

DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [1] Date: September 21, 2021

RE: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
301 W. ADAMS STREET
LA FARGE, WI 54639
HSR Project 19041-1

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated September 2021. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [4] pages, [4] bidding documents [4] specification sections and [29] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance attached hereto.
2. Document 00 11 13 Advertisement for Bids
 - a. Revised document attached hereto.
 - b. Corrected the spelling of the district administrator's name.
3. Document 00 30 00 Info to Bidders
 - a. Revised coversheet to include item 2.f.
 - b. Added document Cooperative Educational Services Agency 10 – 210913 La Farge Referendum. This document is a preliminary markup of locations of hazardous material abatement by the Owner.
4. Document 00 41 00 BID FORM
 - a. Revised Bid Form attached hereto.
 - b. Removed reference to Section 01 21 00 Allowances. The allowances section is not included in the bid documents.
 - c. Corrected the spelling of the district administrator's name.

CHANGES TO SPECIFICATIONS:

5. Section 05 50 00 METAL FABRICATIONS
 - a. Revised section attached hereto.
 - b. Added sub-paragraph to show grating for fabricated ladders.
 "2.03 A. 5. Grating: 1 1/4 x 1/8 inch galvanized welded bar grating."
 - c. Removed original paragraph 2.03 E. to remove the reference to catwalks.

6. Section 08 43 13 ALUMINUM-FRAMED STOREFRONTS

- a. Revised section attached hereto.
- b. Revised wording at paragraph 2.01 B. to clarify requirements of the narrower width storefront.

“B. Aluminum-Framed Storefront: Other frame depth: 3 9/16 inch.

- 1. Tubelite, Inc.: VersaTherm Storefront Framing
- 2. Substitutions: See Section 01 60 00 – Product Requirements.”

7. Section 09 84 30 SOUND-ABSORBING WALL AND CEILING UNITS

- a. Revised section attached hereto.
- b. Added the words “and Ceilings” at the end of sub-paragraph 2.01 C.
- c. Added sub-paragraph 2.03 B.

“Ceiling-Suspended Accessories: Manufacturer's standard accessories at 1/4 points on each acoustical unit, sized appropriately for weight of acoustical unit.”

8. Section 09 91 13 EXTERIOR PAINTING

- a. Revised section attached hereto.
- b. Revised sub-paragraph 1.01 C.5.a.

“Mechanical and Electrical:

- a. On the roof and outdoors, paint equipment that is exposed to weather or to view, including gas piping installed as part of the project.”

CHANGES TO DRAWINGS

9. Sheet A090 LOWER LEVEL DEMO – SEGMENT A & B 30 x 42 attached hereto

- a. Revisions clouded on drawing.
- b. Added elevation callout.

10. Sheet A103 LOWER LEVEL – SEGMENT A 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Added slab elevation callout and revised key note #2 related to concrete slab.

11. Sheet A107 FIRST FLOOR – SEGMENT C 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Added slab elevation and revised key note #2 related to concrete slab.

12. Sheet A110 LOWER LEVEL RCP – SEGMENT A & B 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Added key note callout to show existing ceiling structure to be painted in room M01.

13. Sheet A112 FIRST FLOOR RCP – SEGMENT B 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Added key note callouts to clarify extent of ceiling paint in corridor C102

14. Sheet A113 FIRST FLOOR RCP – SEGMENT C 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Revised ceiling layout to accommodate lighting.

15. Sheet A202 EXTERIOR ELEVATIONS 30 X 42 attached hereto

- a. Revisions clouded on drawing.
- b. Revised exterior CMU colors and banding.

16. Sheet S104 FOUNDATION PLAN 30 X 42 attached hereto

- a. Revision clouded on drawing.

17. Sheet P090 Lower Level Plumbing Demo Plans – Seg A & B 30 X 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Demo scope of work added/clarified.
 - c. Keynotes added
18. Sheet P091 First Floor Plumbing Demo Plan – Seg A 30 X 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Demo scope of work added/clarified.
 - c. Keynotes added
19. Sheet P092 First Floor Plumbing Demo Plan – Seg B 30 X 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Demo scope of work added/clarified.
 - c. Keynotes added
20. Sheet P093 First Floor Plumbing Demo Plan – Seg C 30 X 42 attached hereto
 - a. Revisions clouded on Drawing.
 - b. Demo scope of work added/clarified.
 - c. Keynotes added
21. Sheet P105 Roof Plumbing Plan – Seg A 30 X 42 attached hereto
 - a. New Sheet as part of the Construction Documents
22. Sheet P106 Roof Plumbing Plan – Seg B 30 X 42 attached hereto
 - a. New Sheet as part of the Construction Documents
23. Sheet E090 LOWER LEVEL ELEC. DEMO PLANS SEGMENT A & B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Revised symbols list.
24. Sheet E091 FIRST FLOOR ELEC. DEMO PLAN -SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added areas of demolition.
25. Sheet E092 FIRST FLOOR ELEC. DEMO PLAN -SEG.B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added areas of demolition.
26. Sheet E093 FIRST FLOOR ELEC. DEMO PLAN -SEG. C 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added areas of demolition.
27. Sheet E100 LOWER LEVEL -SEGMENT A & B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: “G” and “H”.
 - c. Revised electrical circuits.
28. Sheet E101 FIRST FLOOR POWER PLAN -SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: “G” and “H”.
 - c. Revised electrical circuits.
29. Sheet E102 FIRST FLOOR POWER PLAN -SEG B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: “G” and “H”.
 - c. Revised electrical circuits.

30. Sheet E103 FIRST FLOOR POWER PLAN -SEG C 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
 - c. Revised electrical circuits.
31. Sheet E104 FIRST FLOOR LIGHT AND POWER SEG. C-ALTERNATE 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
32. Sheet E105 SECOND FLOOR POWER PLAN -SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
33. Sheet E201 LOWER LEVEL LIGHTING PLAN -SEG A & B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
 - c. Revised light fixtures.
34. Sheet E202 FIRST FLOOR LIGHTING PLAN -SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
 - c. Revised electrical Circuits.
 - d. Added exterior building lights.
35. Sheet E203 FIRST FLOOR LIGHTING PLAN -SEG B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
 - c. Added lighting associated with alternate bid no. 2..
 - d. Added exterior building light.
 - e. Revised light fixture schedule.
 - f. Added low voltage lighting relay schedule.
 - g. Added electrical circuit numbers.
36. Sheet E204 FIRST FLOOR LIGHTING PLAN -SEG C 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Added general notes: "G" and "H".
 - c. Revised electrical Circuits.
 - d. Added Panel LCP – refer to low voltage lighting relay schedule.
 - e. Revised corridor lighting, to be controlled with low voltage relay switched.
 - f. Revised light.
37. Sheet E602 ELECTRICAL SCHEDULES 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Panelboards Schedule: Added and revised circuit breakers and numbering.

END OF DOCUMENT 00 90 00

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DOCUMENT 00 11 13

ADVERTISEMENT FOR BIDS

Sealed bids for the construction of:

**LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
301 W. ADAMS STREET
LA FARGE, WI 54639
HSR PROJECT NO. 19041-1**

will be received by:

**LA FARGE SCHOOL DISTRICT
301 W. ADAMS STREET
LA FARGE, WI 54639
ATTENTION: Meaghan Gustafson - District Administrator**

until **2:00 PM, September 30, 2021**, after which they will be opened publicly and read aloud. Bids received after the time set for receipt of bids will not be accepted.

In general, the Project consists of additions and renovations to an existing K-12 educational building.

Project work includes but is not limited to: demolition, concrete, slab on grade, slab on deck, masonry, CMU, brick, cast stone, structural steel, steel joist, steel deck, cold formed steel framing, decorative handrail, insulated EPDM roof, EIFS, foamed-in-place insulation, rigid insulation, aluminum storefront, curtainwall, accordion folding door, gypsum assemblies, acoustic tile ceiling, resilient flooring, tile, fluid applied flooring, carpet, sound absorbing units, and hydraulic elevator. Site work includes masonry retaining wall, site furnishings, concrete paving, and rerouting of utilities including gas, electric, telephone, and storm drain. Plumbing work includes removal and replacement of existing systems and extending systems to new locations. HVAC work includes new boilers, make up air units, roof top units, air handling units, unit vents, unit heaters, roof exhausters, ductwork and piping. Electrical work includes new electrical service, new fire alarm system, replacement of light fixtures and power wiring. The bidding documents describe five alternates. One of the alternates includes installation of a three stop ADA platform lift. Another of the alternates includes an interior folding glass storefront unit.

Lump-sum Bids will be received on a SINGLE PRIME CONSTRUCTION CONTRACT FOR THE ENTIRE WORK including plumbing, mechanical and electrical work.

The Project Drawings, Project Manual and other Bidding Documents prepared by the AE may be examined at the following locations:

AE's Office:

HSR ASSOCIATES, INC.
100 Milwaukee Street
La Crosse, WI 54603
608-784-1830

Builder's Exchanges:

La Crosse, WI
Northwest Regional (Eau Claire/Chippewa Falls)
Wausau, WI
Builders Exchange of Wisconsin (Appleton)
Minneapolis, MN
Rochester, MN
Northern IA (Mason City, IA)
ConstructConnect
Dodge Data & Analytics (West Allis, WI)
The Blue Book (Jefferson Valley, NY)

Bidding Document PDF files will be available from HSR Associates, Inc. via Sharefile electronic distribution. Access will be granted upon request. Addenda will be distributed via the Sharefile system. Documents will be available from listed Builders Exchanges as well.

Bidders may request printed Bidding Documents from the office of the AE by sending a check made out to HSR Associates in the amount of \$15.00, as a fee to cover the cost of postage and handling. Such fee amount will not be refunded. Postage fee must be received before documents are shipped.

Disclaimer: HSR Associates is responsible for distribution of addenda to only those that have requested project documents from HSR in formats described above.

Note that HSR Associates offers a printing service of documents including single sheets or entire document. Contact HSR for rates.

REQUESTED CAD FILES: Upon award of Contract and upon request HSR will provide electronic versions of project information.

A plan holders list is available on HSR's website; www.hsrassociates.com. The list includes only those requesting plans from HSR. If you obtained plans from another source and want your firm on HSR's list contact us.

BID SECURITY in the amount of five percent of the maximum amount of the Bid must accompany each Bid as described in the Instructions to Bidders in the Project Manual.

The Owner reserves the right to waive irregularities and to reject any or all Bids. No Bid may be withdrawn until 60 days after the time stated for receipt of Bids.

A pre-bid meeting will be conducted by the Owner and Architect/Engineer to answer questions and to enable bidders to examine conditions at the Project Site. Such meeting will occur at 1 p.m. September 13, 2021 at the project site.

By: Meaghan Gustafsen
Title: District Administrator – La Farge School District.

Publish Date: Weeks of September 6 & 13
La Crosse Tribune
Vernon County Times

END OF DOCUMENT 00 11 13

DOCUMENT 00 30 00

INFORMATION AVAILABLE TO BIDDERS

The following documents contain information about existing conditions which are pertinent to the Work of this Project and are available for the general information of all Bidders. The availability of such information shall not relieve any Bidder from responsibility to visit the Project Site, to become familiar with the local conditions under which the Work is to be performed and to correlate the Bidder's observations with the requirements of the Bidding Documents.

1. SOIL INVESTIGATION REPORT

The Soil Investigation Report No. (18481.21.WIL) as prepared by (Chosen Valley Testing) is for reference purposes only and shall not be considered a part of the Contract Documents. The Architect/Engineer does not certify its completeness or accuracy. The Contractor may do additional testing and evaluation to verify subsurface conditions. A copy of the soil investigation report printed 8.5" x 11" size on green paper is bound herein following as a part of this Section 00 30 00.

2. HAZARDOUS MATERIALS SURVEY REPORTS

- a. Legend Technical Services, Final Report – Lead Based Paint Services, No. 20WI098
- b. Legend Technical Services, Final Report – Gas Monitoring, No. 21WI098
- c. Legend Technical Services, Final Report – Asbestos Services, No. 21WI098
- d. EMC Labs, Bulk Asbestos Analysis by Polarized Light Microscopy, Report No. 0255809
- e. EMC Labs, Bulk Asbestos Analysis by Polarized Light Microscopy, Report No. 0256723
- f. Cooperative Educational Services Agency 10 – 210913 La Farge Referendum - *Reference Document Only*

END OF DOCUMENT 00 30 00

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Cooperative Educational Services Agency 10

This document was provided by the Owner's hazardous materials evaluator. It is not the finalized document. It is included for bidder's reference only. This document is provided as part of information available to bidders and will not be included in the contract documents.

TJF HSR Associates 9-21-2021

School District of La Farge

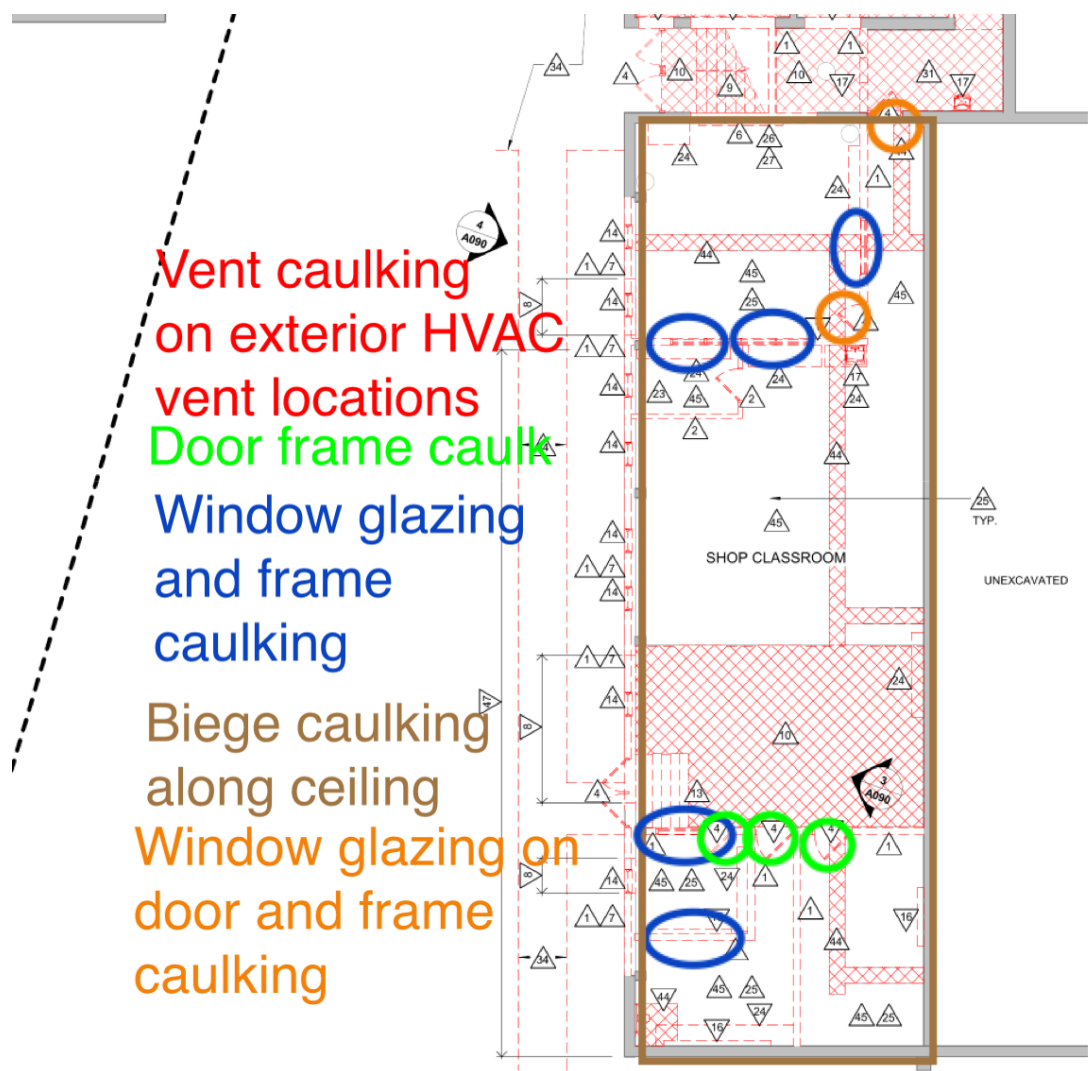
301 Adams St, La Farge, WI 54639

210913 La Farge Referendum

Reference Document Only

Lower Level Tech Ed	2	Nurse & Concession Rooms	5
Lower Level Band	3	Elementary Wing	6
Upper Level Tech Ed	4		

Reference Document Only* Refer to full inspection report for finalized locations and materials.



Vent caulking
on exterior HVAC
vent locations

Door frame caulk

Window glazing
and frame
caulking

Biege caulking
along ceiling

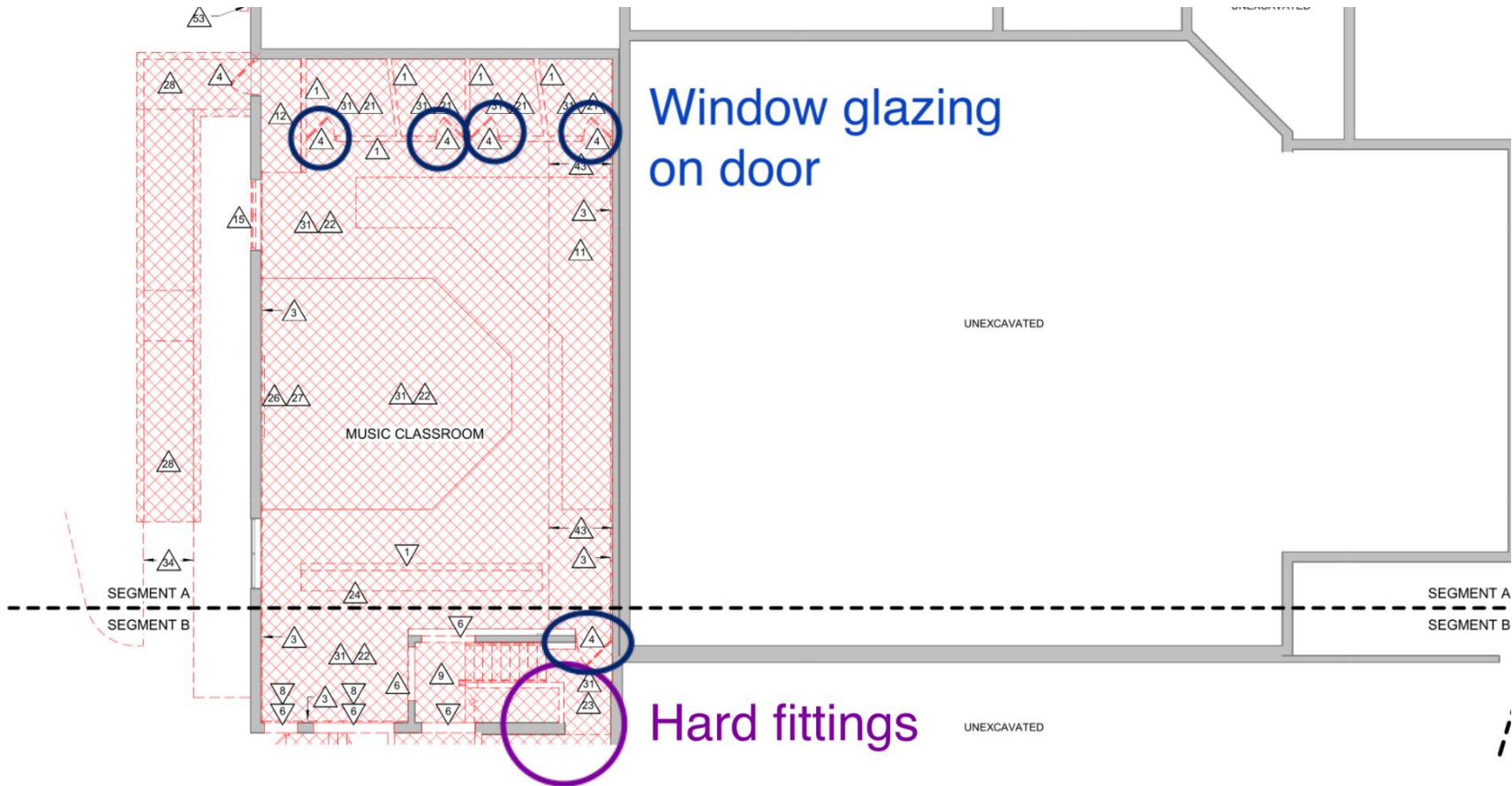
Window glazing on
door and frame
caulking

2 LOWER LEVEL DEMO PLAN - SEG B
1/8" = 1'-0"



Lower Level Tech

Reference Document Only* Refer to full inspection report for finalized locations and materials.



1 LOWER LEVEL DEMO PLAN - SEG A
1/8" = 1'-0"



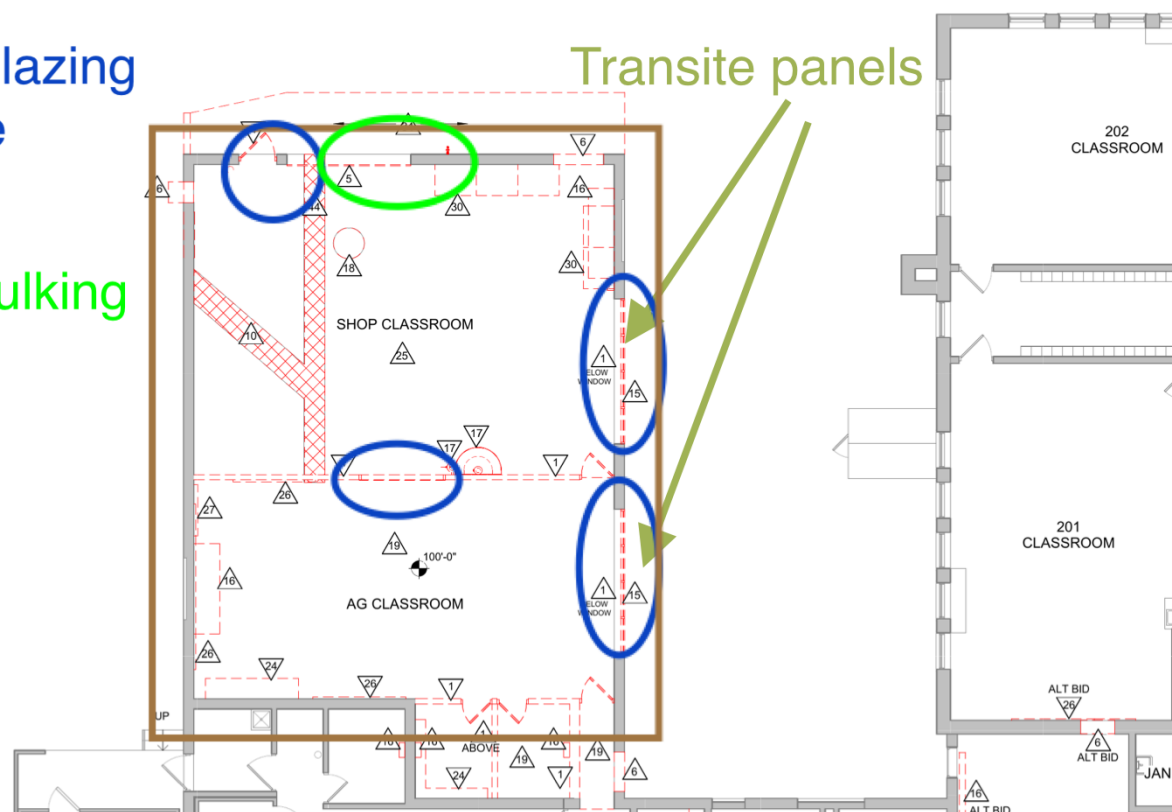
Lower Level Band

Reference Document Only* Refer to full inspection report for finalized locations and materials.

Exterior HVAC vent caulk
Exterior expansion joint caulking
Caulking between concrete ceiling panels

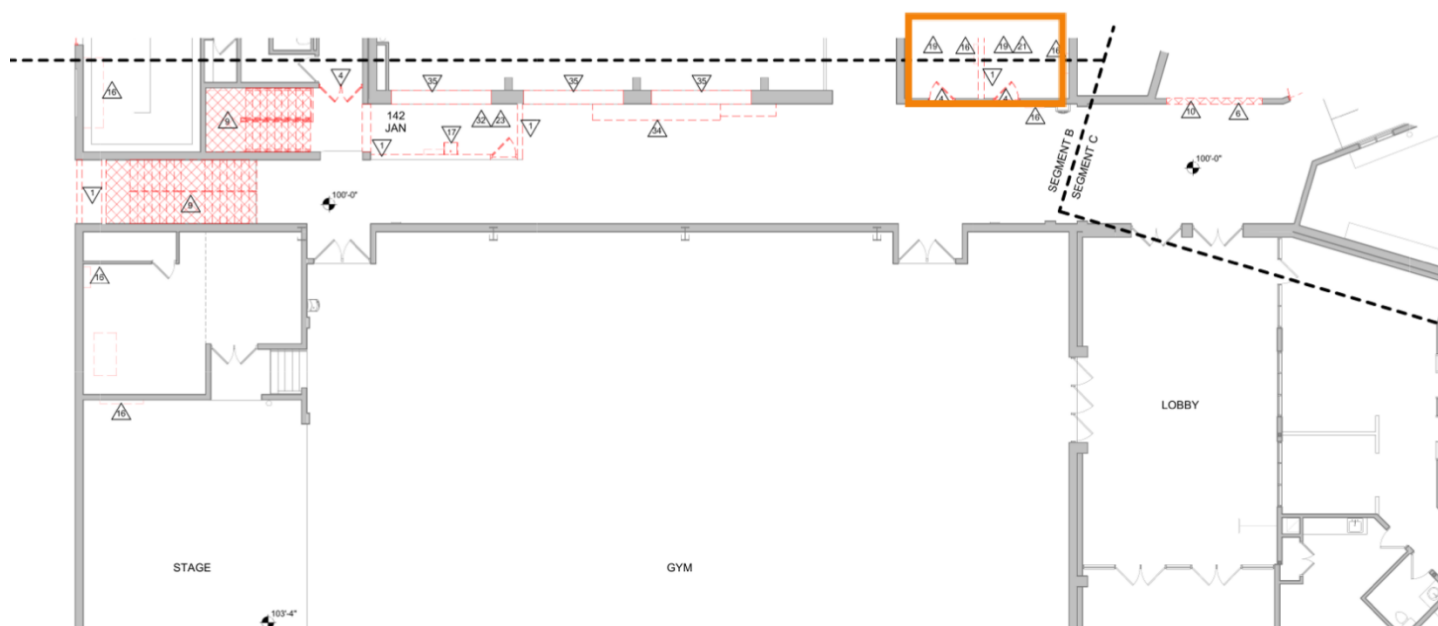
Window glazing and frame caulking
Frame caulking

Transite panels

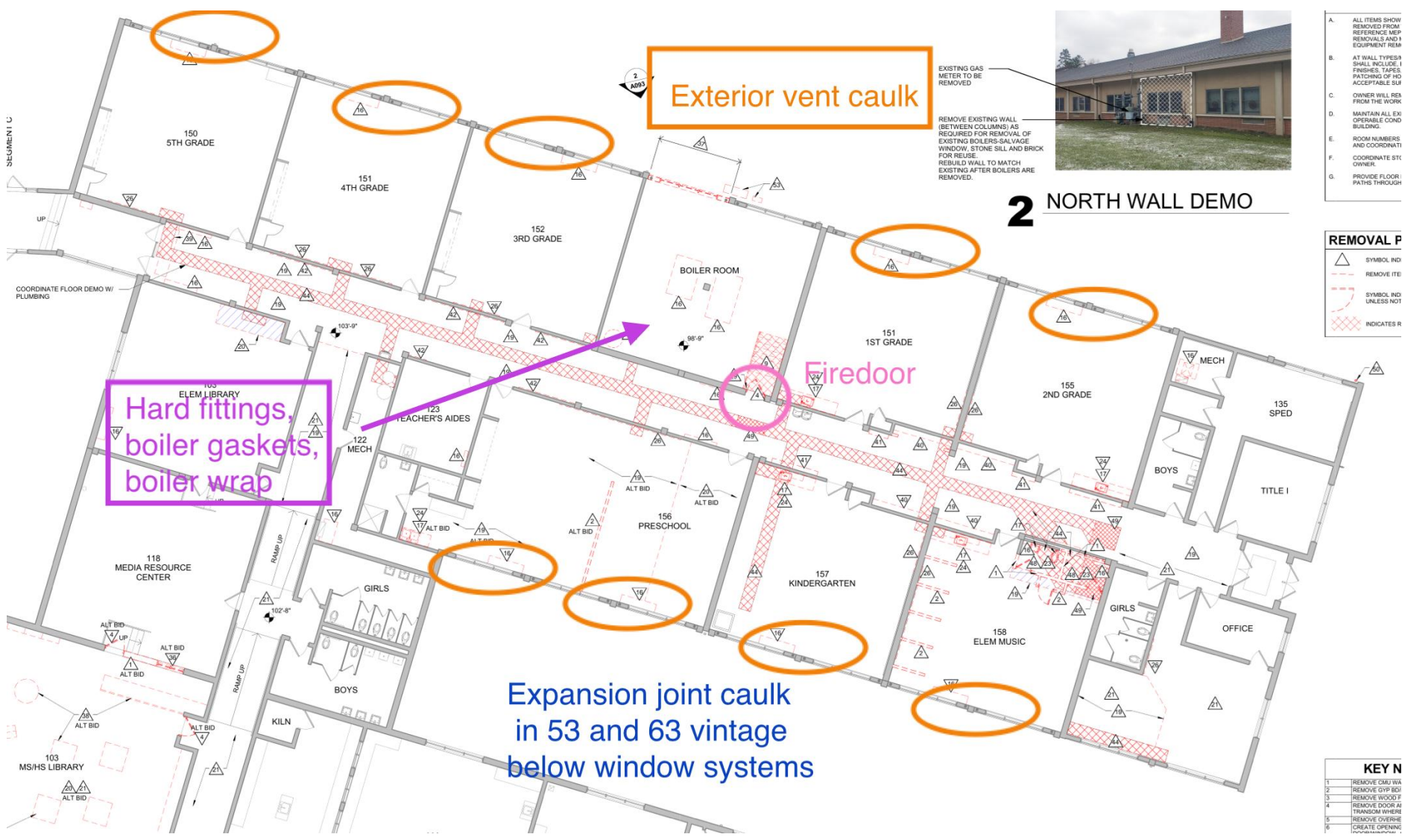


Upper Level Tech/Ag

Residual black mastic



Concession/Nurse



Elementary School

Reference Document Only* Refer to full inspection report for finalized locations and materials.

DOCUMENT 00 41 00

BID FORM

BIDDER: _____

BID FOR SINGLE PRIME CONTRACT

PROJECT: **LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
301 W. ADAMS STREET
LA FARGE, WI 54639
HSR PROJECT NO. 19041-1**

TO: **LA FARGE SCHOOL DISTRICT
301 W. ADAMS STREET
LA FARGE, WI 54639
ATTENTION: Meaghan Gustafson - District Administrator**

BASE BID

The undersigned, having examined the site where the Work is to be executed and become familiar with local conditions affecting the cost of the Work and carefully examined the Project Manual, the Project Drawings, all other Bidding Documents and Addenda thereto prepared by the AE, HSR Associates, Inc., hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the ENTIRE WORK, in the time frame stipulated in these contract documents, for the Base Bid stipulated sum of:

_____ Dollars (\$_____ .00)

ALTERNATE BIDS

The undersigned further agrees to perform the alternative portions of the Work as described in the Project Manual, Section 01 23 00 Alternates, for the following additions to or deductions from the Base Bid sum stipulated above:

Alternate No. 1 Furnace Replacement in High School

Add _____ Dollars (\$_____ .00)

Alternate No. 2 Cafeteria Openings and Demo Janitor Room (Room 142)

Add _____ Dollars (\$_____ .00)

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Alternate No. 3 Three Stop ADA Lift for Access to 1901 Building and Associated Patching

Add _____ Dollars (\$_____.00)

Alternate No. 4 Library / Media Center Renovations (Room 110)

Add _____ Dollars (\$_____.00)

Alternate No. 5 SPED Renovations (Room 130)

Add _____ Dollars (\$_____.00)

UNIT PRICES

The undersigned agrees to add or deduct portions of the Work from the Contract as described in the Project Manual, Section 01 22 00 Unit Prices, for the following Unit Price amounts:

A. Unit Price UP-1: (Excess Excavation)

Per cubic yard _____ Dollars (\$_____.00)

B. Unit Price UP-2: (Compacted Fill)

Per cubic yard _____ Dollars (\$_____.00)

BIDDER'S CHOICE SUBSTITUTIONS

The following Bidder's Choice Substitution is proposed for your consideration subject to the requirements set forth in Document 00 21 13 Instructions to Bidders, Subparagraph 3.3.6:

Substitution No. S1:

For substituting _____

Type, Brand, Catalog No. _____

Manufacturer _____

Deduct from BASE BID _____ Dollars (\$_____.00)

In submitting this Bid, the undersigned agrees to:

1. Hold this Bid open for 60 days.
2. Accept the provisions of Instructions to Bidders regarding disposition of Bid Security.
3. Enter into and execute an Agreement, if awarded on the basis of this Bid, and to furnish Performance and Labor and Material Payment Bonds according to the Supplementary Conditions.
4. Accomplish work according to the Contract Documents.
5. Complete the work by the time stated in Section 01 10 00 Summary of the Work.

