

DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [2] **Date: September 23, 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, [1] bidding documents [1] specification section and [30] 30 x 42 drawings, and [6] prior approvals.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Document 00 11 13 Advertisement for Bids Revised section attached
 - a. Changed bid opening date from September 30 to October 7.

CHANGES TO SPECIFICATIONS:

2. Section 14 42 00 Wheelchair Platform Lifts Revised section attached
 - a. Changes throughout including changing the basis of design model.
3. Section 23 52 16 Condensing Boilers
 - a. Revised section to include boiler that are dual fuel (natural gas and LP) with separate fuel trains.
 - b. Based on product by Lochinvar Crest.
 - i. Aereco, Buderus, Cleaverbrooks, Fulton, Laars, PK, Raypak, Riello, Viessman, Weil-McLain equals, are acceptable.
 - ii. **BOILER(S) MUST BE CAPABLE OF DUAL FUEL (NATURAL GAS AND LP) WITH SEPARATE FUEL TRAINS OF CAPACITIES AND PARAMETERS LISTED ON SCHEDULE.**
4. Section 28 31 00 Fire Alarm and Detection
 - a. Paragraph 2.07(C)(1): delete the following: "shall be by Simplex and"
 - i. The VECF ~~shall be by Simplex and~~ shall contain a microprocessor-based Central Processing Unit (CPU). The CPU shall distribute and control emergency voice messages over the speaker circuits.

CHANGES TO DRAWINGS

5. Sheet C101 LAYOUT PLAN 30 x 42 attached hereto
 - a. See clouded change
 - b. Added concrete pad for propane tank.
6. Sheet C102 GRADING PLAN 30 x 42 attached hereto
 - a. Added concrete pad for propane tank
7. Sheet A120 ROOF 30 x 42 attached hereto
 - a. See clouded change
 - b. Added General Note K to include painting of exposed gas piping at the roof.
8. Sheet ID600 MASTER COLOR SCHEDULE 30 x 42 attached hereto
 - a. See clouded change
 - b. Revised AWP-2 Color selection.
9. Sheet S107 FRAMING PLAN 30 x 42 attached hereto
 - a. HSR Associates received feedback from some potential bidders that the lead time for steel joists is not compatible with the project schedule presented in the bidding documents. The project schedule will not be changed in this addendum. It is acceptable, at the bidder's option, to substitute structural steel members in place of the steel joists. Any costs associated with the substitution including effects to building services such as plumbing, mechanical and electrical are to be coordinated by the bidder prior to the bid and are to be included in the bid amount. This bidder's option is presented by narrative here and is not presented on the revised drawing.
 - b. At bidder's option (see item "a" above) it is acceptable to use W21x50 beams and masonry detail 5/S810 in lieu of 22KCS5 and the associated steel joist details.
 - c. At bidder's option (see item "a" above) it is acceptable to use W18X50 beams and masonry detail 5/S810 in lieu of 28K6 and the associated steel joist details.
10. Sheet S108 FRAMING PLAN no revised drawing attached.
 - a. At bidder's option (see item "a" under Changes to Drawings S107 above) it is acceptable to use W8x15 beams and masonry detail 5/S810 in lieu of 16K3 and the associated steel joist details.
11. Sheet P001 PLUMBING GENERAL INFORMATION 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. Revisions to Plumbing Schedules
 - c. Water System Calculation added.
12. 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
13. 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.
14. Sheet P100 LOWER LEVEL PLUMBING PLAN –SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. New work scope added/clarified.
 - c. Keynotes added.

15. Sheet P101 LOWER LEVEL PLUMBING PLAN – SEG B 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. New work scope added/clarified.
 - c. Keynotes added.
16. Sheet P102 FIRST FLOOR PLUMBING PLAN – SEG A 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. New work scope added/clarified.
 - c. Keynotes added.
17. Sheet P104 FIRST FLOOR PLUMBING PLAN – SEG C 30 X 42 attached hereto
 - a. Revisions clouded on drawing.
 - b. New work scope added/clarified.
18. Sheet P400 PLUMBING ENLARGED PLANS 30 X 42 attached hereto
 - a. Replace sheet with new sheet
19. Sheet M200 ENLARGED PLANS 30 x 42 attached hereto
 - a. Revised boiler layout to include update basis of design boilers (dual fuel).
20. Sheet M600 HVAC SCHEDULES 30 x 42 attached hereto
 - a. Revised Gas Fired Boiler Schedule to have dual fuel (natural gas and LP) boilers that have separate fuel trains.
21. Sheet M603 HVAC SCHEDULES 30 x 42 attached hereto
 - a. Revised Air/Dirt Separator Schedule to have a removable head feature.
 - b. Revised BT-1 to be just a tank without coalescing media within the tank.
22. Sheet E090 LOWER LEVEL ELEC. DEMO PLANS SEGEMENT A & B 30 x 42 attached hereto
 - a. Added equipment to be removed
23. Sheet E092 – FIRST FLOOR ELEC. DEMO PLAN – SEG.B 30 x 42 attached hereto
 - a. Added areas of demolition.
24. Sheet E093 – FIRST FLOOR ELEC. DEMO PLAN – SEG. C 30 x 42 attached hereto
 - a. Added areas of demolition.
25. Sheet E100- LOWER LEVEL – SEGMENT A & B 30 x 42 attached hereto
 - a. Provided electrical connections to additional equipment.
26. Sheet E101- FIRST FLOOR POWER PLAN – SEG A 30 x 42 attached hereto
 - a. Add electrical connections at ADA lift.
 - b. Added duct mounted smoke detectors.
27. Sheet E102- FIRST FLOOR POWER PLAN – SEG B 30 x 42 attached hereto
 - a. Added duct mounted smoke detectors.
28. Sheet E103-FIRST FLOOR POWER PLAN – SEG C 30 x 42 attached hereto
 - a. Added equipment connections.
 - b. Identified new water service location.
29. Sheet E105 –SECOND FLOOR POWER PLAN – SEG A 30 x 42 attached hereto
 - a. Add electrical connections at ADA lift
30. Sheet E201 –LOWER LEVEL LIGHTING PLAN – SEG A & B 30 x 42 attached hereto
 - a. Added light fixtures in welding booths in shop 01.
31. Sheet E202 –FIRST FLOOR LIGHTING PLAN – SEG A 30 x 42 attached hereto
 - a. Added Exit light in Hall C116.

