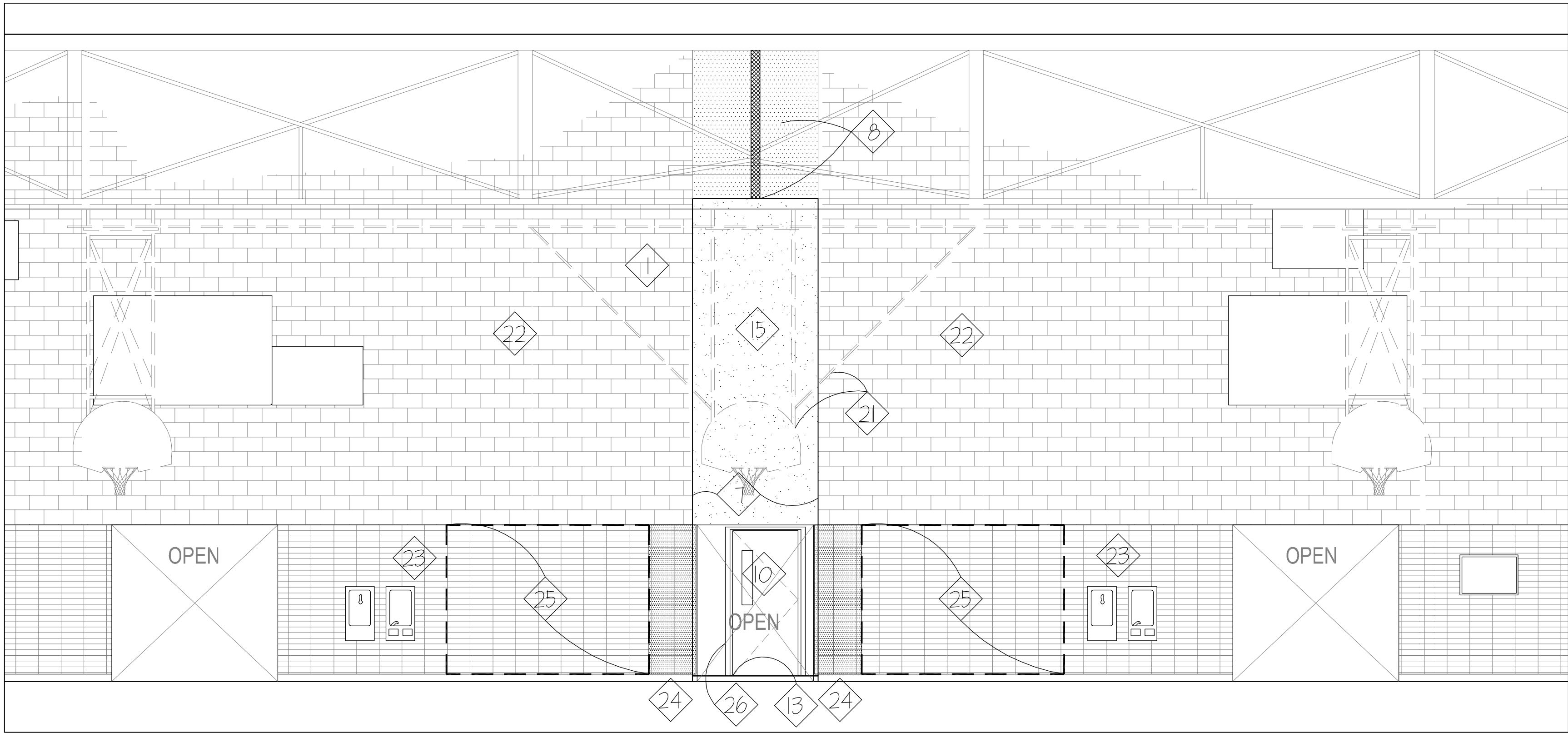
1 DEMO FLOOR PLAN

SCALE: 1/2" = 1'-0"



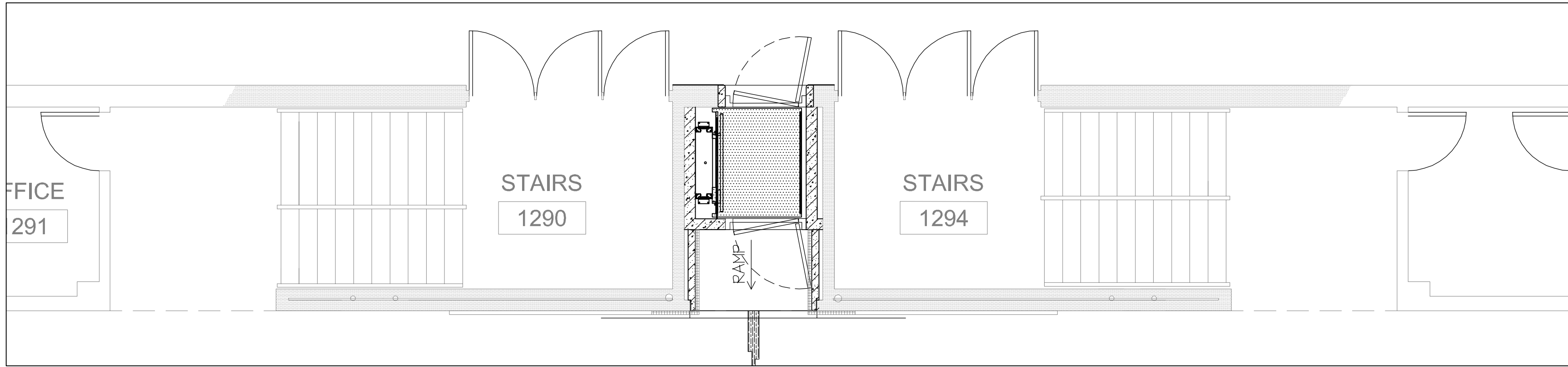
2 FLOOR PLAN

SCALE: 1/2" = 1'-0"



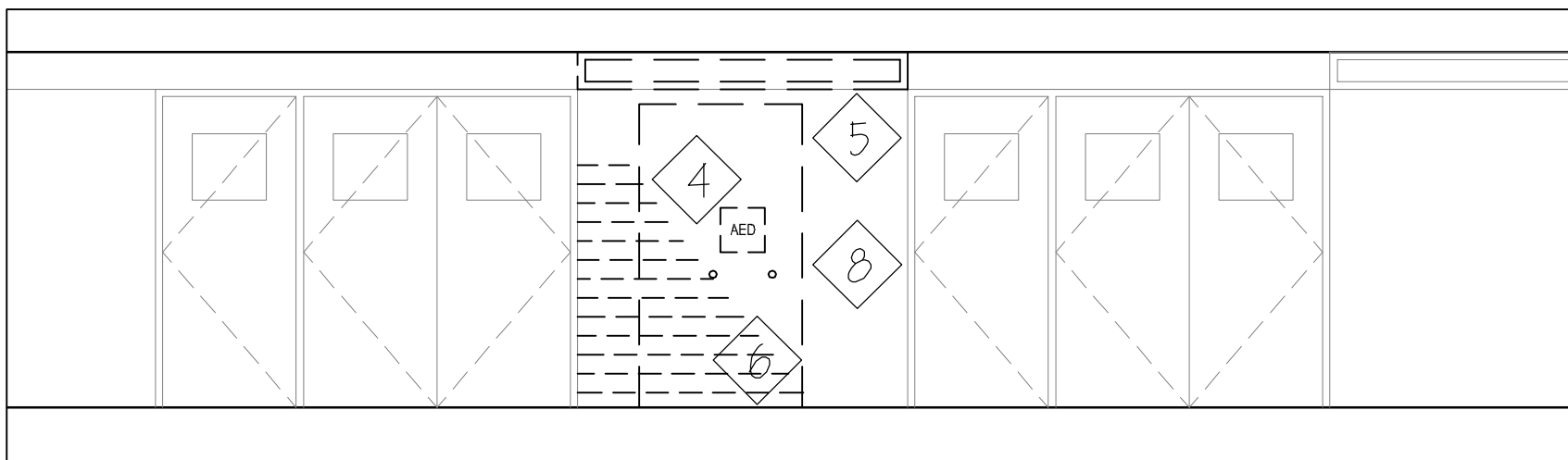
3 GYMNASIUM ELEVATION

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



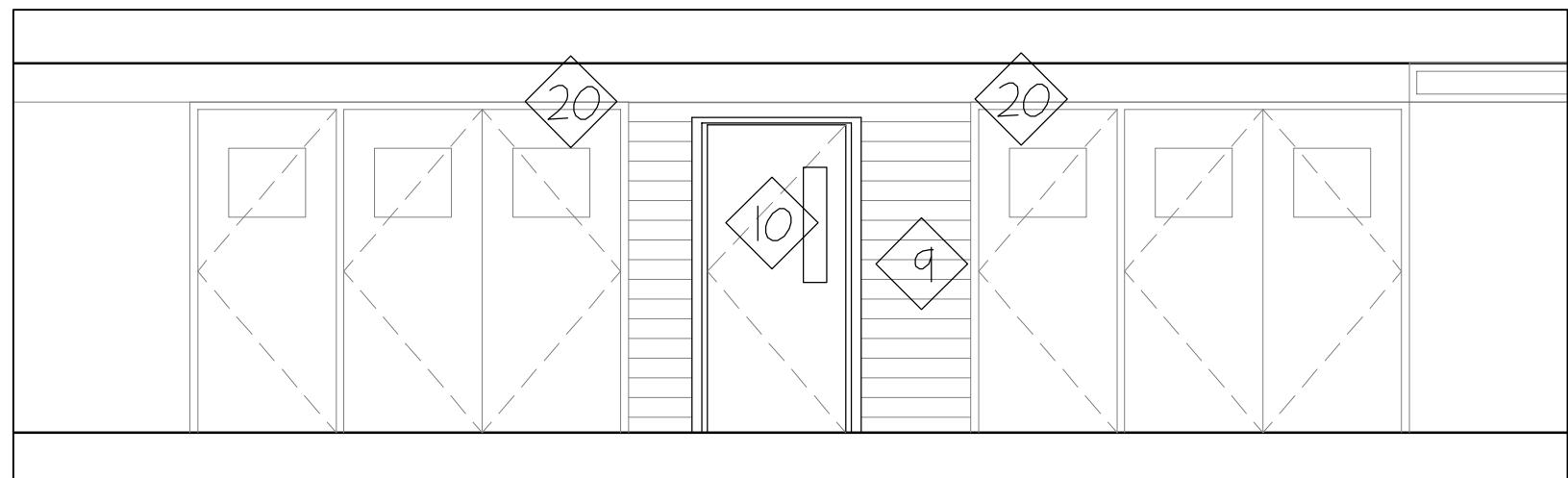
4 SMALL SCALE PLAN

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

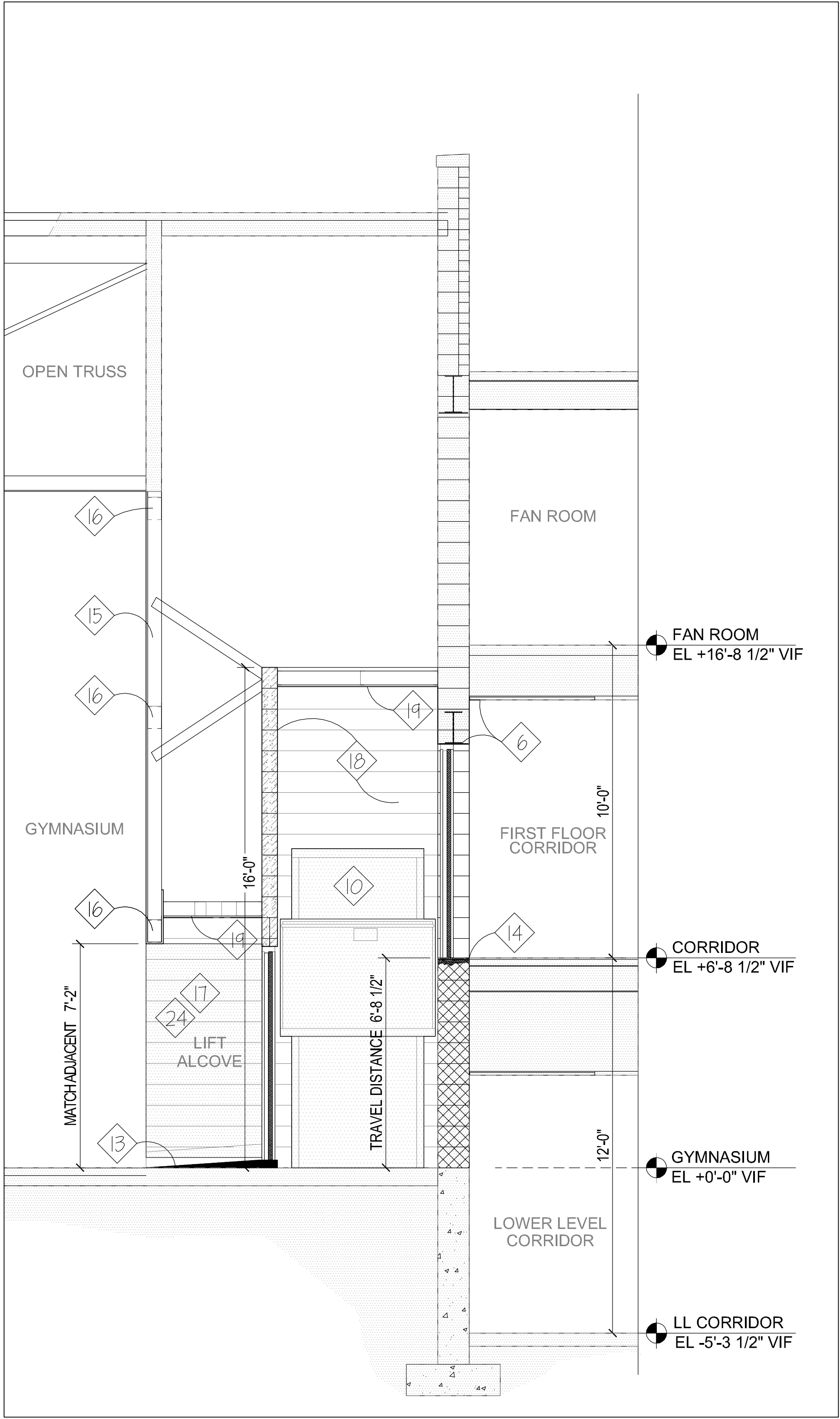


5 CORRIDOR ELEVATION

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



5 CORRIDOR ELEVATION (NEW)



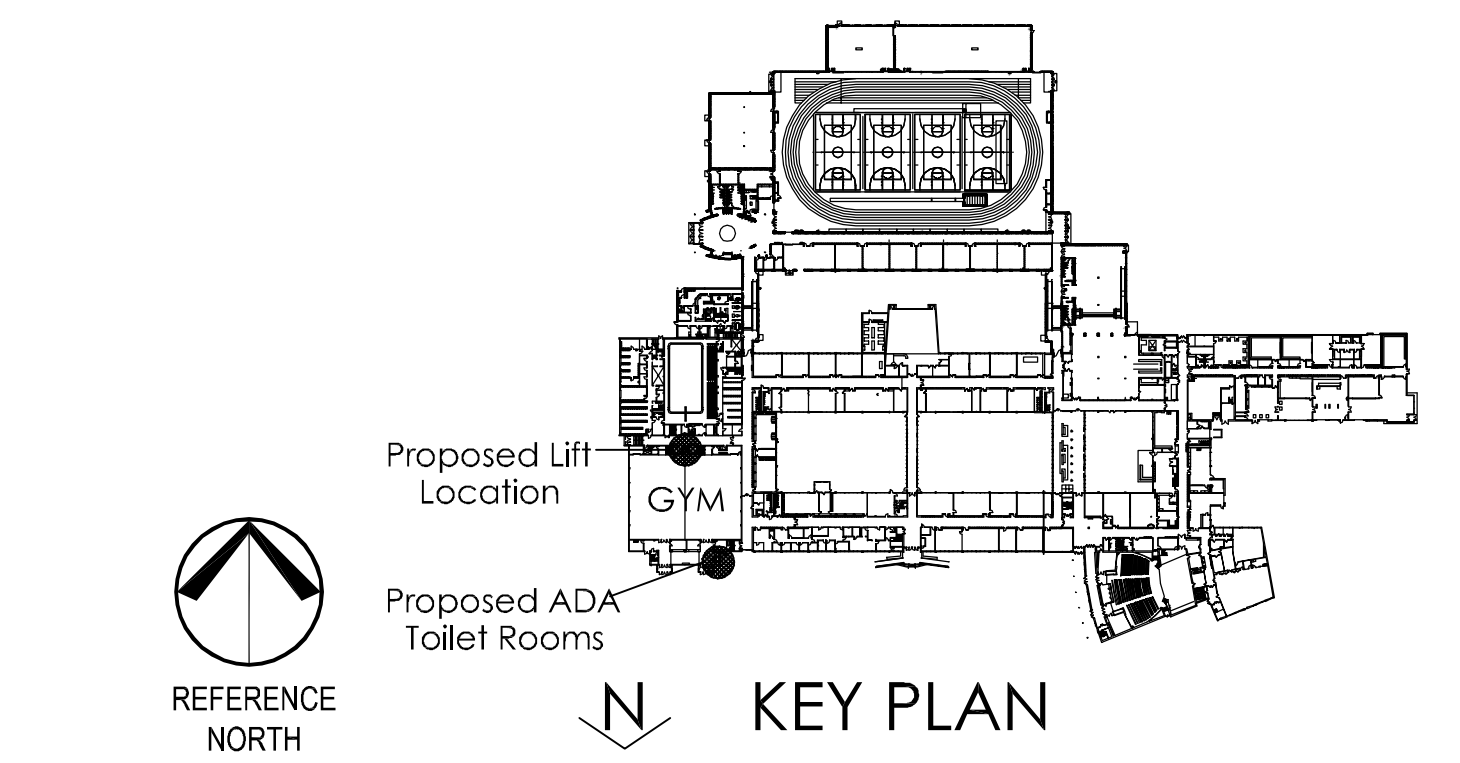
6 LIFT SECTION

SCALE: 3/8" = 1'-0"

- GENERAL PROJECT NOTES**
- SEE SPECIFICATIONS.
  - FIELD VERIFY ALL CONDITIONS AND DIMENSIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO DEMOLITION/CONSTRUCTION
  - COORDINATE WORK ON THIS SHEET WITH CORRELATING AND ADJ. MEP/F/STRUCT/RCP/ FLOOR FINISH, EQUIP. ETC. SCOPE. CONTRACTOR SHALL COORDINATE CURRENT SCOPE WITH SEPARATE CONTRACTS CONDUCTED ON SITE.
  - ORIGINAL SCHOOL CONSTRUCTION DOCUMENTS EXIST AND ARE AVAILABLE FOR REVIEW.
  - COORDINATE ITEMS TO BE SALVAGED FOR THE OWNER ( DOORS, HARDWARE, SIGNS, CAMERAS ETC.)