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Receipt of the following Addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Attached hereto are the required:

- a. Bid Security
- b. Certificate of Organization and Authority
- c. Non-Collusive Affidavit: An affidavit in proof that the undersigned has not entered into any collusion with any person in respect to this Bid or any other bid or the submitting of bids for the contract for which this bid is submitted.
- d. Certification of Non-segregated Facilities
- e. An executed Document 00 45 15 Disclosure of Ownership is:
 - Attached hereto
 - Not applicable to the undersigned Bidder

FIRM NAME: _____

(Affix seal if Corporation)

By: _____

Title: _____

By: _____

Title: _____

Date: _____

Official Address: _____

Telephone: _____

END OF DOCUMENT 00 41 00

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SECTION 05 50 00
METAL FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Shop fabricated steel items.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Placement of metal fabrications in concrete.
- B. Section 04 20 00 - Unit Masonry: Placement of metal fabrications in masonry.
- C. Section 05 51 00 - Metal Stairs: For railings and guards attached to stair members.
- D. Section 09 91 13 - Exterior Painting: Paint finish.
- E. Section 09 91 23 - Interior Painting: Paint finish.

1.03 REFERENCE STANDARDS

- A. ASTM A351/A351M - Standard Specification for Castings, Austenitic, for Pressure-Containing Parts; 2016.
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- C. ASTM A47/A47M - Standard Specification for Ferritic Malleable Iron Castings; 1999 (Reapproved 2014).
- D. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2012.
- E. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2015.
- F. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.
- G. ASTM A283/A283M - Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates; 2013.
- H. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing; 2014.
- I. ASTM A554 - Standard Specification for Welded Stainless Steel Mechanical Tubing; 2016.
- J. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- K. ASTM A992/A992M - Standard Specification for Structural Steel Shapes; 2011 (Reapproved 2015).
- L. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2012.
- M. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2015 (Errata 2016).
- N. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 1999 (Ed. 2004).
- O. SSPC-Paint 20 - Zinc-Rich Primers (Type I, "Inorganic," and Type II, "Organic"); 2002 (Ed. 2004).
- P. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable. Verify roof insulation thickness at roof ladder locations to confirm ladder dimensions.

1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.
- C. Welders' Certificates: (Upon request) Submit certification for welders employed on the project, verifying AWS qualification within the previous 12 months.

1.05 QUALITY ASSURANCE

- A. Design applicable work 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 - STEEL

- A. Steel Angles, Plates and Channels: ASTM A 36/A 36M.
- B. Steel W Shapes and Tees: ASTM A992/A992M
- C. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.
- D. Plates: ASTM A283/A283M.
- E. Pipe For Handrails: ASTM A 53/A 53M, Grade B Schedule 40, black finish.
- F. Stainless Steel Components:
1. ASTM A666 , Type 304.
 2. Stainless Steel Tubing: ASTM A554, Type 304, 16 gage, 0.0625 inch minimum metal thickness, 1 1/4 inch diameter, nominal.
 3. Stainless Steel Wall Plate: Type 304. 1/8 inch thick by 36 inches square with hemmed edges
- G. Bolts, Nuts, and Washers: ASTM A325 (ASTM A325M), Type 1, galvanized to ASTM A153/A153M where connecting galvanized components.
- H. Welding Materials: AWS D1.1; type required for materials being welded.
- I. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.
- J. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

- A. Fit and shop assemble items in largest practical sections, for delivery to site.
- B. Fabricate items with joints tightly fitted and secured.
- C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
- D. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of component, except where specifically noted otherwise.
- E. Furnish components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

2.03 FABRICATED ITEMS

- A. Ladders: Steel; in compliance with ANSI A14.3; with mounting brackets and attachments.
1. Finish: Exterior galvanize and shop prime paint. Interior shop prime paint.
 2. Side Rails: 3/8 x 2 inches members spaced at 20 inches.
 3. Rungs: one inch diameter solid round bar spaced 12 inches on center.
 4. 2" x 3/8" brackets for wall attachment, of length to meet side rail distance from wall.
 5. Grating: 1 1/4 x 1/8 inch galvanized welded bar grating.
- B. Bollards: Steel pipe; galvanized finish. Fabricated of 6" diameter Extra Strong steel pipe, ten feet long. Fill with concrete and set as detailed.

- C. Bollard Covers: Polyethylene plastic pipe sleeves for steel pipe bollards. 0.25 inches thick. Shall contain ultraviolet protection additive. Five (5) Year UV stabilizer package. 5 year warranty. COlor as selected by A/E from standard line.
 - 1. IdealShield, HDPE 1/8" thick. www.idealshield.com
 - 2. Innoplast, BollardGard Bollard Cover. www.innoplast.com
 - 3. Post Guard. www.postguard.com
- D. Ledge Angles, Shelf Angles, Channels, and Plates Not Attached to Structural Framing: For support of metal decking; prime paint finish.
- E. Exposed Exterior Lintels: As detailed; galvanize and prime finish. Prime finish interior lintels.
- F. Pipe Rails: 1 1/4 inch nominal (1.66 inch O.D.) Round black schedule 40 unpainted as noted on Drawings
 - 1. Steel Handrail Wall Bracket: 1980ST offered by The Wagner Companies
- G. Guard Rails (separate from stairs): 1 1/4 inch nominal (1.66 inch O.D.) Black schedule 40 unpainted as noted on drawings. Round pipe unless otherwise indicated. Refer to drawing details for dimensions of intermediates and other details.
 - 1. End and Intermediate Posts: Same material and size as top rails.
 - a. Horizontal Spacing: As detailed.
 - b. Vertical Post Spacing: 5'-0" o.c. maximum.
 - c. Mounting: Welded to top surface of structural member or inserted in sleeves set in concrete. See drawings.
- H. Door Frames for Overhead Door Openings: Bent Plate sections; prime paint finish.
- I. Elevator Hoist Beam: Sized and configured per elevator manufacturer requirements.

2.04 FINISHES - STEEL

- A. Prime paint steel items.
 - 1. Exceptions: Galvanize items to be embedded in concrete and items to be imbedded in masonry.
 - 2. Exceptions: Do not prime surfaces in direct contact with concrete, where field welding is required, and items to be covered with sprayed fireproofing.
- B. Minimum preparation of surfaces to be primed in accordance with SSPC-SP2. Follow paint/coating supplier recommendations for required surface preparation.
- C. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
- D. Prime Painting: One coat.
- E. Stainless Steel: No.4 satin finish.
- F. Galvanizing of Structural Steel Members: Galvanize after fabrication to ASTM A123/A123M requirements.
- G. Galvanizing of Non-structural Items: Galvanize after fabrication to ASTM A123/A123M requirements.
- H. Galvanize Repair: ZRC Worldwide; Galvilite. www.zrcworldwide.com

2.05 FABRICATION TOLERANCES

- A. Squareness: 1/8 inch maximum difference in diagonal measurements.
- B. Maximum Offset Between Faces: 1/16 inch.
- C. Maximum Misalignment of Adjacent Members: 1/16 inch.
- D. Maximum Bow: 1/8 inch in 48 inches.
- E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

- A. Clean and strip primed steel items to bare metal where site welding is required.
- B. Furnish setting templates to the appropriate entities for steel items required to be cast into concrete or embedded in masonry.

3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- C. Barrier Protection: Do not install over cementitious materials, dissimilar metals or pressure treated material without adequate barrier protection.
- D. Field weld components as indicated on drawings.
- E. Perform field welding in accordance with AWS D1.1/D1.1M.
- F. Obtain approval prior to site cutting or making adjustments not scheduled.
- G. After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

END OF SECTION

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass.
- B. Aluminum doors and frames.
- C. Weatherstripping.

1.02 RELATED REQUIREMENTS

- A. Applicable provisions of Division 1 shall govern the work of this section.
- B. Section 04 20 00 - Unit Masonry: Mockup panel that includes storefront opening.
- C. Section 05 12 00 - Structural Steel Framing: Steel attachment members.
- D. Section 05 50 00 - Metal Fabrications: Steel attachment devices.
- E. Section 07 21 00 - Thermal Insulation: Insulation gap filler for opening perimeter.
- F. Section 07 25 00 - Air Barriers: Sealing framing to water-resistive barrier installed on adjacent construction.
- G. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- H. Section 08 71 00 - Door Hardware: Hardware items other than specified in this section.
- I. Section 08 80 00 - Glazing: Glass and glazing accessories.
- J. Division 23: Coordinate with mechanical for louver in frame W4.
- K. Division 26 and 28: Connection to related powered and access control accessories.

1.03 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum From Shop to Site; 2015.
- B. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.
- C. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2013.
- D. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; 2010, with 2013 Supplements and Errata.
- E. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- F. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.
- G. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.
- H. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014.
- I. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).
- J. ICC (IBC)-2015 - International Building Code; 2015.
- K. ICC (IECC)-2015 - International Energy Conservation Code; 2015.
- L. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2014.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, internal drainage details and unit u-value, center of glass u-value and solar heat gain coefficient.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.
- E. Design Data: Provide framing member structural and physical characteristics, dimensional limitations.
- F. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
- B. Unit U-value factors shall be labeled in accordance with NFRC 100 and 500.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.07 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Correct defective Work within a one year period after the Date of Substantial Completion.
- C. Provide ten year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units.
- D. Provide ten year manufacturer warranty against excessive degradation of exterior PVDF finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Aluminum-Framed Storefront and Doors: High Performance Thermal Break for Window Framing.
 - 1. Kawneer North America: 601UT (2" x 6"). www.kawneer.com.
 - 2. Manko Window Systems, Inc: 2600xpt. www.mankowindows.com.
 - 3. Tubelite, Inc.: TU24650 (2" x 6 1/2"). www.tubeliteinc.com.
 - 4. YKK AP: YES 60 XT (2" x 6"). www.ykkap.com
 - 5. Oldcastle Building Envelope: 6000XT. www.oldcastlebe.com.
 - 6. EfcO: 406X. www.efcOcorp.com
 - 7. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Aluminum-Framed Storefront: Other frame depth: 3 9/16 inch.
 - 1. Tubelite, Inc.: VersaTherm Storefront Framing
 - 2. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 ALUMINUM-FRAMED STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
1. Glazing Position: Centered (6 inch depth), Front Set (3 9/16 depth).
 2. Vertical Mullion Dimensions: 2 inches wide x 4 1/2 inches deep
 3. Frame Member Wall Thickness: 1/8 inch.
 4. Finish: Superior performing organic coatings.
 - a. Factory finish all surfaces that will be exposed in completed assemblies.
 - b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
 - c. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
 5. Finish Color: As selected by Architect from manufacturer's standard line.
 6. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
 7. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
 8. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
 9. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
 10. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
 11. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
 12. Maintain continuous air barrier and/or vapor retarder seal throughout assembly, primarily in line with inside pane of glazing and inner sheet of infill panel, and heel bead of glazing compound.
- B. Performance Requirements
1. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
 - a. Design Wind Loads: Comply with requirements of ASCE 7.
 - b. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
 2. Water Penetration Resistance: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 12 psf.
 3. Air Leakage: 0.06 cfm/sq ft maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf pressure difference.
 4. Condensation Resistance Factor of Framing: 50, minimum, measured in accordance with AAMA 1503.
 5. Alternate Frame Depth: Overall System U-value Including Glazing: 0.45, maximum, measured in accordance with NFRC 100.
 6. High Performance Thermal Break: Overall System U-value Including Glazing: 0.36, maximum, measured in accordance with NFRC 100.

2.03 DOOR COMPONENTS

- A. Aluminum Exterior Door Framing Members: 1/8 inch minimum wall thickness, tubular aluminum sections, drainage holes and internal weep drainage system.
1. Glazing stops: Applied.

- B. Interior Aluminum Door Framing Members: Tubular aluminum sections, non-thermally broken, drainage holes and internal weep drainage system.
 - 1. Glazing stops: Applied

2.04 WINDOW AND SIDELIGHT COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
 - 1. Framing members for interior applications need not be thermally broken.
 - 2. Glazing Stops: Applied.
- B. Glazing: See Section 08 80 00.
- C. Swing Doors: Glazed aluminum.
 - 1. Thickness: 1-3/4 inches.
 - 2. Wide Stile: 5 inch minimum stiles and top rail.
 - 3. Bottom Rail: 10 inches wide minimum single rail design.
 - 4. Glazing Stops: Square.
 - 5. Finish: Same as storefront.

2.05 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Fasteners: Stainless steel.
- C. Extruded Sills: Aluminum to match window frame. Profile as detailed.
- D. Perimeter Sealant: Type specified in Section 07 92 00.
- E. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.

2.06 FINISHES

- A. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.

2.07 HARDWARE

- A. Other Door Hardware: See Section 08 71 00.
- B. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.
- C. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.

2.08 FABRICATION

- A. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- B. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- C. Prepare components to receive anchor devices. Fabricate anchors.
- D. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
- E. Arrange fasteners and attachments to conceal from view.
- F. Reinforce components internally for door hardware and door operators.
- G. Reinforce framing members for imposed loads.
- H. Finishing: Apply factory finish to all surfaces that will be exposed in completed assemblies.
 - 1. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Coordinate installation of conduit box at head of frame and flexible conduit in frame to electric strike at electrified doors identified in Hardware Schedule with Division 26.
- I. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- J. Pack fibrous insulation or apply expanding foam in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- K. Set thresholds in bed of sealant and secure.
- L. Install glass in accordance with Section 08 80 00, using glazing method required to achieve performance criteria.
- M. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.02 ADJUSTING

- A. Adjust operating hardware for smooth operation.

3.03 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.

END OF SECTION

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SECTION 09 84 30
SOUND-ABSORBING WALL AND CEILING UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sound-absorbing panels.
- B. Mounting accessories.

1.02 REFERENCE STANDARDS

- A. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2009a.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2016.
- C. ASTM E795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests; 2016.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed data sheets for products specified.
- C. Shop Drawings: Fabrication and installation details, panel layout, and fabric orientation.
- D. Selection Samples: Manufacturer's color charts for fabric covering, indicating full range of fabrics, colors, and patterns available.
- E. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch, showing construction, edge details, and fabric covering.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company with not less than five years of experience in manufacturing acoustical products similar to those specified.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect acoustical units from moisture during shipment, storage, and handling. Deliver in factory-wrapped bundles; do not open bundles until units are needed for installation.
- B. Store units flat, in dry, well-ventilated space; do not stand on end.
- C. Protect edges from damage.

PART 2 PRODUCTS

2.01 FABRIC-COVERED SOUND-ABSORBING UNITS

- A. Manufacturers:
 - 1. Acoustic Design of America
 - 2. Acoustic Design Works: www.acousticdesignworks.com
 - 3. Acoustical Surfaces, Inc.: www.acousticalsurfaces.com
 - 4. Armstrong World Industries, Inc.: www.armstrong.com
 - 5. CertainTeed Corporation: www.certainteed.com
 - 6. Commercial Interior Supply, Minneapolis, MN
 - 7. Conwed/Wall Technology: www.conwed.com
 - 8. Custom Acoustical Products: www.capinc.com
 - 9. Essi Acoustical Products Company: www.essiacoustical.com.
 - 10. FabricMate Systems: www.fabricmate.com
 - 11. Golterman & Sabo: Acousti-Tack Panels: www.goltermansabo.com
 - 12. Kinetics noise Control. www.kineticsnoise.com
 - 13. Novawall Systems: www.novawall.com
 - 14. PanelTech Acoustics: www.ptacoustics.com.
 - 15. Sound Seal: www.soundseal.com

- B. General:
 - 1. Prefinished, factory assembled fabric-covered panels.
 - 2. Surface Burning Characteristics: Flame spread index of 25 or less and smoke developed index of 450 or less, when tested in accordance with ASTM E84.
- C. AWP Fabric-Covered Acoustical Panels for Walls and Ceilings:
 - 1. Panel Core: Manufacturer's standard rigid or semi-rigid fiberglass core.
 - 2. Core Density: 16 to 20 lb/cu ft.
 - 3. Noise Reduction Coefficient (NRC): 0.90 - 1.00 when tested in accordance with ASTM C423.
 - 4. Panel Size: As detailed on Drawings.
 - 5. Panel Thickness: 2 inches.
 - 6. Edges: Perimeter edges reinforced by a formulated resin hardener.
 - 7. Fabric: Refer to Master Color Schedule on ID Drawings.
 - 8. Mounting Method: Back-mounted with mechanical fasteners.

2.02 FABRICATION

- A. Fabric Wrapped, General: Fabricate panels to sizes and configurations as indicated, with fabric facing installed without sagging, wrinkles, blisters, or visible seams.
 - 1. Where radiused or mitered corners are indicated, install fabric to avoid seams or gathering of material.
- B. Tolerances: Fabricate to finished tolerance of plus or minus 1/16 inch for thickness, overall length and width, and squareness from corner to corner.

2.03 ACCESSORIES

- A. Back-Mounting Accessories: Manufacturer's standard accessories for concealed support, designed to allow panel removal:
 - 1. Two-part clip and base-support bracket system; brackets designed to support full weight of panels and clips designed for lateral support, with one part mechanically attached to back of panel and the other attached to substrate.
 - a. Hanger Options: Monarch Metal Fabrication. www.monarchmetal.com
- B. Ceiling-Suspended Accessories: Manufacturer's standard accessories at 1/4 points on each acoustical unit, sized appropriately for weight of acoustical unit.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates for conditions detrimental to installation of acoustical units. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.
- B. Align panels accurately, with edges plumb and top edges level. Scribe to fit accurately at adjoining work and penetrations.
- C. Install acoustical units to construction tolerances of plus or minus 1/16 inch for the following:
 - 1. Plumb and level.
 - 2. Flatness.

3.03 CLEANING

- A. Clean fabric facing upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.04 PROTECTION

- A. Provide protection of installed acoustical panels until Date of Substantial Completion.

B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION

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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. Exposed surfaces of steel lintels and ledge angles.
 - 2. Exposed exterior gas lines.
 - 3. Mechanical and Electrical:
 - a. On the roof and outdoors, paint equipment that is exposed to weather or to view, including gas piping installed as part of the project."
- 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. Marble, granite, slate, and other natural stones.
 - 8. Floors, unless specifically indicated.
 - 9. Brick, glass unit masonry, architectural concrete, cast stone, integrally colored plaster and stucco.
 - 10. Glass.
 - 11. Concealed pipes, ducts, and conduits.

1.02 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications: Shop-primed items.
- B. Section 09 91 23 - Interior Painting.

1.03 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2005 (Reapproved 2012).
- C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2015.
- D. SSPC-SP 1 - Solvent Cleaning; 2015.

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. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
 - 3. Manufacturer's installation instructions.

4. If proposal of substitutions is allowed under submittal procedures, explanation of substitutions proposed.
- C. Samples: Submit three 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.
- E. Manufacturer's Instructions: Indicate special surface preparation procedures.
- F. Maintenance Data: Submit data including product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.
- G. 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. Label each container with color in addition to the manufacturer's label.

1.05 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.

1.06 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 used in any individual system from the same manufacturer; no exceptions.
- B. Paints:
 1. Sherwin Williams (SW). www.sherwin-williams.com/#sle.
 2. Hallman-Lindsay (HL). www.hallmanlindsay.com
 3. Behr Process Corporation: www.behr.com/#sle.
 4. Benjamin Moore: www.benjaminmoore.com
 5. Diamond Vogel Paints: www.diamondvogel.com/#sle.
 6. PPG Paints: www.ppgpaints.com/#sle.
 7. Pratt & Lambert Paints: www.prattandlambert.com/#sle.
 8. Valspar Corporation: www.valsparpaint.com/#sle.
- C. Primer Sealers: Same manufacturer as top coats.

D. Substitutions: See Section 01 60 00 - Product Requirements.

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. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
 - 4. Supply each paint material in quantity required to complete entire project's work from a single production run.
 - 5. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is described explicitly in manufacturer's product instructions.
- B. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.
- C. Colors: As indicated in Color Schedule.
 - 1. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to Owner.
 - 2. Extend colors to surface edges; colors may change at any edge as directed by Architect.

2.03 PAINT SYSTEMS - EXTERIOR

- A. EPS 1 Ferrous Material Primed & Un-primed: Acrylic Semi-Gloss
 - 1. (SW) Prep surface with SSPC-SP2. One coat ProCryl Universal Primer and two coats Sher-Cryl HPA High Performance Acrylic B66-300 Series.
 - 2. (HL) Prep surface with SSPC-SP2. One coat Metalguard DTM Acrylic Primer/finish 338 and two coats Rustoleum High Performance DTM Acrylic 3800
- B. EPS 4 Galvanized Metal and Aluminum (bollards, lintels, equipment housings, louvers, etc.): Acrylic Semi-Gloss
 - 1. (SW) One coat ProCryl Universal Primer B66-310 Series, two coats Sher-Cryl HPA High Performance Acrylic B66-300 Series. OR
 - 2. (SW) Two coats FlexTemp Exterior Acrylic Satin
 - 3. (HL) One coat Metalguard DTM Acrylic Primer/finish 338 and two coats Rustoleum High Performance DTM Acrylic 3800,
- C. EPS 14 Exterior Stucco
 - 1. (SW) One coat S-W Loxon Concrete and Masonry Primer A24W8300 and one coat Loxon Acrylic Coating. OR
 - 2. (SW) One coat S-W Loxon Concrete and Masonry Primer A24W8300. Two coats FlexTemp Exterior Acrylic Satin
 - 3. (HL) One coat Grip Tite Masonry/Plaster Primer 166 and one coat DuraKote 100% Acrylic Exterior Lo-Sheen 170 or comparable.

2.04 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. Do not begin application of paints and finishes until substrates have been properly prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.
- D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- E. Test shop-applied primer for compatibility with subsequent cover materials.

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 repair existing paints or finishes that exhibit surface defects.
- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Ferrous Metal:
 1. Coordinate surface preparation in accordance with requirements of selected paint/coating supplier recommendations.
 2. Solvent clean according to SSPC-SP 1.
 3. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.
 4. Remove rust, loose mill scale, and other foreign substances using using methods recommended in writing by paint manufacturer. Protect from corrosion until coated. Apply rust converter as required.

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.
- C. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- E. Apply each coat to uniform appearance.
- F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply additional coats until complete hide is achieved.
- G. Use tack cloth to remove dust and particles just prior to applying next coat.
- H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

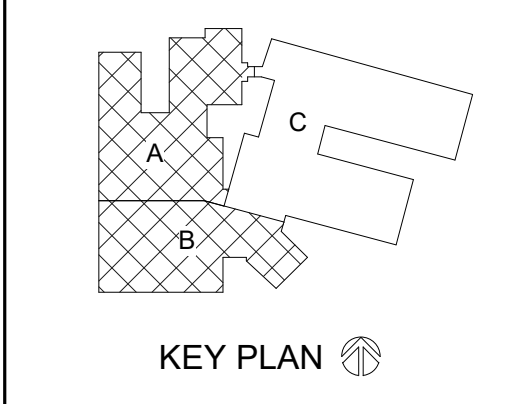
3.04 CLEANING

- 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.
- B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION



No.	Description	Date
A01	ADD1	9.20.2021

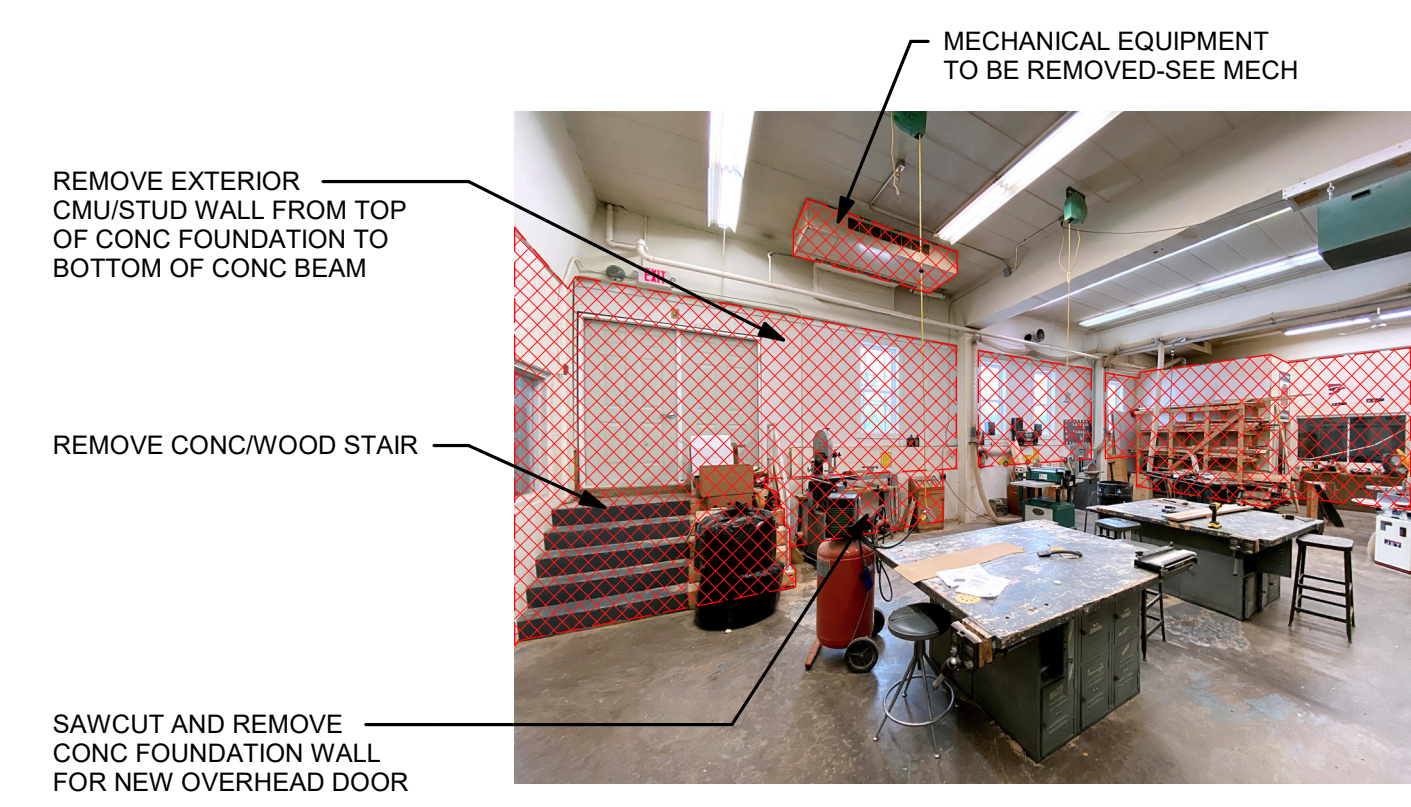
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Last Update:
9/20/2021 10:21:51 AM

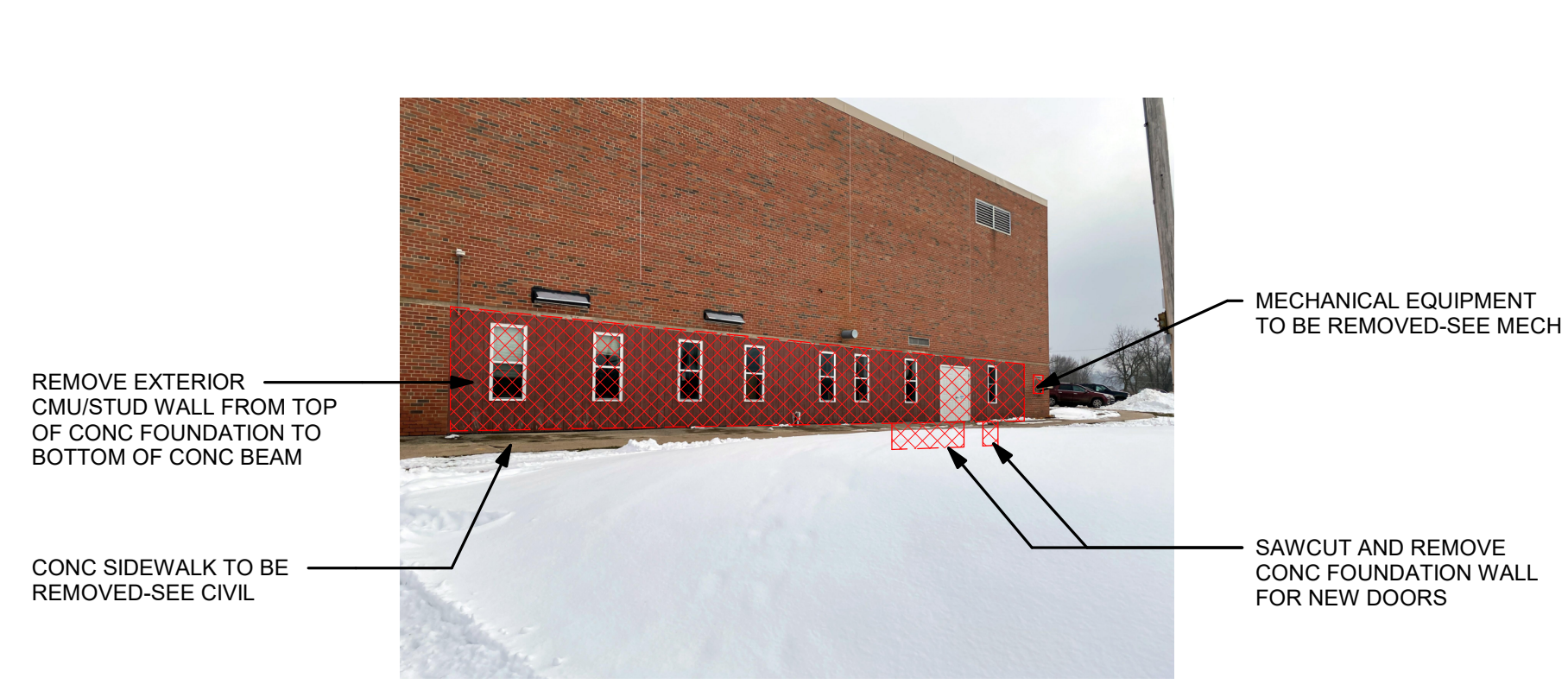
KEY NOTES REMOVAL	
1	REMOVE CMU WALL
2	REMOVE GYP BOARD CEILING AND WOOD STUD WALL
3	REMOVE WOOD FURRING AND WALL FINISH
4	REMOVE DOOR AND FRAME, INCLUDING SIDELIGHT AND/OR TRANSOM WHERE APPLICABLE
5	REMOVE OVERHEAD DOOR, TRACK AND OPERATOR
6	CREATE OPENING IN EXISTING MASONRY WALL FOR NEW DOOR/WINDOW. OVERSIZE GUESSTIMATE AS REQUIRED FOR INSTALLATION OF JAMB REINFORCING - SEE STRUCTURAL DRAWINGS FOR LINTEL AND JAMB REINFORCING
7	REMOVE STUD FRAMED EXTERIOR INFILL WALL
8	SAWCUT OPENING IN EXISTING CONC. WALL FOR NEW DOOR. REMOVE WALL DOWN TO 8" BELOW FLOOR LINE
9	REMOVE EXISTING GYP BOARD CEILING AND HANDRAILS. REMOVE EXISTING FILL AS REQUIRED FOR NEW CONSTRUCTION.
10	SAWCUT AND REMOVE CONC. FLOOR SLAB AT HATCHED AREAS.
11	REMOVE IF RAISED CONC. PLATFORM AND VCT FLOORING
12	REMOVE CONC RAMP AND VCT FLOORING
13	REMOVE CONC/WOOD FRAMED STAIR AND PLATFORM
14	REMOVE VCT FLOORING
15	REMOVE ALUM WINDOW
16	MECHANICAL EQUIPMENT TO BE REMOVED - SEE MECHANICAL DRAWINGS
17	PLUMBING EQUIPMENT/FIXTURE AND RELATED PIPING TO BE REMOVED - SEE PLUMBING DRAWINGS
18	CATCH BASIN TO BE REMOVED/INFILLED - SEE PLUMBING DRAWINGS
19	REMOVE VCT FLOORING AND VINYL BASE
20	REMOVE CARPET FLOORING AND VINYL BASE
21	REMOVE SUSPENDED ACOUSTIC TILE CEILING SYSTEM
22	REMOVE DIRECT APPLIED ACOUSTIC TILE CEILING AND FRAMING
23	REMOVE GYP BOARD CEILING AND FRAMING
24	REMOVE CASEWORK
25	EXISTING SHOP EQUIPMENT TO BE REMOVED BY OWNER
26	REMOVE MARKER/TACK BOARD AND SALVAGE TO OWNER
27	REMOVE WALL MOUNTED PROJECTION SCREEN AND SALVAGE TO OWNER
28	REMOVE CONC RAMP AND HANDRAILS, CONC RETAINING WALLS AND FOOTINGS - SEE CIVIL
29	REMOVE PIPE TUNNEL ACCESS DOOR BELOW STAIR
30	REMOVE WELDING BOOTH CURTAINS AND SUSPENSION SYSTEM
31	REMOVE CONC FLOOR SLAB, VCT FLOORING AND VINYL BASE
32	REMOVE CERAMIC TILE FLOORING AND BASE
33	CREATE OPENING IN WOOD FRAMED FLOOR SYSTEM FOR NEW COMMERCIAL VERTICAL PLATFORM LIFT - SEE STRUCTURAL DRAWINGS
34	CONC APPROX/SIDEWALK TO BE REMOVED - SEE CIVIL
35	CREATE NEW OPENINGS IN EXISTING MASONRY WALL. NEW OPENING TO ALIGN WITH EXISTING FILLED IN WINDOW OPENINGS
36	REMOVE WINDOW AND EXTEND OPENING IN CMU WALL DOWN TO FLOOR
37	REMOVE EXISTING WALL AND WINDOW AS REQUIRED FOR REMOVAL OF BOILERS. SALVAGE BRICK, WINDOW AND STONE SILL FOR REUSE.
38	REMOVE BOOKCASES, COUNTERTOPS AND FURNITURE - SALVAGE TO OWNER
39	REMOVE RECESSED FLOOR GRATE MAT AND FRAME
40	REMOVE METAL WALL MOUNT COAT RACK
41	REMOVE SHELF AND WALL MOUNT COAT HOOKS
42	REMOVE WALL MOUNT COAT HOOKS
43	REMOVE WOOD FRAMED CEILING SOFFIT
44	SAWCUT AND REMOVE CONC FLOOR SLAB AS REQUIRED FOR UNDERFLOOR PLUMBING WORK (AT HATCHED AREA) - SEE PLUMBING DRAWINGS
45	GRIND CONC FLOOR SLAB TO REMOVE EXISTING PAINT/SEALER FINISH. PREP SLAB FOR NEW FINISH - SEE ID SHEETS
46	REMOVE PROTECTION PADS - SALVAGE TO OWNER
47	EXCAVATE DOWN TO LOWER LEVEL FLOOR LINE AND REMOVE EXISTING FOUNDATION DAMPPROOFING/WATERPROOFING
48	REMOVE TILE FLOORING AND BASE
49	REMOVE METAL DECK AND CONC SLAB OVER EXISTING PIPE TUNNEL AS REQUIRED FOR UNDERFLOOR PLUMBING WORK (AT CROSS-HATCHED AREA) - SEE PLUMBING DRAWINGS
50	REMOVE ALUM DOWNSPOUT
51	CREATE OPENING IN EXISTING FLOOR/ROOF STRUCTURE FOR NEW HVAC DUCTWORK - COORDINATE W/ MECHANICAL AND STRUCTURAL
52	REMOVE METAL ROOF EDGE
53	EXISTING GAS METER TO BE REMOVED - SEE PLUMBING