- 32. Sheet E203 –FIRST FLOOR LIGHTING PLAN – SEG B 30 x 42 attached hereto
 - a. Added Lighting for hall C102 and track lighting (base bid)
 - b. Added light fixture to light fixture schedule.
 - c. Revision to low voltage relay panel.
- 33. Sheet E600 – ELECTRIC RISER DIAGRAM AND SCHEDULES 30 x 42 attached hereto
 - a. Revised feeder and circuit breaker to chiller to 600 amp.
- 34. Sheet E602 – ELECTRICAL SCHEDULES 30 x 42 attached hereto
 - a. Panelboards Schedule: Added and Revised circuit breakers and numbering.
- 35. Sheet E603 – ELECTRICAL SCHEDULES 30 x 42 attached hereto
 - a. Equipment Schedule: Added equipment connections.

PRIOR APPROVALS

- 36. Section 07 14 00 Fluid Applied Waterproofing
 - a. Polyguard brand Commercial Stretch product – Apply to min 55mil minimum cured thickness
- 37. Section 23 09 14 / 23 09 23 Direct Digital Control System for HVAC
 - a. JCI
 - b. Andover
 - c. AES
 - d. Distech - Ahern
- 38. Section 23 21 16 Hydronic Specialties – Hot/Chilled
 - a. Water Filters
 - i. Harmsco HIF
- 39. Section 23 21 17 Air Control Devices
 - a. Expansion Tanks
 - ii. American Wheatley
- 40. Section 23 38 13 Commercial Kitchen Hoods
 - a. Denlar
- 41. Section 23 83 16 Radiant Floor Systems
 - a. Roth X-Pert
 - b. Watts Radiant
 - c. Viega

END OF DOCUMENT 00 90 00

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, October 7, 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

SECTION 14 42 00
WHEELCHAIR PLATFORM LIFTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. All material and labor necessary to complete the installation of the vertical platform lift.
- B. Obtain all information affecting work at job site. Include verification of field, dimensions, anchoring and storage. Verify voltages and outlets on electrical drawings.

1.02 REFERENCES

- A. The lift shall be designed and tested in accordance with ICC/A117.1, NEC, ASME A18.1 Guidelines and the requirements of the authority having jurisdiction.
- B. All designs, clearances, construction, workmanship and installation shall be in accordance with the requirements and code adopted by the authority having jurisdiction. The platform lift shall be subject to local, city and state approval prior to and following installation.

1.03 SYSTEM DESCRIPTION

- A. Vertical Platform Lift consisting of a machine tower with lifting platform with 180° enter/exit, selected and dimensioned to provide adequate lifting height to suit the individual building requirements. The lift can be used to vertically transport a wheelchair user or mobility-impaired person up and over a barrier thus creating access to or within a building.
- B. Performance:
 - 1. Rated Load: 750 pound capacity.
 - 2. Travel Speed: 10 fpm.
 - 3. Lifting Height: up to 144"
 - 4. Platform size: 36"x54", with non-skid surface.
- C. Related Work:
 - 1. Door Hardware. Lift door hardware by lift supplier. Lift supplier to coordinate with door hardware schedule to provide the needed building functionality and needed lift functionality.
 - 2. Painting.
 - 3. Section 06 10 00 Rough Carpentry - Coordinate structural connections, door frames and related items.
 - 4. Division 26 Electrical - Coordinate requirements with electrical contractor for conduit locations.
 - 5. Drawing A601 Door Schedule and Frame Types

1.04 SUBMITTALS

- A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, dimensions, electrical characteristics, safety features, controls, and finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 2. Wiring Diagrams: For power, signal, and control wiring.
- C. Samples for Initial Selection: For surfaces and components with factory-applied color finishes.
 - 1. Include similar Samples of accessories involving color selection.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below:
 - 1. Metal Finish: Manufacturer's standard-size unit, not less than 4 inches square.
 - 2. Tubular Products and Running Trim: Manufacturer's standard-size unit, 6 inches long.
 - 3. Hardware: Manufacturer's standard, exposed, door-operating device.
- E. Qualification Data: For qualified Installer.

- F. Manufacturer Certificates: Signed by lift manufacturer certifying that runway, ramp or pit, and dimensions as shown on Drawings and that electrical service as shown and specified are adequate for lift being provided.
- G. Inspection and Acceptance Certificates and Operating Permits: As required by authorities having jurisdiction for normal, unrestricted use of lifts.
- H. Operation and Maintenance Data: include operation and maintenance manuals. In addition include the following:
 - 1. Parts list with sources indicated.
 - 2. Recommended parts inventory list.
- I. Warranty: Sample of special warranty.

1.05 QUALITY ASSURANCE

- A. Certified for installation in the State of Wisconsin.
- B. Manufacturer: Company shall contain personnel with not less than ten (10) years of experience in the design and fabrication of vertical platform lifts.
- C. Installer Qualifications: Manufacturer's certified installer who is trained and approved for installation of units required for this Project.
- D. Regulatory Requirements: In addition to requirements of authorities having jurisdiction, comply with ASME A18.1, "Safety Standard for Platform Lifts and Stairway Chairlifts."