**KEY NOTES**

- NOTE TYPICAL FOR THIS SHEET ONLY
- REMOVE FOLDING DOOR SYSTEM AND POCKET DOORS
- REMOVE FOLDING DOOR FLOOR TRACK- REPAIR/PATCH-IN WOOD FLOOR. FILL CONCRETE FLOOR. VERIFY FLOORING WOOD SPECIES AND FINISH.
- REMOVE WALL CERAMIC TILE
- REMOVE AND RELOCATE "DEFIBRILLATOR" UNIT /SIGNAGE AND WALL "BUMBERS"/STOP (VERIFY NEW LOCATION W/ARCH).
- REMOVE WOOD TRIM/FRAME- PATCH WALL
- EXISTING CMU WALL: CUT-IN OPENING FOR LIFT HM DOOR SYSTEM. INSTALL LINTEL W12X30 W/ 3/8" BOT. PLATE. (REMOVE/RE-INSTALL EXISTING CEILING AS REQUIRED)
- REPAIR/PATCH EXISTING CMU @ FOLDING DOOR JAMB LOCATION- PAINT
- WOOD PANEL FACED GYM DIVIDER WALL/SUPPORT SOFFIT TO REMAIN
- NEW CERAMIC WALL TILE- PREPARE WALL/INSTALL: DALTILE MODERN DIMENSIONS 4-1/4"X8 1/2" FIELD TILE #0790 MATTE ARCTIC WHITE. INCLUDE BULLNOSE TRIM AT DOOR JAMBS
- VERTICAL PLATFORM LIFT- TWO STOP W/HYDRAULIC DRIVE SYSTEM. 18SF MAX PLATFORM SIZE (LARGE). 8'-8 1/2" TRAVEL DISTANCE.180" ENTRY/EXIT. 90MIN POWER OPERATED DOORS.(GARAVENTA LIFT- GENESIS SHAFTWAY, OR ARCHITECT APPROVED EQUAL.
- VERIFY SHAFT CLEAR DIMENSIONS WITH LIFT MANUFACTURER
- NEW RAMP- CONSTRUCT WITH TWO LAYERS OF 3/4" EXTERIOR GRADE PLYWOOD OVER 2X WOOD SLEEPERS. SURFACE RAMP WITH SHEET RUBBER FLOORING; JOHNSONITE MICROTONE RUBBER HAMMERED SPECKLED TILE - COLOR LB9 VORTEX. OR ARCH APPROVED EQUAL. PROVIDE RESILIENT TRANSITION STRIP AND RESILIENT WALL BASE TO MATCH- VERIFY COLOR WITH ARCH.
- PROVIDE RESILIENT THRESHOLD/TRANSITION AT NEW DOOR OPENING. VERIFY COLOR WITH ARCH
- VENEER PLASTER SYSTEM/6" METAL STUD WALL INFILL @ 16" O.C. - 5/8" ABUSE RESISTANT CEMENT BOARD. BRACE WALL BACK TO EXISTING WALL/NEW SHAFT WALL VERTICALLY @ MAX. VERTICAL EXPANSION JOINT @ EXISTING WALL, TYP. LIGHT SAND-AGGREGATED FLOAT FINISH- PAINT
- 8" MTL. STUD "BOX-BEAM"- ANCHOR TO EXISTING CMU (GROUT FILL CORE)
- 4" CMU (TO 8'-8" AFF (8" ABOVE ACP CEILING)) - PAINT
- 6" CMU- GROUT - PAINT
- MTL. STUD/VPS CEILING- SEE ELECTRICAL FOR CAN LIGHT FIXTURE INFORMATION.
- PROVIDE AND INSTALL 90° DOOR STOP DEVICE ON EXISTING WOOD DOOR. RIXSON 9-336 SURFACE HEAVY DUTY OR ARCH APPROVED EQUAL. VERIFY COMPATIBILITY WITH EXISTING DOOR/HARDWARE (TWO LOCATIONS).
- EXISTING BASKETBALL HOOPS- SHOWN FOR REFERENCE (TO REMAIN)
- EXISTING CMU
- EXISTING STRUCTURAL GLAZED TILE
- WALL PADDING: 2" THICK X 6'-10" HIGH, "CLASS A" RATING Model No. 4130 Class "A" Fire Rated Neoprene Foam Wall Padding by Performance Sports Systems, Noblesville, IN.
- REMOVE AND REINSTALL EXISTING WALL PAD SECTION
- GENERAL CONTRACTOR'S AND LIFT SUPPLIERS RESPONSIBILITY TO COORDINATE THE R.O. REQUIRED FOR THE LIFT SUPPLIED DOOR/FRAME. DESIGN INTENT IS FOR FRAME TO BE INSTALLED IN MASONRY OPENING- WITH NO ADDED TRIM'S OR FILLERS.



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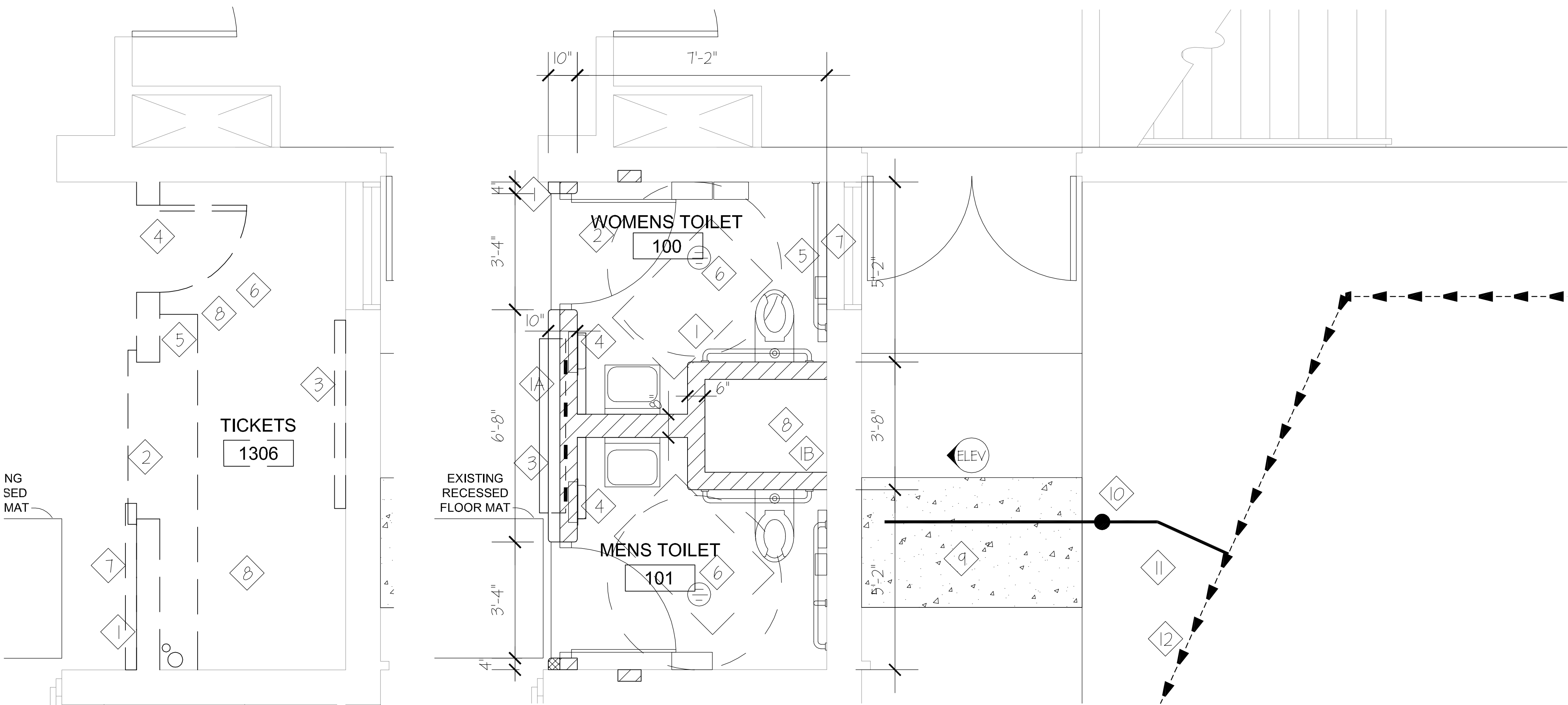
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LIFT - PLANS, ELEVATIONS AND SECTIONS

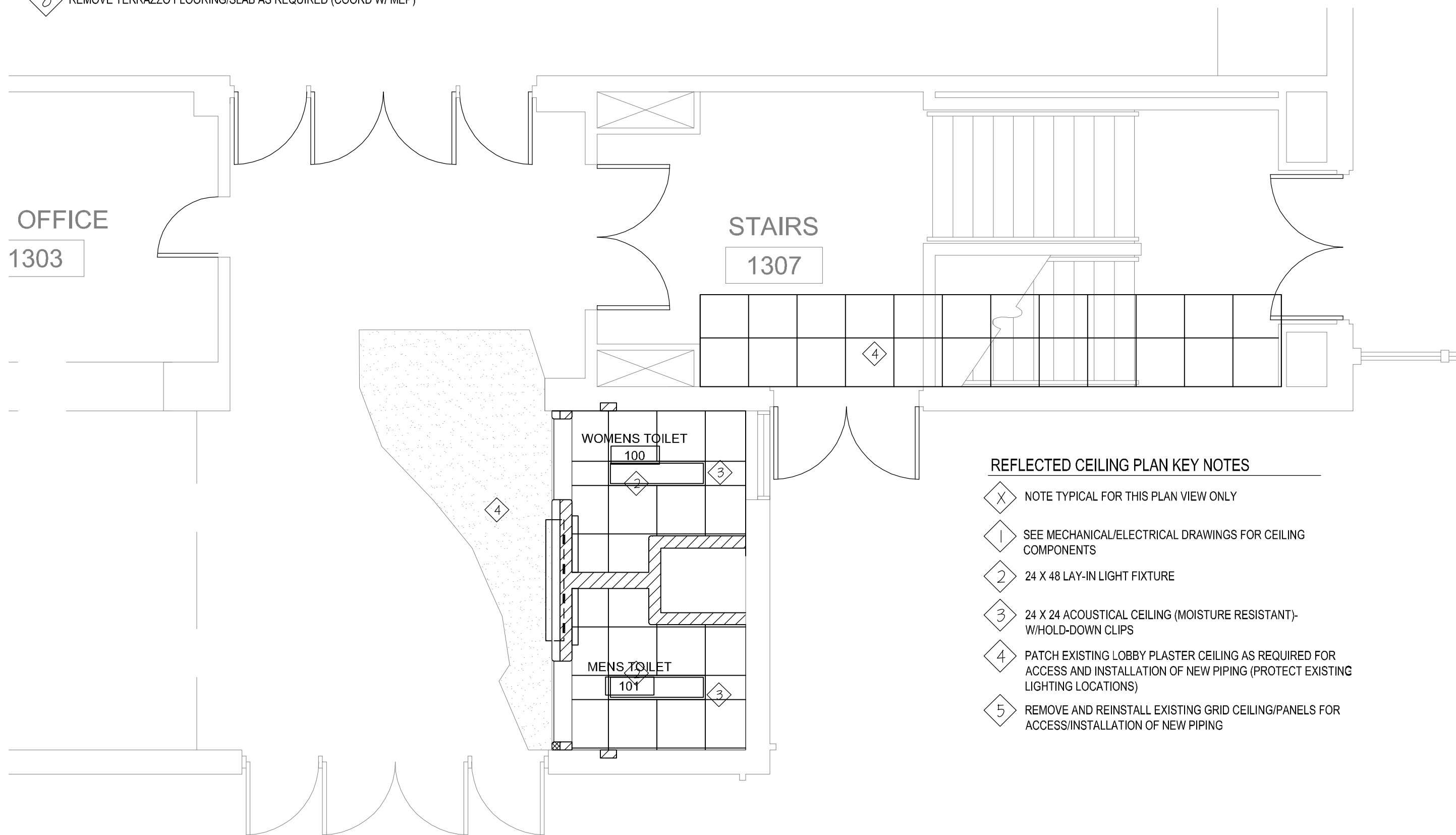


### 1 EXISTING TICKET BOOTH DEMOLITION

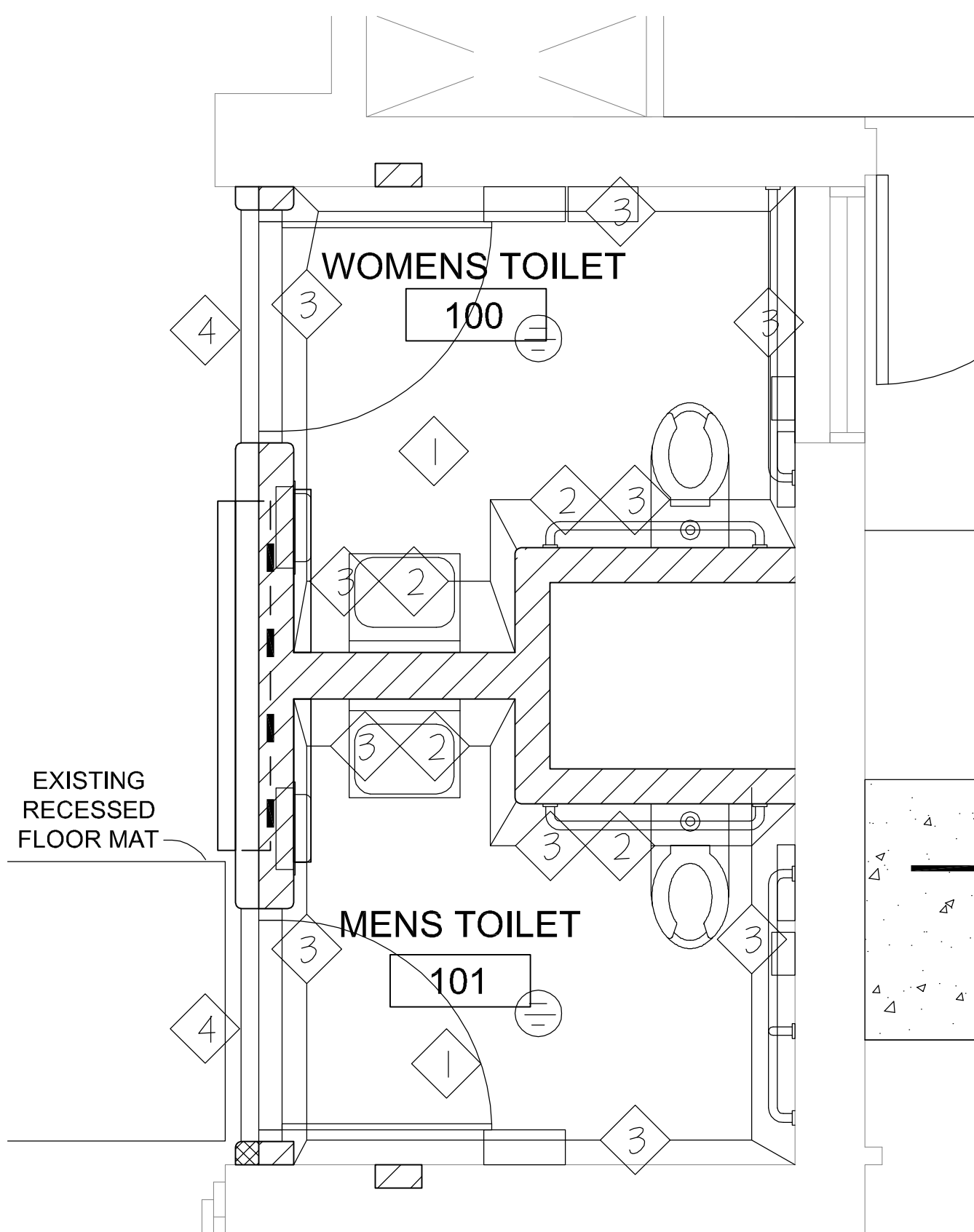
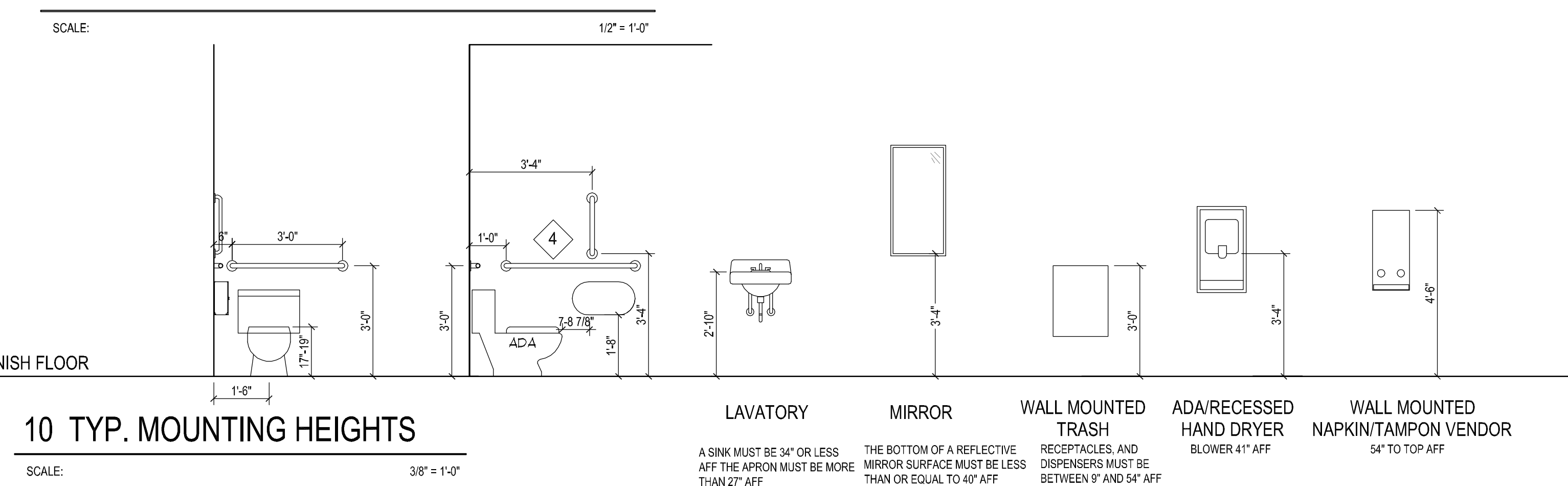
- SCALE: 1/2" = 1'-0"
- DEMOLITION PLAN KEY NOTES**
- NOTE TYPICAL FOR THIS PLAN VIEW ONLY
  - REMOVE MASONRY WALL
  - REMOVE COILING DOOR
  - REMOVE CABINET UNIT HEATER AND PIPING
  - REMOVE DOOR AND FRAME
  - REMOVE COUNTER AND CASEWORK
  - REMOVE ALL HARD CEILING AND LIGHT FIXTURES
  - REMOVE AND RELOCATE ELECTRIC CABINET UNIT HEATER
  - REMOVE TERRAZZO FLOORING/SLAB AS REQUIRED (COORD W/ MEP)

### 2 NEW ADA TOILET PLAN

- SCALE: 1/2" = 1'-0"
- FLOOR PLAN KEY NOTES**
- NOTE TYPICAL FOR THIS PLAN VIEW ONLY
  - 4" STRUCTURAL CLAY TILE (LOBBY FACE UP 6-8" CMU ABOVE) W/ 8" CMU (INSIDE FACE- PAINT) (10" TOTAL THICKNESS). EXTEND WALL TO STRUCTURE ABOVE (11'-4" AFF)
  - MASONRY WALL- PAINT
  - PROVIDE AND INSTALL 3'-0" X 6'-0" WD DOOR AND HM FRAME HARDWARE SET #1
  - Provide wall S.S. doors with the following:
    - 3EA HINGE T4X3/16 X 4-1/2 602 MCK
    - 1EA PRIVACY LOCK 49-0255 628 SAR
    - 1EA DEADLOCK 20-42 628 SAR
    - 1EA KICK PLATE 94X10" X 2" LOW 630 IVE
    - 1EA WALL STOP W85X10X3 630 IVE
    - 1 SET DOOR SILENCER RUBBER GJ54 630 GJ
  - RELOCATED LOBBY SIDE CABINET UNIT HEATER (CUH) ELECTRIC HAND DRYER- SEE TOILET ACCESSORY SCHEDULE AND ELECTRICAL
  - PROVIDE CUSTOM GRAB BARS- HORIZONTAL AND VERTICAL- SEE SCHEDULE.
  - INSTALL NEW FLOOR DRAIN (SLOPE SLAB TO DRAIN)
  - INSTALL "SANDBLAST" PATTERN VINYL WINDOW FILM
  - SEE MEP DRAWINGS FOR DESIGN INTENT ON PENETRATING THE EXISTING BUILDING FOUNDATION, MASONRY WALL, FLOOR STRUCTURE AND ROOF STRUCTURE FOR SANITARY CONNECTION, EXHAUST DUCTWORK WALL LOUVER AND PLUMBING VENTING. INCLUDE PROVISIONS FOR CUTTING, PATCHING, ETC AT THESE LOCATIONS.
  - REPLACE AREA OF CONC WALK AS REQUIRED FOR THE INSTALLATION/CONNECTION TO EXISTING SANITARY LINE
  - PROVIDE SANITARY CLEANOUT WITH THREADED PLUG/COVER AND CONCRETE COLLAR
  - PRIOR TO CONNECTION TO EXISTING SANITARY, CONTRACTOR TO VERIFY INVERT/ELEVATION TO DETERMINE CONNECTION TYPE
  - EXISTING 8" SANITARY SEWER