REMOVAL GENERAL NOTES:	
A.	ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.
B.	AT WALL TYPES/MATERIALS, PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVAL OF EXISTING FINISHES, TAPES, GUESSTIMATE, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
C.	OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
D.	MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOCCUPIED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING.
E.	ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.
F.	COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.
G.	PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:	
	SYMBOL INDICATES REMOVAL NOTE THIS SHEET
	REMOVE ITEMS NOTED WITH DASHED LINES
	SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
	INDICATES REMOVAL OF CONCRETE FLOOR SLAB



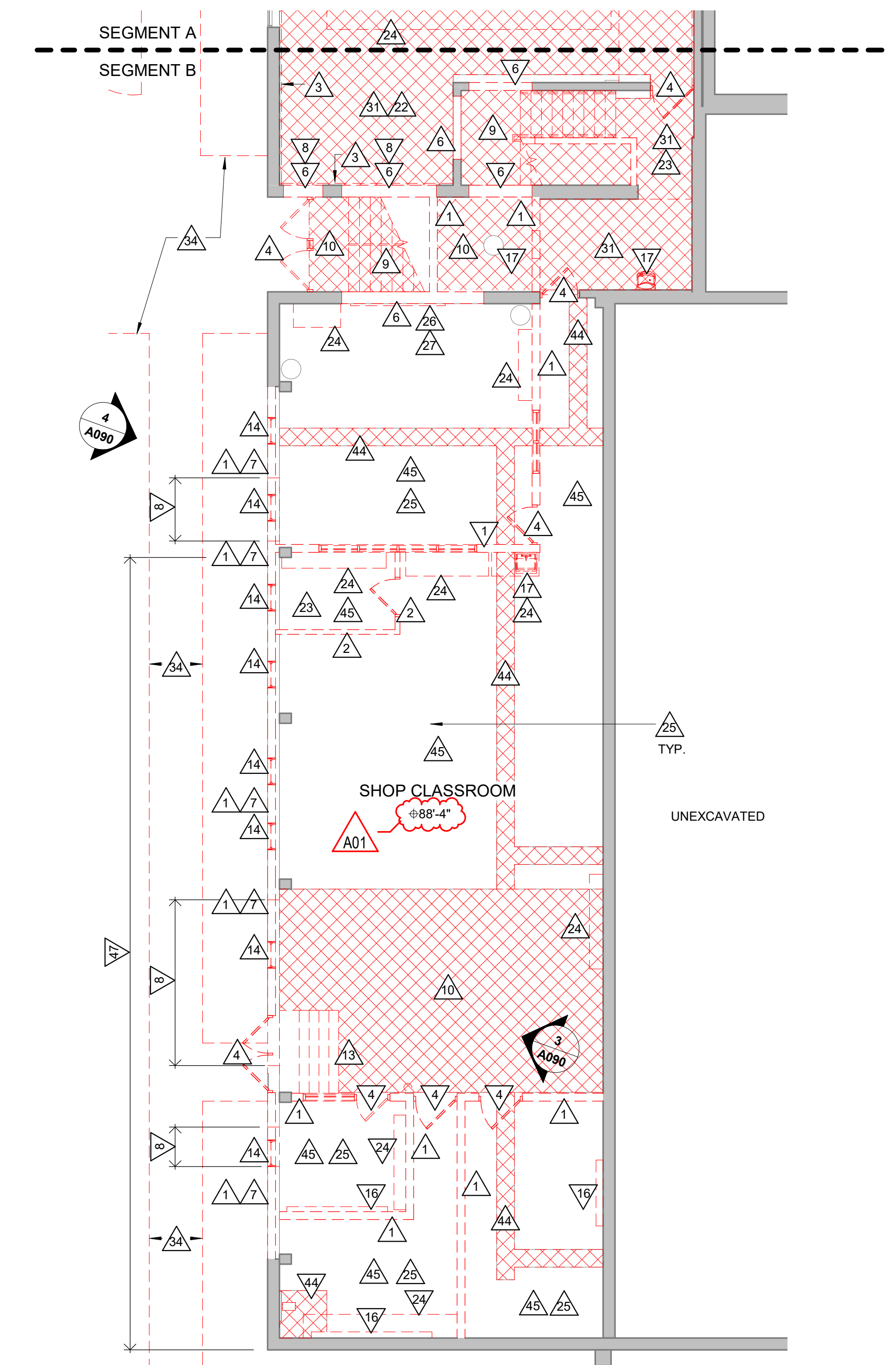
3 SHOP DEMO



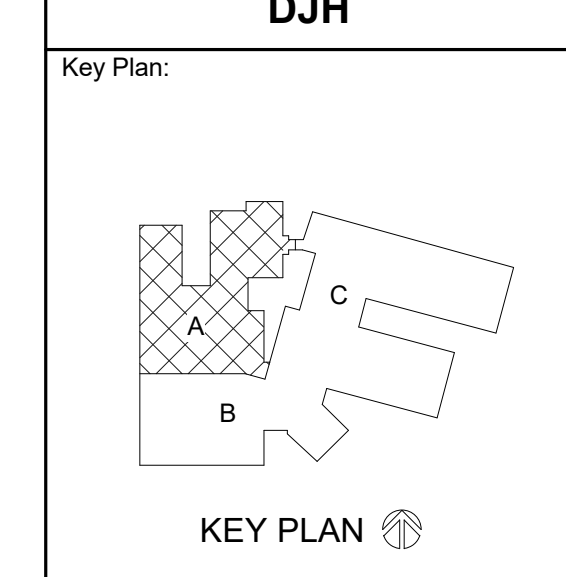
4 WEST WALL DEMO



1 LOWER LEVEL DEMO PLAN - SEG A
1/8" = 1'-0"



2 LOWER LEVEL DEMO PLAN - SEG B
1/8" = 1'-0"



KEY PLAN

BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.2021

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:
9/20/2021 10:24:05 AM

A103

PLAN GENERAL NOTES:

- A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A103-A104 FOR ALL EQUIPMENT NOTES.
- E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 1/2" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
- F. PAINT ALL EXPOSED STEEL LIMTELS.
- G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A511 FOR TOP OF WALL DETAILS.
- H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
- I. SEE A511 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CL LOCATIONS. CJ - CONTROL JOINTS.
- J. SEE A511 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
- K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
- L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT. VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.
- M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.

PLAN LEGEND:

- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE - SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
- (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- (A) INDICATES NEW/FILLED CONG FLOOR SLAB
- 1 HOUR WALL
- 2 HOUR WALL

KEY NOTES PLAN

- 1 PATCH EXISTING WALL AT REMOVED PARTITION
- 2 CONG FLOOR SLAB AND UNDERSLAB PLS - SEE STRUCTURAL
- 3 CONG STAIR - SEE STRUCTURAL
- 4 CMU INFILL AT EXISTING DOOR OPENING
- 5 SLOPE CONG. FLOOR SLAB TO DRAIN - SEE PLUMBING
- 6 BOLLARD - SEE CIVIL
- 7 MECHANICAL EQUIPMENT - SEE MECHANICAL
- 8 CONG. HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
- 9 MCB BASIN - SEE PLUMBING
- 10 UTILITY SINK - SEE PLUMBING
- 11 ELECTRIC WATER COOLER - SEE PLUMBING
- 12 EMERGENCY EYE WASH - SEE PLUMBING
- 13 HAND WASH STATION - SEE PLUMBING
- 14 COLD WATER HOSE BIBB - SEE PLUMBING
- 15 FLOOR DRAIN - SEE PLUMBING
- 16 PATCH CONG FLOOR SLAB AT PLUMBING DEMOLITION
- 17 APPLY FLOOR LEVELING COMPOUND (AT HATCHED AREA) AND PREP FOR NEW FLOORING FINISH
- 18 FURNITURE N/C
- 19 ALIGN NEW WALL TO EDGE OF EXISTING WINDOW TRIM
- 20 ALIGN NEW WALL WITH EXISTING WALL
- 21 CEILING MOUNTED THERAPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
- 22 WELDING BOOTH - 7'-0" HIGH CMU PARTITIONS, WELDING CURTAIN AND ROOF
- 23 REBUILD EXTERIOR WALL (TYPE 'E4') TO MATCH EXISTING. REUSE SALVAGED WINDOW
- 24 36" X 36" FLOOR ACCESS DOOR
- 25 NEW PIPE TUNNEL BELOW - SEE 21A107
- 26 EXISTING FLOOR ACCESS DOOR TO REMAIN
- 27 CMU INFILL AT REMOVED MECHANICAL UNIT
- 28 STEEL ACCESS LADDER
- 29 REMOVE WALL BRACKET FROM EXISTING STEEL HANDRAIL AT ENLARGED WINDOW. GRIND HANDRAIL SMOOTH AND TOUCH-UP PAINT TO MATCH EXISTING.
- 30 JAMBS OF NEW OPENING TO ALIGN WITH EXISTING FILLED IN WINDOW OPENING - VERIFY SIZE
- 31 EXISTING SUMP TO REMAIN - SEE PLUMBING
- 32 NEW METAL DECK AND CONG SLAB INFILL (AT HATCHED AREA) - FLUSH WITH EXISTING FLOORING
- 33 OVERHEAD DOOR TRACKS ABOVE
- 34 CEILING MOUNTED PRIVACY CURTAIN AND TRACK
- 35 EXISTING UNIT VENTILATORS TO BE ABANDONED IN PLACE - SEE MECHANICAL
- 36 CONG RETAINING WALL, RAISED CONG PLATFORM AND STAIRS - SEE STRUCT
- 37 STAINLESS STEEL HANDRAIL AND BRACKETS - RETURN TO WALL AT ENDS
- 38 STAINLESS STEEL GUARDRAIL - SEE SHEET A303
- 39 ACCORDION FOLDING FIRE PARTITION, OVERHEAD TRACK AND STORAGE POCKET
- 40 ELEVATOR PIT ACCESS LADDER BY ELEV SUPPLIER
- 41 COMMERCIAL VERTICAL PLATFORM LIFT - VERIFY SHAFT SIZE W/ MFR - COORDINATE W/ LIFT MFR
- 42 PROVIDE BLOCKING IN WALL AS REQUIRED FOR VERTICAL LIFT - COORDINATE W/ LIFT MFR
- 43 NEW FLOOR FINISH THIS ROOM - SEE ID SHEETS
- 44 FULL-HEIGHT SLATWALL OVER EXISTING CMU WALL
- 45 PATCH CONG FLOOR SLAB AT REMOVED MASONRY WALL-INSTALL VCT AND BASE TO MATCH ADJACENT (ATTIC STOCK). PROVIDE METAL TRANSITION FLOOR PLATE AT WOOD FLOOR IN ROOM 147
- 46 1 5/8" ALUM PIPE GUARDRAIL/HANDRAIL (POWDERCOATED)
- 47 6'-0" W. HINGED 1 5/8" ALUM PIPE GATE W/ LATCH (POWDERCOATED)
- 48 PATCH CONG FLOOR SLAB AT ELEC/PLB TRENCHING
- 49 EXISTING LOUVER TO REMAIN, INFILL INTERIOR WALL OPENING BEHIND LOUVER PER DETAIL 14A511 - SEE MECHANICAL
- 50 SOLID SURFACE WINDOW STOOL
- 51 SOLID SURFACE COUNTER
- 52 PATCH VCT FLOORING AND VINYL BASE - USE OWNER'S ATTIC STOCK
- 53 EXISTING CASEWORK TO REMAIN
- 54 CONG EQUIPMENT PAD - SEE CIVIL
- 55 EXISTING ALUM DOWNSPOUT. DISCONNECT DOWNSPOUT FROM STORM DRAIN BOOT AND ADD ELBOW AND EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT
- 56 EXISTING ALUM DOWNSPOUT. ADD EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT
- 57 NEW ALUM DOWNSPOUT W/ HEAT TAPE. DRAIN TO GRADE.
- 58 EXISTING ALUM DOWNSPOUT. TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL). ADD HEAT TAPE TO DOWNSPOUT
- 59 NEW ALUM DOWNSPOUT W/ HEAT TAPE. TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL).
- 60 TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 15A511
- 61 NEW GAS METER - SEE PLUMBING
- 62 PATCH WALL, CEILING AND FLOOR FINISHES AT REMOVED CHASE
- 63 PIPE ENCLOSURE BY MECH.
- 64 TOUCH-UP WALL PAINT AT REMOVED HVAC/ELEC/PLB
- 65 PATCH WALL FINISH AT REMOVED MARKER/TACKBOARD
- 66 PATCH CONG FLOOR SLAB AS REQ'D AT REMOVED PARTITIONS
- 67 1 1/4" DIA. (1.66" O.D.) STEEL PIPE HANDRAIL (PAINT) - RETURN TO FLOOR AT ENDS
- 68 RETAINING WALL - SEE CIVIL
- 69 STADIUM LIGHT TO REMAIN
- 70 FENCE W/ GATE - SEE CIVIL
- 71 36" X 48" LABEL FIRE RATED ACCESS DOOR
- 72 PLUMBING EQUIPMENT - SEE PLUMBING



EQUIPMENT SCHEDULE

MARK	DESCRIPTION	REMARKS	ROOM #	MFG.	MODEL	DUST COL.	EXHAUST	AIR
1	LATHE	EXISTING	01	DELTA	LA200	No	No	No
2	BAND SAW	EXISTING	01	DELTA	28-254	Yes	No	No
3	PORTABLE AIR COMPRESSOR	EXISTING	02	CRAFTSMAN	919.165230	No	No	No
4	PLANKER	EXISTING	01	GRIZZLY	G04542	Yes	No	No
5	DISC SANDER	EXISTING	01	ROCKWELL	31-710	Yes	No	No
6	TABLE SAW	EXISTING	01	SAWSTOP	PCS 31230	Yes	No	No
7	CHOP SAW TABLE	EXISTING	01			No	No	No
8	WORK TABLE	EXISTING	01			No	No	No
9	CLAMP RACK	EXISTING	01			No	No	No
10	GLUE TABLE	EXISTING	01			No	No	No
11	CNC TABLE	EXISTING	01			Yes	No	No
12	DRILL PRESS	EXISTING	01	DELTA	70-200	No	No	No
13	SANDING TABLE	EXISTING	01			Yes	No	No
14	SMALL TOOL TABLE (DRILL PRESS/MORTISE)	EXISTING	01			No	No	No
15	SCROLL SAW	EXISTING	01			No	No	No
16	JOINTER	EXISTING	01	JET	JJ-4CSX	Yes	No	No
17	ROUTER TABLE	EXISTING	01			No	No	No
18	WORK TABLE (METALS)	EXISTING	01			No	No	No
19	TALL STORAGE CABINET	EXISTING	01			No	No	No
20	TOOL BOX	EXISTING	01			No	No	No
21	WORK BENCH	EXISTING	01			No	No	No
22	HOMAK STORAGE	EXISTING	01			No	No	No
23	METAL CHOP SAW	EXISTING	01			No	No	No
24	GRINDER (LARGE)	EXISTING	01	BALDOR	7306	No	No	No
25	GRINDER (SMALL)	EXISTING	01	BALDOR	612	No	No	No
26	WELDING TABLE	EXISTING	01			No	No	No
27	TIRE BALANCER	EXISTING	01			No	No	No
28	TIRE MOUNTING	EXISTING	01	RANGER	RX850	No	No	No
29	MILLER THUNDERBOLT XL	EXISTING	01	MILLER	THUNDERBOLT XL	No	Yes	No
30	PLASMA CUTTER	EXISTING	01	HYPERMAX	380	Yes	No	No
31	MILLER 212	EXISTING	01	MILLER	212	No	No	No
32	ECONOTIG	EXISTING	01	MILLER	ECONOTIG	No	Yes	No
33	3D PRINTERS	EXISTING	03			No	No	No
34	LASER W/ FUME EXTRACTOR	EXISTING	03	UNIVERSAL		Yes	No	No
35	FLAMMABLE STORAGE	EXISTING	01A			No	No	No
36	TWO POST LIFT	NEW	01	ROTARY LIFT	SPOA10.10.000#	No	No	No



Consultant:

LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
301 WEST ADAMS STREET
LA FARGE, WISCONSIN
FIRST FLOOR - SEGMENT C

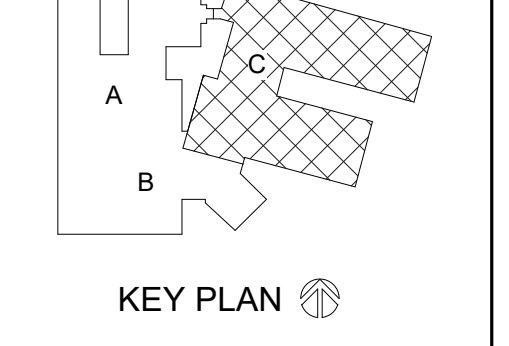
Project Title:
Project Number:
Project Location:

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

No.	Description	Date
AD1	ADD1	9.20.2021

Revisions:

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:
9/20/2021 10:25:20 AM

A107



2 PARTIAL PIPE TUNNEL - SEG C
1/8" = 1'-0"

KEY NOTES PLAN

- PATCH EXISTING WALL AT REMOVED PARTITION
- CONC FLOOR SLAB AND UNDERSLAB FILL - SEE STRUCTURAL
- CONC STUOP - SEE STRUCTURAL
- CMU INFILL AT EXISTING DOOR OPENING
- SLOPE CONC FLOOR SLAB TO DRAIN - SEE PLUMBING
- BOLLARD - SEE CIVIL
- MECHANICAL EQUIPMENT - SEE MECHANICAL
- CONC HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
- MOB BASIN - SEE PLUMBING
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- ALIGN NEW WALL TO EDGE OF EXISTING WINDOW TRIM
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- WELDING BOOTH - 7'0" HIGH CMU PARTITIONS, WELDING CURTAIN AND ROD
- REBUILD EXTERIOR WALL (TYPE 'E4') TO MATCH EXISTING. REUSE BALANCED WINDOW
- 36" x 36" FLOOR ACCESS DOOR
- NEW PIPE TUNNEL BELOW - SEE 2/A107
- EXISTING FLOOR ACCESS DOOR TO REMAIN
- CMU INFILL AT REMOVED MECHANICAL UNIT
- STEEL ACCESS LADDER
- REMOVE WALL BRACKET FROM EXISTING STEEL HANDRAIL AT ENLARGED WINDOW. GRIND HANDRAIL SMOOTH AND TOUCH-UP PAINT TO MATCH EXISTING
- JAMBS OF NEW OPENING TO ALIGN WITH EXISTING FILLED IN WINDOW OPENING - VERIFY SIZE
- EXISTING SLUMP TO REMAIN - SEE PLUMBING
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- 5/8" W/ FINISH 1 5/8" ALUM PIPE GATE W/ LATCH (POWDERCOATED)
- PATCH CONC FLOOR SLAB AT ELEC/PLB TRENCHING
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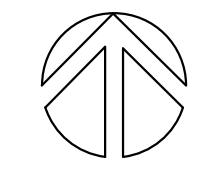
PLAN GENERAL NOTES:

- REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A104-A106 FOR ALL EQUIPMENT NOTES.
- UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 1/2" TO FLOOR DRAINS - TO "CENTER" IF NO FLOOR DRAINS.
- PAINT ALL EXPOSED STEEL LINTELS.
- EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A511 FOR TOP OF WALL DETAILS.
- INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILD. NO BULLNOSE AT WINDOW JAMBS.
- SEE A511 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.
- SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
- GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL, ELECTRICAL EQUIPMENT - VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.
- VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

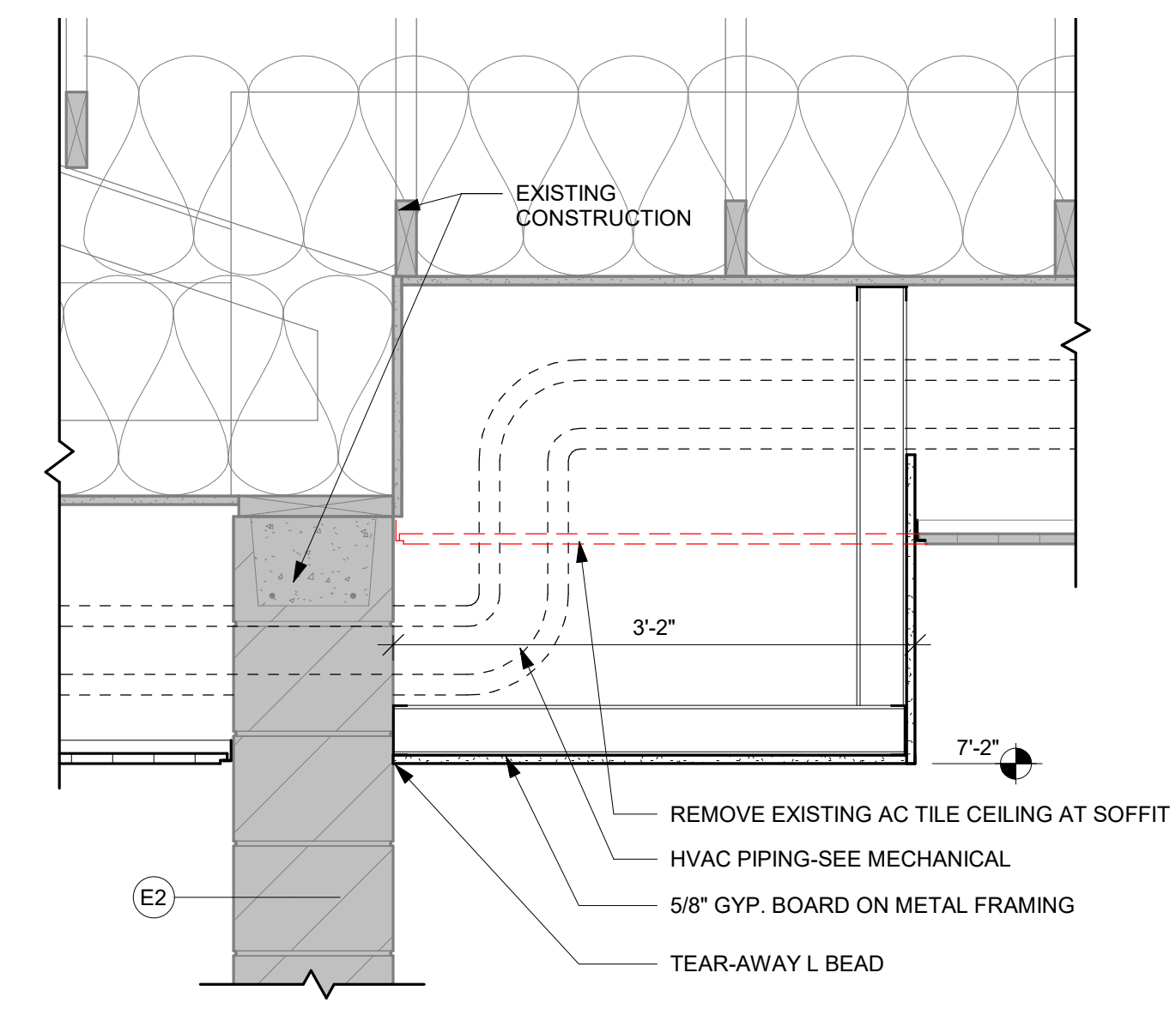
- SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
- SYMBOL INDICATES WINDOW TYPE. SEE SHEET A601 FOR WINDOW FRAME ELEVATIONS.
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- INDICATES NEW/INFILLED CONC FLOOR SLAB
- 1 HOUR WALL
- 2 HOUR WALL

1 FIRST FLOOR - SEGMENT C
1/8" = 1'-0"





Consultant:

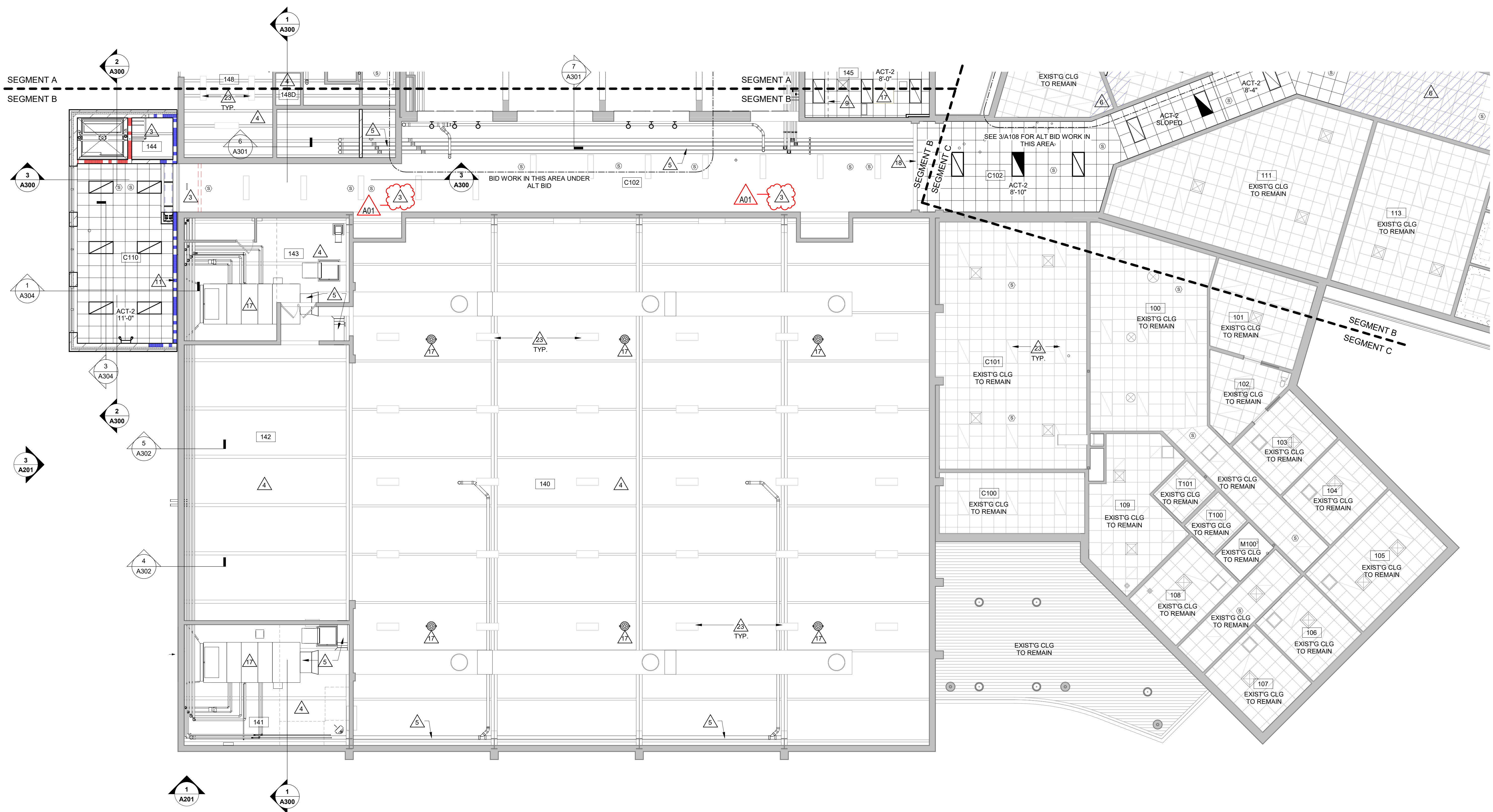


2 SOFFIT DETAIL
1" = 1'-0"

- RCP GENERAL NOTES:**
- A. REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.
 - B. SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
 - C. SEE ELECTRICAL FOR LIGHTING TYPES.
 - D. ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. GLOBE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR FIRESTOPPING SYSTEM. IN GYPSTUD PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.
 - E. ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
 - F. WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.
 - G. ALL EXTERIOR EXPOSED STEEL LINTELS/HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE.
 - H. REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.
 - I. ALL NEW EXPOSED DUCTWORK IS TO BE PAINT-GRIP STEEL AND PAINTED.
 - J. HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
 - K. CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
 - L. REMOVE CEILING TILE FOR MEP ACCESS AS REQUIRED. REPLACE CEILING TILE DAMAGED DURING CONSTRUCTION.
 - M. CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-1-SQUARE EDGE, ACT-2-REGULAR EDGE, ACT-3-1/8\"/>

- RCP LEGEND:**
- LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - SMOKE / HEAT DETECTOR - SEE ELECTRICAL
 - SPEAKER - SEE ELECTRICAL
 - SUPPLY - SEE MECHANICAL
 - RETURN - SEE MECHANICAL
 - EXHAUST - SEE MECHANICAL
 - DESTRAT FAN - SEE MECHANICAL