1.06 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of lifts that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.

1.07 MAINTENANCE SERVICE

- A. Maintenance of the platform lift unit shall consist of regular cleaning of the unit and routine safety testing at interval of not longer than every six (6) months. Rule 10.2.1 of ASME A18.1 requires all Vertical Platform Lifts be inspected every six (6) months.
- B. Provide maintenance service as described above for owner during the warranty period as identified above.
- C. Unit must be assembled and tested in factory before shipment.

PART 2 PRODUCTS

2.01 MANUFACTURER AND MODEL

- A. Symmetry VPL-SL; <https://symmetryelevators.com/>
- B. Garaventa Genesis Shaftway Lead Screw; www.garaventailift.com

2.02 FABRICATION

- A. Platform shall be constructed of 12-gauge minimum hot rolled steel. Installed in a 3-inch pit to meet lower landing.
- B. Platform side panels must be 42" high. Side panel framework shall be a minimum of 1" x 1 ½" steel. Solid infill panels shall be a minimum of 18 gauge Steel.
- C. Finish shall be electro statically applied powder coating, oven backed to cure. Color shall be selected from manufacturers standard color or optional colors.
- D. Platform configuration; straight through.
- E. The Mainframe (Main Tower) support shall be a combination 7 gauge C Channel, 12 gauge interface plates and 16 gauge exterior skin.
- F. Carriage platform supports shall be a minimum of ½" steel plate and carriage uprights shall be a minimum of 3/8" thick laser cut steel plate.

- G. Elevator style (Nylon) rollers shall be used for axial carriage guidance and wear pads shall be used for horizontal stability.
- H. Loaded fasteners shall be grade eight or higher. Locking fasteners shall be used in all critical locations,
- I. Doors: Provide doors and frames. See the door schedule on sheet A601. It is permissible to provide the manufacturer's standard door in lieu of solid core wood door.
- J. Finish: Exterior grade powder coat paint. Color as selected from manufacturer's standard line
- K. A constant pressure, elevator style, hall call control switch shall be provided at each landing.
- L. The motor shall be 1 HP, 115 volt, 1 phase.
- M. Operating control circuit - regulated N.R.T.L. listed class 2 power limited circuit operating at 24vdc.
- N. An upper final limit switch shall be provided.
- O. The drive mechanism - stationary nut on a rotating 1" diameter ACME screw with a secondary safety nut.
- P. Unit must be assembled and tested in factory before shipment.

2.03 SAFETY DEVICES

- A. Nonskid platform surface.
- B. Alarm and emergency stop switch.
- C. Grab rail.
- D. Platform gate operator.
- E. Landing interlocks keep door locked when the lift is on another floor.
- F. Upper final limit.
- G. Manual lowering device.
- H. 24-volt DC, fail secure electric strike that contains electric contacts to ensure the door is both closed and locked.
- I. Battery controlled emergency operation to satisfy code requirements.
- J. Telephone kit (ADA compliant with battery backup).

2.04 CONTROLS

- A. Remote mounted controller allows for readily serviceable diagnostics at upper or lower landing.
- B. Low-power door operator: 115-volt, 15-amp, low-energy. ADA-compliant processor controlled and fully adjustable operator.
- C. An illuminated emergency stop switch / Audible alarm switch shall be provided on the car as a means of signaling for assistance in the event of an emergency.
- D. Provide power operated door openers compatible with the manufacturer's system. Provide door operator actuators to be installed in conduits and boxes installed by the electrical contractor.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, critical dimensions, and other conditions affecting performance.
- B. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Unit shall be installed and operated in accordance with the guidelines and requirements of ICC A117.1, NEC, ASME A18.1, and the authority having jurisdiction.
- B. The installation of the vertical platform lift shall be made in accordance with approved plans and specifications and the manufactures installation instructions.
- C. Coordinate runway doors with platform travel and positioning, for accurate alignment and minimum clearance between platforms, runway doors, sills, and door frames.
- D. A lockable service disconnect switch rated at 110v 30A shall be supplied by the electrical contractor at job site.
- E. Adjust stops for accurate stopping and leveling at each landing, within required tolerances.
 - 1. Leveling Tolerance: 1/4 inch up or down, regardless of load and direction of travel.
- F. Lubricate operating parts of lift, including drive mechanism, guide rails, hinges, safety devices, and hardware.
- G. Test safety devices and verify smoothness of required protective enclosures and fascias.