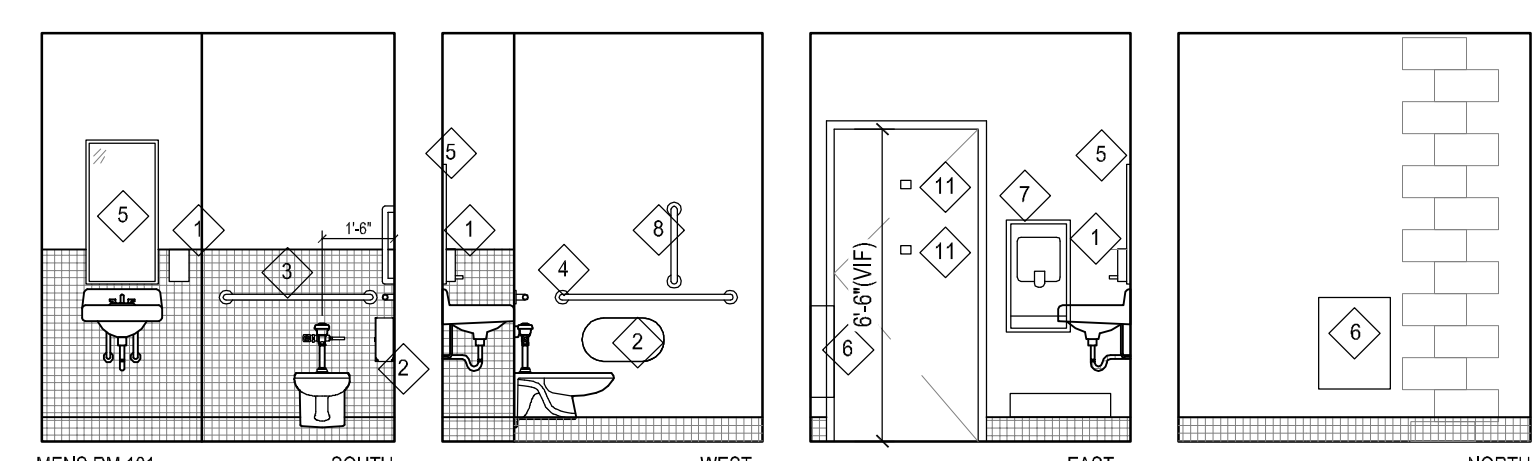
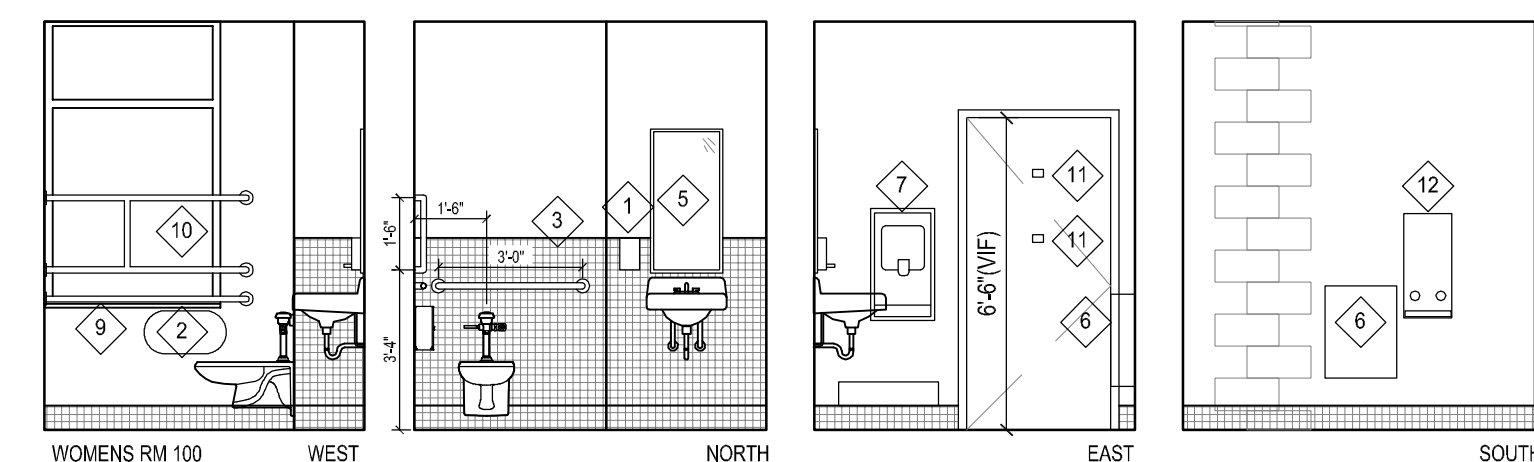


### 6 NEW ADA TOILET - REFLECTED CELING PLAN



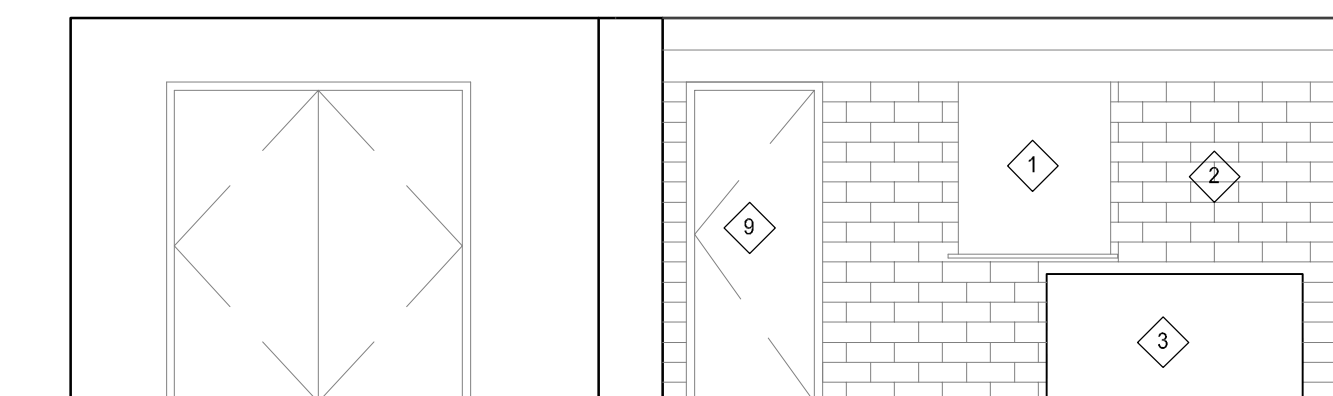
### 7 NEW ADA TOILET - FLOOR FINISH PLAN

- SCALE: 1/2" = 1'-0"
- FINISH PLAN KEY NOTES**
- NOTE TYPICAL FOR THIS PLAN VIEW ONLY
  - PREPARE SLAB/ INSTALL CERAMIC FLOOR MOSAIC TILE
  - INSTALL CERAMIC WALL TILE UP TO 4'-0" (W/SANITARY COVE BASE) 6" MOSAIC CT BASE, TYP. @ ALL WALLS. SEE BELOW
  - FLOOR/ 6" BASE: DALTILE - KEYSTONES, URBAN PUTTY SPECKLE (D201)
  - WALL: AMERICAN OLEAN- MUSHROOM R0041
  - PARTIAL ALL WALLS/EXIST CEILING PATCH) WITHIN CONSTRUCTION AREA.
  - SHERWIN WILLIAMS (OR EQUAL)
  - WALLS: Above the wall tile (trimcoat), SW6321
  - Other walls: SW7038
  - HM FRAMES: BLACK
  - LOBBY STRIPES: TOP TWO CMU COURSES (RED AND BLACK- MATCH EXIST)
  - LOW PROFILE STONE THRESHOLD



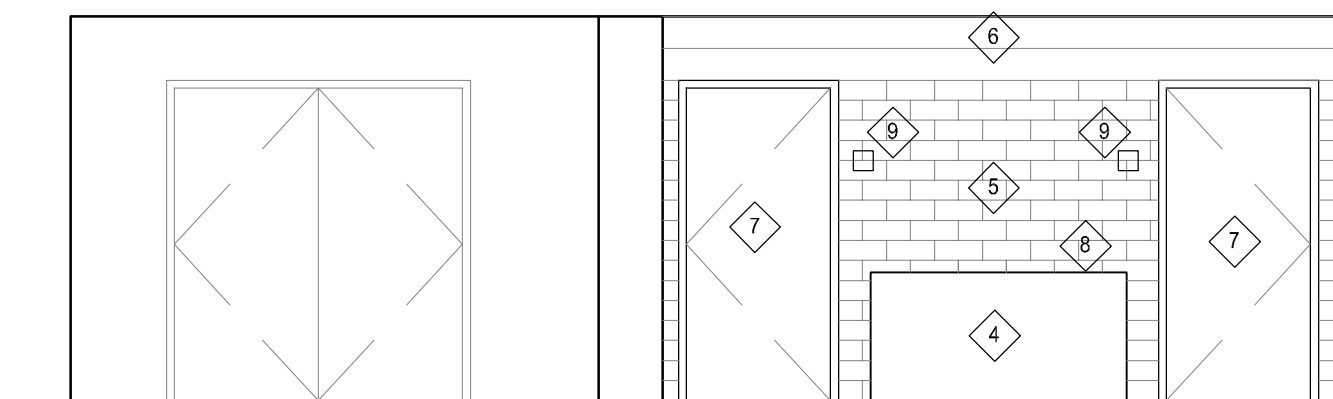
### 3 TOILET ELEVATIONS

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



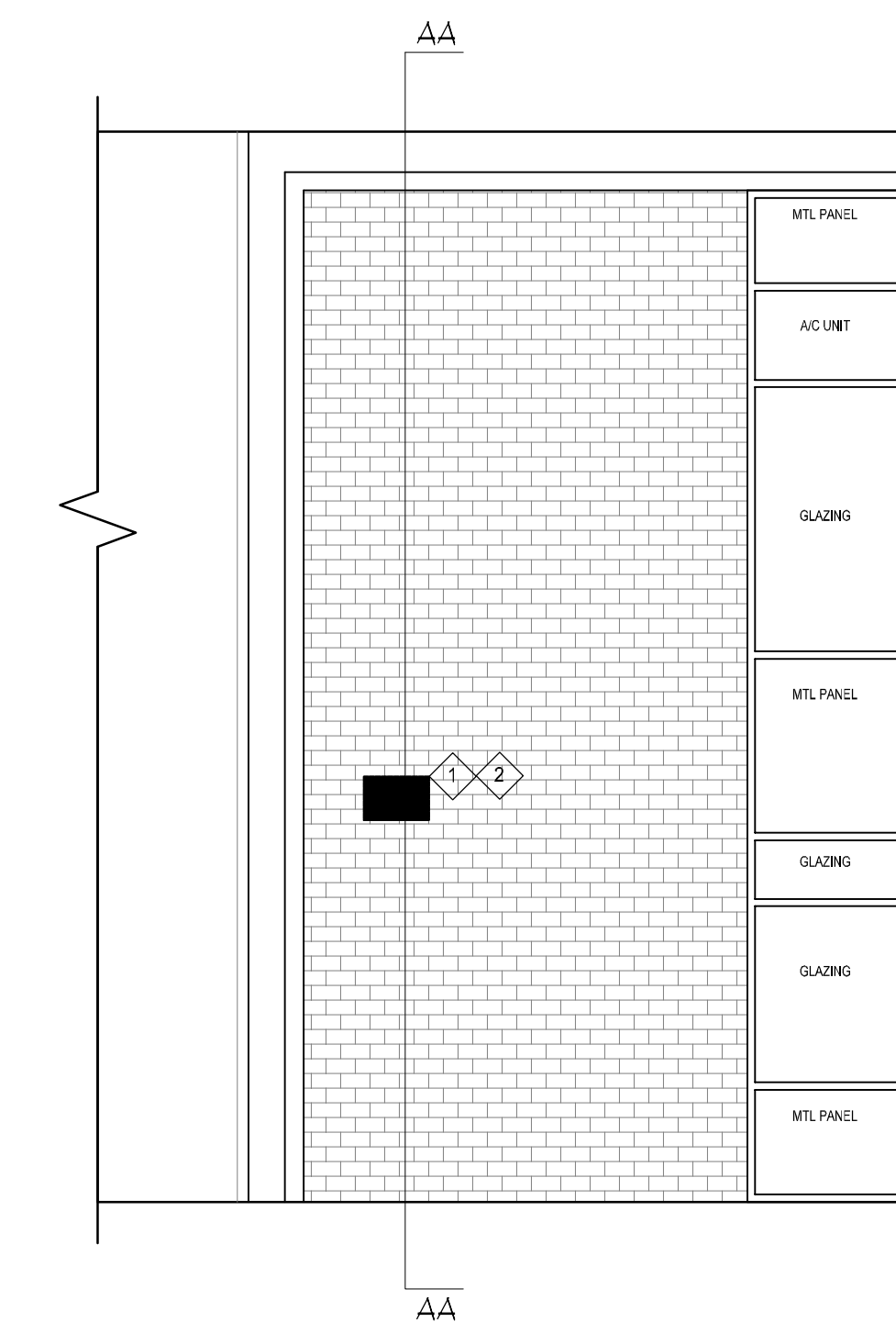
### 4 EXISTING LOBBY ELEVATION

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



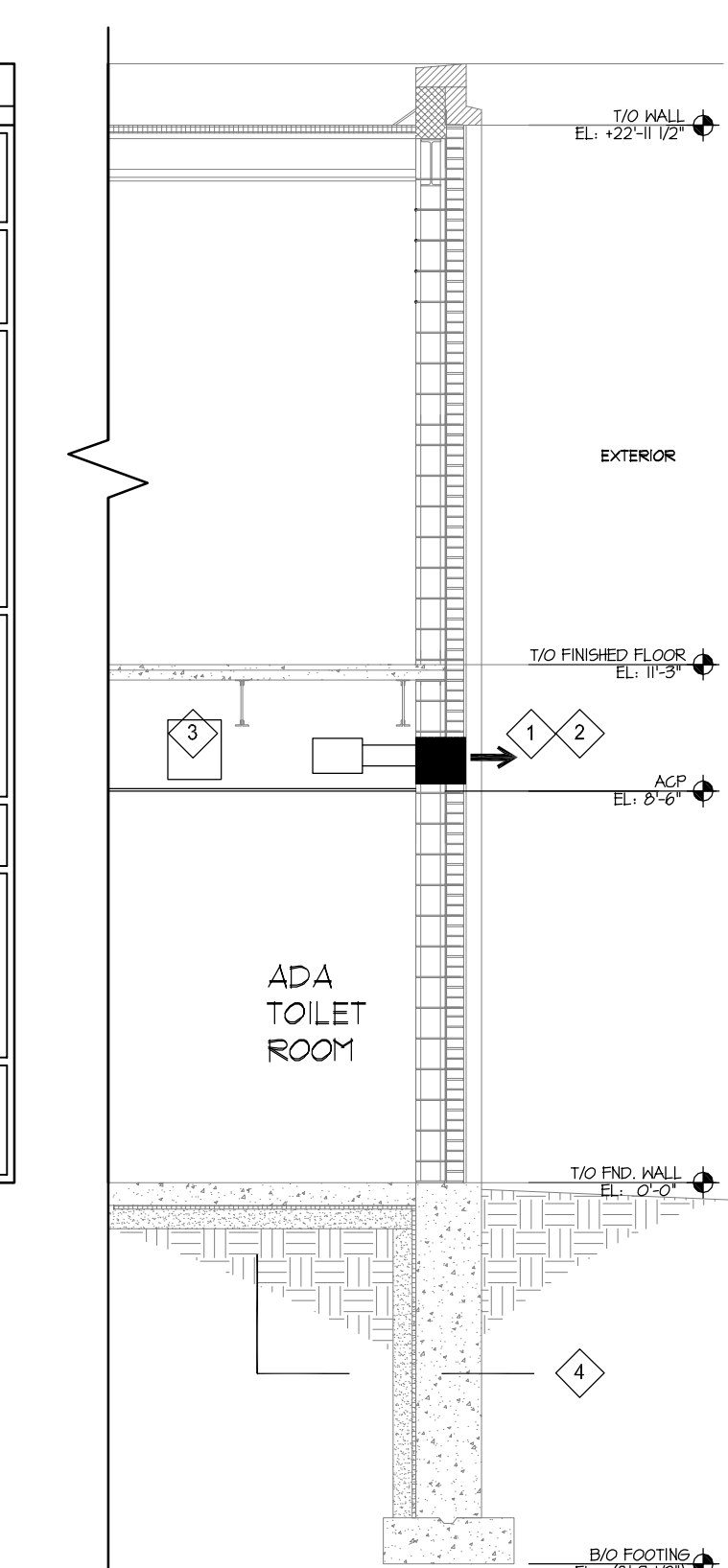
### 5 LOBBY ELEVATION

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



### 8 EXTERIOR ELEVATION - WEST

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



### 9 WALL SECTION "A"

SCALE: 3/8" = 1'-0"

- WALLS SECTION AND EXTERIOR ELEVATION NOTES**
- NOTE TYPICAL FOR THIS ELEVATION VIEW ONLY
  - MECHANICAL EXHAUST LOUVER- SEE MEP. (VERIFY LOUVER COLOR)
  - LINTEL: (3) 5X3 1/2"X1/2" ANGLES W/1/2" BOTT PLATE
  - ELECTRIC WATER HEATER- SEE PLUMBING/ELEC
  - SANITARY CONNECTION- SEE PLUMBING/CONNECT TO EXISTING SANITARY

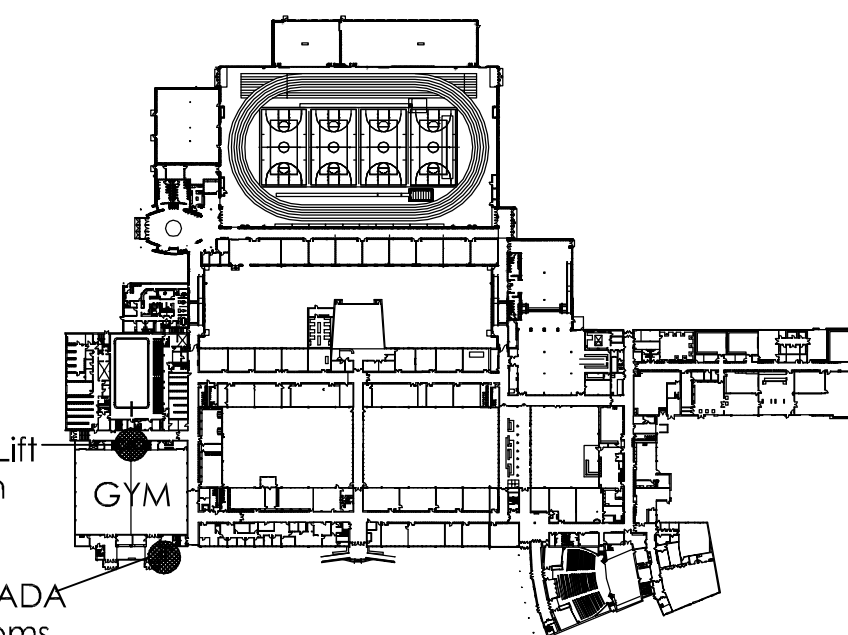
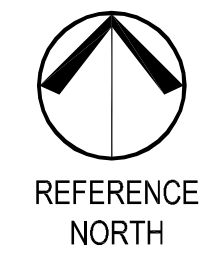
TOILET ACCESSORY SCHEDULE			WOMEN 100	MEN 101
MARK	DESCRIPTION	MODEL		
1	SOAP DISPENSER	6962	1	1
2	TOILET TISSUE DISPENSER	BY OWNER	-	-
3	38" GRAB BAR	8120-00136	1	1
4	42" GRAB BAR	8120-00142	-	1
5	24" W X 36" H MIRROR	780-2406	1	1
6	SURFACE MOUNT WASTE RECEPT	3565	1	1
7	XLERATOR HAND DRYER W/ADA RECESS KIT	XL-C4652 KIT	1	1
8	18" GRAB BAR	8120-00118	1	1
9	42" GRAB BAR- SS CUSTOM WALL MOUNT	CUSTOM	1	-
10	18" VERT GRAB BAR- SS CUSTOM MOUNT WALL MOUNT	CUSTOM	1	-
11	COAT HOOK (@ 60" AND 48" AFF)	9118	2	2
12	NAPKIN/TAMPON VENDOR	B-2706	1	-

**NOTES:**

- BRADLEY MODEL NUMBERS ARE LISTED. SEE SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS
- IF MOUNTING DIMS ARE NOT SPECIFICALLY SHOWN ON DWGS, MOUNT PER APPLICABLE ACCESSIBILITY CODES