- KEY NOTES RCP**
- 1 1 HOUR FIRE RATED CEILING (PAINT) - SEE 2A110
 - 2 2 HOUR FIRE RATED CEILING (PAINT) - SEE 3A110
 - 3 NO CEILING - EXPOSED STRUCTURE (PAINT) - SEE GENERAL NOTE F
 - 4 NO CEILING - EXPOSED STRUCTURE TOUCH-UP PAINT AT REMOVED (HVAC/ELEC) - SEE GENERAL NOTE F
 - 5 EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED.
 - 6 NEW EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED.
 - 7 REMOVE CEILING TILE AND GRID FOR MEP WORK. SALVAGE FOR REINSTALLATION (AT HATCHED AREA). REINSTALL AFTER MEP INSTALLATION. SEE GENERAL NOTE K FOR ADDITIONAL SCOPE AREAS.
 - 8 CEILING MOUNTED THERAPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
 - 9 OVERHEAD DOOR TRACK
 - 10 GYP BOARD BULKHEAD/SOFFIT (PAINT) - SEE 4A110
 - 11 LABEL ALL RATED WALLS AS SPECIFIED IN SPEC SECTION 07 05 53
 - 12 EXISTING STRUCTURAL WOOD CEILING (PAINT)
 - 13 EXISTING WOOD BEAM TO REMAIN
 - 14 PAINTED WOOD 1X8 TO COVER MOUNTING HOLES FROM REMOVED LIGHT FIXTURES. MOUNT NEW LIGHT FIXTURE TO 1X8
 - 15 TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 15A511
 - 16 ACOUSTIC TILE CEILING CLOUD W/ PERIMETER TRIM - SEE SPEC
 - 17 CEILING MOUNT HVAC EQUIPMENT - SEE MECH
 - 18 EXISTING BULKHEAD/SOFFIT TO REMAIN (PAINT)
 - 19 1\"/>



1 FIRST FLOOR RCP- SEGMENT B
1/8" = 1'-0"

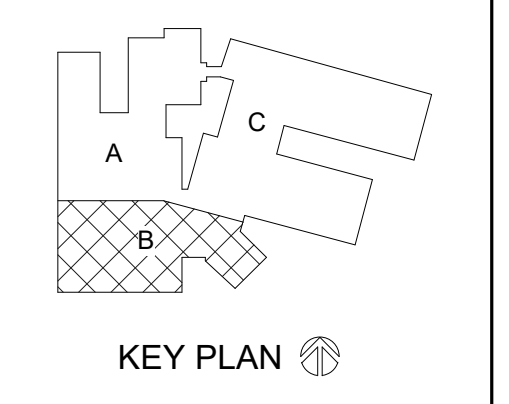
Project Title: **LA FARGE SCHOOL DISTRICT ADDITION AND RENOVATION**
Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
Sheet Title: **FIRST FLOOR RCP - SEGMENT B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.2021

Graphic Scale: **VARIES**

Last Update: **9/20/2021 10:35:19 AM**

A112



Consultant:

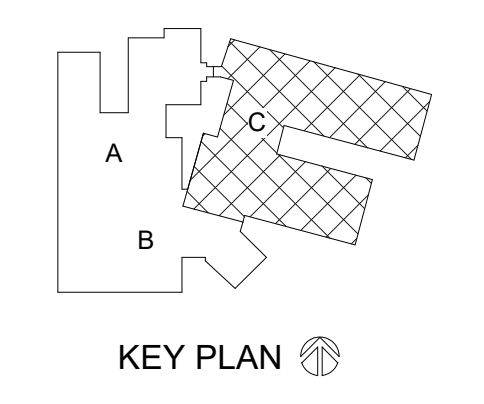
Project Title: **LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**
Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**
Sheet Title: **FIRST FLOOR RCP - SEGMENT C**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.2021

Graphic Scale: **VARIES**

Last Update: **9/20/2021 10:59:35 AM**

A113

KEY NOTES RCP

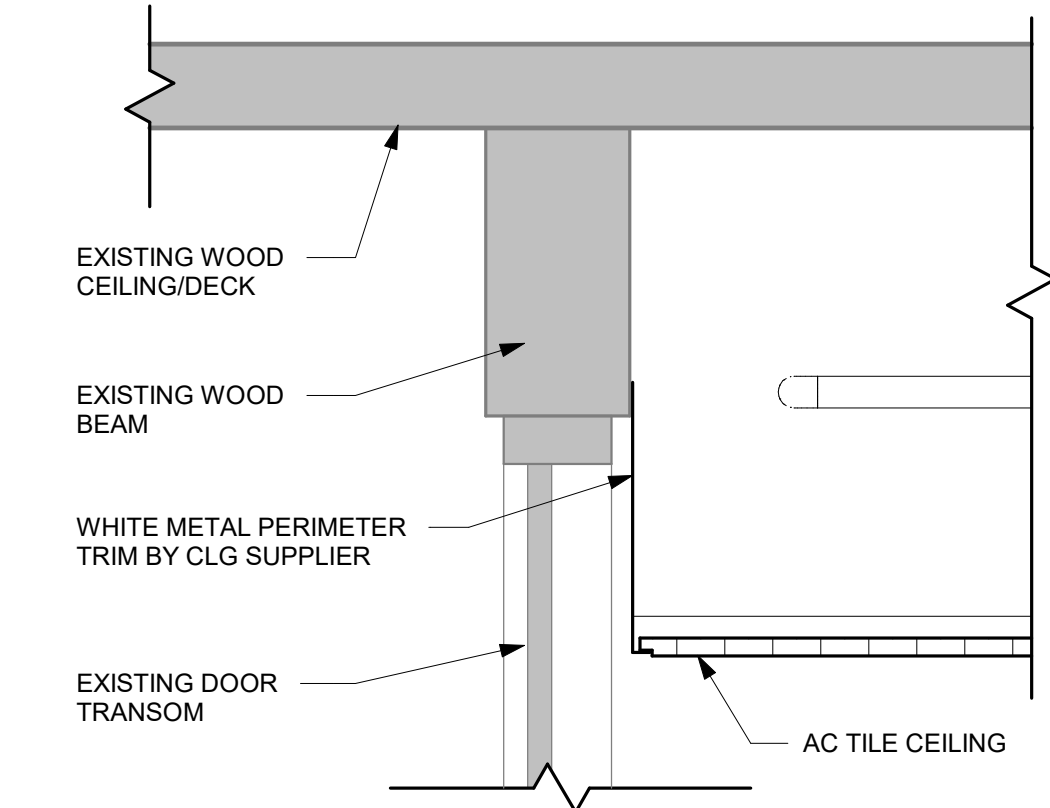
- 1 HOUR FIRE RATED CEILING (PAINT) - SEE 2/A110
- 2 HOUR FIRE RATED CEILING (PAINT) - SEE 3/A110
- NO CEILING - EXPOSED STRUCTURE (PAINT) - SEE GENERAL NOTE F
- NO CEILING - EXPOSED STRUCTURE (TOUCH-UP PAINT AT REMOVED HVAC/ELEC) - SEE GENERAL NOTE F
- EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED
- NEW EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED
- REMOVE CEILING TILE AND GRID FOR MEP WORK, SALVAGE FOR REINSTALLATION (AT HATCHED AREA). REINSTALL AFTER MEP INSTALLATION. SEE GENERAL NOTE F FOR ADDITIONAL SCOPE AREAS.
- CEILING MOUNTED THERAPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
- OVERHEAD DOOR TRACK
- CEILING MOUNTED PRIVACY CURTAIN AND TRACK
- GYP BOARD BULKHEAD/SOFFIT (PAINT) - SEE 4/A110
- LABEL ALL RATED WALLS AS SPECIFIED IN SPEC SECTION 07 05 53
- EXISTING STRUCTURAL WOOD CEILING (PAINT)
- EXISTING WOOD BEAM TO REMAIN
- PAINTED WOOD 1X8 TO COVER MOUNTING HOLES FROM REMOVED LIGHT FIXTURES. MOUNT NEW LIGHT FIXTURE TO 1X8.
- TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 15/A111
- ACOUSTIC TILE CEILING CLOUD W/ PERIMETER TRIM - SEE SPEC
- CEILING MOUNT HVAC EQUIPMENT - SEE MECH
- EXISTING BULKHEAD/SOFFIT TO REMAIN (PAINT)
- 1'-6" X 8'-0" ACOUSTIC PANELS (AWP-1) ATTACHED TO UNDERSIDE OF EXISTING CONC FLOOR DECK
- PATCH CEILING AT REMOVED MECHANICAL CHASE
- FILL HOLE IN EXISTING CONCRETE CEILING/ROOF W/ BATT INSULATION AND COVER HOLE W/ 1/4" STEEL PLATE
- PATCH CEILING AT REMOVED PARTITION
- EXISTING LIGHT FIXTURE TO REMAIN

RCP GENERAL NOTES:

- REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.
- SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
- SEE ELECTRICAL FOR LIGHTING TYPES.
- ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. CLOSE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR FIRESTOPPING SYSTEM. IN GYP/STUO PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.
- ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
- WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE. WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.
- ALL EXTERIOR EXPOSED STEEL LINTELS/HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE. REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.
- ALL NEW EXPOSED DUCTWORK IS TO BE PAINT-GRIP STEEL AND PAINTED.
- HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
- CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
- REMOVE CEILING TILE FOR MEP ACCESS AS REQUIRED. REPLACE CEILING TILE DAMAGED DURING CONSTRUCTION.
- CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-1= SQUARE EDGE, ACT-2= SQUARE EDGE, ACT-3= VINYL FACED GYP, ACT-4= HIGH PERFORMANCE

RCP LEGEND:

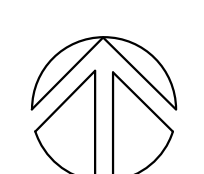
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
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- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- SMOKE / HEAT DETECTOR - SEE ELECTRICAL
- SPEAKER - SEE ELECTRICAL
- SUPPLY - SEE MECHANICAL
- RETURN - SEE MECHANICAL
- EXHAUST - SEE MECHANICAL
- DESTRAT FAN - SEE MECHANICAL



3 CEILING DETAIL
1 1/2" = 1'-0"



1 FIRST FLOOR RCP- SEGMENT C
1/8" = 1'-0"



ELEVATION GENERAL NOTES:

A. SEE DETAILS A511 FOR CONTROL JOINT (CJ) AND VENEER CONTROL JOINT (VCJ) INFORMATION.

B. VENEER COURSING: RUNNING BOND TYPICAL.

ELEVATION LEGEND:

KEYNOTE TAG

WINDOW TAG - SEE SHEET A601 FOR FRAME ELEVATIONS

CJ THROUGH WALL CONTROL JOINT - SEE DETAILS A511

VCJ VENEER CONTROL JOINT - SEE DETAILS A511

SPLIT FACED CMU VENEER

FACE BRICK VENEER

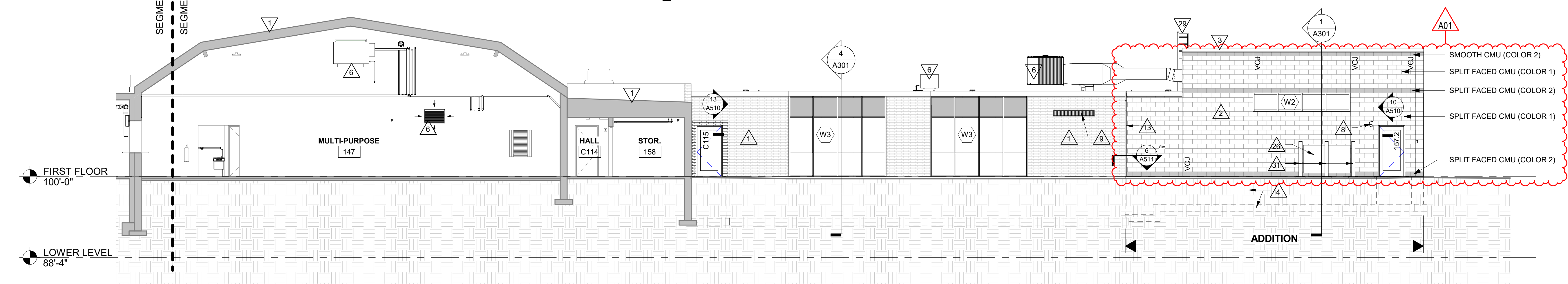
EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

KEY NOTES ELEVATION

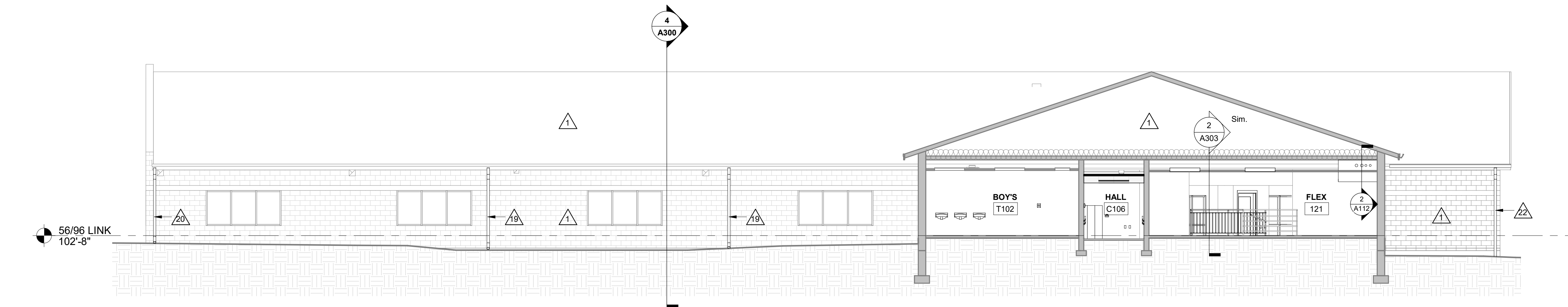
- EXISTING BUILDING
- SPLIT-FACED CMU VENEER
- PREFINISHED METAL WALL CAP
- CONC FOUNDATION AND FOOTING - SEE STRUCTURAL
- IMPACT RESISTANT EIFS (EXTERIOR INSULATION AND FINISH SYSTEM)
- MECHANICAL EQUIPMENT - SEE MECHANICAL
- PLUMBING FIXTURE - SEE PLUMBING
- ELECTRICAL FIXTURE - SEE ELECTRICAL
- EXISTING LOUVER TO REMAIN, INFILL INTERIOR WALL OPENING BEHIND LOUVER PER DETAIL A44511 - SEE MECHANICAL
- REBUILD EXTERIOR WALL (TYPE 'E4') TO MATCH EXISTING. REUSE SALVAGED WINDOW.
- NEW ALUM GUTTER
- INFILL WALL OPENING WITH WALL TYPE A4
- PREFORMED JOINT SEAL
- INFILL FOUNDATION OPENING W/ CONC AT REMOVED DOOR. ADD FLUIC-APPLIED WATERPROOFING
- PATCH BRICK W/ CMU BACKUP AT REMOVED HVAC PLUMBING
- 1 1/2" DIA. ALUM PIPE GUARDRAIL/HANDRAIL (POWDERCOATED)
- 12" WIDE X 8" HIGH PREFINISHED SHEET METAL THRU-WALL OVERFLOW ROOF SCUPPER. CONSTRUCT PER SMACNA GUIDELINES AND FLASH PER ROOF MANUF. WARRANTY.
- 6" W. HINGED 1 1/2" ALUM PIPE GATE W/LATCH (POWDERCOATED)
- EXISTING ALUM DOWNSPOUT. DISCONNECT DOWNSPOUT FROM STORM DRAIN BOOT AND ADD ELBOW AND EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT.
- NEW ALUM DOWNSPOUT W/ HEAT TAPE. DRAIN TO GRADE.
- EXISTING ALUM DOWNSPOUT. TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL). ADD HEAT TAPE TO DOWNSPOUT.
- NEW ALUM DOWNSPOUT W/ HEAT TAPE. TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL).
- CONC RETAINING WALL - SEE STRUCT
- EXISTING GAS METER TO BE REMOVED - SEE PLUMBING
- NEW GAS METER - SEE PLUMBING
- EXISTING LOUVER AND UNIT VENT TO REMAIN ABANDONED IN PLACE. SEE MECHANICAL.
- EXISTING CHIMNEY FLUES TO BE CAPPED - SEE MECHANICAL
- ROOF ACCESS LADDER
- REMOVE EXISTING FOUNDATION WATERPROOFING - APPLY RUB/FILL FINISH TO EXPOSED CONC FOUNDATION WALL (PAINT)
- BOLLARD - SEE CIVIL



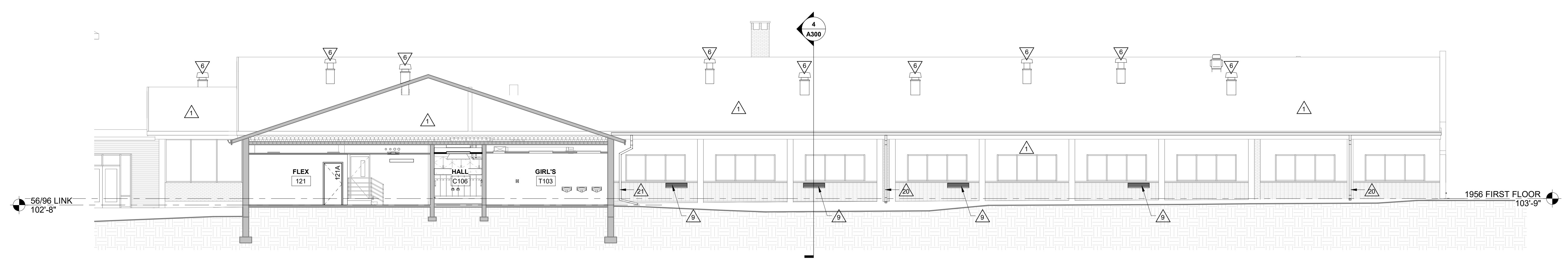
4 WEST ELEV - SEG A 1901 BLDG
1/8" = 1'-0"



3 PARTIAL EAST ELEVATION - SEGMENT A
1/8" = 1'-0"



2 NORTH ELEVATION/BUILDING SECTION - SEGMENT C
1/8" = 1'-0"



1 SOUTH ELEVATION/BUILDING SECTION - SEGMENT C
1/8" = 1'-0"

Project Title: **LA FARGE SCHOOL DISTRICT ADDITION AND RENOVATION**

Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**

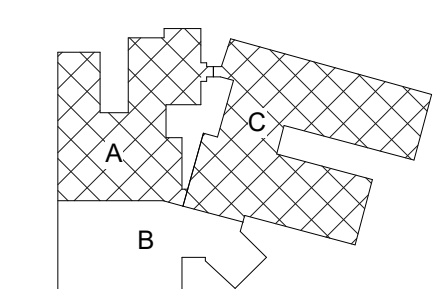
Sheet Title: **EXTERIOR ELEVATIONS**

Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

Revisions:

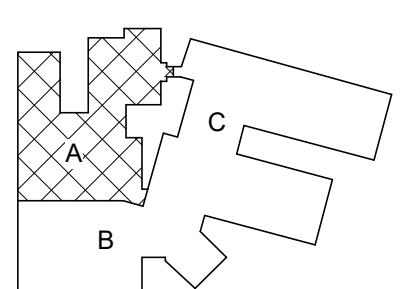
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Graphic Scale: 0' 2' 4' 8' 12'

Last Update: **9/20/2021 10:36:12 AM**

BID DOCUMENTS

A202



KEY PLAN

**CONSTRUCTION
DRAWINGS**

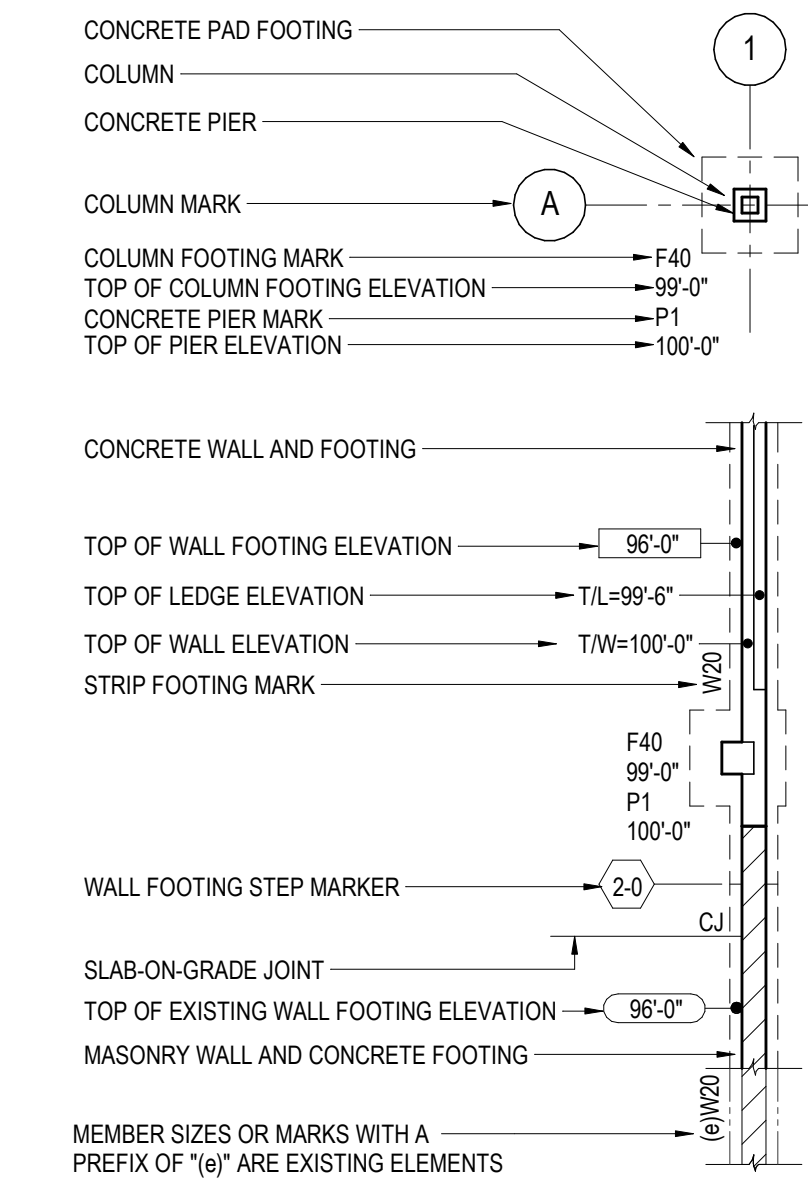
No.	Description	Date
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Graphic Scale:
VARIES

Last Update:
9/20/2021 11:54:32 AM

S104

FOUNDATION LEGEND

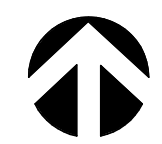
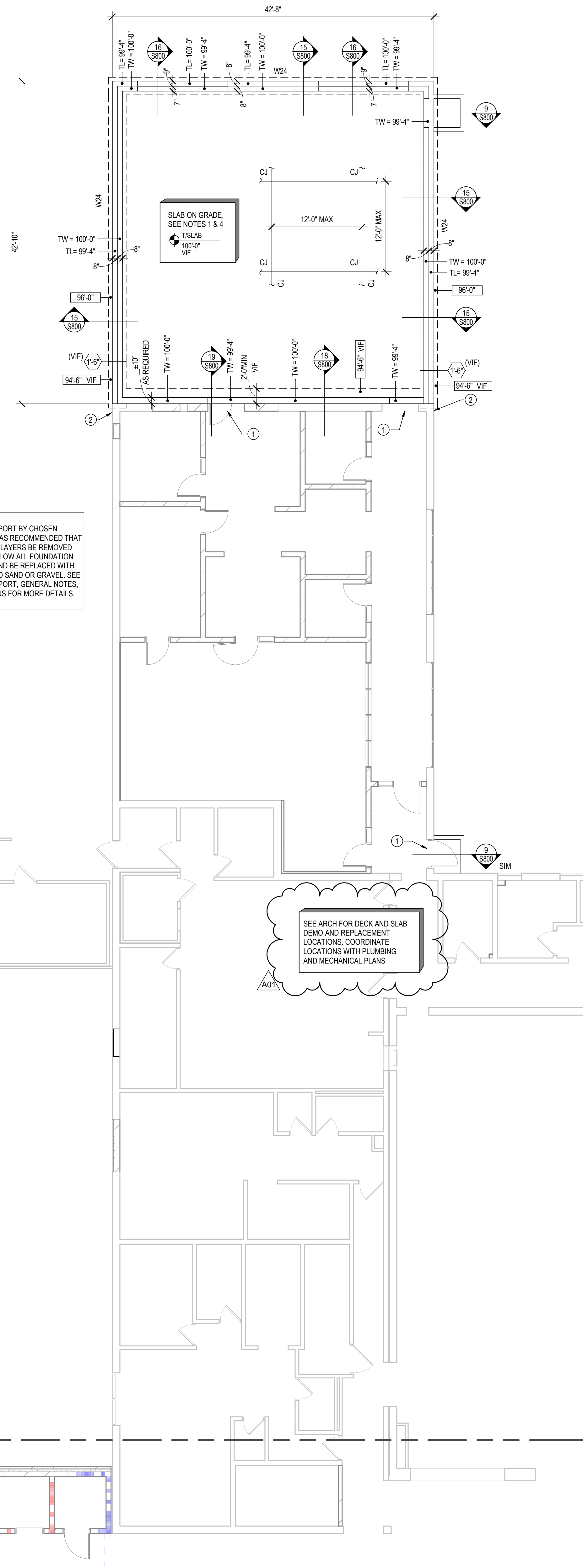


FOUNDATION PLAN NOTES

- FINISH SLAB ELEVATION = MATCH EXISTING
- SLAB-ON-GRADE TO BE 4" THICK WITH SYNTHETIC FIBERS (REFER TO SPECIFICATION) 10 MIL VAPOR BARRIER OVER 6" COARSE STONE BASE UNLESS NOTED OTHERWISE.
- SLAB-ON-GRADE TO BE 4" THICK WITH SYNTHETIC FIBERS (REFER TO SPECIFICATION) 10 MIL VAPOR BARRIER OVER 6" COARSE STONE BASE UNLESS NOTED OTHERWISE.
- SLAB-ON-GRADE TO BE 4" THICK WITH SYNTHETIC FIBERS (REFER TO SPECIFICATION) 10 MIL VAPOR BARRIER OVER 2" RIGID INSULATION (MIN EPS 19 DENSITY) OVER 6" COARSE STONE BASE. COORDINATE REQUIREMENTS WITH RADIANT HEATING SUPPLIER.
- TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE 1/4" x (80G THICKNESS) ISOLATION FILLER STRIP. SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
- OVER-EXCAVATION PER DETAIL 1/8800 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
- OVERALL DIMENSIONS ON FOUNDATION PLAN ARE FROM EDGE OF FOUNDATION WALL. SEE ARCH FOR RELATIVE AND OVERALL CMU WALL DIMENSIONS.
- TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
2/8800 SLAB-ON-GRADE JOINT DETAIL
3/8800 CONCRETE WALL JOINT DETAIL
4/8800 WALL OPENING DETAIL
5/8800 SLAB OPENING DETAIL
6/8800 LATERAL AT FOUNDATION WALL AND FOOTING DETAIL
7/8800 FOOTING STEP DETAIL
8/8800 FOUNDATION CORNER REINFORCING
9/8800 TYPICAL STOOP DETAIL

FOUNDATION KEY NOTES

- FIELD CUT FOUNDATION WALL 8" BELOW EXISTING SLAB AT NEW OPENINGS.
- FIELD VERIFY EXISTING FOOTING ELEVATION AND STEP FOOTING AS REQUIRED TO ACCOMMODATE EXISTING ELEVATIONS





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Consultant:
ONEIDA
Total Integrated
Enterprises

PROJECT NUMBER : 2021082

LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

301 WEST ADAMS STREET
LA FARGE, WISCONSIN

LOWER LEVEL PLUMBING DEMO PLANS - SEG A & B

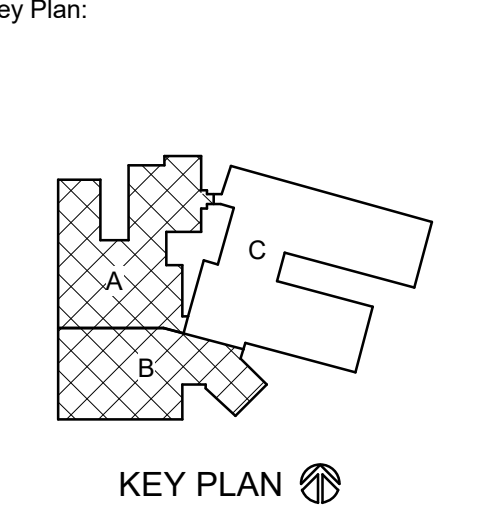
Project Title:
Project Location:
Sheet Title:

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



BID DOCUMENTS

No.	Description	Date
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Graphic Scale:
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Last Update:
9/21/2021 9:32:35 AM

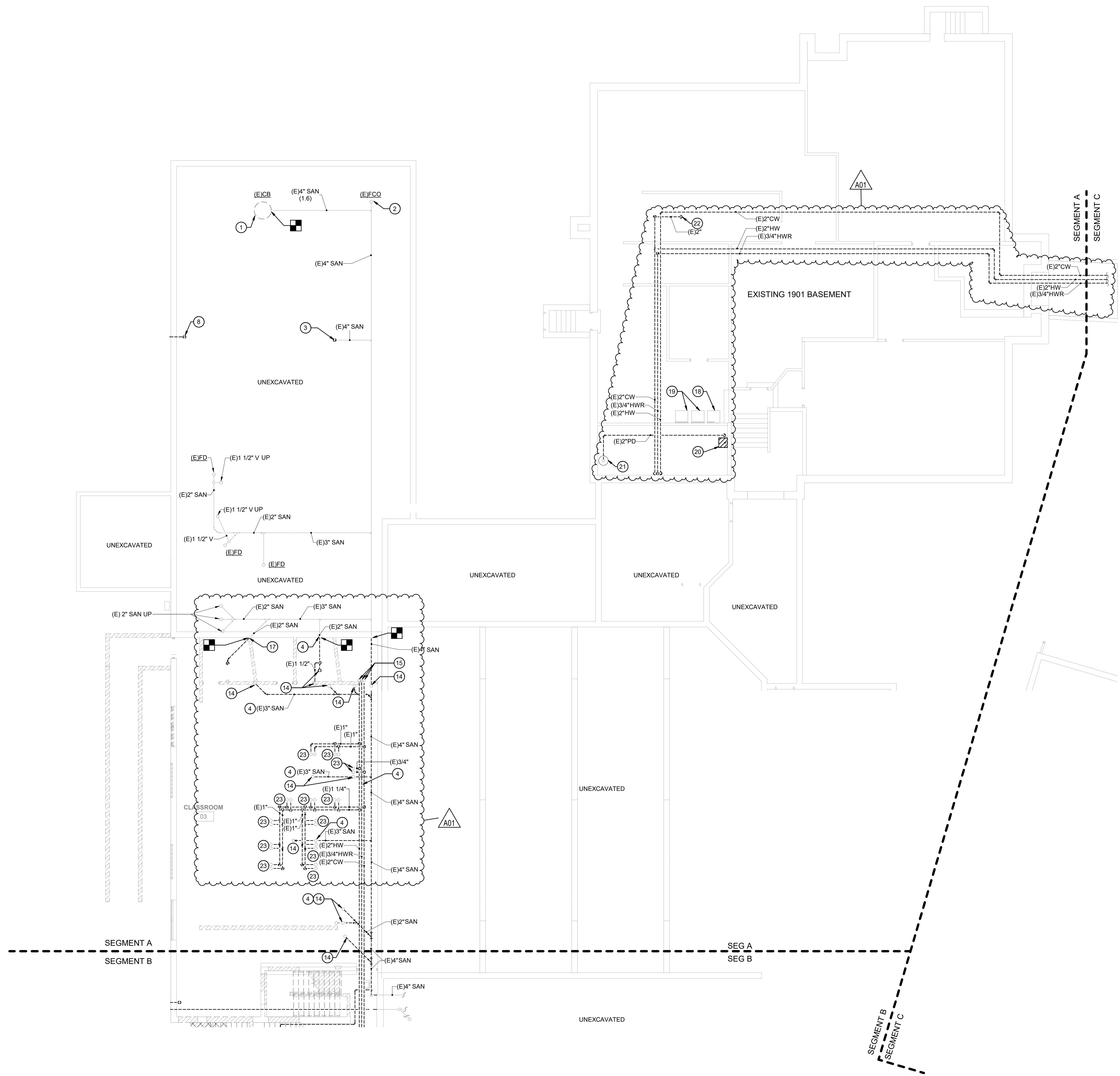
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GENERAL NOTES: PLUMBING

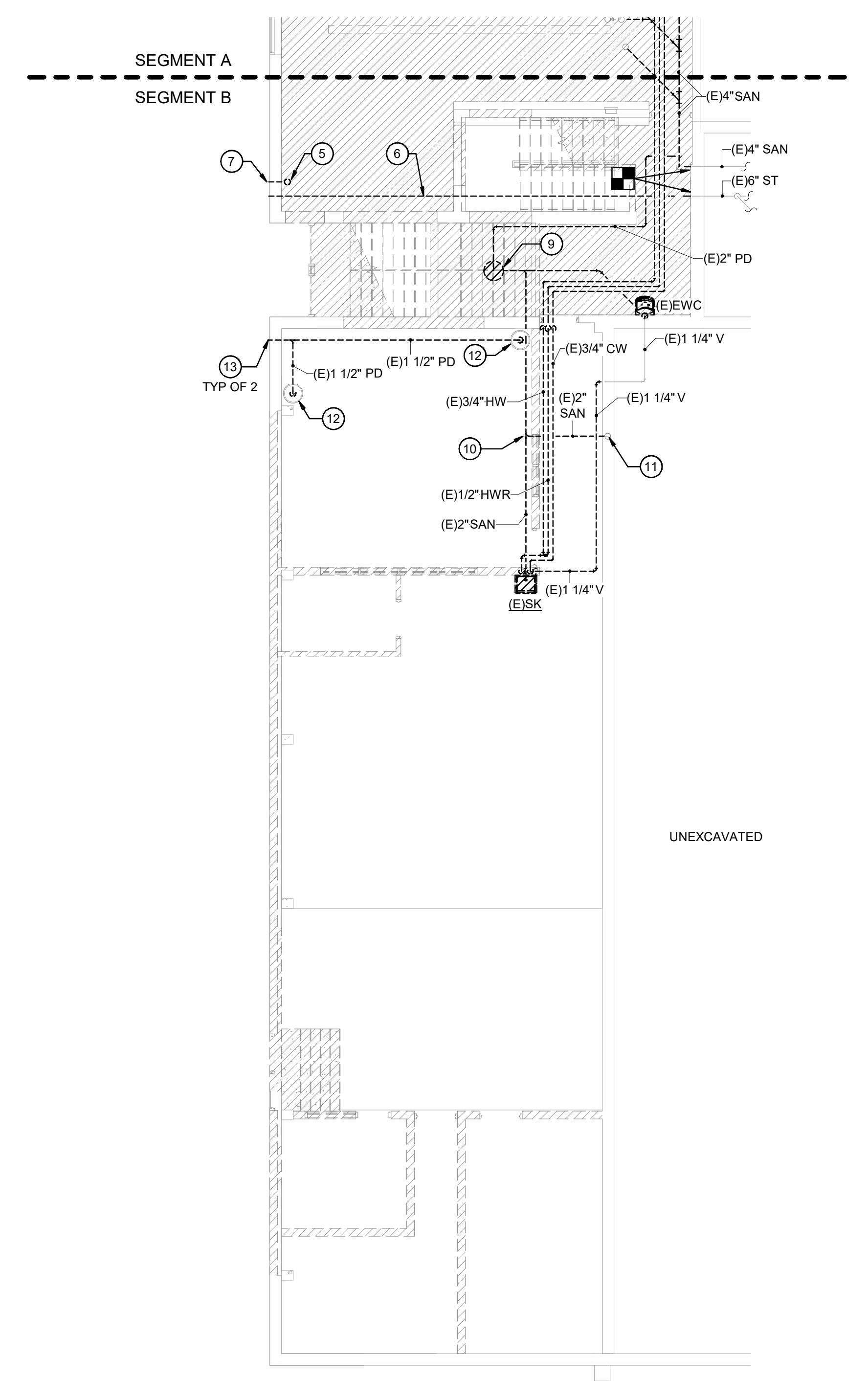
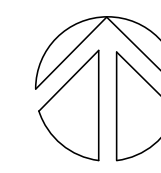
1. EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.