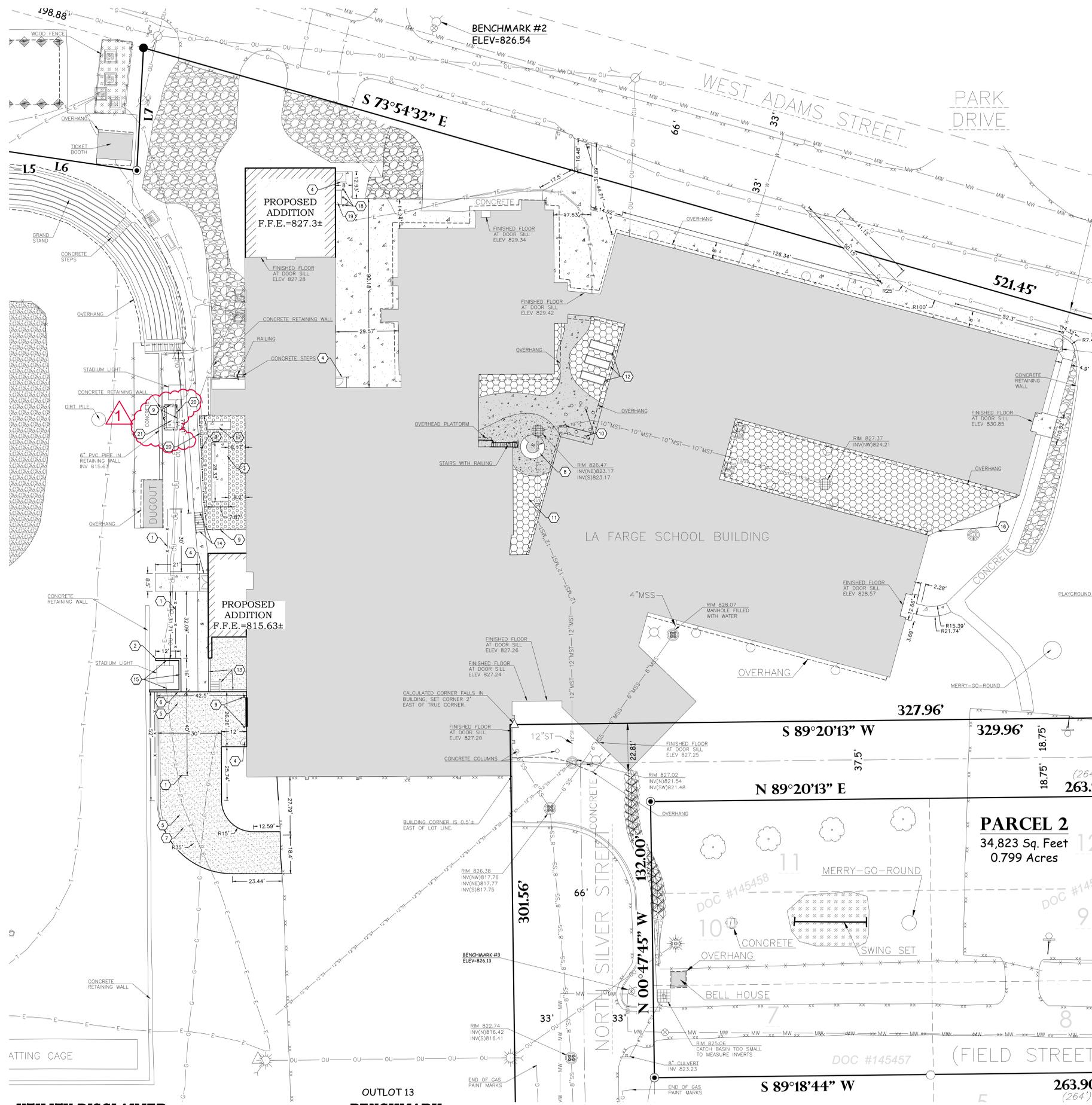
3.03 FIELD QUALITY CONTROL

- A. Acceptance Testing: On completion of lift installation and before permitting use of lifts, perform acceptance tests as required and recommended by ASME A18.1 and authorities having jurisdiction.
- B. Operating Test: In addition to above testing, load lifts to rated capacity and operate continuously for 30 minutes between lowest and highest landings served. Readjust stops, signal equipment, and other devices for accurate stopping and operation of system.
- C. Advise Owner, Architect, and authorities having jurisdiction in advance of dates and times tests are to be performed on lifts.

3.04 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain lifts. Include a review of emergency systems and emergency procedures to be followed at time of operational failure and other building emergencies.
- B. Check operation of lifts with Owner's personnel present and before date of Substantial Completion. Determine that operating systems and devices are functioning properly.
- C. Check operation of lifts with Owner's personnel present not more than one month before end of warranty period. Determine that operating systems and devices are functioning properly.

END OF SECTION



GENERAL NOTES:

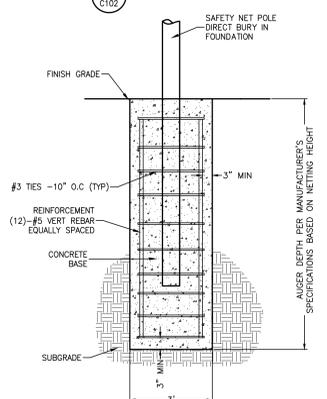
- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
- SEE SHEET C103 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
- PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
- COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
- PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
- SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
- ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

KEYNOTES:

- 20' TALL SAFETY NETTING (SPORTSFIELD SPECIALTIES MODEL# BSS420, OR APPROVED EQUAL)
- RETAINING WALL (SEE GRADING PLAN)
- CONCRETE CHILLER PAD (INSTALL PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS)
- STRUCTURAL BUILDING STOOP (BY BLDG CONTRACTOR)
- 18" CONCRETE CURB & GUTTER
- INSTALL EXPANSION JOINT FABRIC BETWEEN RETAINING WALL AND CURB
- 2" CURB TAPER
- COLLABORATION NEST BENCH - BY WAUSAU TILE (MODEL DF5510)
- 8' TALL BLACK VINYL COATED CHAIN-LINK FENCE W/SLATS
- NATURAL TABLES/SEATING (BY OWNER)
- PAINTED ROCK SCULPTURE GARDEN (BY OWNER)
- CEDAR RAISED PLANTING BEDS (BY OWNER)
- RETAINING WALL (SEE STRUCTURAL)
- CONCRETE STAIRS
- MODULAR BLOCK RETAINING WALL
- ALUMINUM EDGING
- MECHANICAL PAD (SEE MECHANICAL)
- CONCRETE BOLLARD
- APPROXIMATE LOCATION OF NEW GAS METER (SEE PLUMBING)
- PEDESTRIAN GATE
- PROPANE TANK PAD