### LOBBY ELEVATION NOTES

- NOTE TYPICAL FOR THIS ELEVATION VIEW ONLY
- EXISTING COILING COUNTER DOOR- REMOVE/SALVAGE
- EXISTING STRUCTURAL CLAY TILE WALL (SCT)-DEMO
- EXISTING ELEC CUH- REMOVE/SALVAGE- TO BE RELOCATED
- EXISTING ELEC CUH- NEW LOCATION
- STRUCTURAL CLAY TILE WALL- MATCH EXISTING COURSING TIES @ 16" VERT (SCT/CMU)
- CMU WALL- MATCH EXISTING COURSING (PAINT TO MATCH EXISTING ACCENT STRIPING)
- WOOD DOOR (3'-0" X 6'-6") AND HM FRAME (PAINT, 6'-8")- MATCH EXISTING SIZE/VE
- LINTEL- BOND BEAM- 2-#5 BARS, 2 COURSES/16" HIGH- GROUT SOLID (@ SCT AND CMU WYTHES)
- ROOM SIGNAGE BY OWNER



### KEY PLAN

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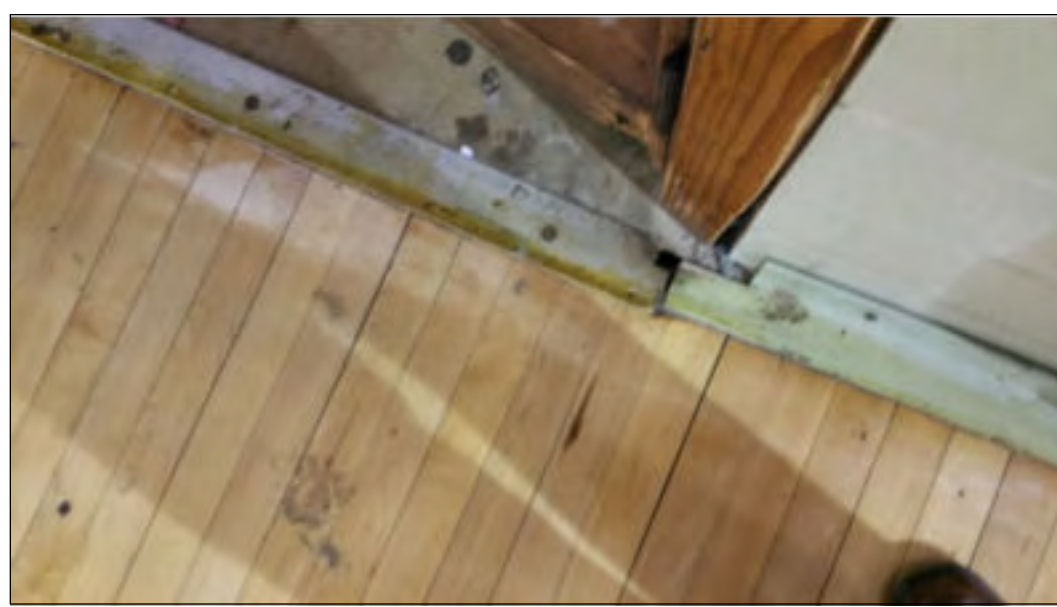
### ADA TOILETS

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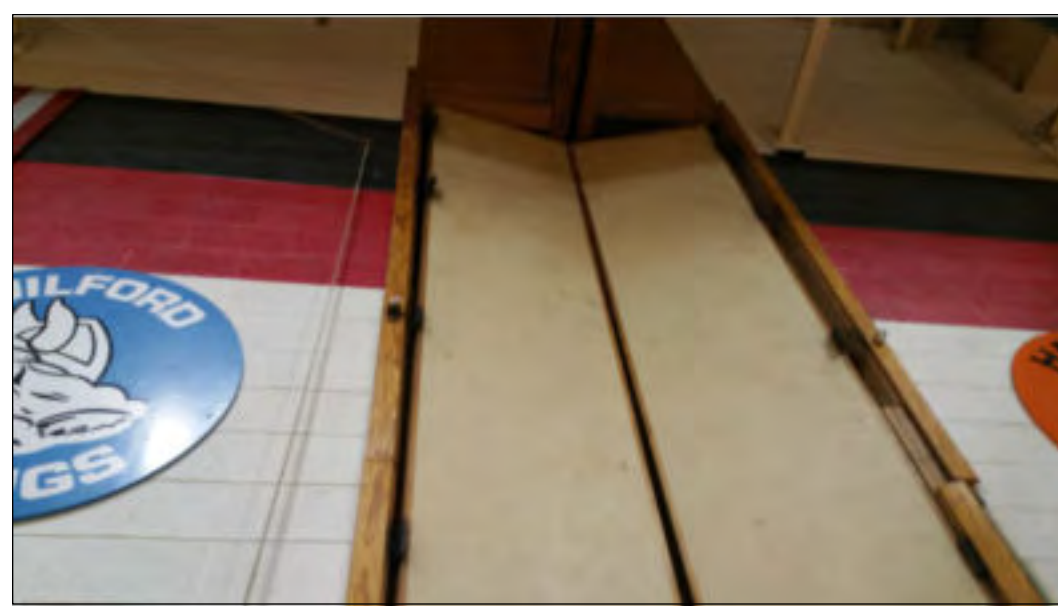




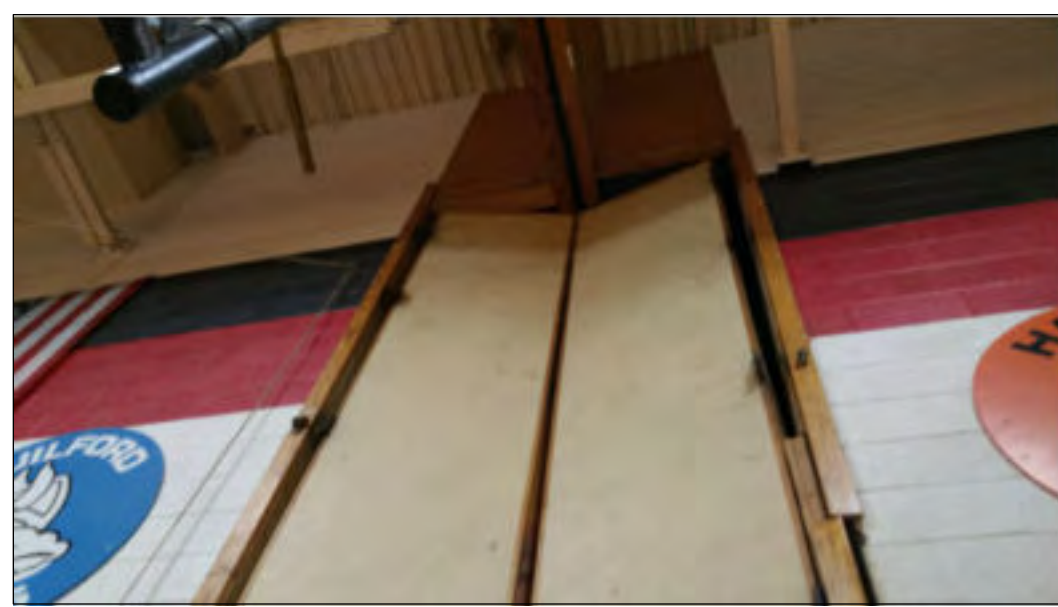
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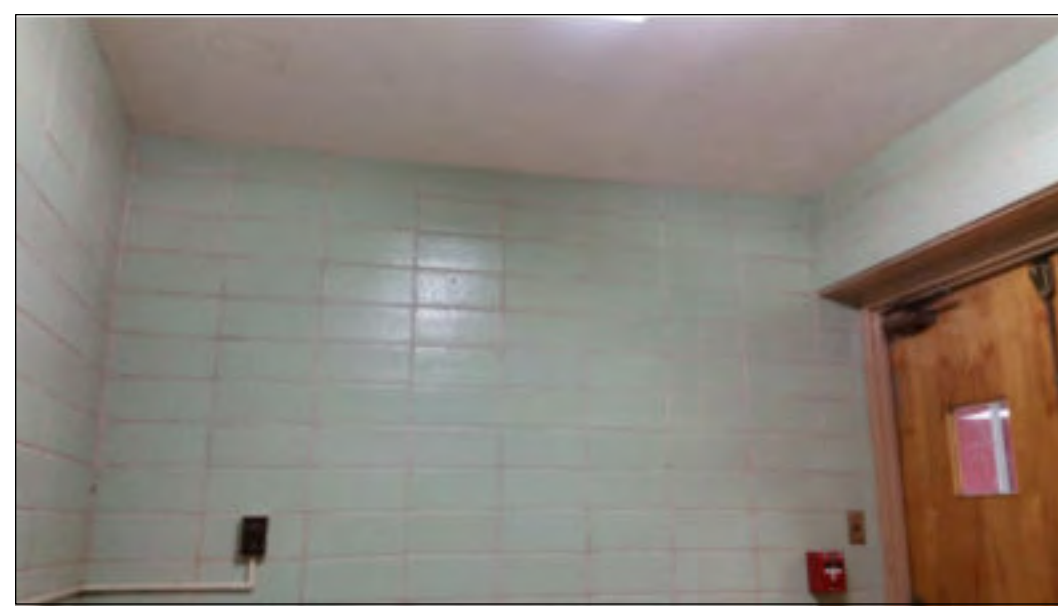
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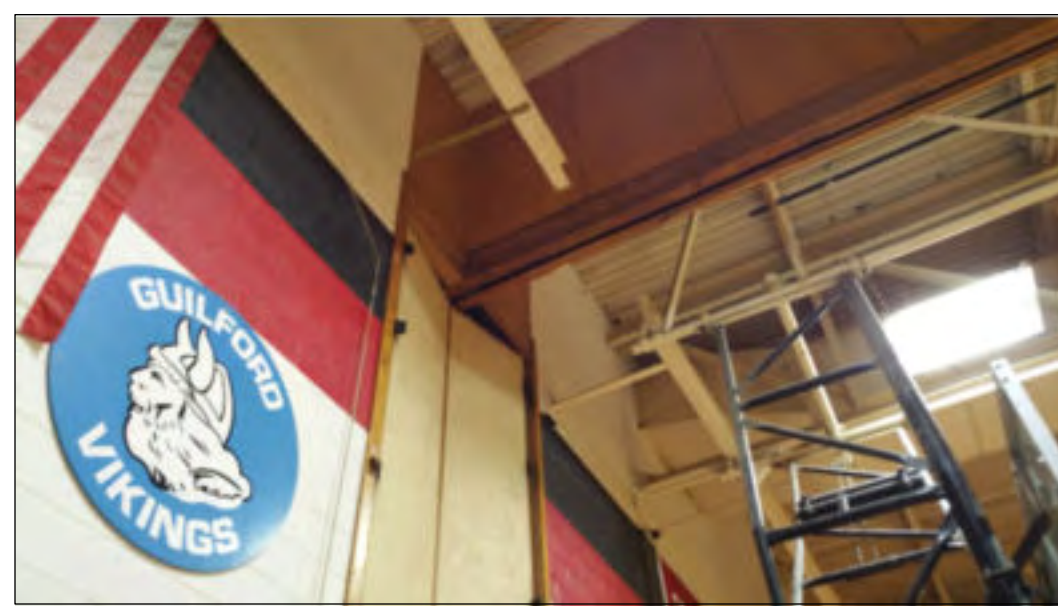
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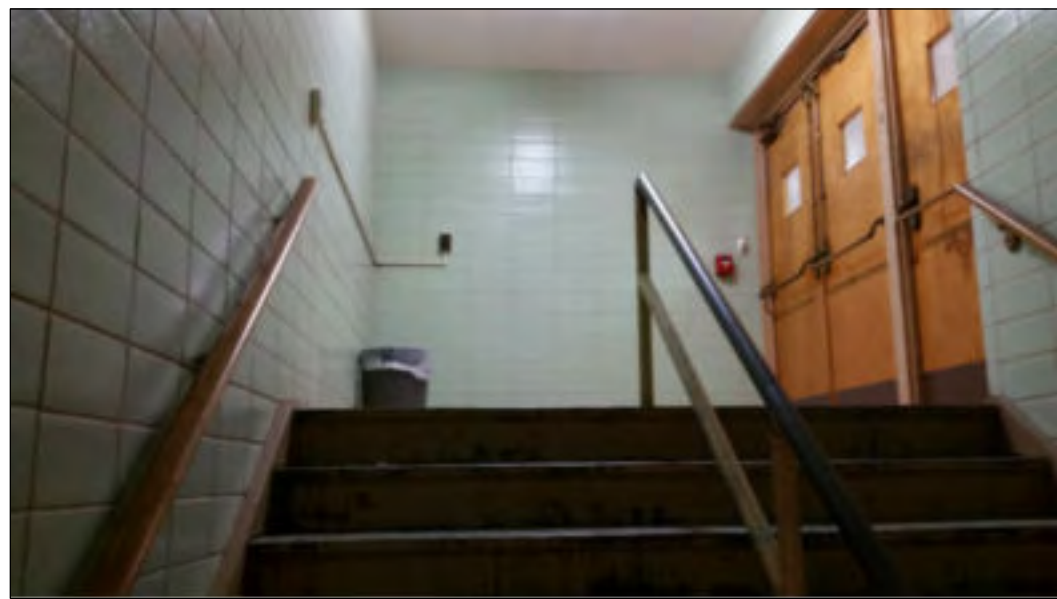
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REFERENCE PHOTO 7