PLUMBING DEMOLITION PLAN KEYNOTES

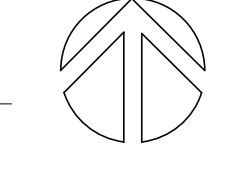
- REMOVE CATCH BASIN COMPLETE. G.C. TO INFILL AND PATCH CONCRETE EXISTING UNDERFLOOR PIPING TO REMAIN FOR NEW CONNECTION.
- EXISTING FLOOR CLEANOUT TO BE ABANDONED IN PLACE
- REMOVE PIPING CONNECTION TO REMOVED PLUMBING FIXTURE TO BELOW FLOOR AND CAP G.C. TO PATCH CONCRETE.
- REMOVE PIPING FOR REPLACEMENT TO POINTS NOTED.
- REMOVE 4" ST UP TO FLOOR ABOVE FOR REPLACEMENT IN DIFFERENT LOCATION.
- REMOVE 6" ST PIPING FOR REPLACEMENT IN DIFFERENT LOCATION.
- REMOVE (2) ST PIPE TERMINATIONS THROUGH WALL. G.C. TO PATCH WALL.
- REMOVE 4" ST TO BELOW FLOOR AND CAP. REMOVE ST. TERMINATION TO BEHIND EXTERIOR WALL. G.C. TO PATCH FLOOR AND WALL.
- REMOVE SEWAGE EJECTOR AND ALL ASSOCIATED PIPING AND CONTROLS.
- REMOVE SAN PIPING BELOW FLOOR. G.C. SHALL INFILL AND PATCH.
- SAN PIPING UP TO EXISTING WATER COOLER TO REMAIN FOR NEW CONNECTION.
- EXISTING FOUNDATION DRAIN SUMP AND PUMP SHALL REMAIN. REMOVE ABOVE GROUND PIPING FOR REPLACEMENT.
- REMOVE PIPE TERMINATION THROUGH WALL. G.C. SHALL PATCH WALL.
- REMOVE PIPING TO PLUMBING FIXTURE/EQUIPMENT/FD ABOVE FOR NEW PIPING CONNECTION.
- 2" CW, 2" HW, 3/4" HWR UP TO REMAIN FOR NEW CONNECTION.
- ABANDON BELOW GROUND VENT PIPING IN PLACE CAP PIPE.
- CAP ABANDONED SAN PIPE AT WALL.
- EXISTING ICE MACHINE TO REMAIN. REMOVE PLUMBING CONNECTIONS FOR REPLACEMENT.
- EXISTING CLOTHES WASHER TO REMAIN. PLUMBING CONNECTIONS TO HOSE BIBBS TO BE REMOVED FOR REPLACEMENT.
- REMOVE EXISTING SERVICE SINK AND ASSOCIATED PIPING FOR REPLACEMENT.
- EXISTING SUMP / PUMP TO REMAIN. REMOVE DISCHARGE PIPE FOR REPLACEMENT.
- REMOVE ALL CW / HW PIPING TO ABANDONED HOT WATER HEATING TANK.
- EXISTING 3/4" CW AND 3/4" HW UP TO SHOWER TO REMAIN FOR NEW CONNECTION.



1 LOWER LEVEL PLUMBING DEMO PLAN - SEG A
1/8" = 1'-0"



2 LOWER LEVEL PLUMBING DEMO PLAN - SEG B
1/8" = 1'-0"





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Consultant:
ONEIDA
Total Integrated
Enterprises

PROJECT NUMBER : 2021082

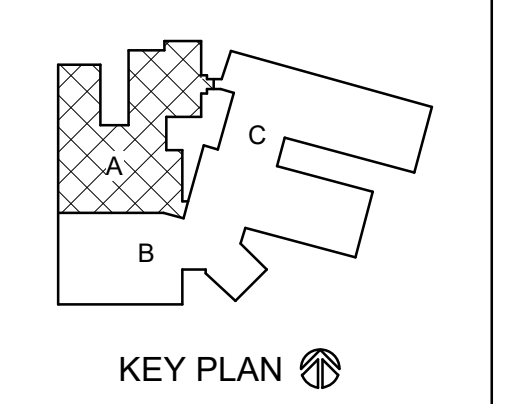
Project Title: **LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**
Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**
Sheet Title: **FIRST FLOOR PLUMBING DEMO PLAN - SEG A**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.21

Graphic Scale:
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Last Update:
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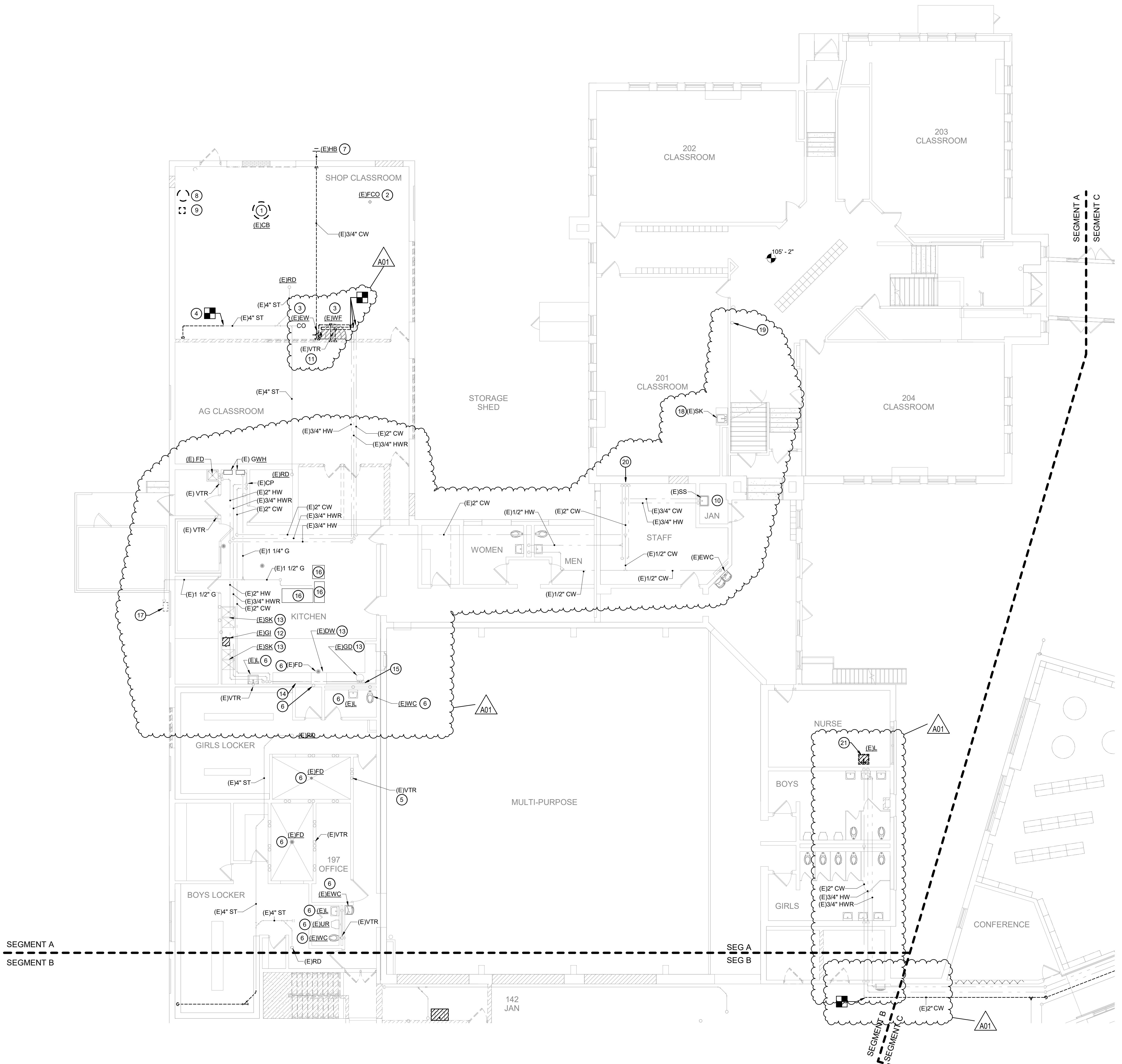
P091

GENERAL NOTES: PLUMBING

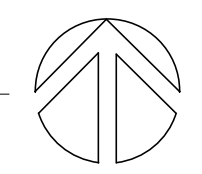
1. EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.

PLUMBING DEMOLITION PLAN KEYNOTES

1. REMOVE CATCH BASIN. REFER TO SHEET P090 FOR DETAILS.
2. EXISTING FLOOR CLEANOUT TO E ABANDONED IN PLACE.
3. REMOVE PLUMBING FIXTURE AND ASSOCIATED PIPING.
4. REMOVE ST PIPING FROM POINT NOTED DOWN TO BELOW FLOOR.
5. REMOVE ST PIPING FROM POINT NOTED DOWN TO LOWER LEVEL.
6. EXISTING PLUMBING FIXTURE / EQUIPMENT / FLOOR DRAINS TO REMAIN. REFER TO SHEET P090 FOR PIPING REPLACEMENT.
7. REMOVE WALL HYDRANT AND ASSOCIATED PIPING REMOVE ABANDONED UNDERFLOOR PIPING CONNECTION BELOW FLOOR, G.C. TO PATCH FLOOR.
8. REMOVE EXISTING AIR COMPRESSOR AND ALL CONNECTED PIPING IN SPACE. TURN COMPRESSOR OVER TO OWNER.
9. REMOVE COMPRESSED AIR HOSE REEL AND TURN OVER TO OWNER.
10. EXISTING PLUMBING FIXTURE TO REMAIN.
11. EXISTING VTR TO REMAIN FOR NEW CONNECTION.
12. REMOVE EXISTING GREASE INTERCEPTOR FOR REPLACEMENT.
13. EXISTING PLUMBING FIXTURE/EQUIPMENT AND ASSOCIATED PIPING TO REMAIN.
14. EXISTING 2" CW, 3/4" HWR, 2" HW TO REMAIN.
15. EXISTING 2" CW, 3/4" HWR, 2" HW DN TO FLOOR BELOW TO REMAIN.
16. EXISTING COOKING EQUIPMENT AND ASSOCIATED GAS PIPING CONNECTIONS TO REMAIN.
17. UTILITY TO REMOVE GAS METER SET. P.C. TO REMOVE PIPING SERVING BUILDING (AFTER METER) TO POINT SHOWN.
18. EXISTING PLUMBING FIXTURE TO REMAIN. REMOVE CW/HW PIPING FOR REPLACEMENT.
19. REMOVE CW PIPING COMPLETE.
20. 2" CW, 2" HW, 3/4" HWR DN.
21. REMOVE EXISTING PLUMBING FIXTURE. EXISTING ROUGH IN PIPING TO BE MODIFIED TO ACCOMMODATE NEW FIXTURE.



1 FIRST FLOOR PLUMBING DEMO PLAN - SEG A
1/8" = 1'-0"



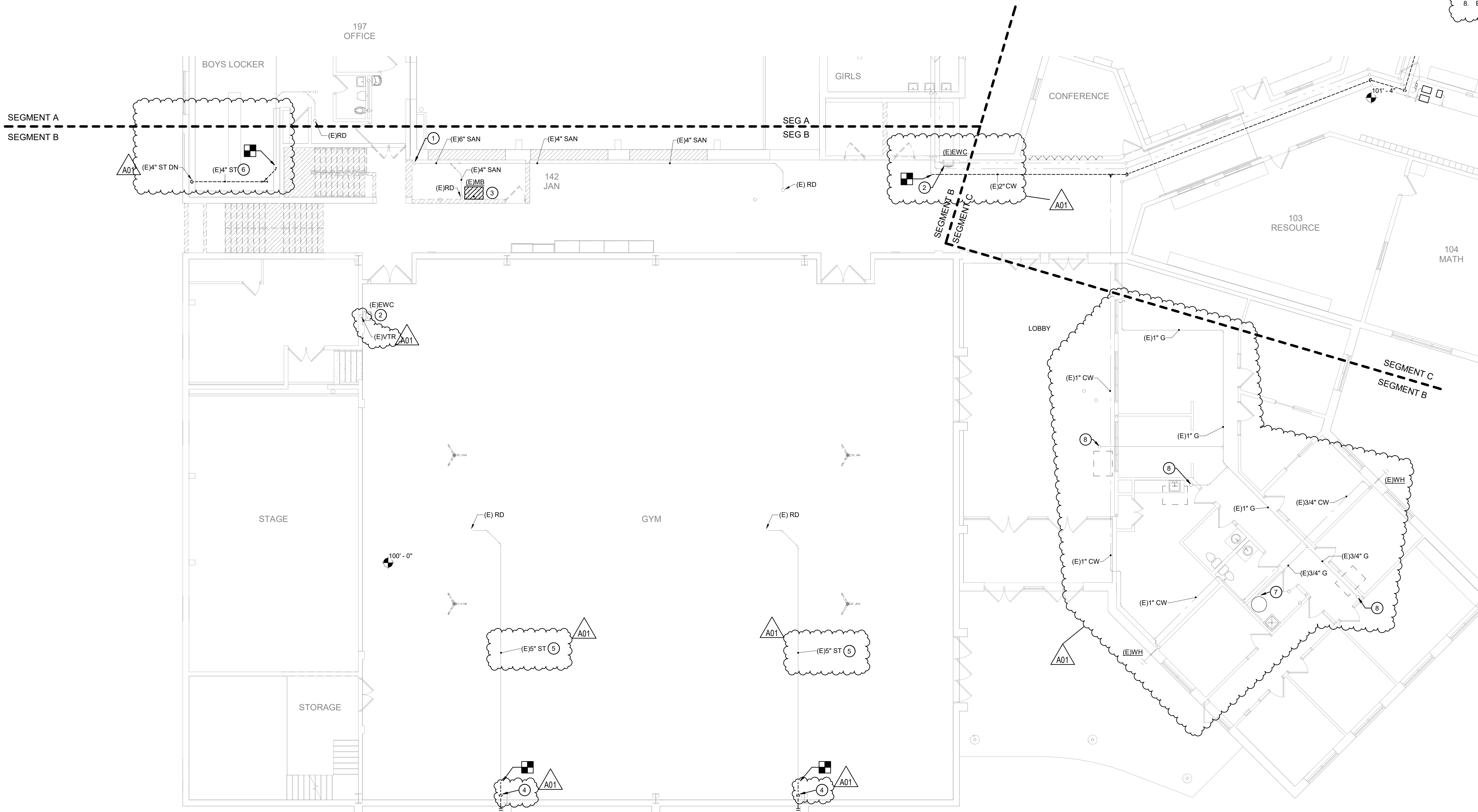


GENERAL NOTES: PLUMBING

1. EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.

PLUMBING DEMOLITION PLAN KEYNOTES

1. EXISTING 6" ST DN TO REMAIN.
2. EXISTING PLUMBING FIXTURE TO REMAIN.
3. ALT. BICE
REMOVE EXISTING PLUMBING FIXTURE AND ASSOCIATED PING BELOW FLOOR AND ASSOCIATED PIPING BELOW FLOOR AND CAP. G.C. TO PATCH FLOOR.
BASE BID:
NO WORK
4. REMOVE ST PIPE DOWN AND ASSOCIATED DISCHARGE THROUGH WALL. G.C. TO PATCH WALL.
5. EXISTING ST PIPING TO REMAIN FOR NEW PIPING CONNECTIONS.
6. REMOVE 4" ST PIPING DOWN TO FLOOR BELOW AND TO POINT NOTED.
7. EXISTING 1/2" G TO EXISTING GAS FIRED WATER TO REMAIN.
8. EXISTING 1/2" G UP TO EXISTING ROOFTOP HVAC UNIT TO REMAIN.

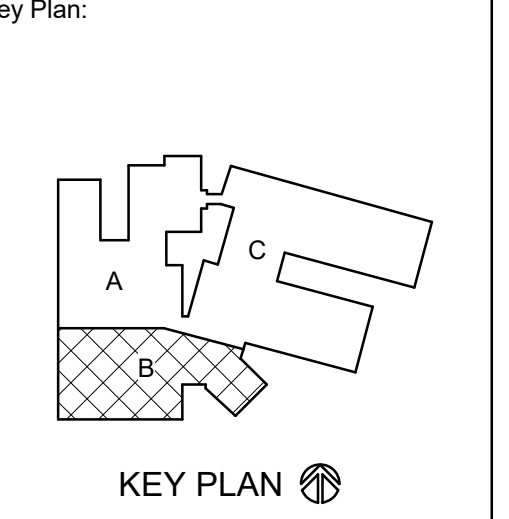


LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
 Project Location: 301 WEST ADAMS STREET
 LA FARGE, WISCONSIN
FIRST FLOOR PLUMBING DEMO PLAN - SEG B

Project Title:
HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE



BID DOCUMENTS

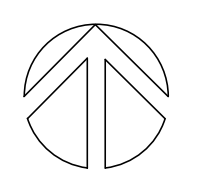
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No.	Description	Date
A01	ADD1	9.20.21

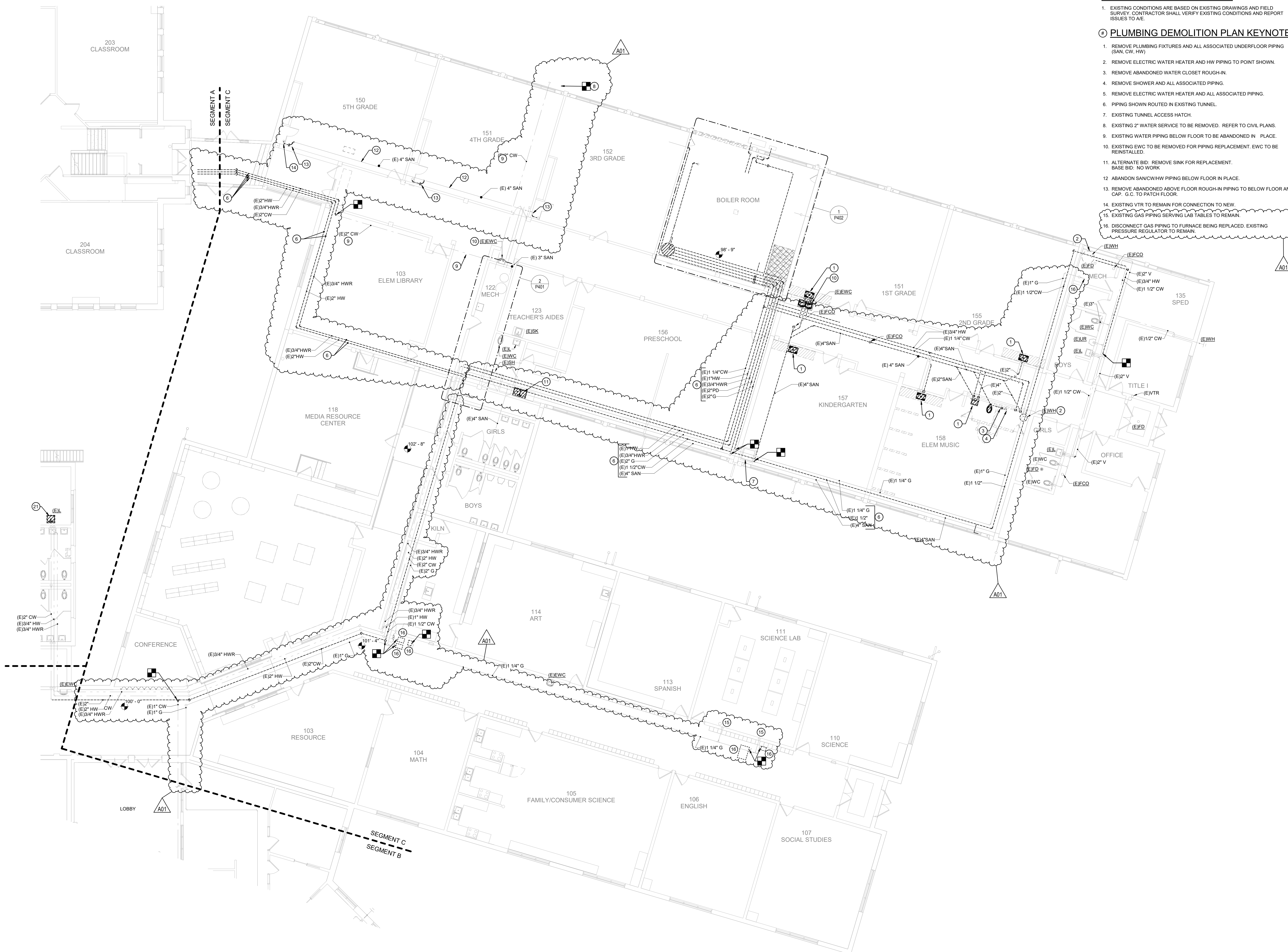
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1 FIRST FLOOR PLUMBING DEMO PLAN - SEG B
1/8" = 1'-0"



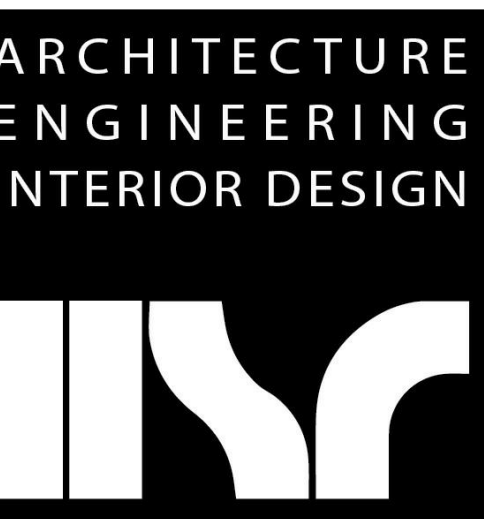
P092



GENERAL NOTES: PLUMBING

1. EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.
2. REMOVE PLUMBING FIXTURES AND ALL ASSOCIATED UNDERFLOOR PIPING (SAN, CW, HW).
3. REMOVE ELECTRIC WATER HEATER AND HW PIPING TO POINT SHOWN.
4. REMOVE ABANDONED WATER CLOSET ROUGH-IN.
5. REMOVE SHOWER AND ALL ASSOCIATED PIPING.
6. REMOVE ELECTRIC WATER HEATER AND ALL ASSOCIATED PIPING.
7. PIPING SHOWN ROUTED IN EXISTING TUNNEL.
8. EXISTING TUNNEL ACCESS HATCH.
9. EXISTING 2" WATER SERVICE TO BE REMOVED. REFER TO CIVIL PLANS.
10. EXISTING WATER PIPING BELOW FLOOR TO BE ABANDONED IN PLACE.
11. EXISTING EWC TO BE REMOVED FOR PIPING REPLACEMENT. EWC TO BE REINSTALLED.
12. ALTERNATE BID: REMOVE SINK FOR REPLACEMENT. BASE BID: NO WORK.
13. ABANDON SAN/CW/HW PIPING BELOW FLOOR IN PLACE.
14. REMOVE ABANDONED ABOVE FLOOR ROUGH-IN PIPING TO BELOW FLOOR AND CAP. G.C. TO PATCH FLOOR.
15. EXISTING VTR TO REMAIN FOR CONNECTION TO NEW.
16. EXISTING GAS PIPING SERVING LAB TABLES TO REMAIN.
17. DISCONNECT GAS PIPING TO FURNACE BEING REPLACED. EXISTING PRESSURE REGULATOR TO REMAIN.

PLUMBING DEMOLITION PLAN KEYNOTES



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 Total Integrated
 Enterprises

PROJECT NUMBER : 2021082

Project Title:
**LA FARGE SCHOOL DISTRICT
 ADDITION AND RENOVATION**

Project Location:
 301 WEST ADAMS STREET
 LA FARGE, WISCONSIN

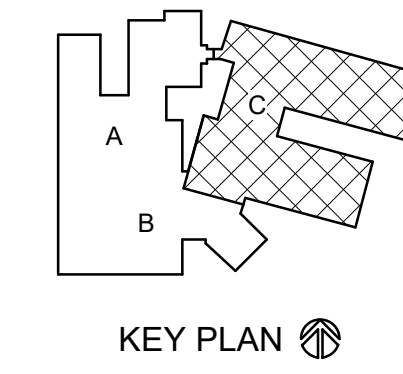
Sheet Title:
FIRST FLOOR PLUMBING DEMO PLAN - SEG C

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



KEY PLAN

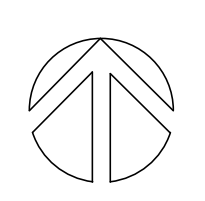
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No.	Description	Date
A01	ADD1	9.20.21

Graphic Scale:
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Last Update:
9/21/2021 9:32:50 AM

1 FIRST FLOOR PLUMBING DEMO PLAN - SEG C
 1/8" = 1'-0"



P093



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PROJECT NUMBER : 2021082

Project Title:
**LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**

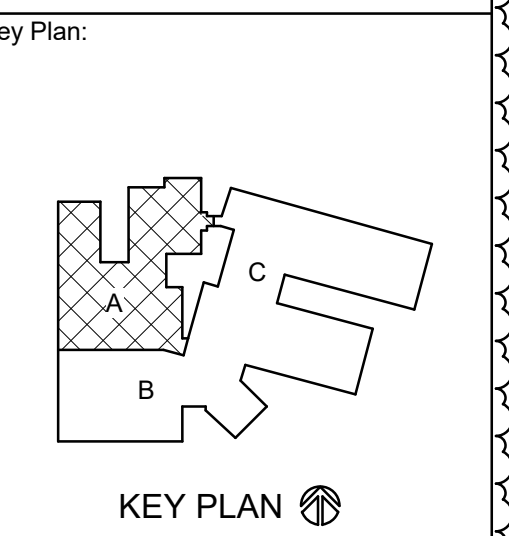
Project Location:
301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title:
ROOF PLUMBING PLAN - SEG A

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE



BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADD1	9.20.21

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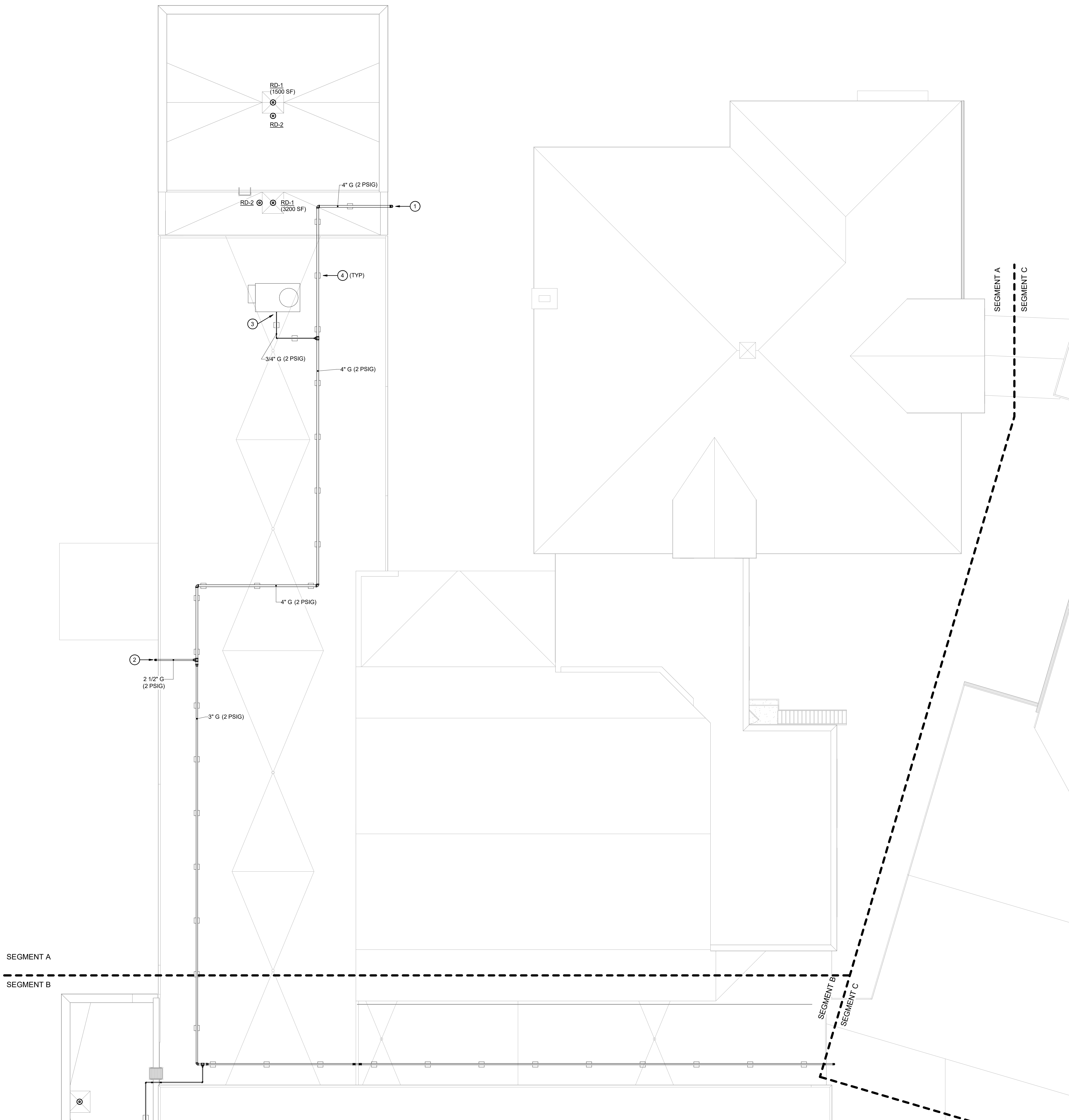
P105

GENERAL NOTES: PLUMBING

- EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.
- GAS PIPING ON THE ROOF SHALL BE PAINTED WITH (2) COATS OF SUITABLE PAINT. COLOR SELECTED BY ARCHITECT.