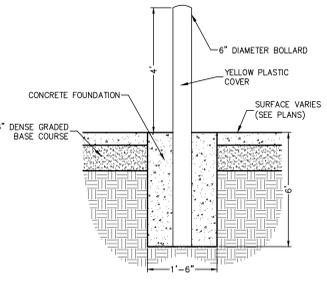
PAVEMENT HATCH PATTERNS:

- PROPOSED 4" CONCRETE PAVEMENT
- PROPOSED 4" COLORED CONCRETE PAVEMENT (DARK GRAY-MIXED NOT STAINED)
- PROPOSED 4" COLORED CONCRETE PAVEMENT (DARK PURPLE-MIXED NOT STAINED)
- PROPOSED 7" REINFORCED CONCRETE PAVEMENT
- PROPOSED 12" THICK GRAVEL DRIVE (USE WisDOT 3/4" DENSE GRADED BASE)
- 6" THICK PEA GRAVEL
- 1"-2" WASHED RIVER ROCK LANDSCAPE STONE w/WEED BARRIER FABRIC

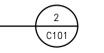
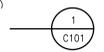


- NOTES:
- REFERENCE FOUNDATION DRAWING. SEE MANUFACTURER'S SPECIFICATIONS FOR ENGINEERED FOOTINGS & OTHER RECOMMENDED INSTALLATION INSTRUCTIONS.
 - POLE SPACING SHALL NOT EXCEED 20' (OTY, 9 POLES)

NETTING POLE FOUNDATION



CONCRETE BOLLARD



UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS. PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

OUTLOT 13 BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1 | ELEVATION = 840.43
BURY BOLT ON HYDRANT LOCATED ON THE WEST SIDE OF NORTH BIRD STREET, NORTH OF THE INTERSECTION OF NORTH BIRD STREET AND FIELD STREET.

BENCHMARK #2 | ELEVATION = 826.54
BURY BOLT ON HYDRANT LOCATED ON THE NORTH SIDE OF WEST ADAMS STREET, NORTH OF THE SCHOOL BUILDING.

BENCHMARK #3 | ELEVATION = 826.13
FLAG BOLT ON HYDRANT LOCATED AT THE WESTERN END OF FIELD STREET.

BENCHMARK #4 | ELEVATION = 815.23
600 NAIL ON WEST SIDE OF POWER POLE LOCATED NORTH OF THE SOFTBALL FIELD, WEST OF THE NORTHERN DUGOUT.

BENCHMARK #5 | ELEVATION = 815.41
BURY BOLT ON HYDRANT LOCATED ON THE NORTH SIDE OF WEST ADAMS STREET, NORTH OF THE SCHOOL BUILDING.



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**LA FARGE SCHOOL DISTRICT
SCHOOL ADDITION/REMODEL
LAYOUT PLAN**

Project Title:
Project Number:
Project Date:
Drawn By:

19041-1
SEPTEMBER 7, 2021
POB

Revisions:

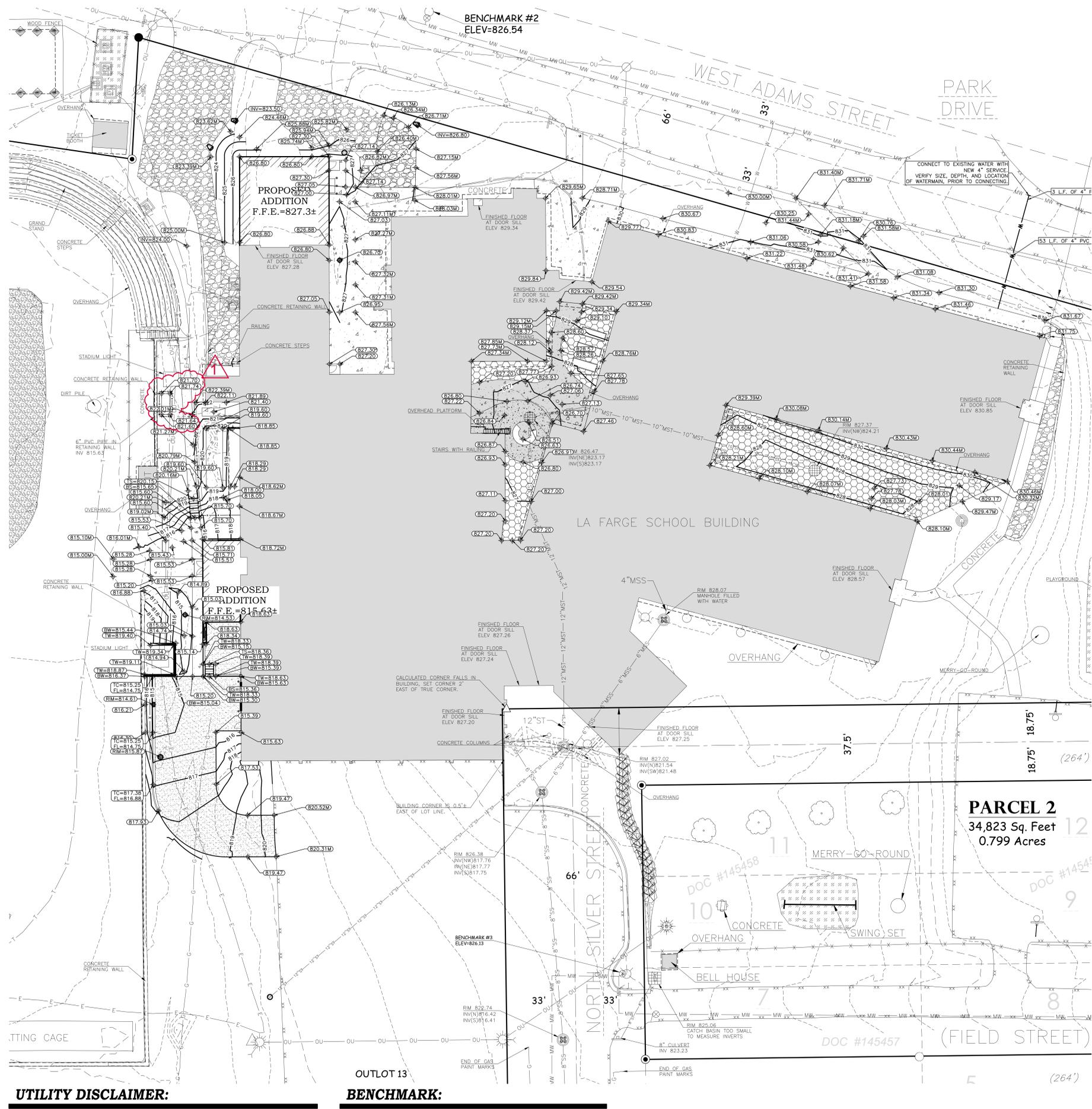
No.	Description	Date
1	Addendum #2	9/23/2021