REFERENCE PHOTO 8



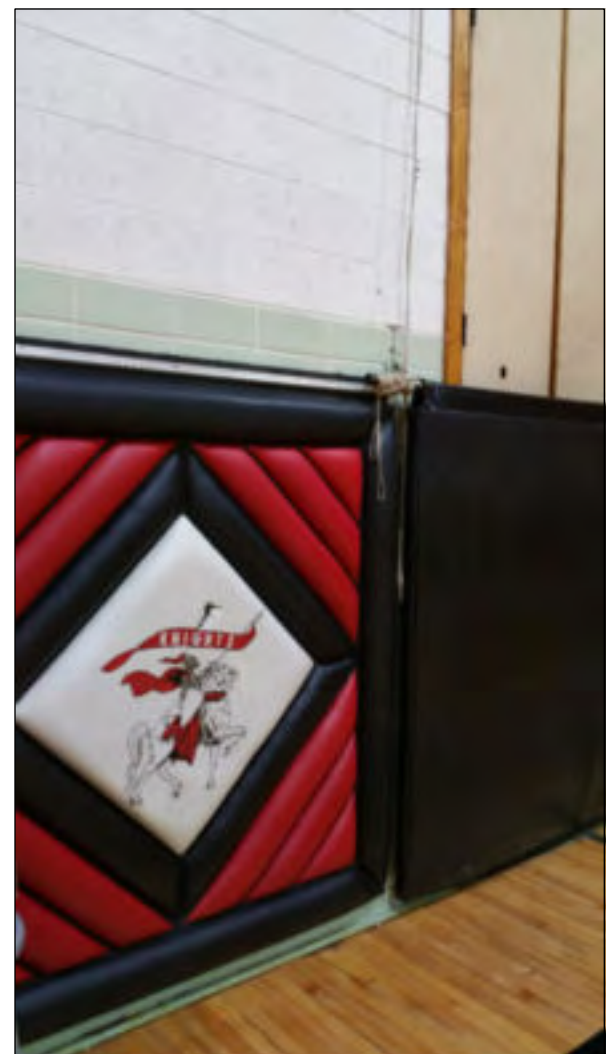
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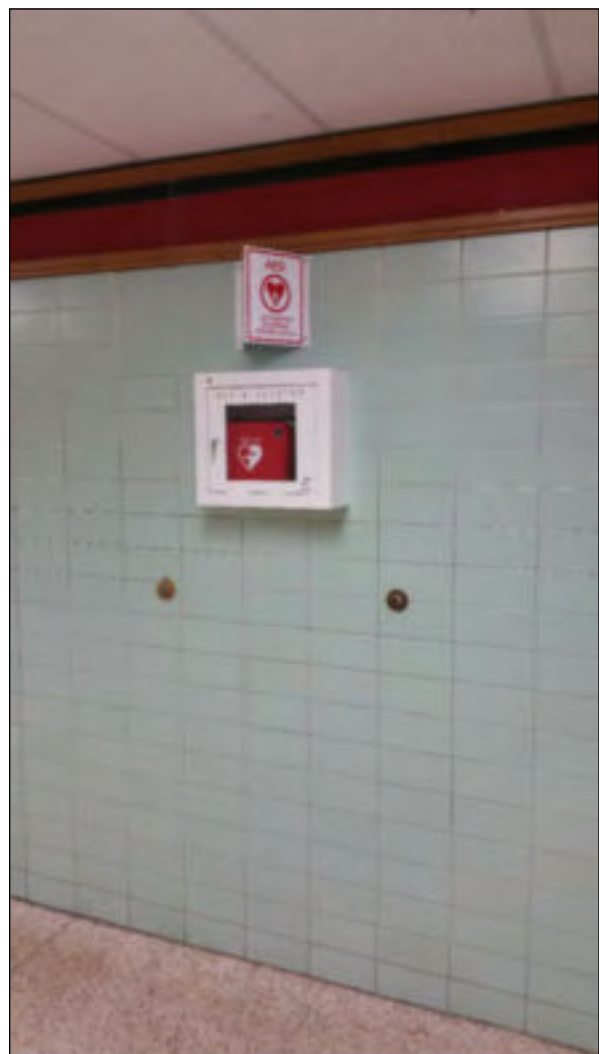
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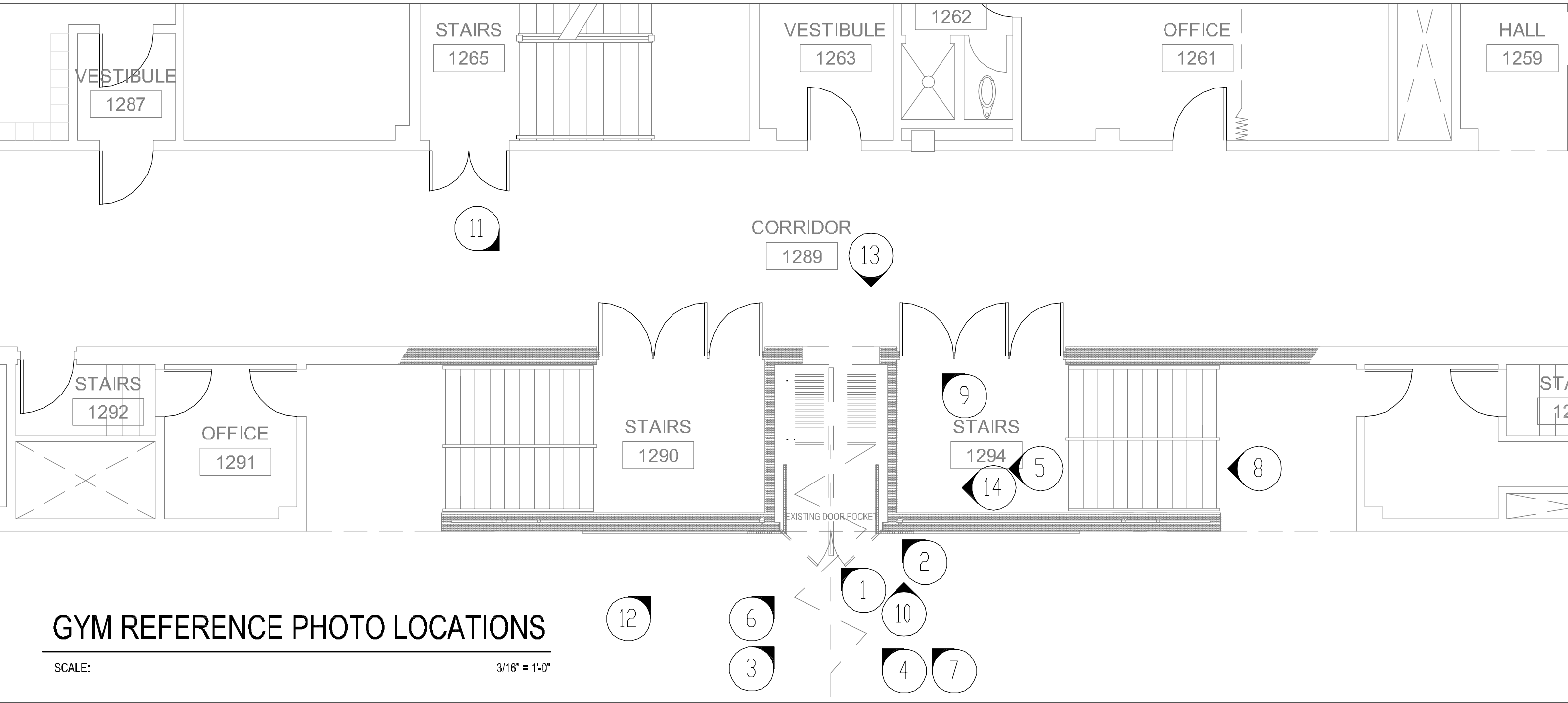
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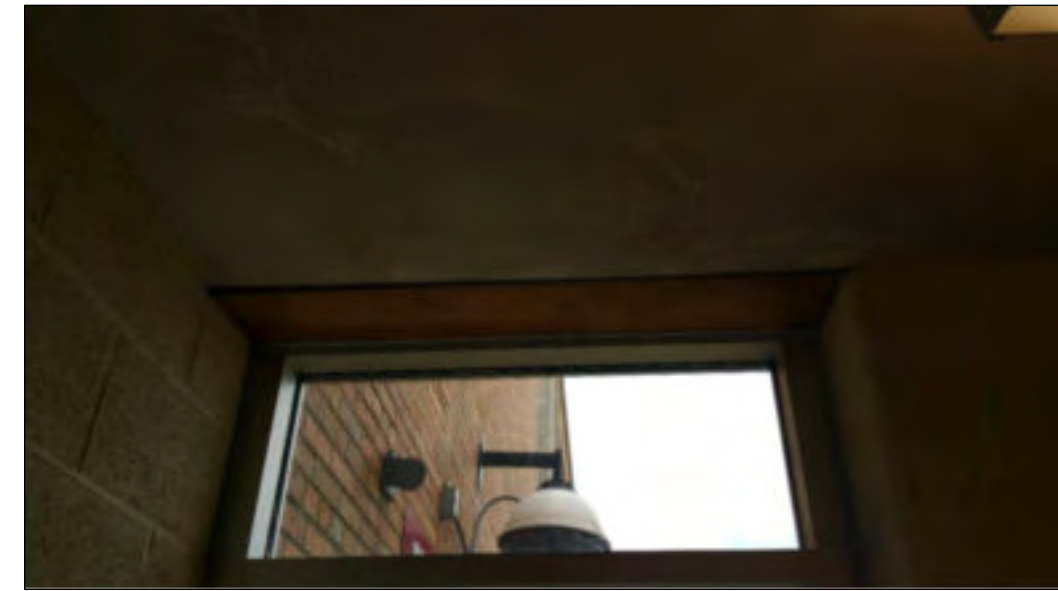
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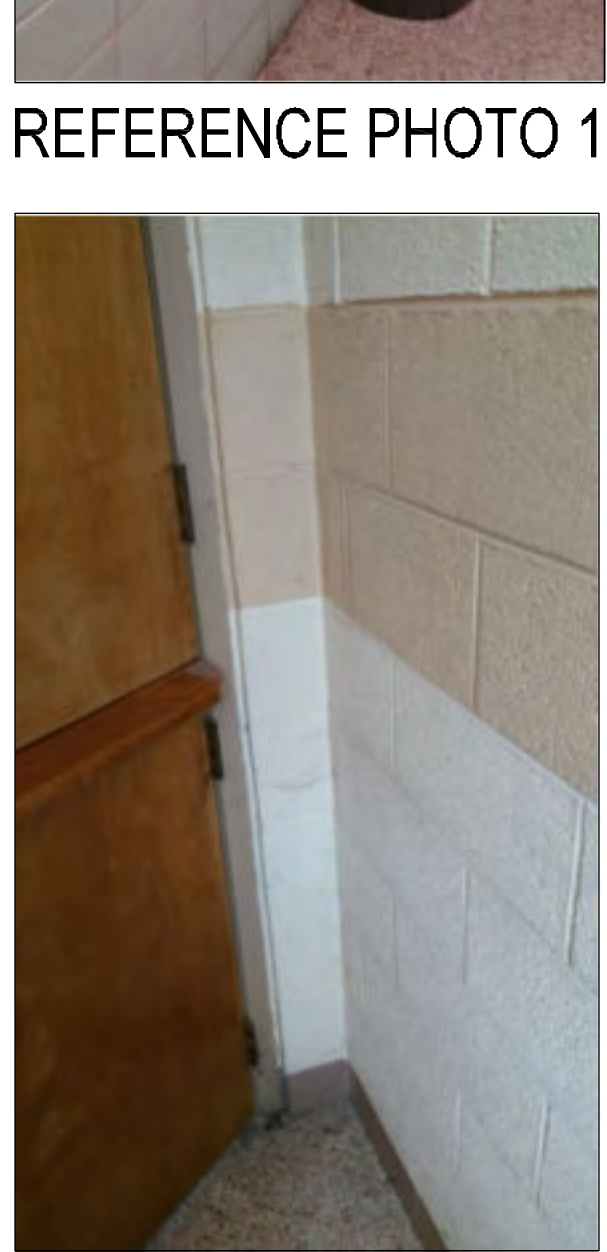
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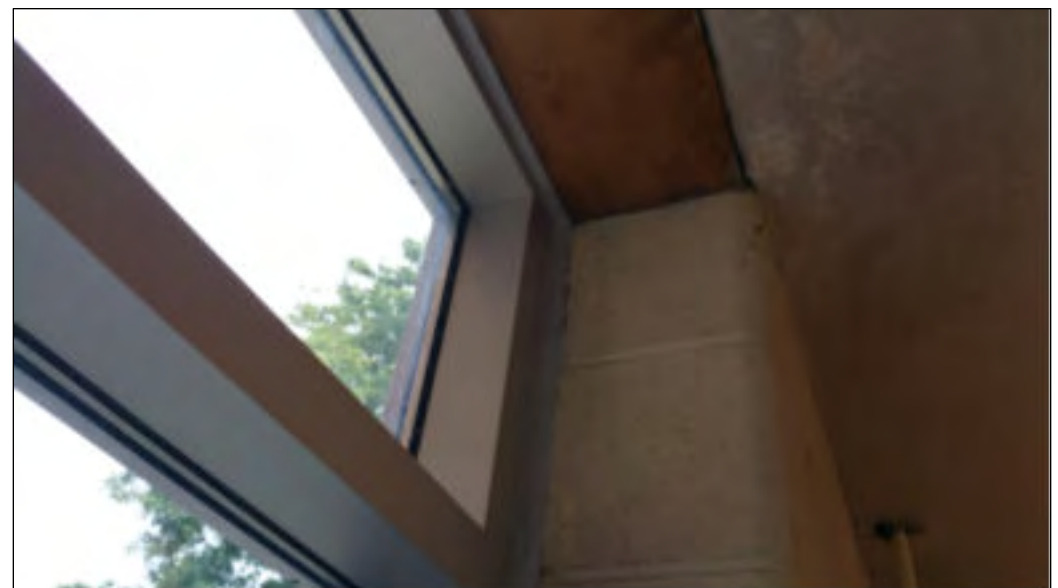
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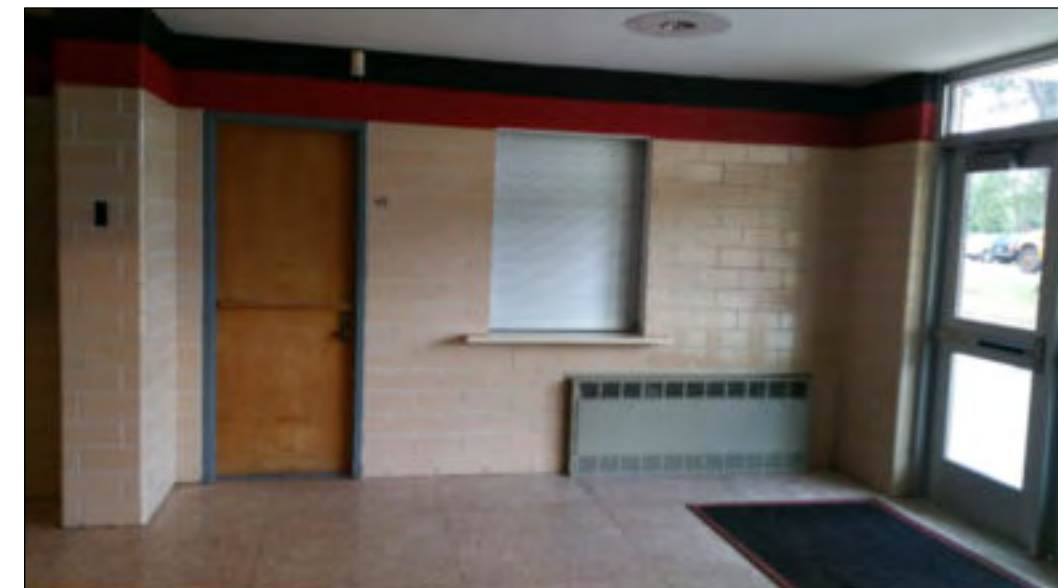


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REFERENCE PHOTO 20



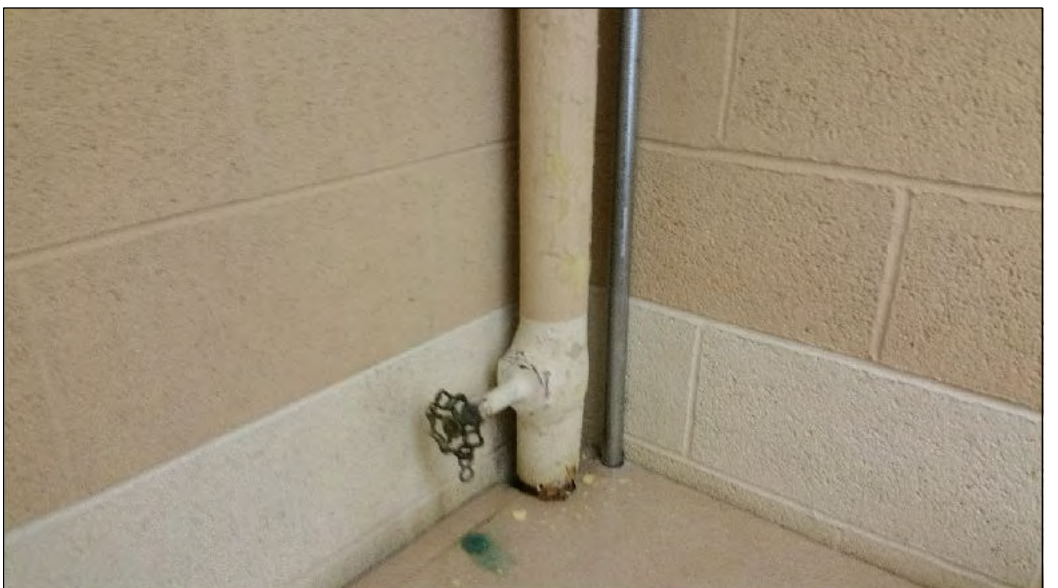
TOILET REFERENCE PHOTO LOCATIONS



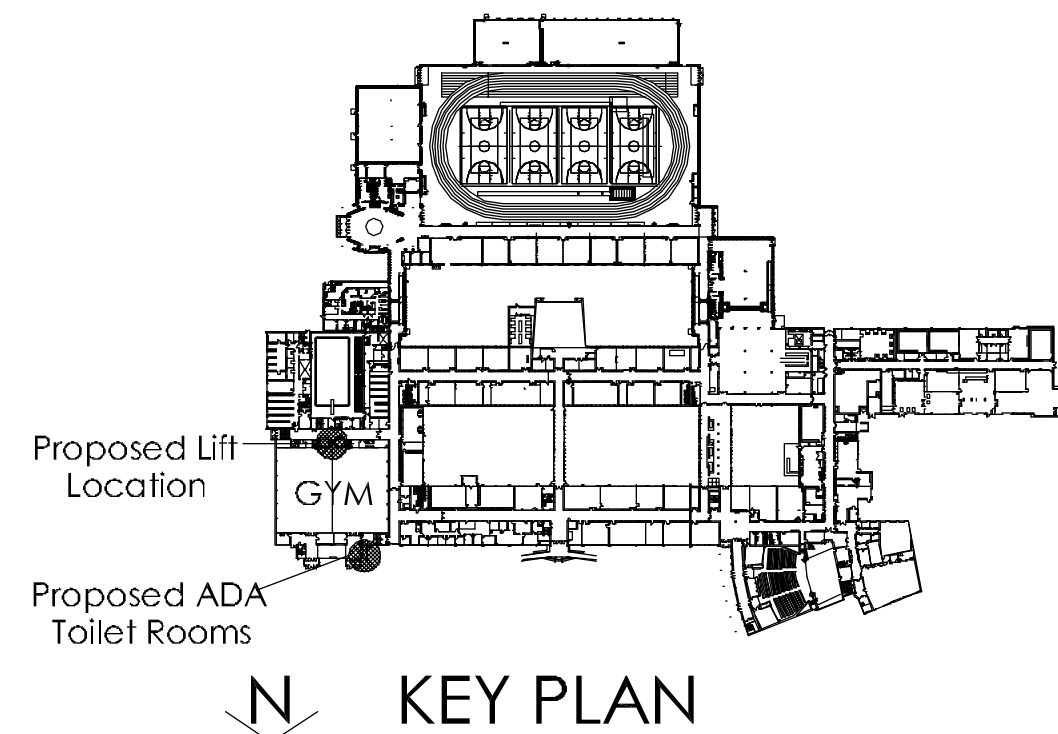
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5110 Auburn St  
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A1.2

HAGNEY JOB NO. 1741-9

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DIFFUSER, GRILLE AND REGISTER SCHEDULE							
EQUIPMENT TAG	MANUFACTURER	MODEL	TYPE	NOMINAL FACE SIZE	MATERIAL	MAX. I.C.	NOTES
A	TITUS	350RL	35" DEFLECTION GRILLE	VARIES	STEEL	30	1,2,3,4
<div>SCHEDULE NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: CARNES, PRICE, METAL AIR. 2. COORDINATE FRAME/BORDER TYPE WITH CEILING TYPE. 3. FINISH AS SELECTED BY ARCHITECT. 4. PROVIDE WITH OPPOSED BLADE DAMPER.</div> <div>FLOOR PLAN TAG LEGEND: "S"=SUPPLY "R"=RETURN/RELIEF "E"=EXHAUST EQUIPMENT TAG AIR FLOW (CFM) NECK SIZE (IN.)</div>							

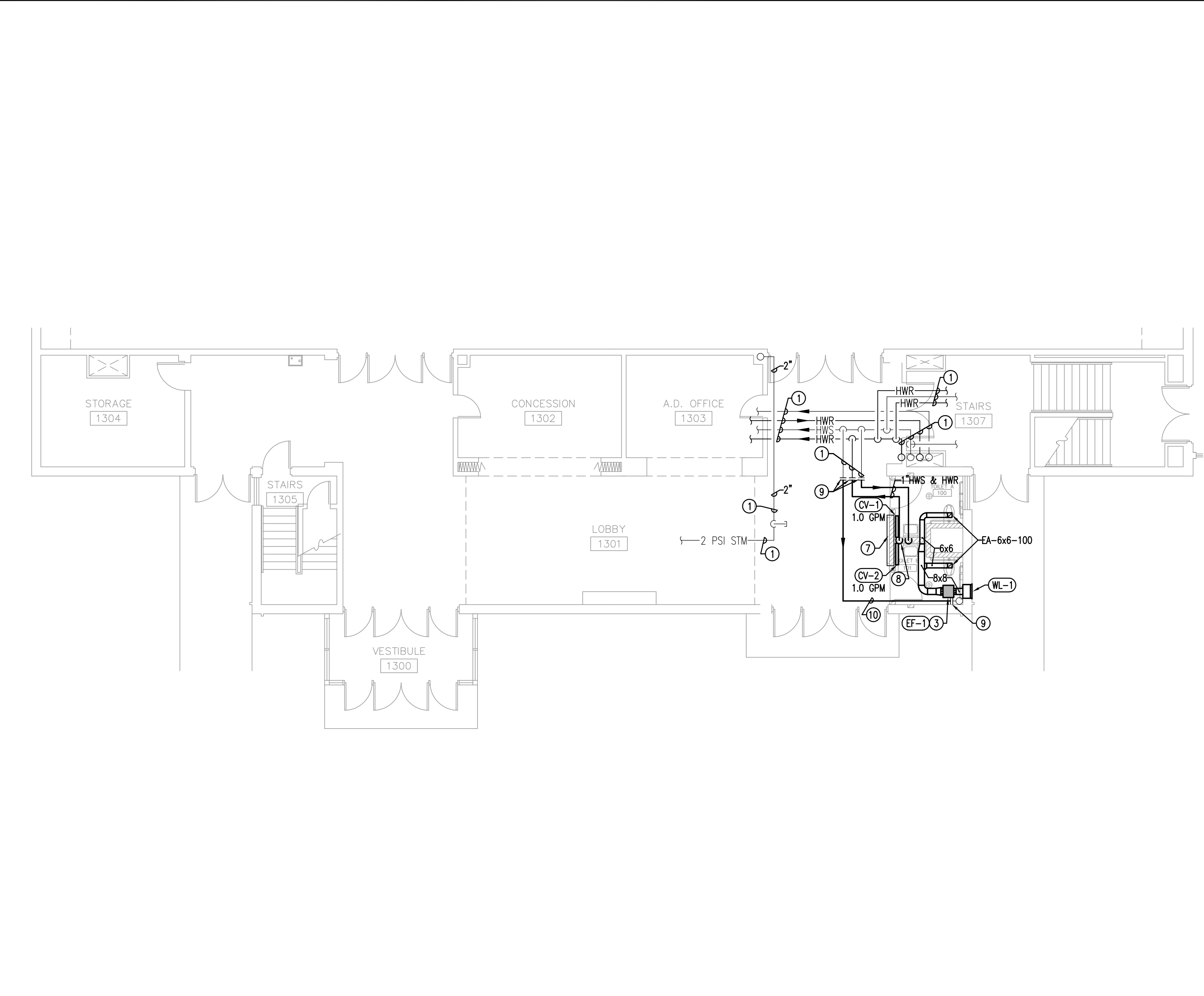
EXHAUST FAN SCHEDULE												
EQUIPMENT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	MIN. WHEEL DIA. (IN.)	CFM	SP (IN.)	FAN RPM	WATTS	NOTES
EF-1	TOILET 101	TOILET 100/101	GREENHECK	CSP-A250	INLINE CABINET FAN	DIRECT	---	200	0.5	1000	82.7	1-6
<div>NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: CARNES, COOK, PENA. 2. GRAVITY BACKDRAFT DAMPER. 3. DISCONNECT SWITCH. 4. NEOPRENE VIBRATION ISOLATION HANGING KIT. 5. SOLID STATE SPEED CONTROL. 6. MOTOR WITH THERMAL OVERLOAD.</div>												

WALL LOUVER SCHEDULE											
EQUIPMENT TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	SIZE (W x H x D)	MIN. FREE AREA (SQ.FT.)	CFM	FREE AREA VELOCITY (FPM)	P.D. (IN. H <sub>2</sub> O)	WATER PENETRATION VELOCITY (FPM)
WL-1	TOILET	EF-1	RUSKIN	EMES2000	ALUMINUM WIND-DRIVEN RAIN RESISTANT DOUBLE DRAINABLE	18"x12"x5"	0.39	200	513	0.01	1250
<div>NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: WILCOX, SPENCER, WILCOX. 2. COLOR &amp; FINISH TO BE SELECTED BY ARCHITECT. 3. PROVIDE BIRDSCREEN. 4. LOUVER TO FIT ARCHITECTURAL WALL OPENING. VERIFY EXACT SIZE PRIOR TO FABRICATION. 5. PROVIDE BIRDSCREEN.</div>											

CONVECTOR SCHEDULE														
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	TYPE	HEATING COIL				COIL CONNL.	CABINET				
					MBH	GPM	W. PRESS. (FT)	EMT (F°)		MOUNTING	ARRANGE.	LENGTH	HEIGHT	DEPTH
CV-1	TOILET	RITTLING	SL-18-28-04	SLOP TOP WALL MOUNTED	2.8	1.0	0.3	180.0	65.0	LEFT	WALL TOP OUT. BOT. RET.	28	18	4
CV-2	TOILET	RITTLING	SL-18-28-04	SLOP TOP WALL MOUNTED	2.8	1.0	0.3	180.0	65.0	LEFT	WALL TOP OUT. BOT. RET.	28	18	4
<div>NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: VULCAN, TRANE, STERLING. 2. COLOR TO BE SELECTED BY ARCHITECT. 3. PROVIDE HEX HEAD LIMITED ACCESS FASTENERS.</div>														

A1MECHANICAL SCHEDULES

J10PARTIAL FIRST FLOOR HVAC DEMOLITION PLAN - TOILET ROOMS



E10PARTIAL FIRST FLOOR HVAC PLAN - TOILET ROOMS

- EXISTING PIPING AND VALVING TO REMAIN.
- NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL PIPING, VALVING, HANGERS, INSULATION, ETC. SHOWN DASHED BEYOND THIS POINT.
- EXHAUST FAN SHALL BE CONTROLLED BY BAS. COORDINATE EXHAUST FAN CONTROL WITH CONTROL CONTRACTOR.
- REMOVE CONVECTOR AND ALL ASSOCIATED PIPING, VALVING AND CONTROLS.
- REMOVE AND RELOCATE EXISTING ELECTRIC CABINET UNIT HEATER AND EXTEND ALL ASSOCIATED ELECTRICAL WIRING AND CONTROL WIRING TO NEW LOCATION.
- REMOVE ALL STEAM PIPING, VALVING, HANGERS, INSULATION, ETC. REMAINING FROM PREVIOUS STEAM CABINET UNIT HEATER AND CAP AT MAN AS REQUIRED TO CLEAR NEW PIPING AND EQUIPMENT. REMOVE STEAM CONDENSATE PIPE AND CAP BELOW FLOOR IF ANY REMAINING CONDENSATE PIPING ABOVE FLOOR.
- NEW LOCATION OF EXISTING RELOCATED ELECTRIC CABINET UNIT HEATER.
- 3/4" HWS&R CONNECT TO CONNECTOR.
- MAKE NEW CONNECTION TO EXISTING PIPING AT THIS LOCATION.
- RELOCATE EXISTING PIPING AS REQUIRED TO CLEAR NEW DUCTWORK OR HVAC EQUIPMENT. FIELD VERIFY EXACT RELOCATED PIPING LOCATION.