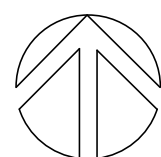
PLUMBING DEMOLITION PLAN KEYNOTES

- 4" G DN TO NEW GAS SERVICE. REFER TO SHEET P102 FOR CONTINUATION.
- 2 1/2" G DN TO SERVE NEW MECHANICAL EQUIPMENT AND EXISTING KITCHEN.
- 3/4" G TO NEW RTU. PROVIDE GAS PRESSURE REGULATOR TO PROVIDE 250 CFH WITH PRESSURE REDUCTION FROM 2 PSIG TO 7" WC. EXTEND 1" G TO SERVE UNIT AFTER GR.
- PREMANUFACTURED PIPE SUPPORT. MICO MODEL 3-R-4 OR EQUAL FOR PIPING 2 1/2" AND SMALLER AND MIRO MODEL RAH FOR 3" AND 4" PIPING REFER TO SPECIFICATION FOR SPACING OF SUPPORTS - SAME AS HANGER SPACING.



1 ROOF PLUMBING PLAN - SEG A

1/8" = 1'-0"



A01



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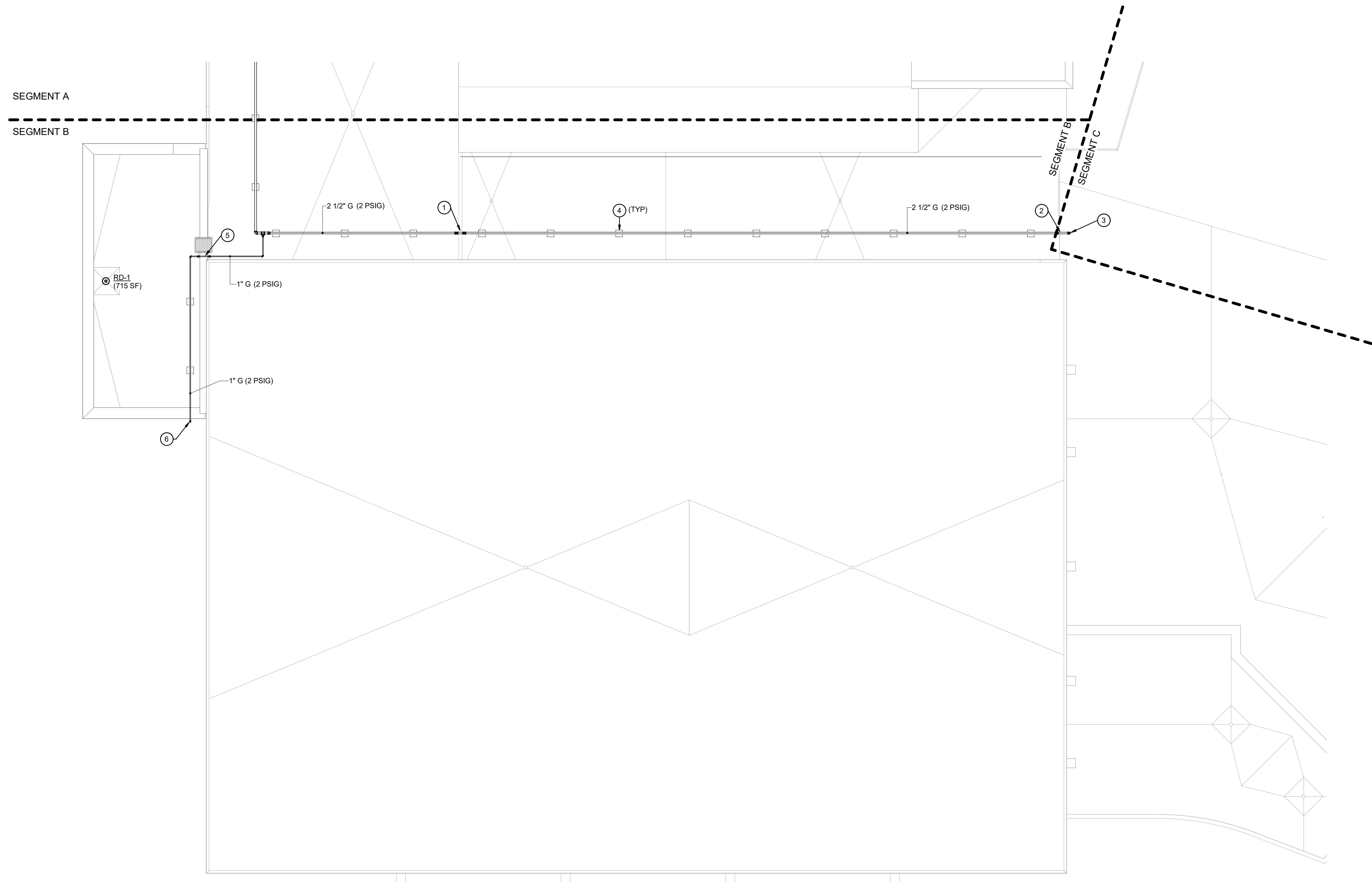
PROJECT NUMBER : 2021082

GENERAL NOTES: PLUMBING

- EXISTING CONDITIONS ARE BASED ON EXISTING DRAWINGS AND FIELD SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ISSUES TO A/E.
- GAS PIPING ON THE ROOF SHALL BE PAINTED WITH (2) COATS OF SUITABLE PAINT. COLOR SELECTED BY ARCHITECT.

PLUMBING PLAN KEYNOTES

- ROUTE PIPING OVER EXISTING ROOF TRANSITION.
- RISE UP TO HIGHER ROOF.
- 2 1/2" G DOWN TO ABOVE CEILING. REFER TO SHEET P103 FOR CONTINUATION. PROVIDE PIPE BOOT/FLASHING. ROOF WORK SHALL MEET EXISTING ROOF SYSTEM WARRANTY REQUIREMENT.
- PREMANUFACTURED PIPE SUPPORT. MIRO MODEL 3-R-4 OR EQUAL FOR PIPING 2 1/2" AND SMALLER AND MIRO MODEL RAH FOR 3" OR 4" PIPING. REFER TO SPECIFICATION FOR SPACING OF SUPPORTS - SAME A HANGER SPACING.
- RISE UP AND OVER ROOF TRANSITION BETWEEN ACCESS LADDER AND EXISTING BUILDING.
- 1" G DN TO SERVE NEW MAKE-UP AIR UNIT IN SHOP CLASSROOM. REFER TO SHEET P101 FOR CONTINUATION.



Project Title:
**LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**

Project Location:
301 WEST ADAMS STREET
LA FARGE, WISCONSIN

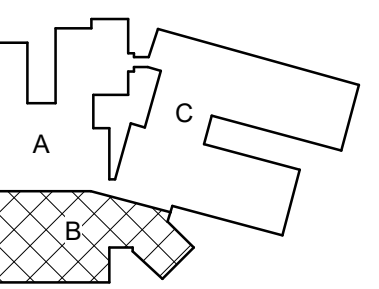
Sheet Title:
ROOF PLUMBING PLAN - SEG B

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



KEY PLAN

BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.21

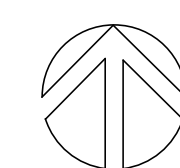
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Last Update:
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P106

1 ROOF PLUMBING PLAN - SEG B

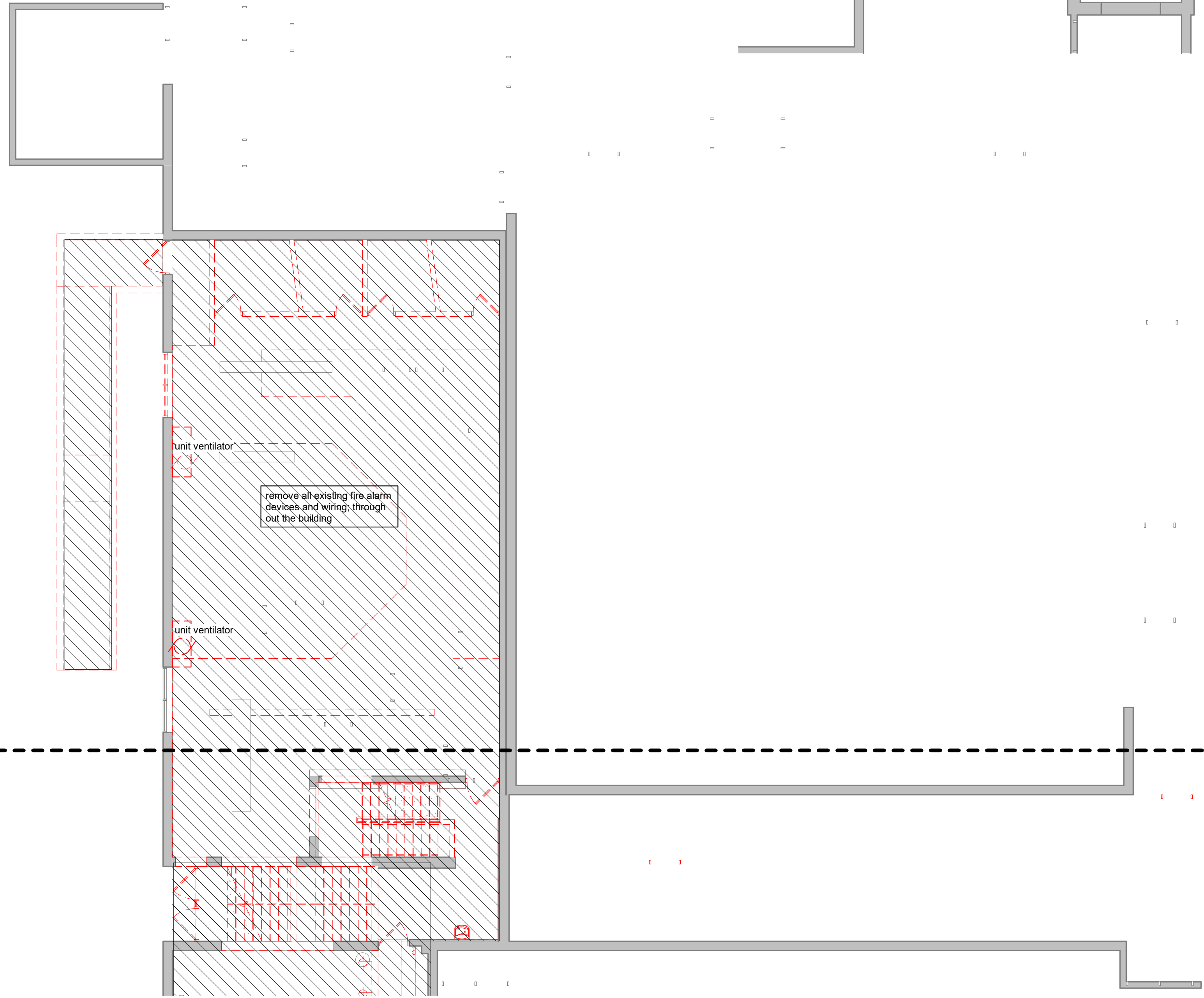
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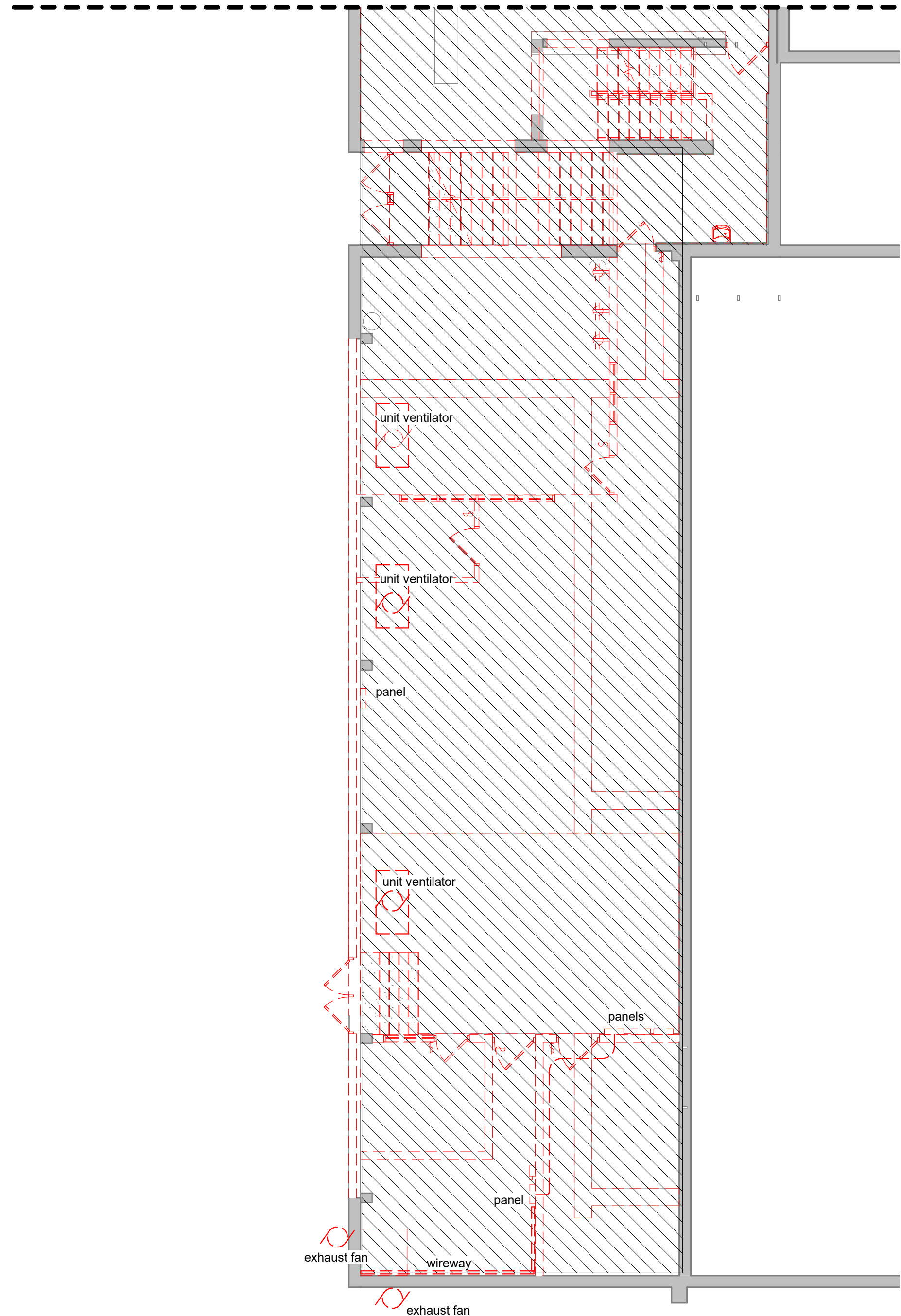
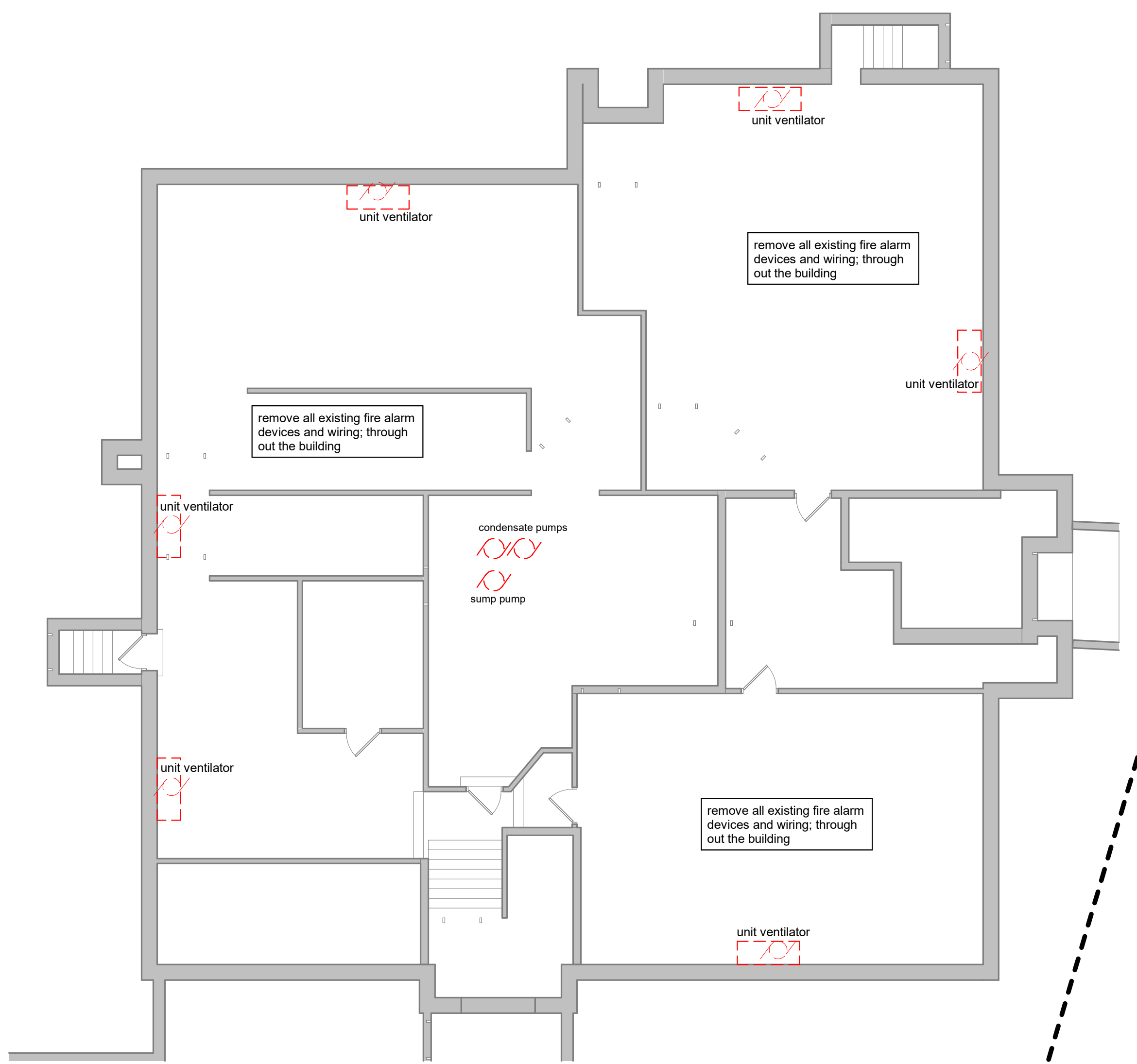
GENERAL NOTES : REMOVAL	
A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILINGS AND INCLUDE ALL DEVICES FOR REMOVAL.
C	MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES TO REMAIN. PROVIDE NEW HOMERUNS OF CONDUIT/WIRING WHERE REQUIRED.
D	PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
E	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
F	REMOVE EXISTING FIRE ALARM SYSTEM, REMOVE ALL DEVICES AND WIRING THROUGHOUT THE BUILDING. SYSTEM TO BE REPLACED WITH ALL NEW EQUIPMENT AND DEVICES.
G	DASHED LINES SPECIFIC ITEMS FOR REMOVAL.
H	REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL EQUIPMENT, DEVICES NOT SHOWN.
I	

ELECTRICAL SYMBOLS					
○	LIGHTING FIXTURE - WALL BRACKET *	⊞	DISCONNECT SWITCH	AS	ALARM SOUNDER
○	LIGHTING FIXTURE DOWNLIGHT - SURFACE TYPE *	⊞	MOTOR STARTER	EPS	EMERGENCY PUSH BUTTON
○	LIGHTING FIXTURE DOWNLIGHT - RECESSED *	⊞	MOTOR CONNECTION	CR	CARD READER
○	LIGHTING FIXTURE(S) - EMERGENCY BATTERY	⊞	EQUIPMENT CONNECTION	RX	REQUEST TO EXIT
□	LIGHTING FIXTURE (2x2) - SURFACE TYPE *	⊞	PANELBOARD, TERMINAL CABINET	AR	ADMIN RELEASE BUTTON
□	LIGHTING FIXTURE (2x2) - RECESSED *	⊞	TELEPHONE **	EL	ELECTRIC LOCK
□	LIGHTING FIXTURE (2x2) - EMERGENCY BATTERY	⊞	COMBINATION VOICE/DATA OUTLET **	DC	DOOR CONTACT
□	LIGHTING FIXTURE (2x4) - SURFACE TYPE *	⊞	COMPUTER DATA OUTLET **	LD	LOCK DOWN BUTTON
□	LIGHTING FIXTURE (2x4) - RECESSED *	⊞	FIRE ALARM MANUAL STATION	J	JUNCTION BOX OR PULL BOX
□	LIGHTING FIXTURE (2x4) - EMERGENCY BATTERY	⊞	FIRE ALARM SPEAKER/STROBE	TV	TELEVISION OUTLET
□	LIGHTING FIXTURE - OPEN STRIP *	⊞	FIRE ALARM STROBE UNIT ONLY		
⊞	EXIT SIGN	⊞	SMOKE DETECTOR		
RC	ROOM CONTROLLER - LIGHTING	⊞	HEAT DETECTOR		
R200	DIMMABLE LIGHTING CONTROL RELAY	⊞	FIRE DOOR		
CS	OCCUPANCY SENSOR *	⊞	CLOCK		
VS	VACANCY SENSOR *	⊞	SPEAKER *		
DL	DAYLIGHT CONTROL	⊞	VOLUME CONTROL		
SW	SWITCH - SINGLE POLE	⊞	CALL-IN SWITCH		
AD-1	3 - 3-WAY SWITCH	⊞	GROUND CONNECTION		
AD-2	4 - 4-WAY SWITCH	⊞	LEG TO PANEL		
AD-3	WALL SWITCH OCCUPANCY SENSOR*	⊞	NOTE NUMBER (REMOVAL)		
AD-4	WALL SWITCH VACANCY SENSOR*	⊞	NOTE NUMBER (REMODEL)		
D	DIMMER*	⊞	EXISTING DEVICE.		
SR	STANDARD SINGLE RECEPTACLE *				
SDR	STANDARD DUPLEX RECEPTACLE *				
GFI	GFI GROUND FAULT INTERRUPTING				
WP	WEATHERPROOF COVER				
WR	WEATHER RESISTANT				
USB	USB CHARGING				
DDR	DOUBLE DUPLEX RECEPTACLE *				

* TYPE AS INDICATED WITH LETTER/NUMBER, REFER TO SPECIFICATIONS OR SCHEDULES.
 ** QUANTITIES OF CABLE DROPS AS INDICATED WITH NUMBER, REFER TO DRAWINGS. HEIGHTS AND LOCATIONS AS INDICATED ON DRAWINGS.
 *** NUMBER REFERS TO LOW VOLTAGE LIGHTING RELAY.



1 LOWER LEVEL ELEC. DEMO PLAN - SEG A
1/8" = 1'-0"

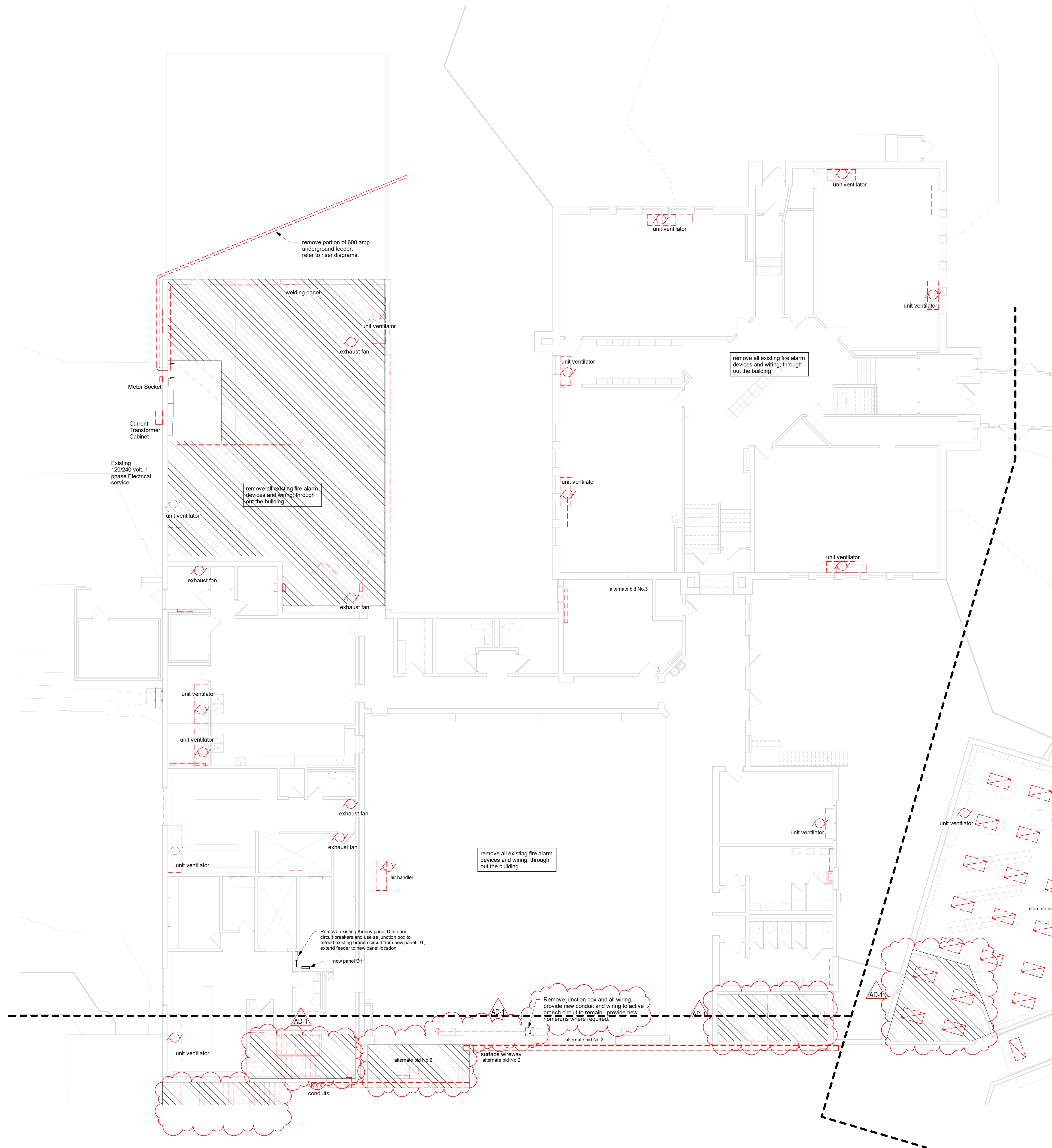


2 LOWER LEVEL ELEC. DEMO PLAN - SEG B
1/8" = 1'-0"



Consultant:

GENERAL NOTES : REMOVAL	
A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILING AND INCLUDE ALL DEVICES FOR REMOVAL.
C	MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES TO REMAIN. PROVIDE NEW HOMERUNS OF CONDUIT/WIRING WHERE REQUIRED.
D	PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
E	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
F	REMOVE EXISTING FIRE ALARM SYSTEM. REMOVE ALL DEVICES AND WIRING THROUGHOUT THE BUILDING. SYSTEM TO BE REPLACED WITH ALL NEW EQUIPMENT AND DEVICES.
G	DASHED LINES SPECIFIC ITEMS FOR REMOVAL.
H	REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL EQUIPMENT, DEVICES NOT SHOWN.
I	



EXISTING 1200 AMP, 120/240 VOLT, 1 PHASE ELECTRIC SERVICE



2 EXISTING ELECTRIC SERVICE - PHOTO
NTS



3 ELECTRIC SERVICE -EXTERIOR PHOTO
NTS

1 FIRST FLOOR ELEC. DEMO PLAN - SEG A
1/8" = 1'-0"

Project Title: **LA FARGE SCHOOL DISTRICT**
Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
Project Number: **19041-1**
Project Date: **SEPTEMBER 2021**
Drawn By: **SMG**
Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
Last Update: **9/20/2021 2:20:24 PM**

E091


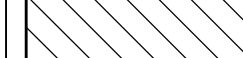


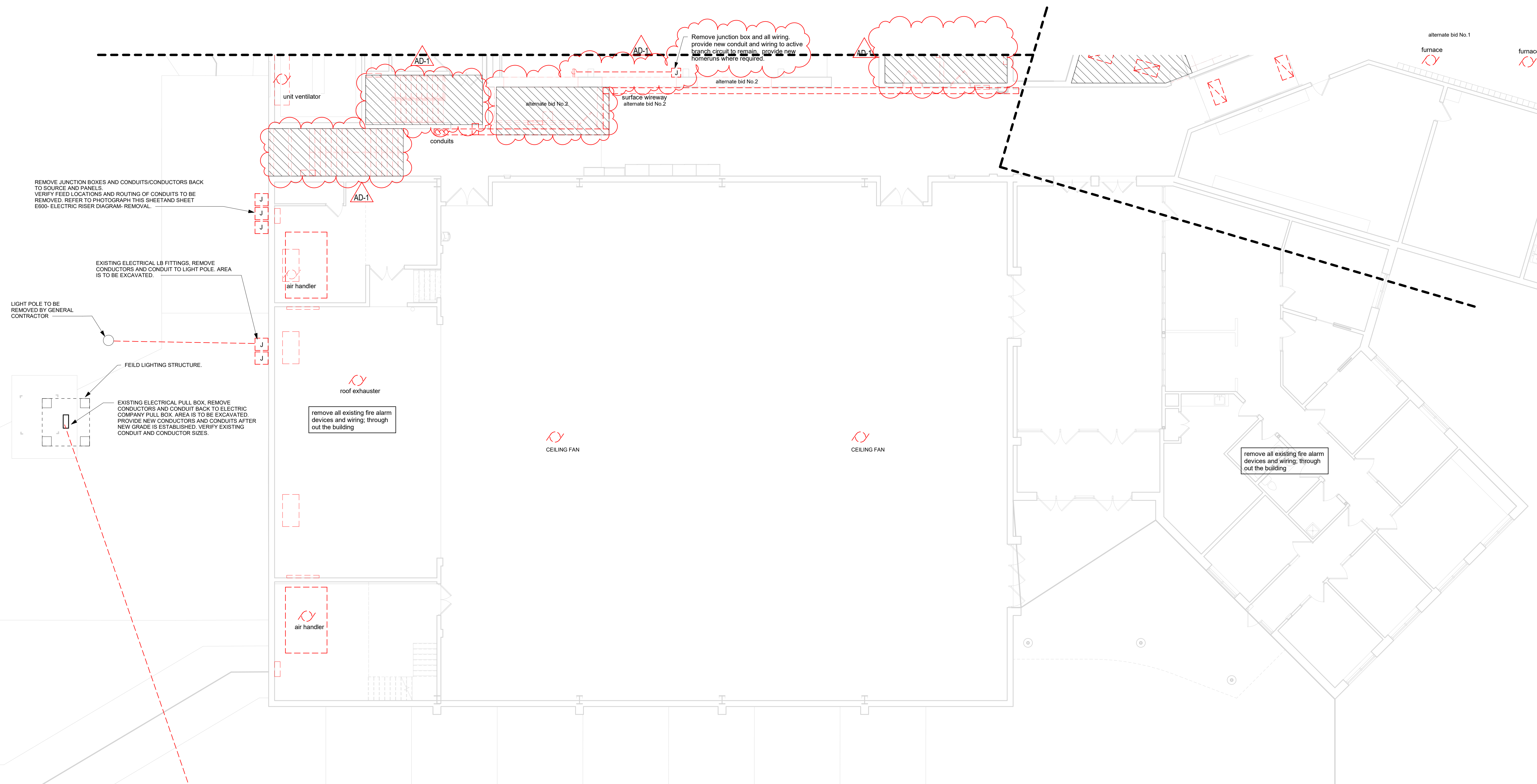
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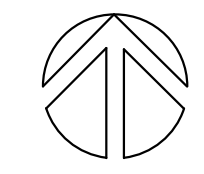
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NTS