Graphic Scale:
SEE SCALE BAR

Last Update:
9/7/2021

C101



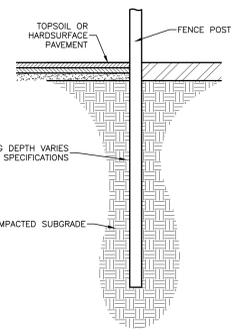


GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION OF 827.3 EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
- GRADE, LINE, AND LEVEL SHALL BE REVEALED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
- 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
- SEE SHEET C103 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
- PROVIDE RIP RAP AT ALL CURB ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
- INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH UNDER RIP RAP.
- EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER, COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
- THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
- ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
- THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
- THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
- GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.

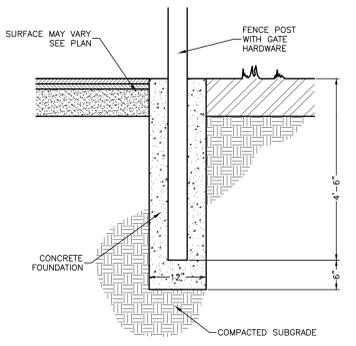
GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	827.20
PROPOSED ENDWALL INVERT ELEVATION	829.05
PROPOSED RIM ELEVATION	829.50
PROPOSED TOP OF CURB ELEVATION	829.50
PROPOSED FLOW LINE ELEVATION	829.50
PROPOSED TOP OF SIDEWALK ELEVATION	829.50
PROPOSED TOP OF WALL ELEVATION	829.50
PROPOSED BOTTOM OF WALL ELEVATION	829.00
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	829.00
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	XXX
PROPOSED STORM SEWER MANHOLE	XXX
PROPOSED STORM SEWER CLEANOUT	XXX
PROPOSED STORM SEWER INLET	XXX
PROPOSED STORM SEWER CURB INLET	XXX



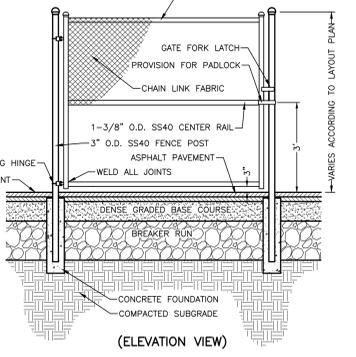
- NOTES:
- ALL LINE AND CORNER/TERMINAL POSTS DRIVEN THROUGH ASPHALT PAVEMENT SHALL BE SEALED WITH CAULK.
 - SEE LAYOUT PLAN FOR FENCE LOCATIONS.
 - WHEREVER POSSIBLE, INSTALL FENCE IN GRASSED AREAS RATHER THAN HARD SURFACES.
 - INSTALL FENCEGUARD™ MOWSTRIP OR APPROVED EQUAL UNDER FENCE IN GRASSED AREAS. TRIM MOWSTRIP WHERE ABUTTING HARD SURFACES.

LINE AND CORNER/TERMINAL FENCE POST



GATE POST

- NOTES:
- SEE LAYOUT PLAN FOR GATE LOCATIONS



PEDESTRIAN GATE

- NOTES:
- SEE LAYOUT PLAN FOR GATE LOCATIONS

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTIONS AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1 | ELEVATION = 840.43
BURY BOLT ON HYDRANT LOCATED ON THE WEST SIDE OF NORTH BIRD STREET, NORTH OF THE INTERSECTION OF NORTH BIRD STREET AND FIELD STREET.

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600 NAIL ON WEST SIDE OF POWER POLE LOCATED NORTH OF THE SOFTBALL FIELD, WEST OF THE NORTHERN DUGOUT.

BENCHMARK #5 | ELEVATION = 815.41
BURY BOLT ON HYDRANT LOCATED ON THE NORTH SIDE OF WEST ADAMS STREET, NORTH OF WEST NORTH STREET AND NORTH GOLD STREET.