N21DRAWING NOTES



A21KEY PLAN

NO.	ISSUANCE		DESCRIPTION
	DATE	ISSUED FOR BID AND PERMIT	
1	08-31-15		



PROFESSIONAL SEAL

EXPIRATION DATE

5-22-2015	CS2	CS2	CS2
DATE	DRAWN	CHECKED	APPROVED

AUBURN HIGH SCHOOL-GYMNASIUM LIFT and ADA Toilet Rooms  
ROCKFORD PUBLIC SCHOOL DISTRICT 205  
5110 Auburn St  
Rockford, IL 61101

SHEET NO.  
**AHS-M1.1.0**

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**CEILING NOTE:**  
REFER TO ARCHITECTURAL PLANS FOR CEILING WORK IN CONTRACT TO BE PERFORMED BY OTHER TRADES. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON ARCHITECTURAL PLANS AND ABATEMENT PLANS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED. COORDINATE REMOVAL OF CEILINGS WITH STRUCTURAL CONTRACTOR.

**SLAB PATCHING NOTE:**  
REFER TO ARCHITECTURAL PLANS FOR CONCRETE SLAB PATCHING WORK IN CONTRACT TO BE PERFORMED BY THE CONCRETE CONTRACTOR.

MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB PATCHING WORK NOT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED TO PERFORM THEIR WORK. THIS INCLUDES REPLACEMENT OF ANY CONCRETE SLABS DAMAGED DURING CONSTRUCTION/ DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CONCRETE SLABS OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS.

**PNEUMATIC PIPING DEMOLITION NOTE:**  
ALL BRANCH PNEUMATIC PIPING TO BE DEMOLISHED SHALL BE REMOVED TO THE MAIN AND CAPPED. CRIMPING OF PIPING SHALL NOT BE TOLERATED.

#### HVAC/PLUMBING/ELECTRICAL COORDINATION SCHEDULE

**NOTES:**

- DEVICES TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR (MARKED "E"), HVAC CONTRACTOR (MARKED "HV"), GAS CONTRACTOR (MARKED "G"), PLUMBING CONTRACTOR (MARKED "P"), FIRE PROTECTION CONTRACTOR (MARKED "FP"), OR MANUFACTURER (MARKED "MANUF").
- ALL CONDUIT AND WIRING FOR TEMPERATURE CONTROL AND EQUIPMENT INTERLOCK SHALL BE BY GAS CONTRACTOR. OTHER CONTROLS AND CONTROL CONDUIT/WIRING BY TRADE FURNISHING RESPECTIVE EQUIPMENT.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF COMPONENTS BEFORE INSTALLATION OF WORK. ALL OTHER CONTRACTORS SHALL ADVISE ELECTRICAL CONTRACTOR OF ANY MOTOR/DEVICE CHANGES.
- ALL LOOSE STARTERS SHALL INCLUDE HOA SWITCH, CONTROL TRANSFORMER, AND ONE N.O. AND ONE N.C. AUXILIARY CONTACTS. ALL SINGLE PHASE EXHAUST FAN CONTROL SWITCHES SHALL HAVE IDENTIFICATION NAMEPLATE AND PILOT LIGHT.
- SEE SPECIFICATIONS AND DRAWINGS FOR TYPES AND LOCATIONS OF DEVICES SCHEDULED BELOW.

EQUIPMENT TAG	EQUIPMENT DESCRIPTION	UNIT MOUNTED DEVICES				REMOTE OR LOOSE DEVICES			REMARKS
		STARTER	DISCONNECT	OVERCURRENT PROTECTION	SINGLE POINT CONNECTION	STARTER	DISCONNECT	OVERCURRENT PROTECTION	
EF	EXHAUST FAN		MANUF			SEE REMARKS		E	FOR STARTER INFORMATION, REFER TO EQUIPMENT SCHEDULE AND SEQUENCE OF OPERATIONS

#### H7 HVAC/PLUMBING/FIRE PROTECTION/ELECTRICAL COORDINATION SCHEDULE

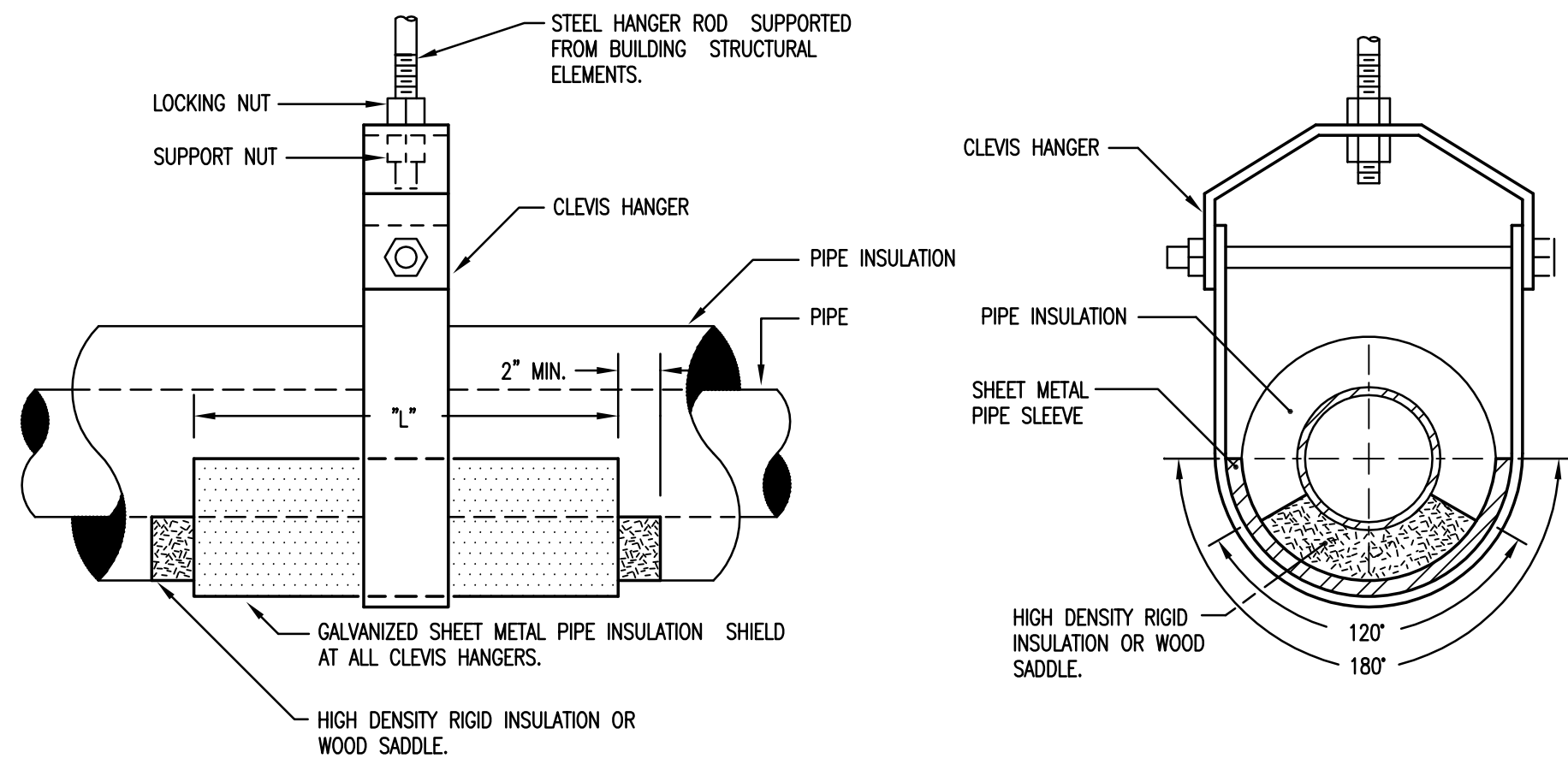
N.T.S.

- DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EXACT RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
- IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARITY OF PRESENTATION.
- CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY OWNER/ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
- CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
- WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
- CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLLUMS AND WALLS AS SHOWN ON THE DRAWINGS AS REQUIRED BY JOB SITE CONDITIONS AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLLUMS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER.
- THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS DIRECTED.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTOR'S WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
- CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW BUILDING CONSTRUCTION ALREADY IN PLACE AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY PREVIOUSLY INSTALLED NEW BUILDING CONSTRUCTION. ANY PREVIOUSLY INSTALLED FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR WHO DAMAGED THEM TO THE SATISFACTION OF THE ARCHITECT AND OWNER.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE RESIDENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
- UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSIDERED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALETTES. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED OUTSIDE THE BUILDING ON THE SITE UNLESS IT IS SUPPORTED OFF THE GROUND AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
- THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
- CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEET THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT SUBMITTED FOR REVIEW REQUIRES MODIFICATIONS TO THE WORK OF OTHER CONTRACTORS, SUBMITTING CONTRACTOR SHALL PAY FOR ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT FUNCTION SAFELY AND PROPERLY.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH CONSTRUCTION OF THE BUILDING, INCLUDING VERIFYING THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF HIS NEW EQUIPMENT INTO THE BUILDING AREAS WHICH WILL ALREADY BE CONSTRUCTED WHEN HIS EQUIPMENT IS READY TO BE INSTALLED. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO PREVIOUS SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLT HOUSING FOR ENTRANCE INTO THE SPACE OR BUILDING. CONTRACTOR SHALL RESEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT HIS OWN EXPENSE.

#### A7 GENERAL NOTES - ALL CONTRACTORS

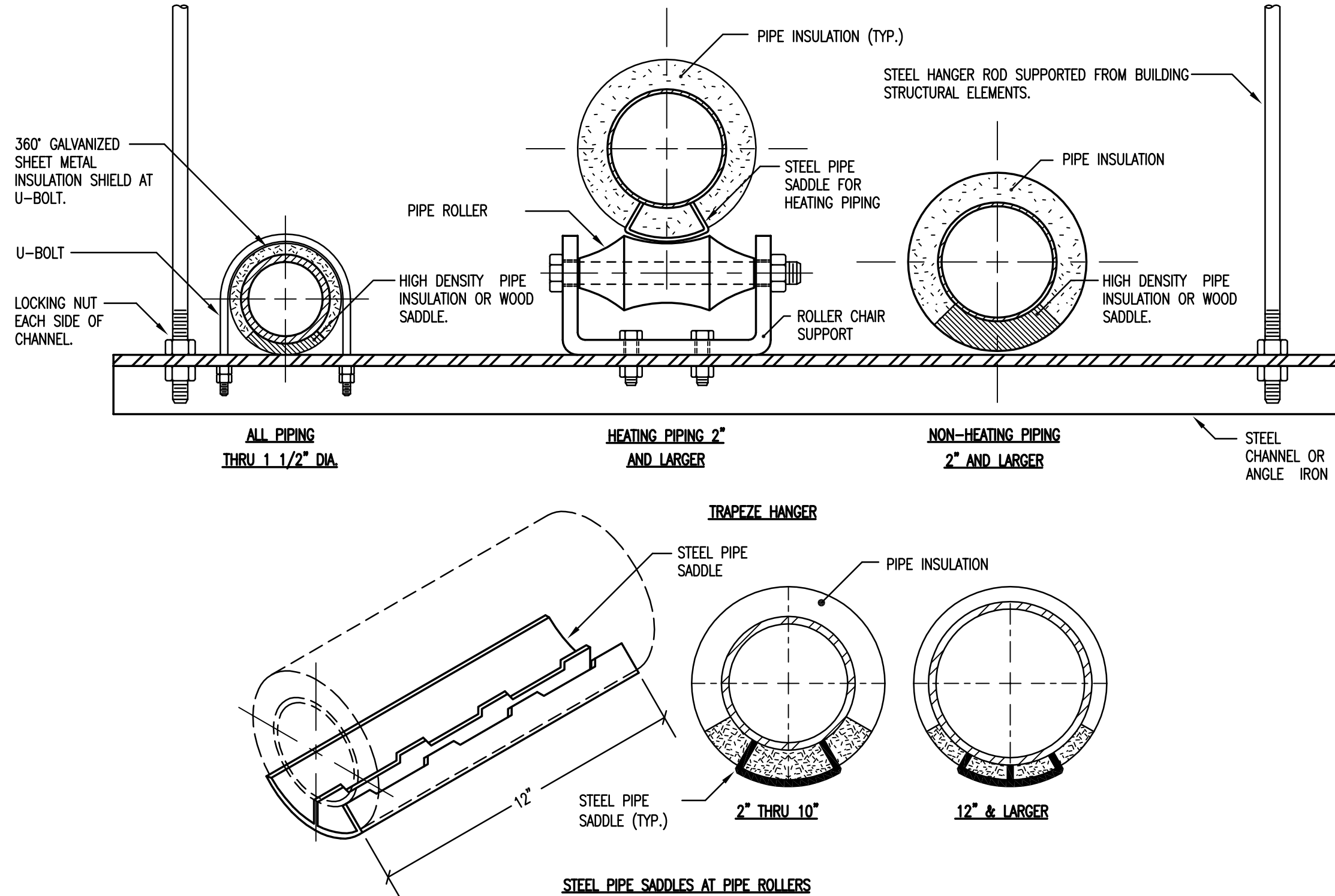
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**CLEVIS HANGER**

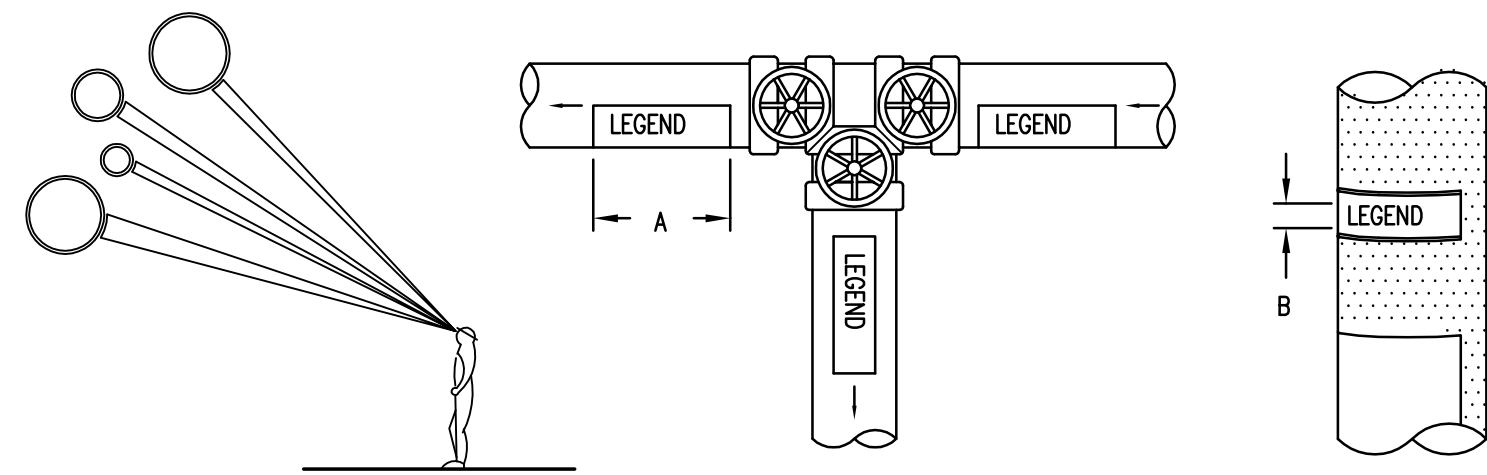
PIPE INSULATION SHIELD SCHEDULE		
PIPE SIZE	LENGTH	GAUGE
UP TO 3/4"	8"	20 GA.
1" - 2"	12"	18 GA.
2 1/2" - 4"	12"	16 GA.
5" & 6"	18"	16 GA.
8" & UP	24"	14 GA.

**NOTE:** 1. CONF. WITH ARCHITECT AND REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON ACCEPTABLE METHODS AND LOCATIONS FOR HANGER SUPPORTS.



#### H17 TYPICAL PIPE HANGER DETAILS

N.T.S.



**NOTE:**  
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 20'-0" INTERVALS, ADJACENT TO ALL VALVES OR BRANCHES, AND AT BOTH SIDES OF WALL/FLOOR PENETRATIONS. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1 1/4"	8"	1/2"
1 1/2" TO 2"	9"	3/4"
2" 1/2" TO 6"	12"	1 1/4"
6" TO 10"	24"	2 1/2"
OVER 10"	32"	3 1/2"

SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
CONDENSATE	YELLOW	BLACK ON YELLOW
HOT WATER HEATING SUPPLY	YELLOW	BLACK ON YELLOW
HOT WATER HEATING RETURN	YELLOW	BLACK ON YELLOW
SANITARY DRAIN	GREEN	WHITE ON GREEN
PLUMBING VENT	GREEN	WHITE ON GREEN
STORM WATER	GREEN	WHITE ON GREEN
DOMESTIC COLD WATER	GREEN	WHITE ON GREEN
DOMESTIC HOT WATER	YELLOW	BLACK ON YELLOW
DOMESTIC HOT WATER CIRC.	YELLOW	BLACK ON YELLOW

#### A17 TYPICAL PIPE IDENTIFICATION MARKERS

N.T.S.

ISSUANCE		DESCRIPTION	
NO.	DATE	ISSUED FOR BID AND PERMIT	
1	08-31-15		

**HAGNEY**  
ARCHITECTS  
LLC

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AUBURN HIGH SCHOOL- GYMNASIUM LIFT and ADA Toilet Rooms  
ROCKFORD PUBLIC SCHOOL DISTRICT 205  
5110 Auburn St  
Rockford, IL 61101

MECHANICAL/ELECTRICAL COORDINATION NOTES AND DETAILS

SHEET NO.