GENERAL NOTES : REMOVAL

A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILING AND INCLUDE ALL DEVICES FOR REMOVAL.
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E	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
F	REMOVE EXISTING FIRE ALARM SYSTEM, REMOVE ALL DEVICES AND WIRING THROUGHOUT THE BUILDING. SYSTEM TO BE REPLACED WITH ALL NEW EQUIPMENT AND DEVICES.
G	<p> DASHED LINES SPECIFIC ITEMS FOR REMOVAL.</p> <p> REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL EQUIPMENT, DEVICES NOT SHOWN.</p>
H	
I	



1 FIRST FLOOR ELEC. DEMO PLAN - SEG B
1/8" = 1'-0"



Project Title: **LA FARGE SCHOOL DISTRICT**
 Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
 Sheet Title: **FIRST FLOOR ELEC. DEMO PLAN - SEG.B**

HSR Project Number: **19041-1**
 Project Date: **SEPTEMBER 2021**
 Drawn By: **SMG**

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
 Last Update: **9/20/2021 2:20:25 PM**

E092



Consultant:

Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: LOWER LEVEL - SEGMENT A & B

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: SMG

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

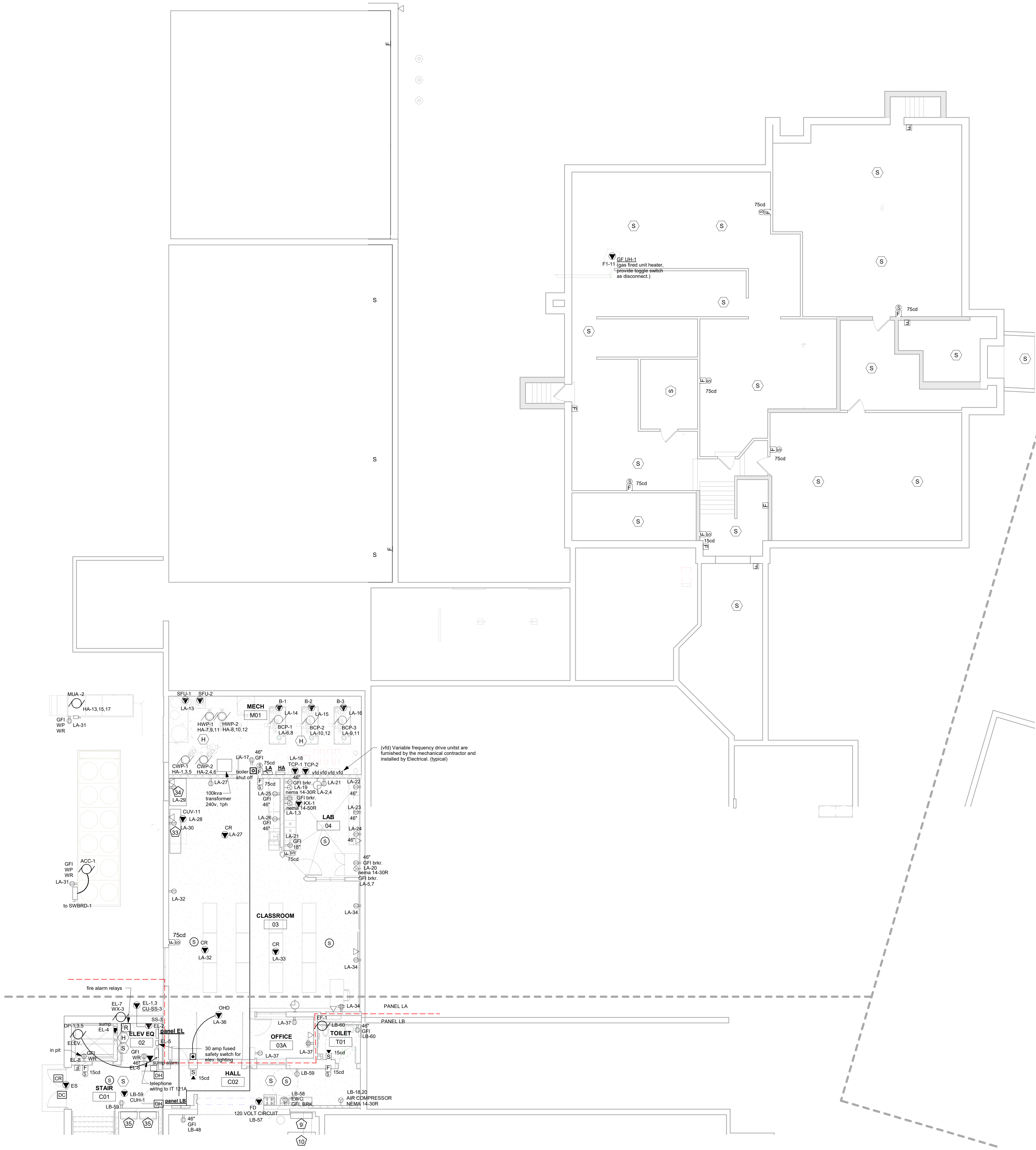
Graphic Scale: VARIES

Last Update: 9/20/2021 2:20:30 PM

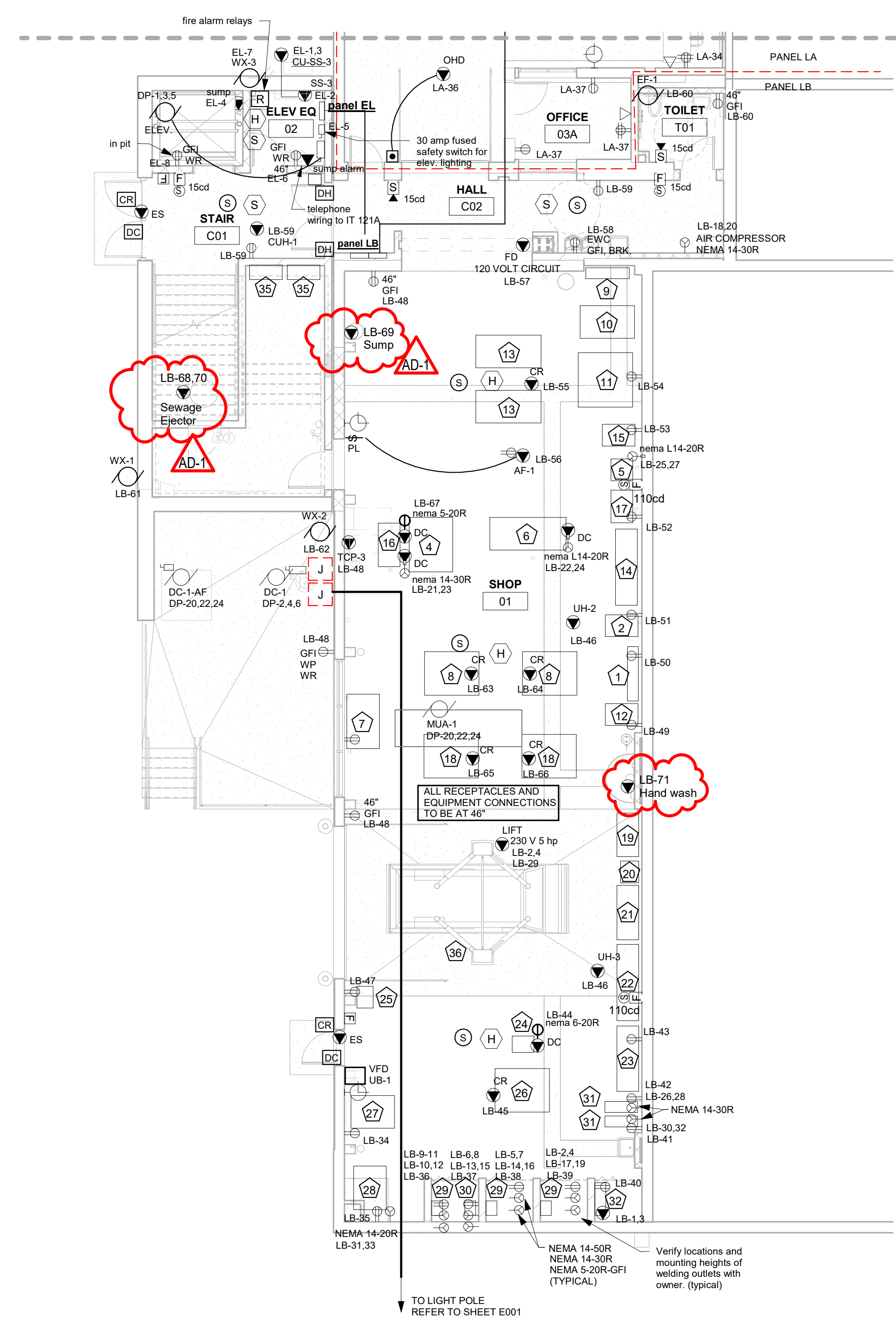
E100

GENERAL NOTES : REMODEL

- A ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
- B MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
- C PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
- D PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- E PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.
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1 LOWER LEVEL POWER PLAN - SEG A
1/8" = 1'-0"



2 LOWER LEVEL POWER PLAN - SEG B
1/8" = 1'-0"



Consultant:

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AD-1



1 FIRST FLOOR POWER PLAN -SEG A
1/8" = 1'-0"

Project Title: LA FARGE SCHOOL DISTRICT

Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: SMG

Key Plan:

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: FIRST FLOOR POWER PLAN - SEG A

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: VARIES

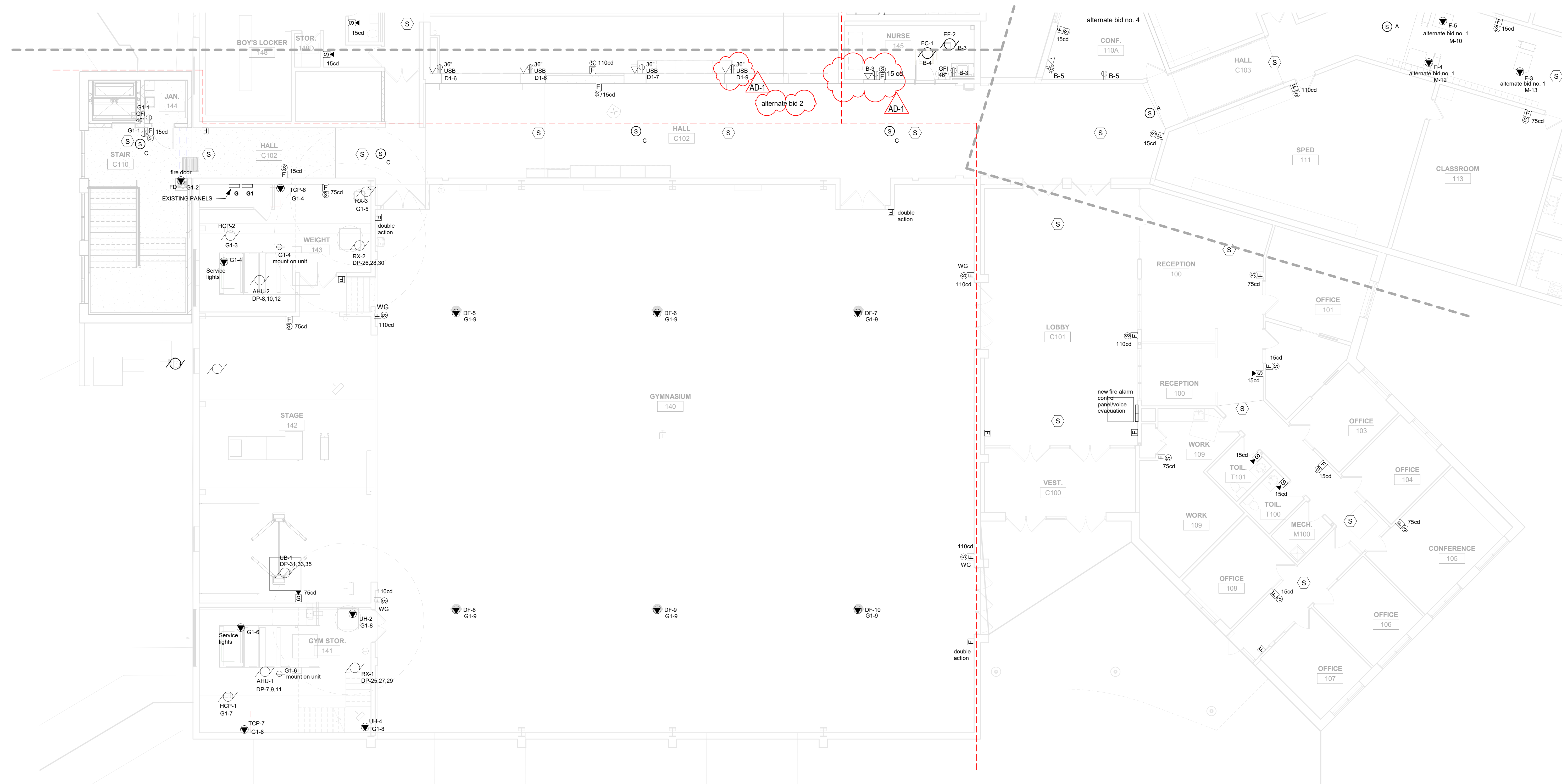
Last Update: 9/20/2021 2:20:32 PM

E101



Consultant:

GENERAL NOTES : REMODEL	
A	ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
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1 FIRST FLOOR POWER PLAN -SEG B
1/8" = 1'-0"

Project Title: **LA FARGE SCHOOL DISTRICT**
Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
Sheet Title: **FIRST FLOOR POWER PLAN - SEG B**

HSR Project Number: **19041-1**
Project Date: **SEPTEMBER 2021**
Drawn By: **SMG**

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
Last Update: **9/20/2021 2:20:34 PM**

E102



Consultant:

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AD-1



Project Title: **LA FARGE SCHOOL DISTRICT**

Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**

Sheet Title: **FIRST FLOOR POWER PLAN - SEG C**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **SMG**

Key Plan:

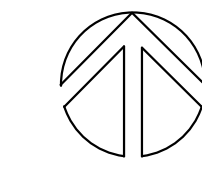
BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**

Last Update: **9/20/2021 2:20:36 PM**

1 FIRST FLOOR POWER PLAN - SEG C
1/8" = 1'-0"



E103

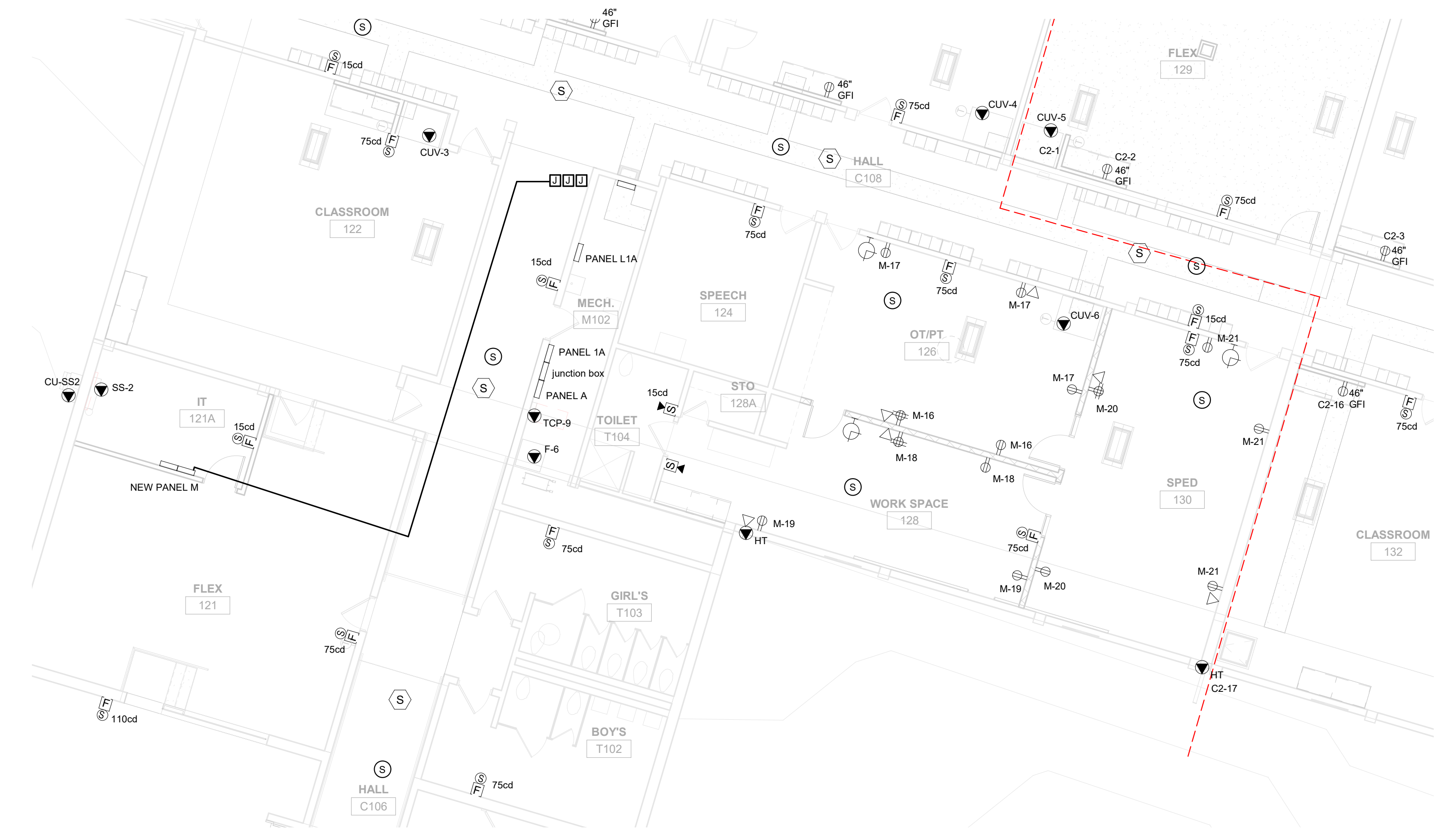


Consultant:

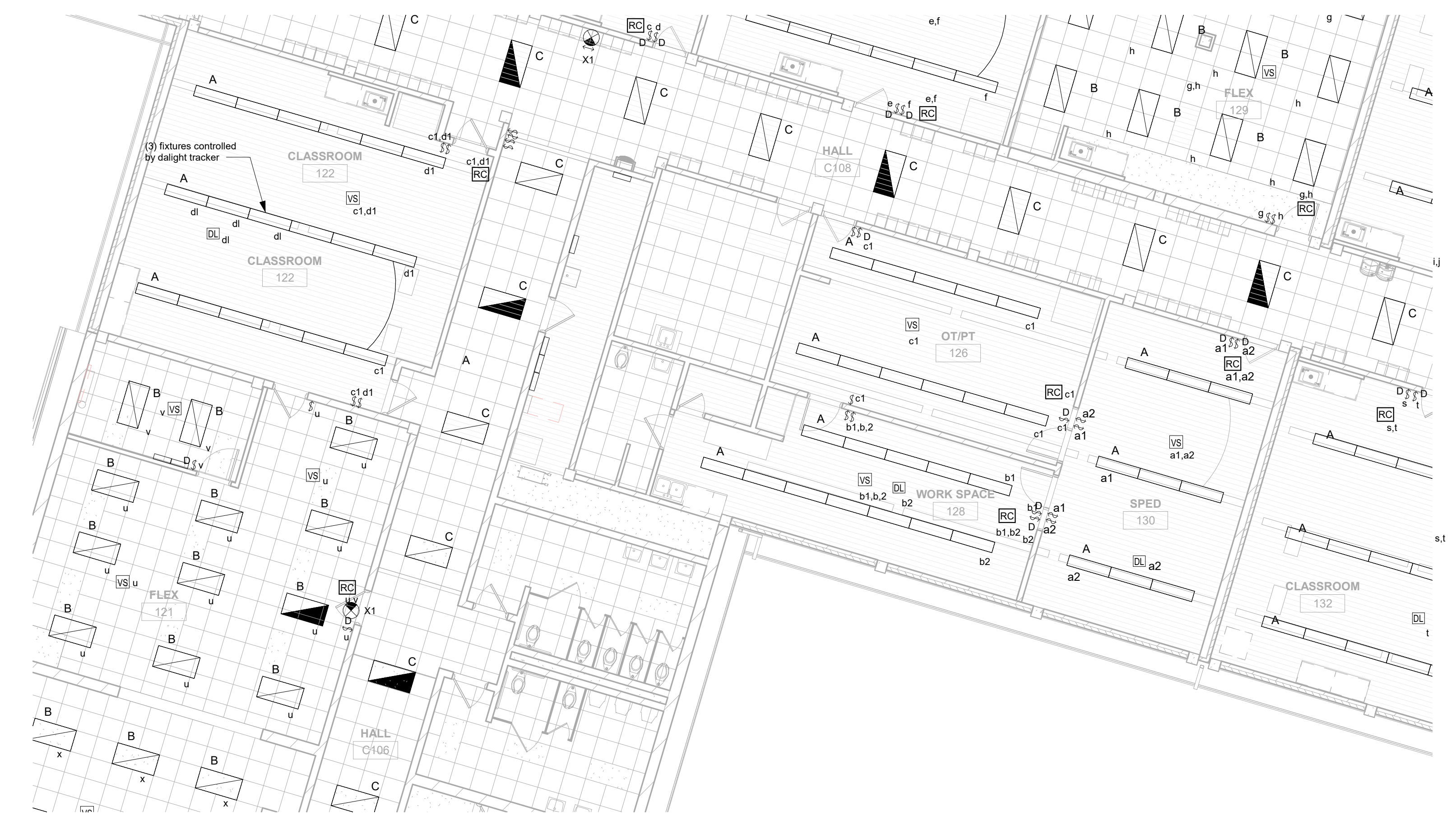
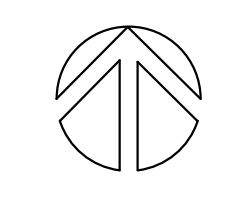
GENERAL NOTES : REMODEL

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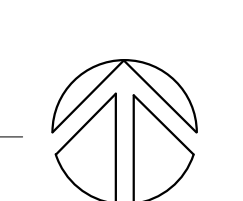
AD-1



1 FIRST FLOOR ALTERNATE - POWER
1/8" = 1'-0"



2 FIRST FLOOR ALTERNATE - LIGHTING
1/8" = 1'-0"



Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: FIRST FLOOR LIGHT AND POWER SEG. C- ALTERNATE

HSR Project Number: 19041-1
Project Date: SEPTEMBER 2021
Drawn By: SMG

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: VARIES

Last Update: 9/20/2021 2:20:38 PM

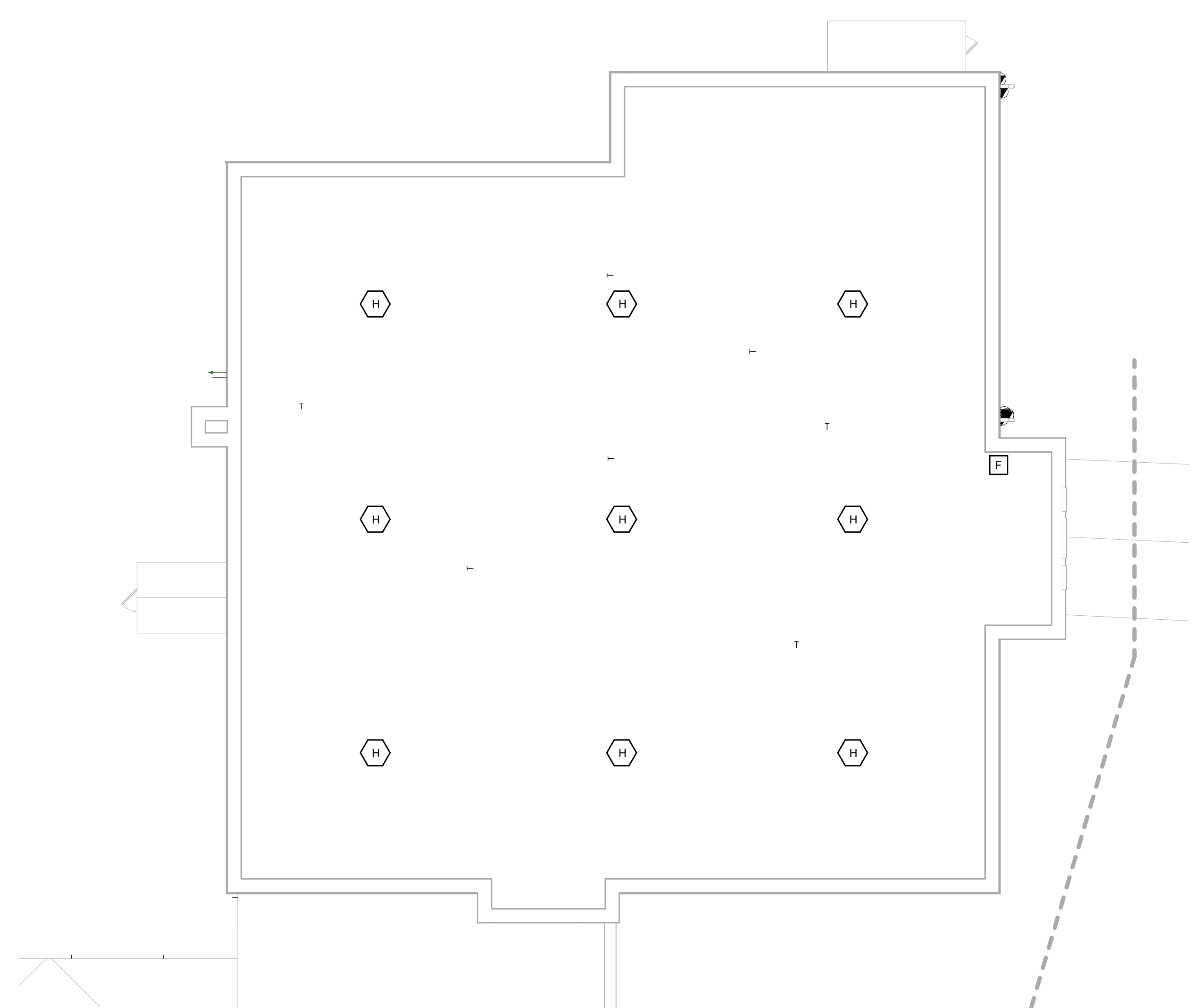
E104



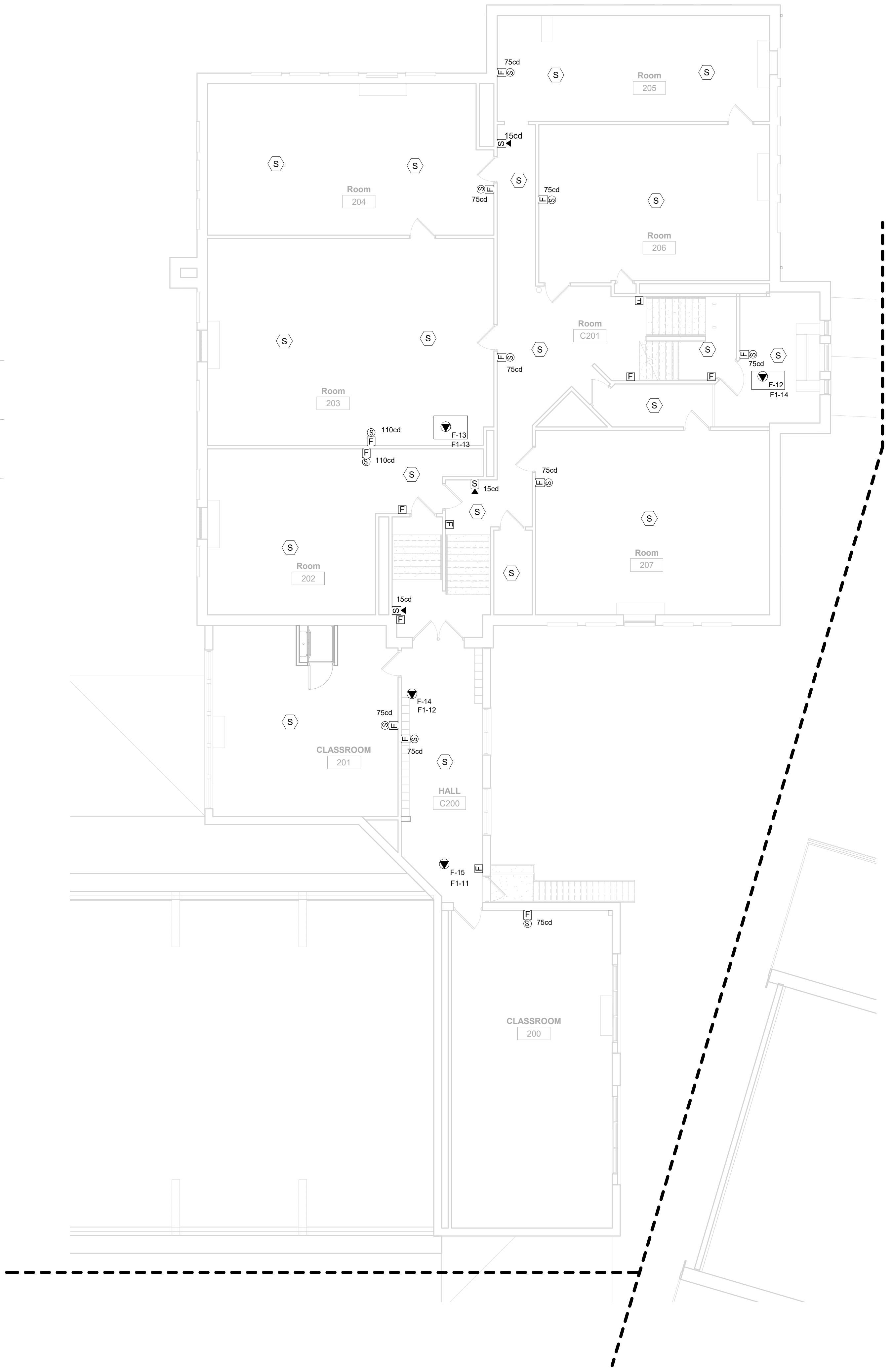
Consultant:

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AD-1



2 1901attic
1/8" = 1'-0"



1 SECOND FLOOR POWER PLAN - SEG A
1/8" = 1'-0"

Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: SECOND FLOOR POWER PLAN - SEG A

HSR Project Number: 19041-1
Project Date: SEPTEMBER 2021
Drawn By: SMG

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: VARIES
Last Update: 9/20/2021 2:20:38 PM

E105

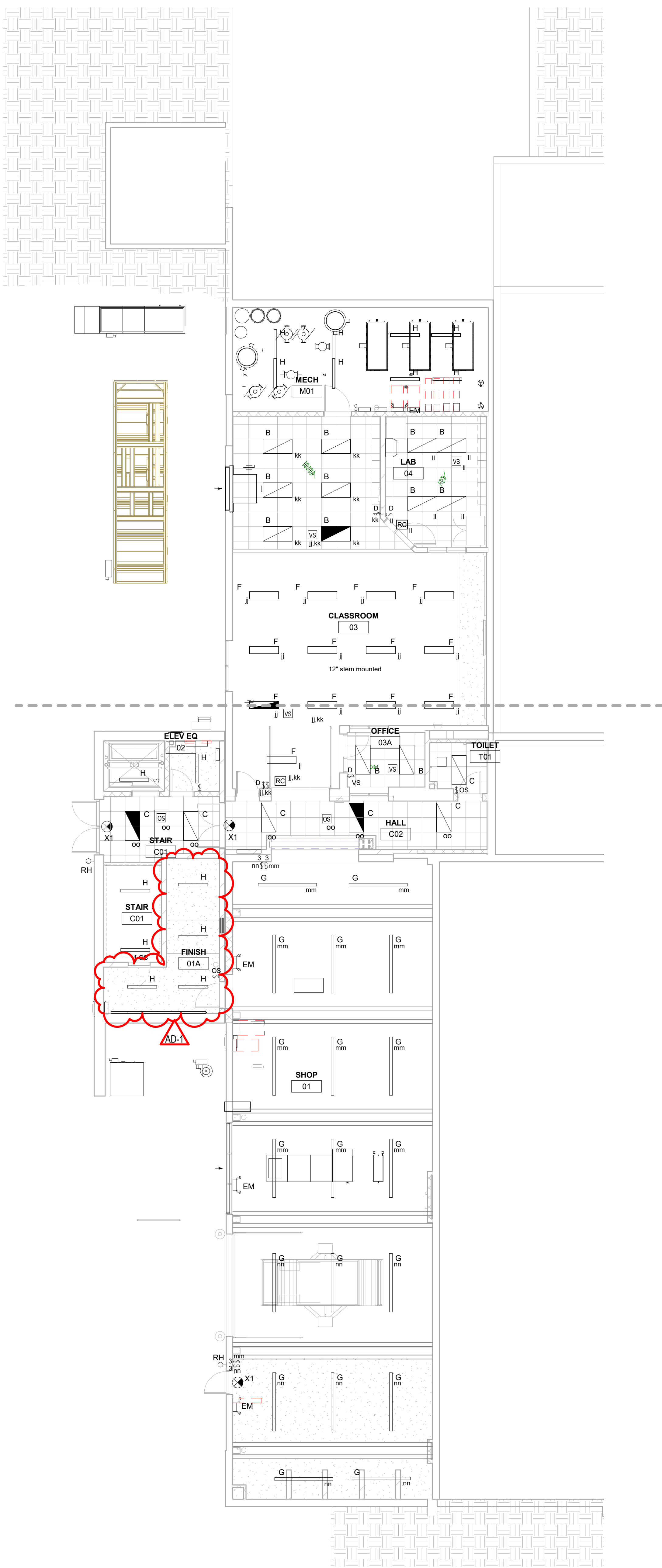


Consultant:

GENERAL NOTES : REMODEL

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AD-1



Project Title: **LA FARGE SCHOOL DISTRICT**
 Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
 Project Number: **19041-1**
 Project Date: **SEPTEMBER 2021**
 Drawn By: **SMG**
 Key Plan:

Project Title: **LOWER LEVEL LIGHTING PLAN - SEG A & B**

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
 Last Update: **9/20/2021 2:20:39 PM**

1 LOWER LEVEL LIGHTING PLAN- SEG A & B
 1/8" = 1'-0"

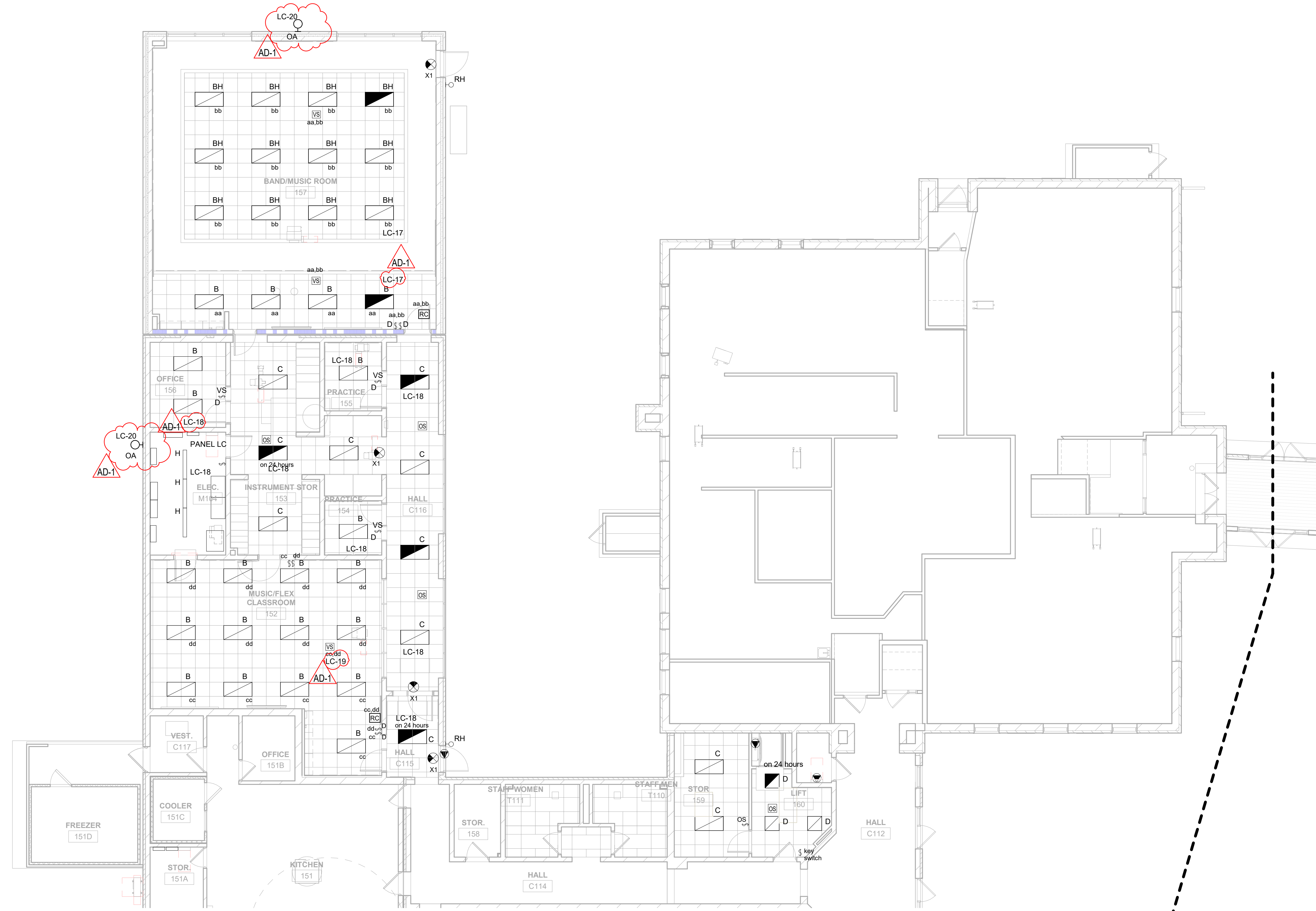
E201



Consultant:

GENERAL NOTES : REMODEL	
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AD-1



1 FIRST FLOOR LIGHTING PLAN - SEG A
1/8" = 1'-0"

Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: FIRST FLOOR LIGHTING PLAN - SEG A

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: SMG

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: VARIES

Last Update: 9/20/2021 2:20:41 PM

E202

LOW VOLTAGE LIGHTING RELAY SHEDULE PANEL LCP, IT 121A			
RELAY NUMBER	ROOM NUMBER(S) SERVED	LAMPS CONTROLLED	REMARKS
R1	CORRIDOR C108, VEST. 109	TYPE "C" FIXTURES	1
R2	CORRIDOR C108	TYPE "C" FIXTURES	1
R3	CORRIDOR C106	TYPE "C" FIXTURES	1
R4	CORRIDOR C102, 103, C106	TYPE "C" FIXTURES	1
R5	SPARE		
R6	SPARE		

REMARKS:
1. RELAYS MAYBE CONTROLLED FROM MULTIPLE SWITCH LOCATIONS, REFER TO DRAWINGS FOR LOCATIONS AND QUANTITIES.

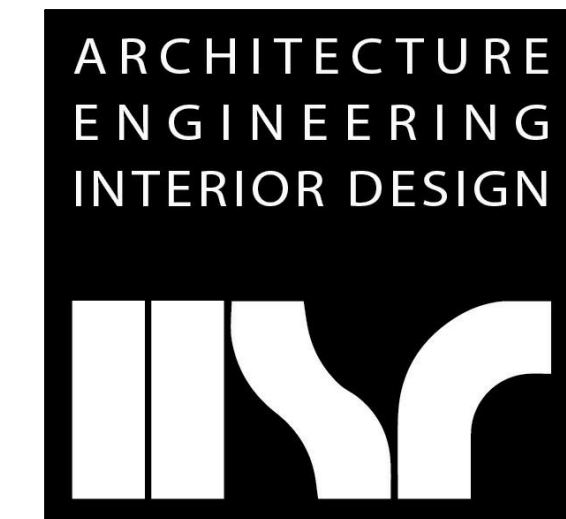
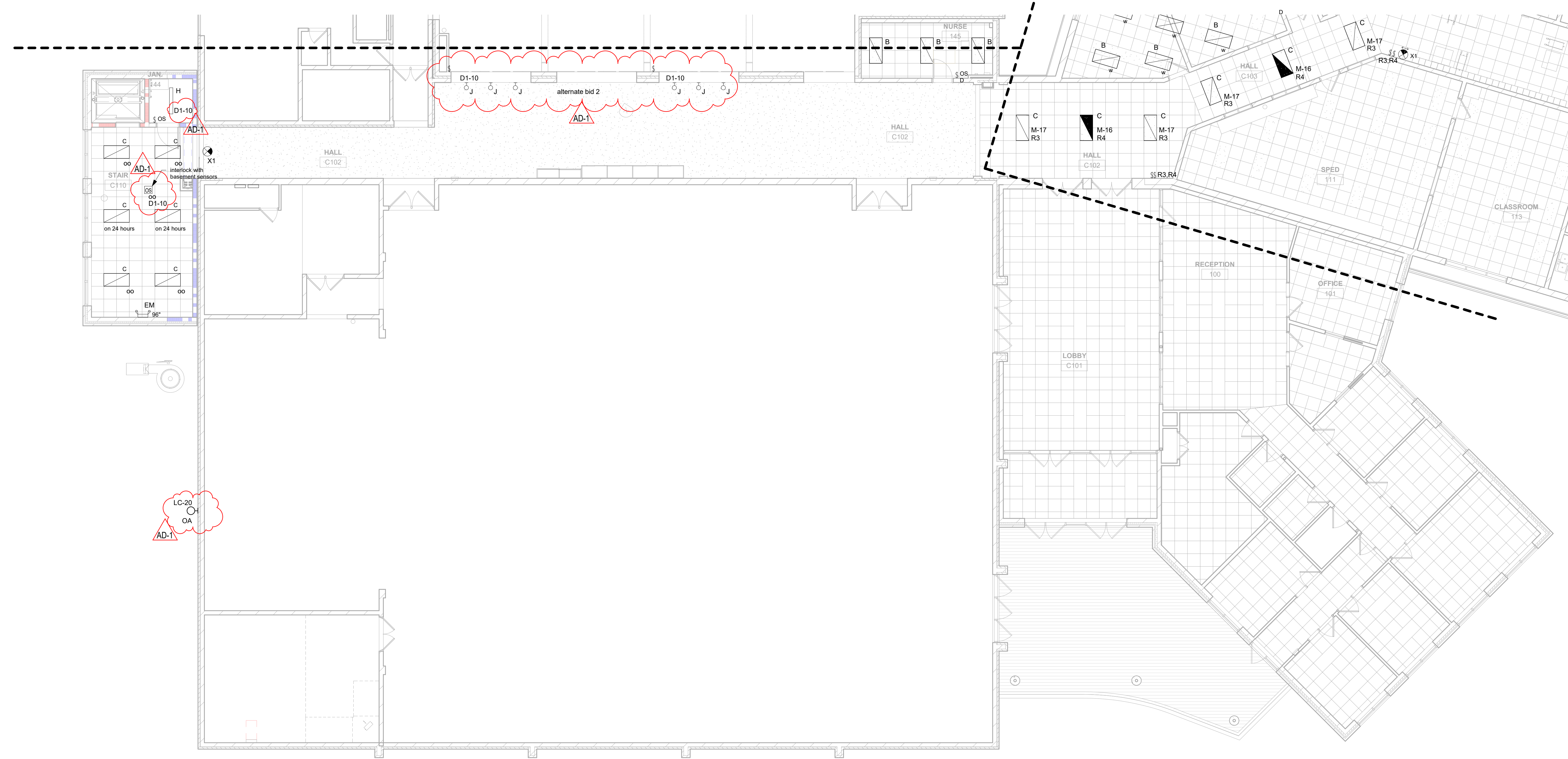
LIGHT FIXTURE SCHEDULE											
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLT	MOUNTING **				WATTS	COLOR TEMP.	REMARKS
					F	S	P	O			
A	LEDALITE	7406LACQDX7W	LINEAR DIRECT/INDIRECT LIGHT	UNIV.			*		39.2/4 ft.	4000K	5
B	DAYBRITE	2FZP30L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3800 LU	UNIV.	*				29	4000K	1
C	DAYBRITE	2FZP30L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3000 LU	UNIV.	*				23	4000K	1
D	DAYBRITE	2FZP30L840-2-DS-UNV-DIM	2'X2' LED FLAT PANEL 3000 LU	UNIV.	*				23	4000K	2
F	DAYBRITE	1SML42L840-4-FA-12F-UNV-DIM	1'X4' SURFACE MODULAR 4200 LU	UNIV.	*				39	4000K	
G	DAYBRITE	SFL8110L840-PP2-UNV-DIM	8" INDUSTRIAL LED	UNIV.	*				69	4000K	7
H	DAYBRITE	FSX440L840-UNV	4' SEALED STRIP LED	UNIV.	*				32	4000K	
OA	GARDCO	111L-16L-350-NW-G3-3-UNV-BZ-PC	LED MINI WALL SCONCE	UNIV.	*				18	4000K	8
UC	NUVO LIGHTING	AD-1 NUVO-68-205	UNDERCOUNTER LIGHT	UNIV.	*				7	3500K/4000	
X1	CHLORIDE	CLXNRW- BATTERY	EXIT LIGHT	UNIV.	*				4	N/A	9
J	MILLENIUM LIGHTING	RDBS12-RGN15-SB	WIDE BOWL SHADE WITH GOOSE NECK	120	*				17	4000K	Black Finish
EM	CHLORIDE	CLR2	EMERGENCY LIGHT	UNIV.	*				2.2	LED	
RH	CHLORIDE	PLEMBZ	EXTERIOR EMERGENCY LIGHT	UNIV.	*				8-3W	LED	

* SEE REMARKS
** (F) FLUSH MOUNT; (S) SURFACE MOUNT; (P) PENDANT HUNG; (O) OTHER-SEE REMARKS IN REGARDS TO FIXTURE MOUNTING.

REMARKS:
1. 2'X 4' LED FLAT PANEL
2. 2'X 2' LED FLAT PANEL
3. LIGHT FIXTURE CONNECTED TO EMERGENCY BATTERY, WHERE INDICATED IN SYMBOLS LIST. (PROVIDE 1200 TO 1400 LUMEN BATTERY. AD-1)
4. PROVIDE SURFACE MOUNTING KIT.
5. LINEAR SUSPENDED LIGHT FIXTURE, 80% DOWNLIGHT, PROVIDE CABLES TO HANG FIXTURE, WHITE FIXTURE FINISH.
6. XXXX
7. LED INDUSTRIAL FIXTURE, SUPPORT WITH CABLES.
8. WALL MOUNT LED FIXTURE, FULL CUT OFF LIGHTING, DIE CAST ALUMINUM HOUSING WITH BRONZE FINISH, PROVIDE WITH PHOTOCELL. AD-1
9. LED EXIT LIGHT, RED LETTERS WITH WHITE HOUSING.

EQUAL FIXTURES:
a. FIXTURES EQUAL IN ALL RESPECTS TO THE SPECIFIED FIXTURES MANUFACTURED BY, PHILIPS, COOPER LIGHTING, LITHONIA, COLUMBIA, HUBBELL, & DAYBRITE SHALL BE CONSIDERED AS EQUAL.

GENERAL NOTES : REMODEL	
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HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

Project Title: **LA FARGE SCHOOL DISTRICT**

Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**

Sheet Title: **FIRST FLOOR LIGHTING PLAN - SEG B**

HSR Project Number: **19041-1**
Project Date: **SEPTEMBER 2021**
Drawn By: **SMG**

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
Last Update: **9/20/2021 2:20:44 PM**



Consultant:

GENERAL NOTES : REMODEL

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- D PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- E PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.
- F PROVIDE NEW FIRE ALARM SYSTEM AND WIRING.
- G EXTEND EXISTING LIGHTING BRANCH CIRCUITS TO NEW LIGHT FIXTURES, UNLESS INDICATED BY A NEW BRANCH CIRCUIT. PROVIDE NEW CONDUIT, WIRING AND HOMERUNS WHERE REQUIRED.
- H REFER TO SHEETS A111, AND A113 (KEY NOTES RCP #6) FOR ADDITIONAL ELECTRICAL WORK. REMOVE ALL ELECTRICAL ITEMS AND CONDUITS IN THE AREAS INDICATED. REMOVE AND REINSTALL ITEMS AS REQUIRED FOR INSTALLATION OF MECH. WORK. RELOCATE CONDUITS AND JUNCTION BOXES. PROVIDE NEW SEGMENTS OF CONDUIT AND WIRING WHERE REQUIRED. FIELD SURVEY EXISTING CONDITIONS AND INCLUDE ALL REQUIRED WORK IN THE ELECTRICAL BID.



LA FARGE SCHOOL DISTRICT
FIRST FLOOR LIGHTING PLAN - SEG C
 Project Location: 301 WEST ADAMS STREET
 LA FARGE, WISCONSIN
 Project Title:

HSR Project Number: **19041-1**
 Project Date: **SEPTEMBER 2021**
 Drawn By: **SMG**
 Key Plan:

Revisions:

No.	Description	Date
AD-1	AD-1	9/20/21

Graphic Scale: **VARIES**
 Last Update: **9/20/2021 2:20:50 PM**

BID DOCUMENTS

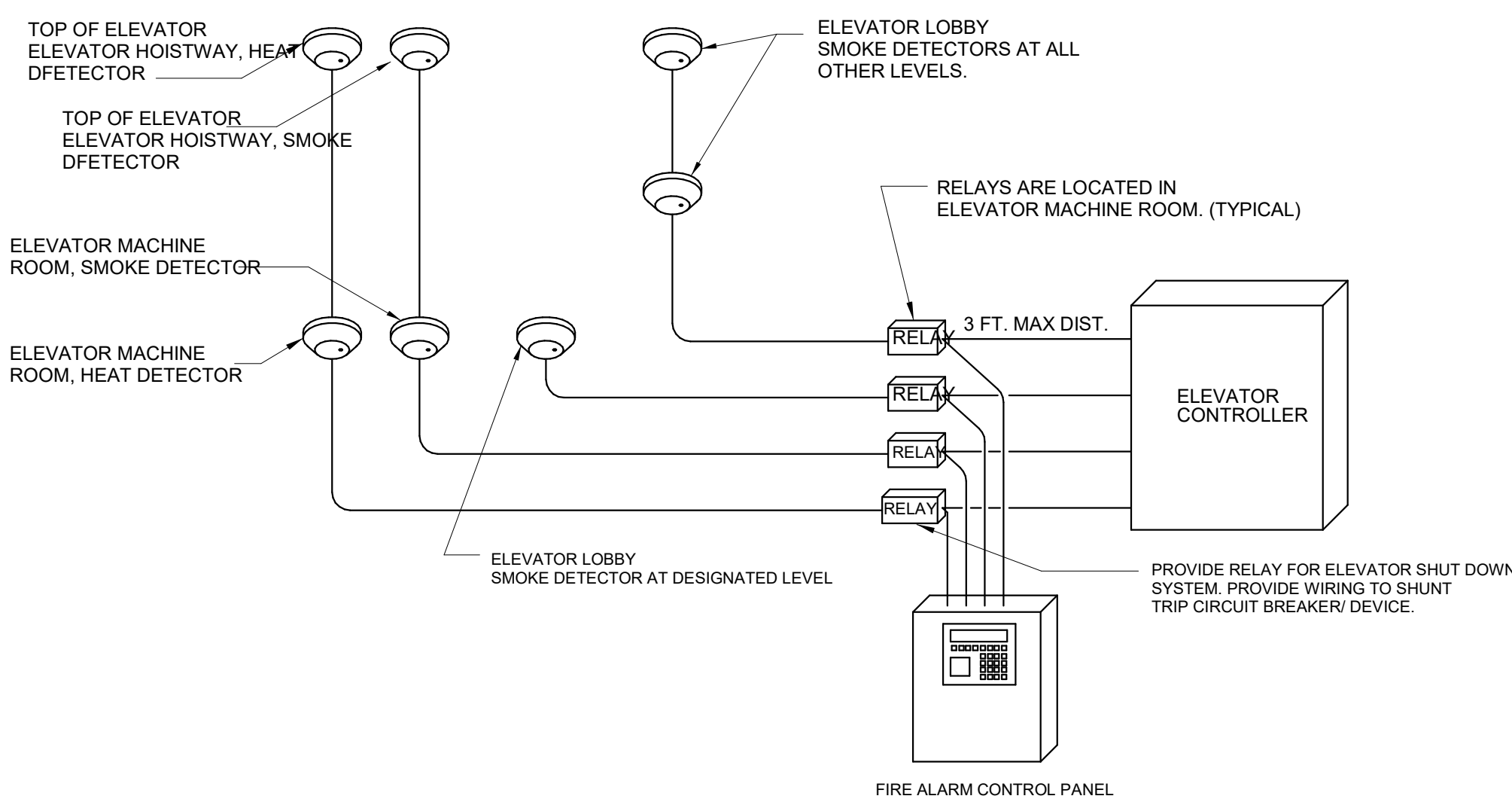
E204

1 **FIRST FLOOR LIGHTING PLAN - SEG C**
 1/8" = 1'-0"

SHOP 04 EQUIPMENT SCHEDULE											
MARK NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	RATING			WIRING SIZE		CONNECTION		REMARKS	
			KW	HP	VOLT	PH	CONDUCTORS	GRD.	DIRECT OR RECEPTACLE		
1	LATHE	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
2	BAND SAW	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
3	PORTABLE AIR COMPRESSOR	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
4	PLANNER	EXISTING	SHOP 01			240	1	2 #10	#10	NEMA 14-30R	1
5	DISC SANDER	EXISTING	SHOP 01			240	1	2 #12	#12	NEMA L14-20R	1
6	TABLE SAW	EXISTING	SHOP 01			240	1	2 #12	#12	NEMA L14-20R	1
7	CHOP SAW TABLE	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
8	WORK TABLE	EXISTING	SHOP 01								
9	CLAMP RACK	EXISTING	SHOP 01								
10	GLUE TABLE	EXISTING	SHOP 01								
11	CNC TABLE	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
12	DRILL PRESS	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
13	SANDING TABLE	EXISTING	SHOP 01								
14	SMALL TOOL TABLE	EXISTING	SHOP 01								
15	SCROLL SAW	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
16	JOINTER	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
17	ROUTER TABLE	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
18	WORK TABLE (METALS)	EXISTING	SHOP 01								
19	TALL STORAGE CABINET	EXISTING	SHOP 01								
20	TOOL BOX	EXISTING	SHOP 01								
21	WORK BENCH	EXISTING	SHOP 01								
22	HOMAK STORAGE	EXISTING	SHOP 01								
23	METAL CHOP SAW	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
24	GRINDER (LARGE)	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
25	GRINDER (SMALL)	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
26	WELDING TABLE	EXISTING	SHOP 01								
27	TIRE BALANCER	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
28	TIRE MOUNTING	EXISTING	SHOP 01			240	1	2 #10	#10	NEMA 14-30R	1
29	MILLER THUNDERBOLT XL	EXISTING	SHOP 01			240	1	2 #10	#10	NEMA 14-30R & NEMA 14-50R	1
30	PLASMA CUTTER	EXISTING	SHOP 01			240	1	2 #10	#10	NEMA 14-30R & NEMA 14-50R	1
31	MILLER 212	EXISTING	SHOP 01			240	1	2 #10	#10	NEMA 14-30R	1
32	ECONOTIG	EXISTING	SHOP 01			52 amp		2 #4	#8	plug furnished with unit	1
33	3D PRINTER	EXISTING	SHOP 01			120	1	2 #12	#12	NEMA 5-20R	1
34	LASER	EXISTING	SHOP 04			120	1	2 #12	#12	NEMA 5-20R	1
35	FLAMMABLE STORAGE	EXISTING	SHOP 04								
36	LIFT - AUTOMOTIVE	NEW	SHOP 01			5 HP		2 #6	#10	DIRECT	

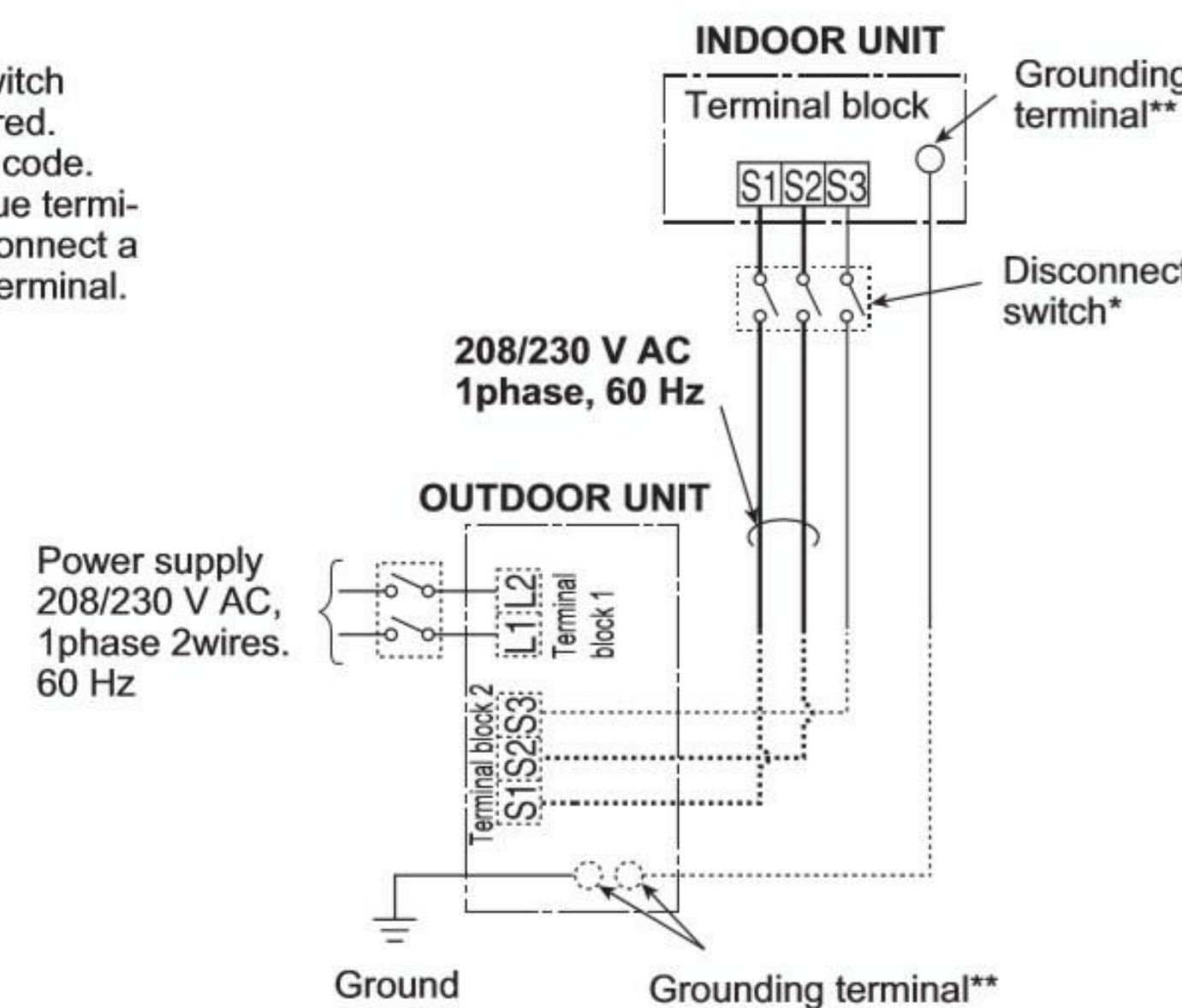
* SEE REMARKS: MCA MINIMUM CIRCUIT AMPACITY

REMARKS
1. ELECTRICAL CONTRACTOR TO VERIFY TYPE OF ELECTRICAL PLUG AT EACH PEICE OF EQUIPMENT AND MATCH RECEPTACLE.



1 ELEVATOR RECALL DIAGRAM SHUNT TRIP
NTS

Remark:
* A disconnect switch should be required. Check the local code.
** Use a ring tongue terminal in order to connect a ground wire to terminal.



2 MINI-SPLIT WIRING DIAGRAM
NTS

PANELBOARD SCHEDULE																		
PANEL NAME	ROOM NO.	MFR TYPE	MOUNT'G		SIZE			MAINS				BRANCHES				REMARK NUMBER		
			FLUSH SURFACE	DEPTH	ELECTRICAL SERVICE	AMP	LUGS	BREAKER SWITCH	FEED THRU LUGS	NO.	AMP.	POLE	CIRCUIT NUMBERS	SPACE				
DP	ELEC M104	SQ D NF	X	20"	5.75"	480Y/277 VOLT 3 PH, 4 WIRE	400	X				2	60	3	DP-1,2,3,4,5,6	54 SPACE		
												3	45	3	DP-7,8,9,10,11,12,14,16,18			
												5	20	3	DP-20,22,24-31,33,35			
												2	15	3	DP-13,15,17,19,21,23			
												2	20	3	SPARES			
HA	MECH. M01	SQ D NF	X	20"	5.75"	480Y/277 VOLT 3 PH, 4 WIRE	400	X				2	90	3	HA-1,2,3,4,5,6	54 SPACE		
												2	60	3	HA-7,8,9,10,11,12			
												1	15	3	HA-13,15,17			
												2	20	3	SPARES			
LA	MECH M01	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	600	X	X	X		500	2	MAIN CIRCUIT BREAKER	54 SPACE	FEED THRU LUGS		
												1	50	2	LA-1,3			
												2	30	2	LA-2,4,5,7 (GFI circuit breakers)			
												3	20	2	LA-6,8,9,10,11,12			
												23	20	1	LA -13, 14-18, 21-37			
												2	20	1	LA -19,20 (GFI circuit breakers)			
												4	20	1	SPARES			
LB	SHOP 01	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	600	X				1	80	2	LB-1,3	84 SPACE		
												2	60	2	LB-2.4. Sub feed to panel EL			
												3	50	2	LB-5,6-9,11			
												8	30	2	LB-10,12,13-20,21,23,26,28,30-32			
												4	20	2	LB-22,24,25,27,31,33, 68,70			
												37	20	1	LB-29,34-67,69, LB-71 (GFI circuit breaker)			
												AD-1	20	1	LB-58 (GFI circuit breaker)			
												2	50	2	SPARES			
												2	30	2	SPARES			
												6	20	1	SPARES			
LC	ELEC M104	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	225	X				1	20	2	LC-1,3	54 SPACE		
												AD-1	18	20	1	LC-2, 4-16,17,18,19,20		
												2	20	2	SPARES			
												4	20	1	SPARES			
L1A (existing)	MECH. M102	Kinney				240/120 VOLT 1 PH, 3 WIRE						3	20	1	L1A -1,2,3 (Existing circuit breakers)			
B (existing)	STAFF 146	Cutter-Hammer				240/120 VOLT 1 PH, 3 WIRE						AD-1	5	20	1	B-1,2,3,4,5	1	
C (existing)	MECH. M103	Cutter-Hammer				240/120 VOLT 1 PH, 3 WIRE						1	125	2	FEEDS SUB PANEL C2		1	
C2	MECH. M103	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	225	X				18	20	1	C2-1, 2-18	54 SPACE	2	
												10	20	1	refeerd existing circuits from boiler room panel			
												4	20	1	SPARES			
D1	OFFICE 149	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	225	X				AD-1	10	20	1	D1-1,2-10	72 SPACE	3
												36	20	1	refeerd existing circuits from adjacent panel D			
												4	20	2	refeerd existing circuits from adjacent panel D			
												4	20	1	SPARES			
EL	ELEV. EQUIP 02	SQ D NQ	X	20"	5.75"	240/120 VOLT 1 PH, 3 WIRE	100	X				1	20	2	EL-1,3	18 SPACE		
												6	20	1	EL-2, 4-8			
												2	20	1	SPARES			
F1 (existing)	JAN. 161	Cutter-Hammer	X			240/120 VOLT 1 PH, 3 WIRE						14	20	1	F1-1,2-14		1	
G1 (existing)	WEIGHT 143	Cutter-Hammer	X			240/120 VOLT 1 PH, 3 WIRE						9	20	1	G1-1, 2-9		1	
M	WEIGHT 143	Cutter-Hammer	X			240/120 VOLT 1 PH, 3 WIRE						AD-1	1	20	2	M-1,11		
												15	20	1	M-1, 2-8, 10,12-15,16,17			
												13	20	1	Refeerd existing branch circuits from removed load center.			

* SEE REMARKS

PANELBOARD SCHEDULE REMARKS:
1. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING PANELBOARD.
2. REFEED BRANCH CIRCUITS THAT ORIGINATED FROM BOILER ROOM PANELS. PROVIDE NEW HOMERUNS TO CLASSROOMS AND OTHER AREAS AS REQUIRED.
3. EXISTING REMOVED PANEL D TO BE USED AS JUNCTION BOX TO REFEED BRANCH CIRCUITS. EXTEND EXISTING FEEDER TO NEW PANELBOARD.