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Stevens Point, WI 54481
715.344.9999(Fax)

Project Title: **LA FARGE SCHOOL DISTRICT SCHOOL ADDITION/REMODEL**
Project Location: **301 W ADAMS ST LA FARGE, WI 54639**
Sheet Title: **GRADING PLAN**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 7, 2021**

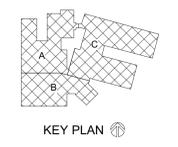
Drawn By: **POB**

No.	Description	Date
1	Addendum #2	9/23/2021

Graphic Scale: **SEE SCALE BAR**

Last Update: **9/7/2021**

C102



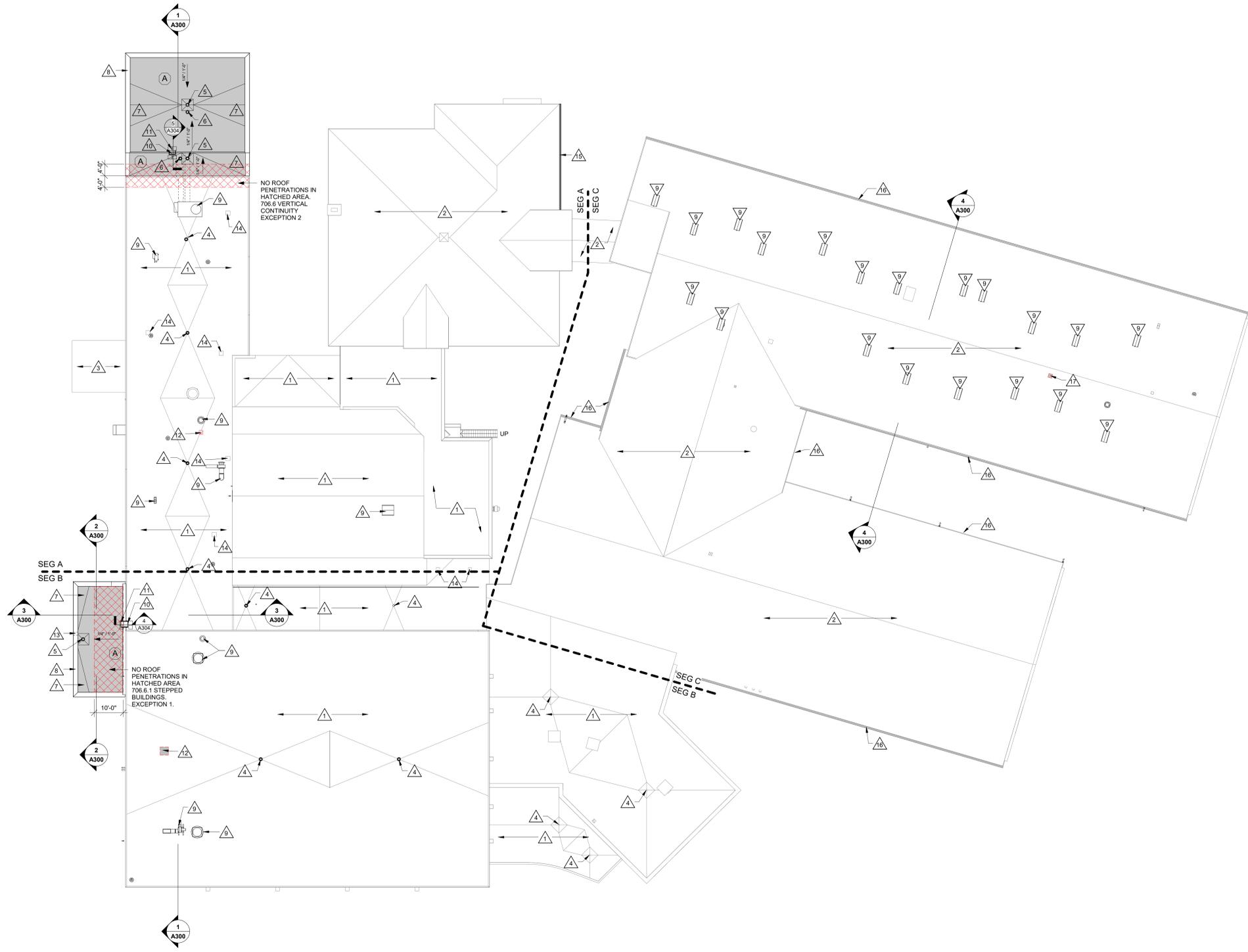
No.	Description	Date
A02	ADD2	9.23.2021

- ROOF GENERAL NOTES:**
- SEE ROOF SYSTEM NOTES FOR MINIMUM AND AVERAGE INSULATION VALUES.
 - TAPERED INSULATION SHOP DRAWING APPROVAL SHALL INCLUDE REVIEW OF DRAIN AND SCUPPER LOCATIONS IN RELATION TO STRUCTURAL AND MEP SYSTEM COMPONENTS, INCLUDING, BUT NOT LIMITED TO, ROOF TOP EQUIPMENT, DUCTWORK, ROOF LEADER RUNS, LIGHTING, PIPING AND CONDUIT. PRIOR TO INSTALLATION OF DRAINS AND EQUIPMENT COORDINATE A WALK THROUGH WITH A/E AND APPLICABLE SUBCONTRACTORS TO CONFIRM CONDITIONS. ADJUSTMENTS TO DRAIN AND EQUIPMENT RELOCATIONS SHALL BE COORDINATED WITH A/E AT THAT TIME.
 - VERIFY ROOF EQUIPMENT AND PENETRATIONS WITH ALL TRADES. EQUIPMENT SHOWN IS GRAPHIC ONLY.
 - ROOF PENETRATIONS FOR DRAINS, VENTS, ETC. SHALL BE COMPLETED AS PER CURRENT SMACNA REQUIREMENTS AND THE ROOF MANUFACTURERS APPROVED DETAILS FOR WARRANTY SATISFACTION. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTOR. PROVIDE CURBS WHERE REQUIRED.
 - ALL METAL ROOF AND FLASHING, SHALL MEET CURRENT SMACNA REQUIREMENTS AND MANUFACTURERS SPECIFIED WARRANTY.
 - WHERE MEMBRANE IS SHOWN OVER TOP OF WALL EXTEND DOWN OPPOSITE SIDE AND SECURE TO BLOCKING.
 - TOP OF WALL BLOCKING SHOWN IS GRAPHIC. PROVIDE BLOCKING THAT SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITHSTAND WIND UPLIFT AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARDS ROOF.
 - INSTALL BOND BREAK BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
 - WHERE ROOF DRAINS PENETRATE ABOVE ROOMS W/ NO CEILING CARE SHALL BE TAKEN TO ENSURE NEAT CUTS IN THE DECK AND PIPING/INSULATION SHALL BE CUT AND ANCHORED NEATLY @ RIGHT ANGLES TO STRUCTURE.
 - AT INTERSECTION OF ROOF INSULATION WITH VERTICAL SURFACES FILL ALL VOIDS AT INSULATION TERMINATION WITH EXPANDING FOAM INSULATION.
 - PAIN EXPOSED GAS PIPING RUNNING ABOVE THE ROOF - SEE PLUMBING PLANS**