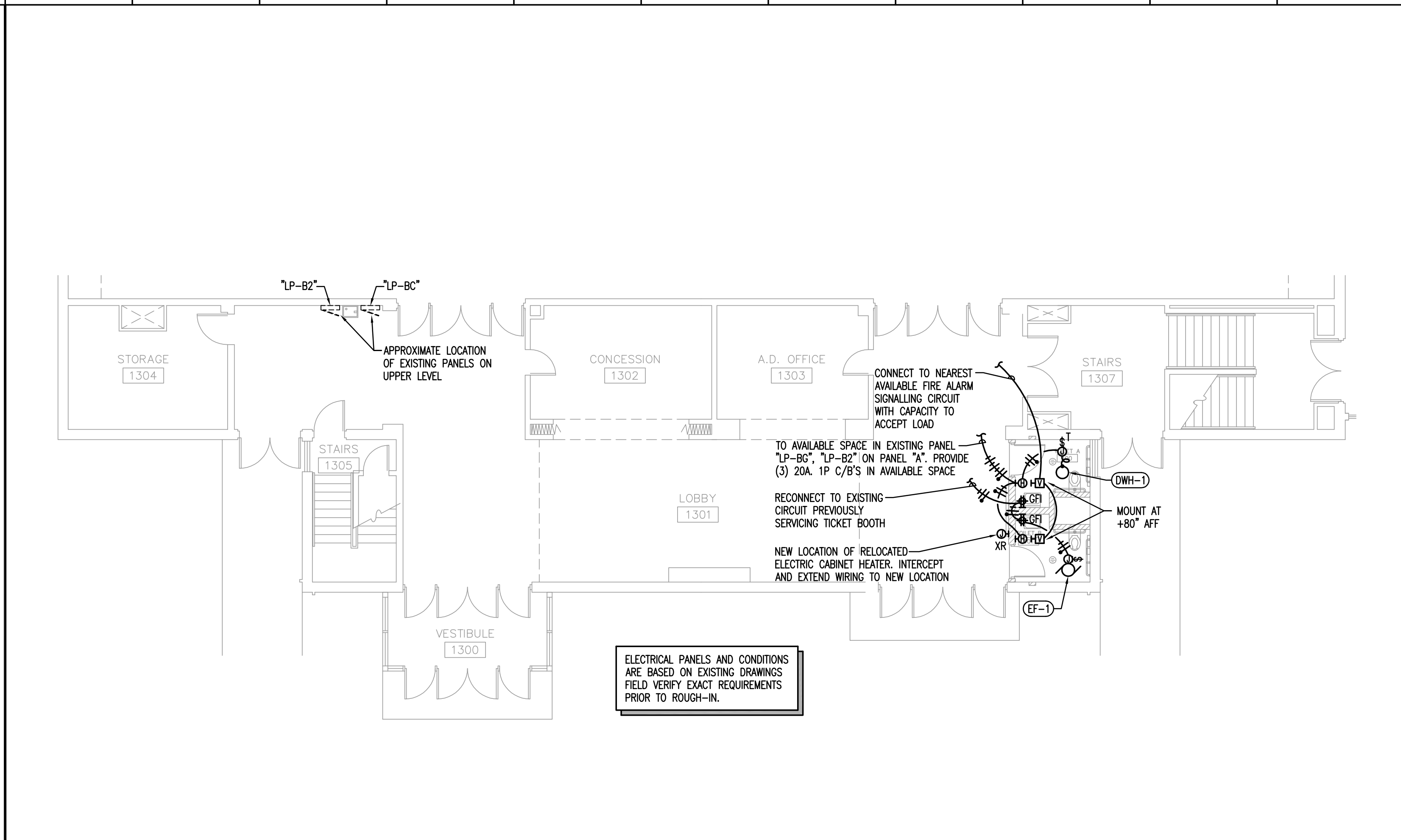
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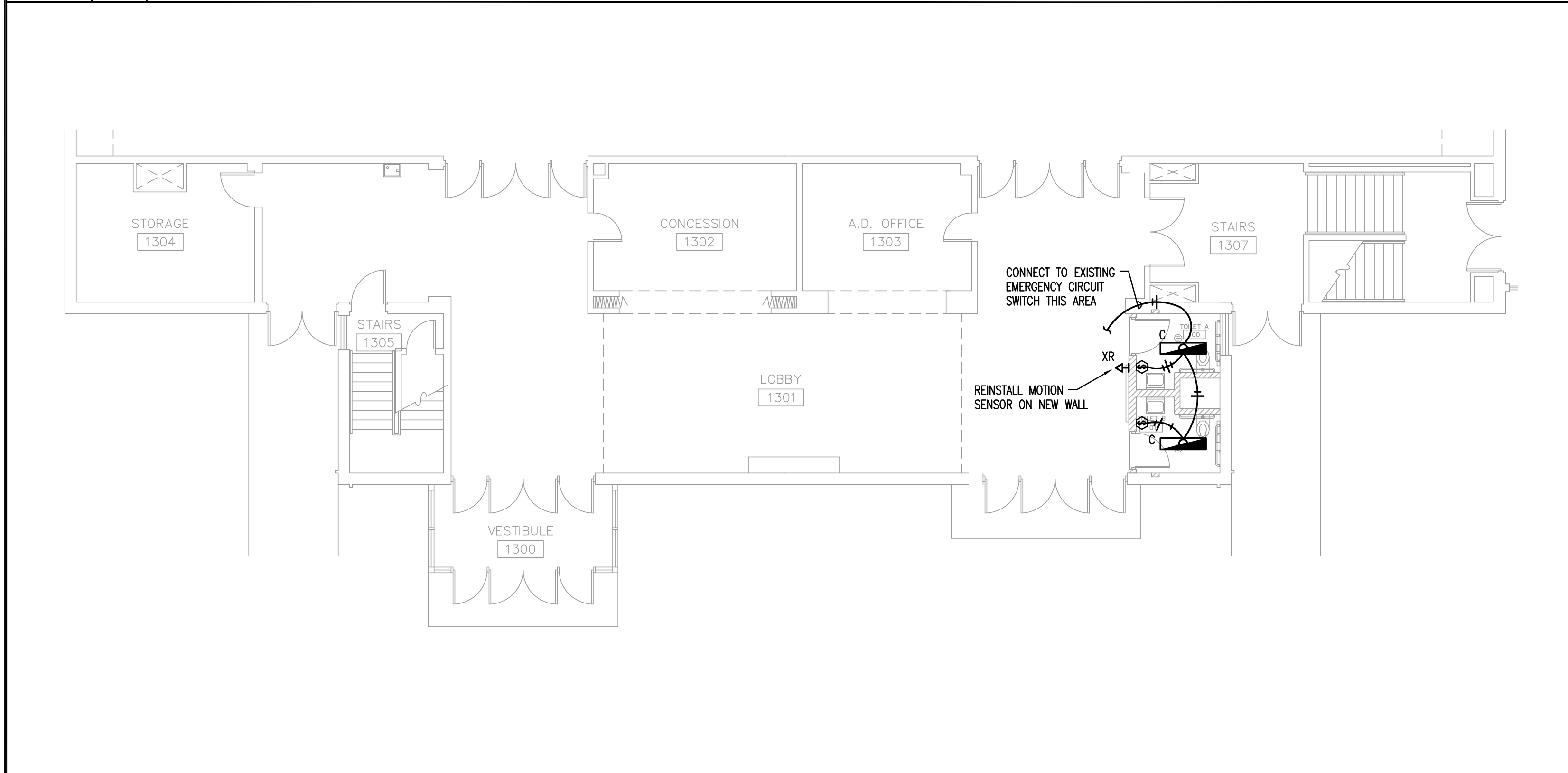


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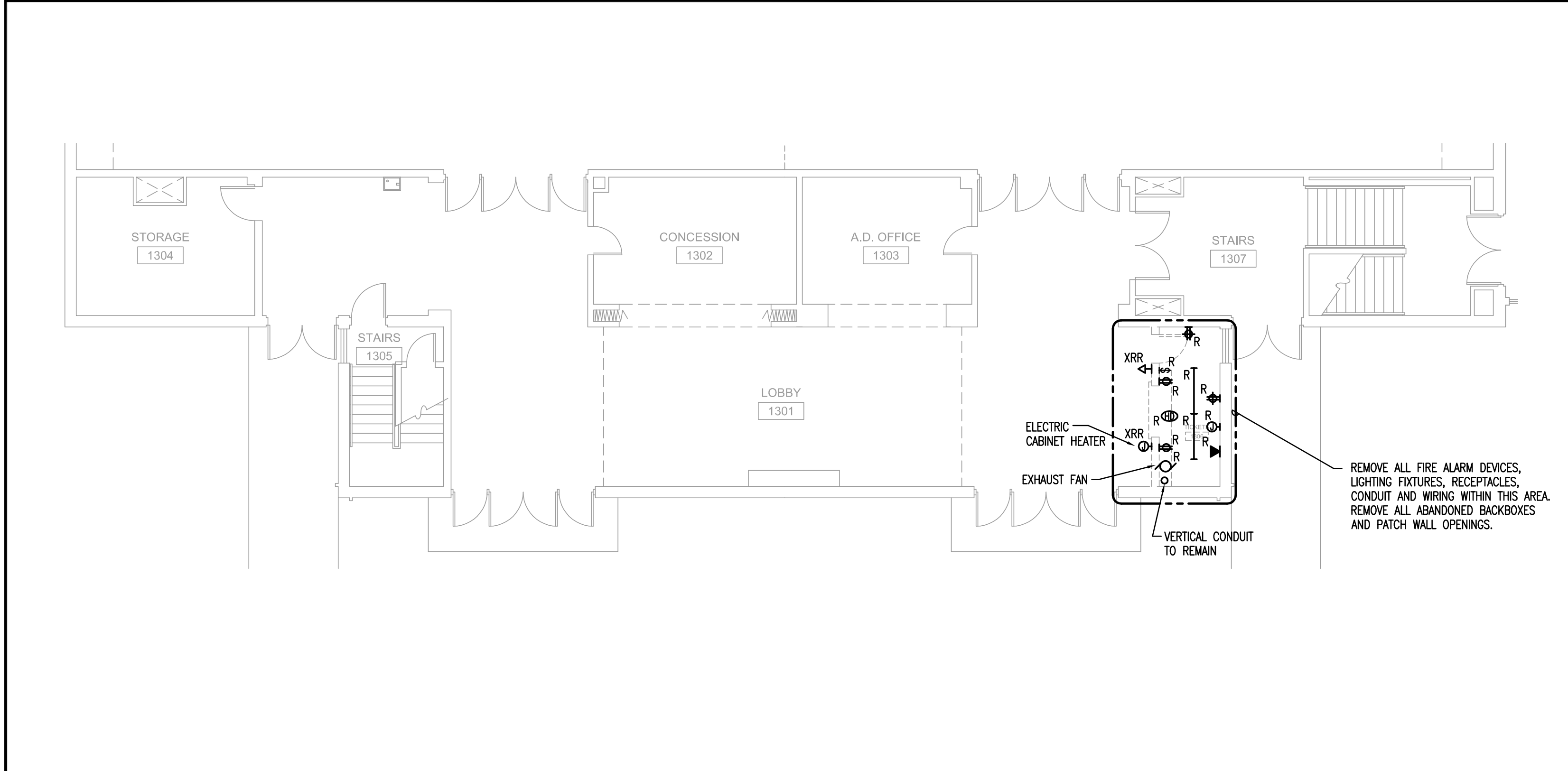
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**L10 PARTIAL FIRST FLOOR POWER PLAN - TOILET ROOMS**  
SCALE: 1/8"=1'-0"



**F10 PARTIAL FIRST FLOOR LIGHTING PLAN - TOILET ROOMS**  
SCALE: 1/8"=1'-0"



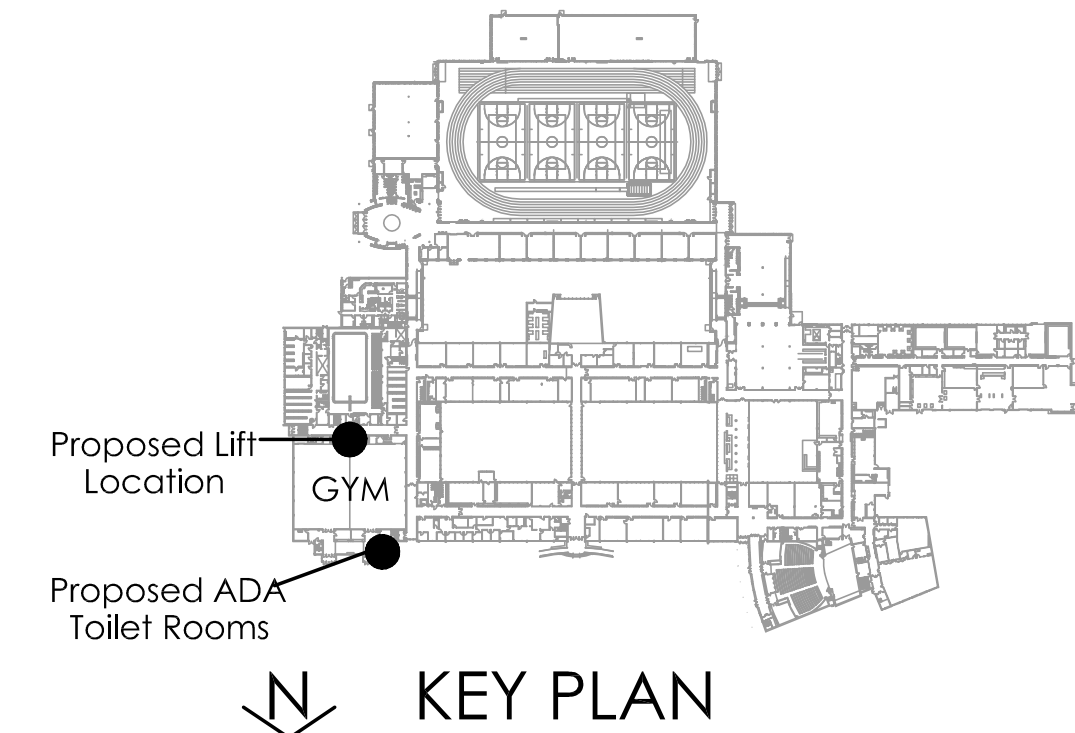
**A10 PARTIAL FIRST FLOOR ELECTRICAL DEMOLITION PLAN - TOILET ROOMS**  
SCALE: 1/8"=1'-0"

1. THE MINIMUM WIRE SIZE SHALL BE 12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE 10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING TO LIGHTING FIXTURES AND END OF THE LINE RECEPTACLES ONLY. ALL LIGHTING AND POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A 1 POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS OTHERWISE NOTED. PROVIDE LOCK-ON CIRCUIT BREAKER DEVICE FOR ALL EMERGENCY LIGHTING & EXIT SIGN BRANCH CIRCUITS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.

**H21 LIGHTING/POWER GENERAL NOTES**  
N.T.S.

- ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
- ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED FOR ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTORS WORK.
- IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
- THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRICAL WATER HEATERS AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS. ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

**C21 DEMOLITION DRAWING NOTES**  
N.T.S.



**A21 KEY PLAN**  
N.T.S.

ISSUANCE	DESCRIPTION	DATE	NO.
	ISSUED FOR BID AND PERMIT	08-31-15	1

837 Calumet Street  
Evanston, IL 60201  
Phone: 847.981.1880  
www.cs2designgroup.com

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EXPIRATION DATE

DATE: 5-22-2015

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APPROVED	CSD

AUBURN HIGH SCHOOL-GYMNASIUM LIFT and ADA Toilet Rooms  
ROCKFORD PUBLIC SCHOOL DISTRICT 205  
5110 Auburn St  
Rockford, IL 61101

PARTIAL FIRST FLOOR ELECTRICAL PLANS

SHEET NO.

**AHS-E1.1.0**

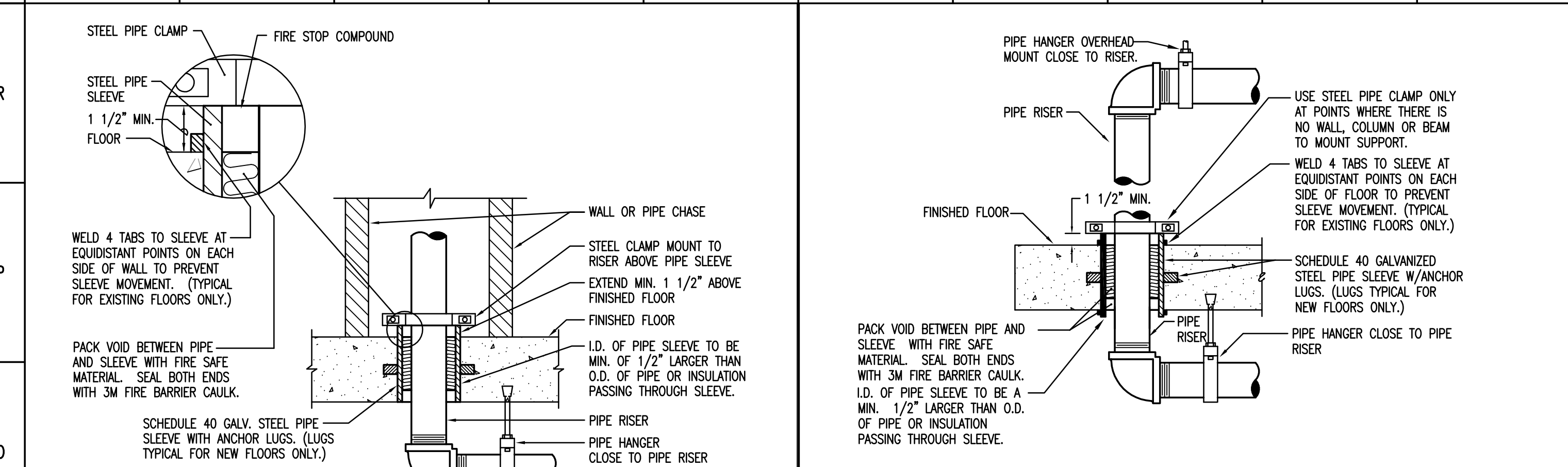
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DOMESTIC WATER HEATER SCHEDULE											
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	TYPE	INPUT (WATTS)	TANK VOLUME (GALLONS)	GPH 80° RISE	AMPS	PHASE	VOLT	NOTES
DWH-1	ABOVE TOILET ROOM CEILING	A.O. SMITH	DEL-6	ELECTRICAL VERTICAL STORAGE	1,500	6	8	12.5	1	120	1,2
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: STATE, BROADFORD WHITE, LOCHINVAR. 2. 3/4" WATER CONNECTIONS AT WATER HEATER.											

DOMESTIC WATER EXPANSION TANK SCHEDULE						
EQUIPMENT TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	CAPACITY
DWET-1	ABOVE TOILET ROOM CEILING	DOMESTIC WATER SYSTEM	AMTROL	ST-5	BLADDER	2.0 GAL. TANK/.90 GAL. ACCEPT.
NOTES: 1. TANK TO BE SPECIFICALLY FOR USE IN POTABLE WATER SYSTEMS. 2. BLADDER SHALL BE MADE OF BUTYL RUBBER. (FDA APPROVED) 3. 3/4" SYSTEM CONNECTION 4. TANK SIZE: 8" x 13" TALL						

## 010 PLUMBING DOMESTIC WATER HEATER SCHEDULE AND WATER EXPANSION TANK SCHEDULES

PLUMBING FIXTURE AND SPECIALTY SCHEDULE					
PLUMBING FIXTURE TAG	TYPE	MANUFACTURER AND MODEL	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	NOTES
HWC-1	HANDICAP WATER CLOSET	BOWL: KOHLER MODEL KINGSTON K-4330 FLUSH VALVE: SLOAN 111 SEAT: BOWEN 2155-SSCT CARRIER: J.R. SMITH	WALL HUNG, SIPHON JET, 1.6 GALLON FLUSH, WHITE VITREOUS CHINA, BOWL WITH ELONGATED RIM AND 1 1/2" TOP SPUD. FLUSH VALVE SHALL BE EXPOSED CHROME PLATED, NON-HOLD OPEN HANDLE. INTEGRAL SCREWDRIVER STOP AND VACUUM BREAKER. SEAT SHALL BE WHITE PLASTIC, OPEN FRONT EXTENDED BACK, SELF-SUSTAINING HINGE AND STAINLESS STEEL BOLTS.	BOWL: AMERICAN STANDARD, ELIER AND CRANE FLUSH VALVE: ZURN SEAT: CHURCH, OLSONITE & SPERZAL CARRIER: WADE, ZURN, WATTS & JOSAM	1
HL-1	HANDICAP LAVATORY	BOWL: KOHLER MODEL KINGSTON K-2005 TRIM: MOEN COMMERCIAL 8886 CARRIER: J.R. SMITH	WHITE VITREOUS CHINA, WALL HUNG LAVATORY, 21x18 MINIMUM, 5" HIGH BACK, DRILLINGS ON 4" CENTERS, CONCEALED ARM SUPPORT, RECTANGULAR BASIN WITH SPLASH UP AND FRONT OVERFLOW. TRIM SHALL BE SELF CONTAINED METERING MECHANISM, ADA COMPLIANT LEVER STYLE HANDLES, 4" CENTERS, 6 1/2" SPOUT AND CHROME PLATED FINISH.	BOWL: AMERICAN STANDARD, ELIER AND CRANE TRIM: CHICAGO FAUCET, TAS AND ZURN CARRIER: WATTS, ZURN & JOSAM	1,2,3,4,5
FD-1	FLOOR DRAIN	MFAB MODEL: F110-C-1	FLOOR DRAIN SHALL BE LAQUERED CAST IRON TWO PIECE WITH DOUBLE DRAINAGE FLANGE AND WEEP HOLES, ROUND ADJUSTABLE STAINLESS STEEL STRAINER, TRAP PRIMER, AND SEPARATE CAST IRON "P" TRAP.	JR SMITH, WATTS, ZURN, JOSAM & WADE	
FCD	FLOOR CLEANOUT	MFAB MODEL: C1004-R-C-3	FLOOR CLEANOUT SHALL BE DUCTO CAST IRON, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, BRASS GASKETED PLUS, MEMBRANE CLAMP AND ADJUSTABLE MEDIUM LOAD STAINLESS STEEL ROUND	JR SMITH, WATTS, ZURN, JOSAM & WADE	
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD MODEL: 170-LF	ROUGH BRONZE FINISH, LOCKING TEMPERATURE REGULATOR, INTEGRAL TEMPERATURE ADJUSTMENT, AND TO INCLUDE ACCESSORIES: STRAINER ON INLETS & COMBINATION STOP CHECKS ON INLETS. VALVE TO BE ASSE 1070 APPROVED.	LEONARD, LAMLER, POWERS, & BRADLEY	
NOTES: 1. FIXTURE SHALL BE ADA COMPLIANT AND MOUNTED AT HANDICAP HEIGHT. 2. CHROME PLATED 17 GAGE BRASS P-TRAP AND ARM ESCUTCHEON. 3. ANGLE STOP VALVE WITH CHROME PLATED RIGID SUPPLIES. 4. INSULATE DRAIN AND SUPPLY PIPING WITH INSULA-TECH 100 INSULATION OR APPROVED EQUAL. 5. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE BELOW LAVATORY.					

SANITARY SEWER AND VENT PIPING, BURIED WITHIN 5 FEET OF BUILDING  
CAST IRON PIPE - ASTM A74 SERVICE WEIGHT.  
FITTINGS: CAST IRON.  
JOINTS: HUB-AND-SPIGOT, CSPI HSN COMPRESSION TYPE WITH ASTM C564 NEOPRENE GASKETS OR LEAD AND OAKUM.

SANITARY AND VENT PIPING, ABOVE GRADE  
CAST IRON PIPE - ASTM A74, SERVICE WEIGHT.  
FITTINGS: CAST IRON.  
JOINTS: ASTM C564, NEOPRENE GASKET SYSTEM OR LEAD AND OAKUM.  
CAST IRON PIPE - CSPI 301, HUBLESS, SERVICE WEIGHT.  
FITTINGS: CAST IRON.  
JOINTS: CSPI 301, NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.

WATER PIPING, ABOVE GRADE  
COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN.  
FITTINGS: ASME B16.18, CAST COPPER ALLOY OR ASME B16.22, WROUGHT COPPER AND BRONZE.  
JOINTS: ASTM B32, SOLDER, GRADE 95TA.

BALL VALVES  
ACCEPTABLE MANUFACTURERS: MILWAUKEE, NIBCO, STOCKHAM, APOLLO, JOMAR.

2 INCHES AND SMALLER, CONSTRUCTION: MSS SP-110, 600 PSI, BRONZE, TWO PIECE BODY, FULL PORT STAINLESS STEEL BALL, TETON SEATS WITH STUFFING BOX RING, BLOW-OUT PROOF STEM, LEVER HANDLE AND SOLDER ENDS.

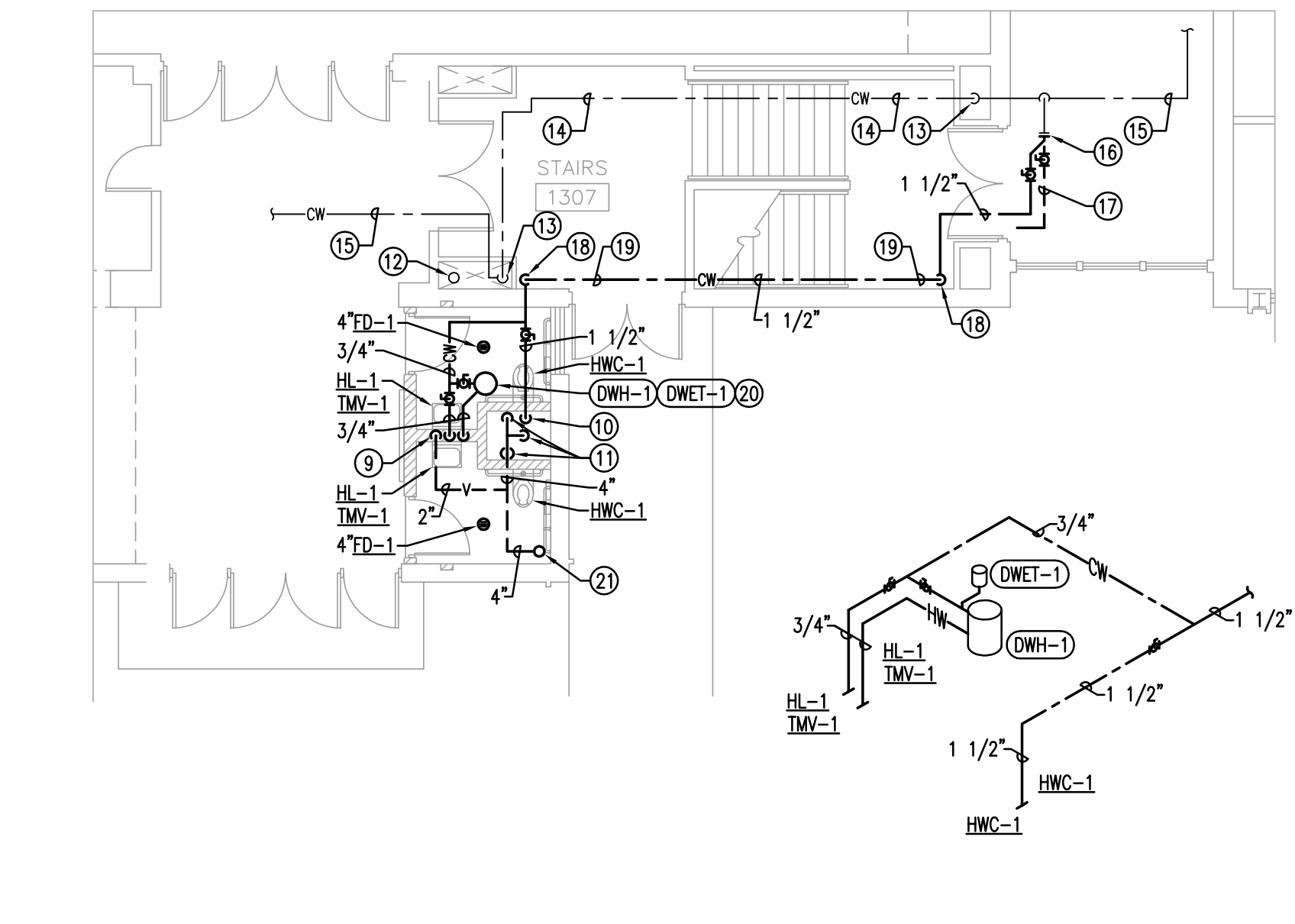
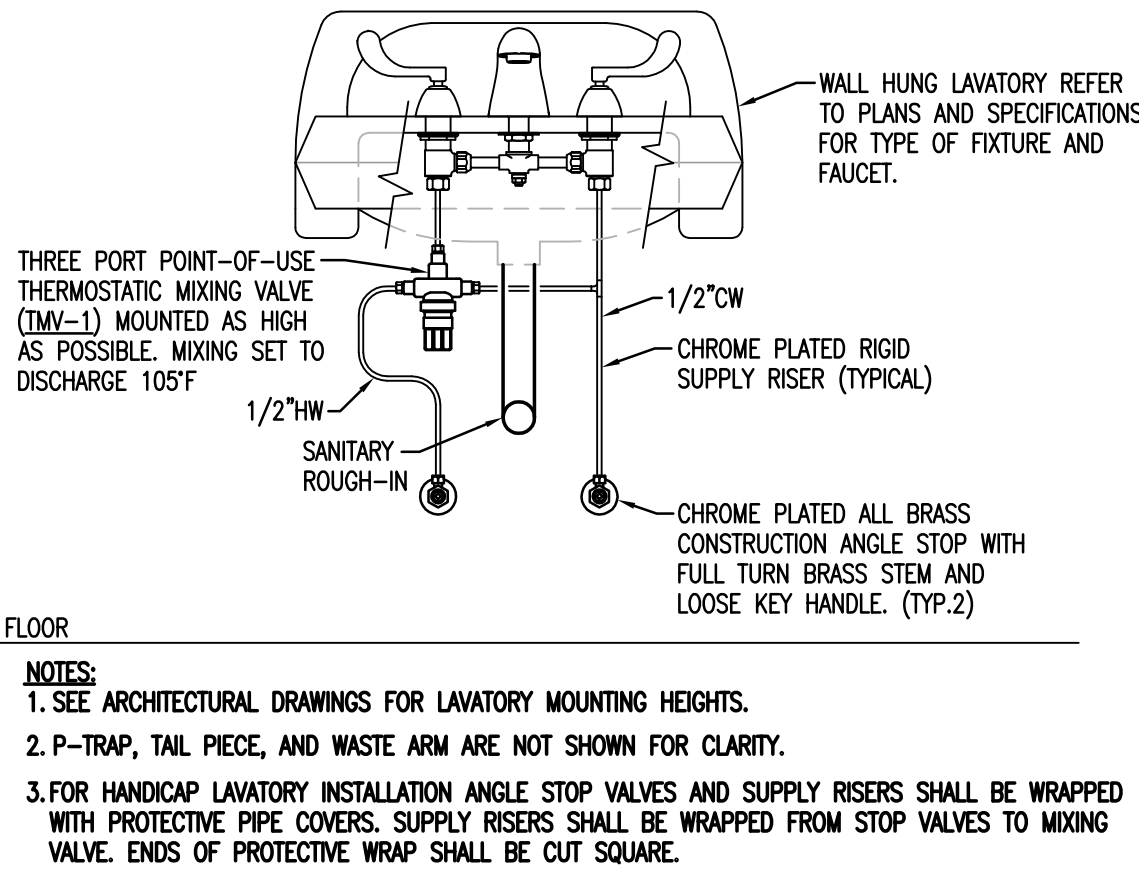
NSF/ANSI STANDARD 61, NSF 61 ANNEX F, NSF 61 ANNEX G AND NSF 372 - LOW LEAD AND LEAD FREE BRASS

INSULATION:  
ACCEPTABLE MANUFACTURERS: CERTAIN TEED, KNAUF, JOHNS MANVILLE, OWENS-CORNING.

ASTM C547, MOLDED GLASS FIBER PIPE INSULATION, THERMAL CONDUCTIVITY: .23 AT 75 DEGREES F  
OPERATING TEMPERATURE RANGE: 0 TO 850 DEGREES F  
VAPOR BARRIER JACKET: ASTM C1136, TYPE 1, FACTORY APPLIED WHITE REINFORCED FOIL DRAFT WITH SELF-SEALING ADHESIVE JOINTS.

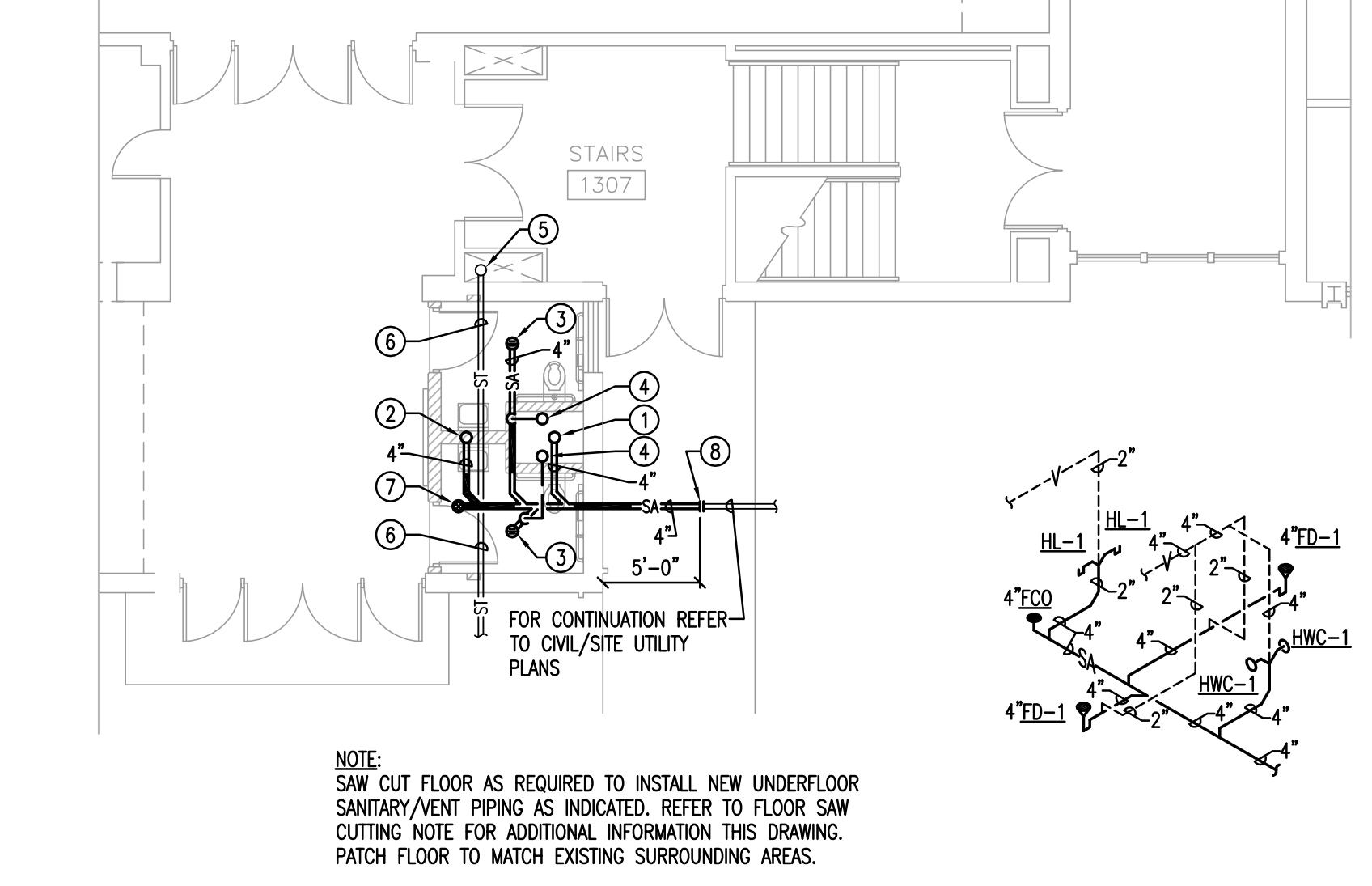
ASTM D1784, WHITE PVC PLASTIC, ONE PIECE MOLDED TYPE FITTING COVERS AND VALVE COVERS.

## K10 PLUMBING FIXTURE AND SPECIALTY SCHEDULES



## E10 PARTIAL FIRST FLOOR PLUMBING PLAN - TOILET ROOMS

SCALE: 1/8"=1'-0"



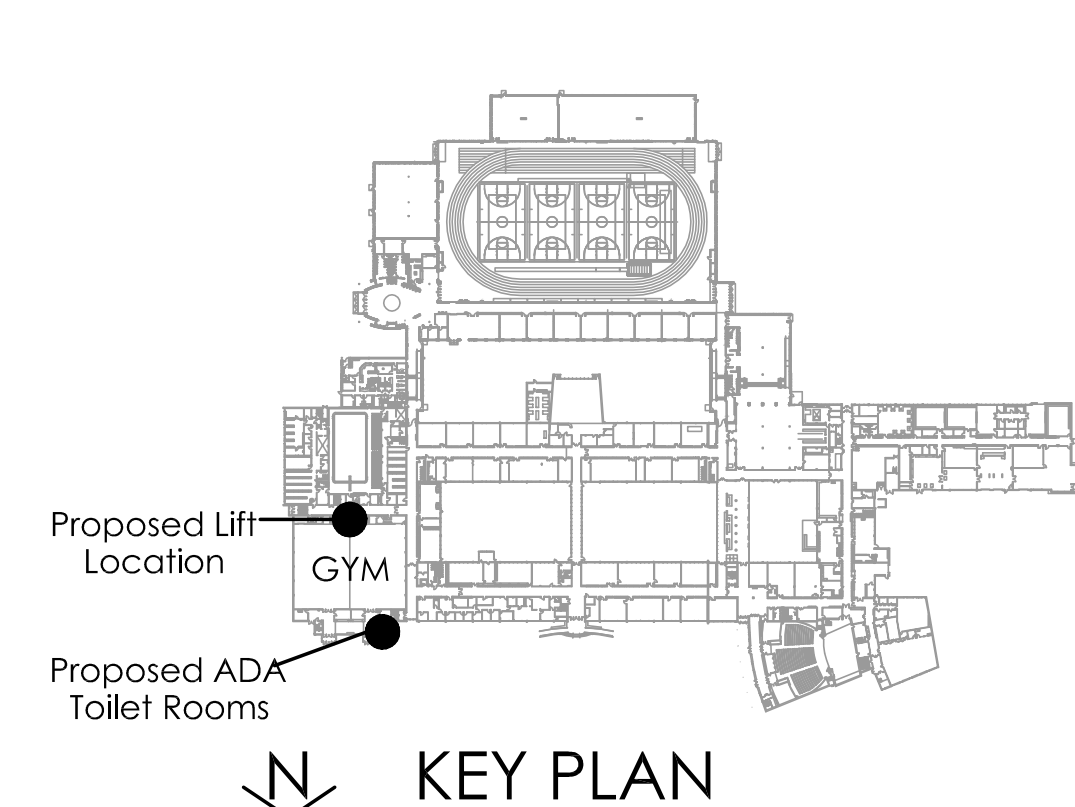
## A10 PARTIAL UNDERFLOOR PLUMBING PLAN - TOILET ROOMS

SCALE: 1/8"=1'-0"

## K21 SPECIFICATIONS

- 4" UNDERFLOOR SANITARY UP IN CHASE.
- 2" UNDERFLOOR SANITARY UP IN WALL.
- 4" UNDERFLOOR SANITARY UP TO FLOOR DRAIN (4"TD-1).
- 2" UNDERFLOOR VENT UP IN CHASE.
- EXISTING UNDERFLOOR STORM RISER TO REMAIN.
- EXISTING UNDERFLOOR STORM PIPING TO REMAIN. CONTRACTOR TO FIELD VERIFY PIPING LOCATION AND INVERT VIA PIPE LOCATING/TELEVISION EQUIPMENT.
- 4" UNDERFLOOR SANITARY UP TO FLOOR CLEANOUT (4"TD).
- COORDINATE WITH CIVIL/SITE UTILITY PLANS LOCATION AND INVERT OF NEW 4" UNDERGROUND SANITARY INVERT.
- 2"V AND 3/4"TW/HW DOWN IN WALL TO FIXTURE.
- 1 1/2"TW DOWN IN CHASE.
- (2) 2"V AND (1) 4"V DOWN IN CHASE.
- EXISTING STORM RISER TO REMAIN.
- EXISTING CW PIPING DOWN IN EXISTING CHASE TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.
- EXISTING CW PIPING TO REMAIN. PIPING ROUTED ABOVE CEILING OF FIRST FLOOR.
- NEW CONNECTION TO BE MADE TO EXISTING PIPING AT THIS LOCATION. REMOVE ALL PIPING, VALVES, HANGERS, ETC SHOWN DASHED. ROUTE NEW PIPING AS SHOWN. COORDINATE NEW PIPE ROUTING WITH EXISTING CONDITIONS.
- REMOVE EXISTING PIPING, VALVES, HANGERS, ETC SHOWN DASHED. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.
- 1 1/2"TW PIPING UP THRU SECOND FLOOR. PIPING ROUTED TIGHT AS POSSIBLE TO EXISTING CORNER. PIPING ROUTED ABOVE CEILING OF SECOND FLOOR APPROXIMATELY 15'-0". NEW 4"SVR AT ROOF, VTR TO BE LOCATED A MINIMUM 10'-0" FOR ROOF EDGE AS WELL AS MINIMUM 12'-0" FROM ANY MECHANICAL AIR INTAKE. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

## D21 DRAWING NOTES



## A21 KEY PLAN

ISSUANCE	DESCRIPTION	ISSUED FOR BID AND PERMIT
NO.	DATE	
1	08-31-15	

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PROFESSIONAL SEAL
EXPIRATION DATE
5-22-2015
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AUBURN HIGH SCHOOL- GYMNASIUM LIFT and ADA Toilet Rooms  
ROCKFORD PUBLIC SCHOOL DISTRICT 205  
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Rockford, IL 61101

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AHS-P1.1.0  
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