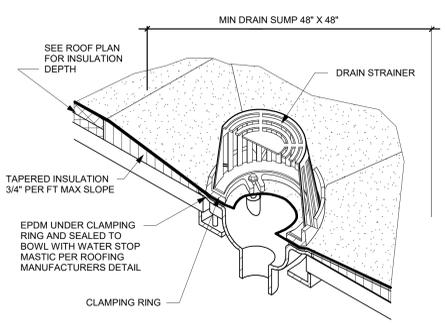
- ROOF SYSTEM DESCRIPTIONS:**
- ADHERED, SINGLE MEMBRANE ROOFING SYSTEM ON 1/4" PER FOOT TAPERED POLYCYANURATE INSULATION SYSTEM CONSISTING OF TAPERED INSULATION OVER MINIMUM 6" BASE LAYER. INSTALL INSULATION OVER 6 MIL POLY VAPOR BARRIER OVER METAL DECK. VAPOR BARRIER SHALL BE TAPED AND SEALED AT FULL PERIMETER AND PENETRATIONS INCLUDE OVERLAPPED SEAMS. INSTALL REQUIRED THICKNESS TO MEET AVERAGE R-VALUE OF 27.5

- ROOF EQUIPMENT LEGEND:**
- AIR COOLED CONDENSING UNIT-SEE MECHANICAL.
 - INTAKE VENT HOOD-SEE MECHANICAL.
 - EXHAUST VENT HOOD-SEE MECHANICAL.
 - EXHAUST VENT HOOD-SEE MECHANICAL.
 - AIR INTAKE/EXHAUST VENT-SEE MECHANICAL.
 - PLUMBING VENT-SEE PLUMBING.
 - RD = ROOF DRAIN WITH 4" SQUARE SUMP + OVERFLOW ROOF DRAIN. INSTALL TO MEET ROOF WARRANTY REQUIREMENT - SEE PLUMBING

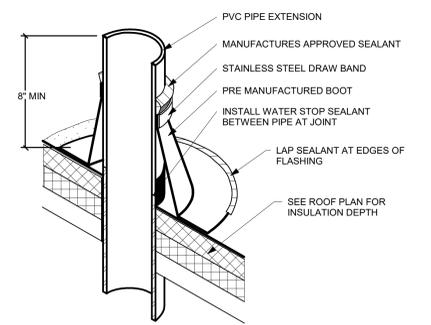
- KEY NOTES ROOF**
- EXISTING MEMBRANE ROOF TO REMAIN. ANY NEW ROOF PENETRATIONS SHOULD BE INSTALLED TO MEET THE EXISTING ROOF SYSTEM WARRANTY REQUIREMENTS.
 - EXISTING SHINGLE ROOF TO REMAIN. ANY NEW ROOF PENETRATIONS SHOULD BE INSTALLED TO MEET THE EXISTING ROOF SYSTEM WARRANTY.
 - EXISTING METAL PANEL ROOF TO REMAIN
 - EXISTING ROOF DRAIN TO REMAIN
 - ROOF DRAIN - SEE DETAIL 2/A120
 - OVERFLOW ROOF DRAIN
 - TAPERED INSULATION CRICKET
 - PRE-FINISHED SHEET METAL COPING
 - MECHANICAL PLUMBING EQUIPMENT - SEE MECHANICAL / PLUMBING DRAWINGS. SEE 3/A120, 4/A120 AND 6/A120 FOR ROOFING DETAILS.
 - ROOF ACCESS LADDER
 - WALKWAY PADS AT TOP AND BOTTOM OF LADDER
 - INFILL OPENING W/ DECK AND INSULATION AND PATCH EXISTING MEMBRANE ROOFING AT REMOVED HVAC EQUIPMENT - COORDINATE W/ MECHANICAL DRAWINGS
 - 12" WIDE X 8" HIGH PRE-FINISHED SHEET METAL THRU-WALL OVERFLOW ROOF SCUPPER. CONSTRUCT PER SMACNA GUIDELINES AND FLASH PER ROOF MANUF. WARRANTY. SEE DETAIL 6/A120
 - EXISTING EXHAUST TO BE CAPPED - SEE MECHANICAL
 - NEW ALUMINUM GUTTER AND DOWNSPOUTS
 - EXISTING ALUMINUM GUTTERS TO REMAIN
 - INFILL ROOF OPENING W/ PLYWOOD AND PATCH FELT AND ASPHALT SHINGLES AT REMOVED HVAC EQUIPMENT - COORDINATE W/ MECHANICAL DRAWINGS



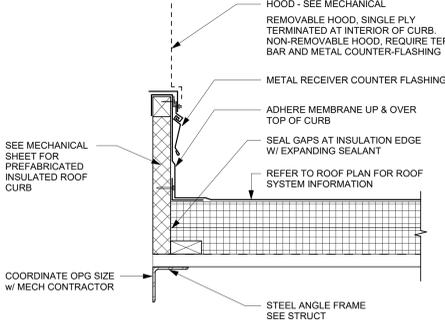
1 ROOF PLAN
1/16" = 1'-0"



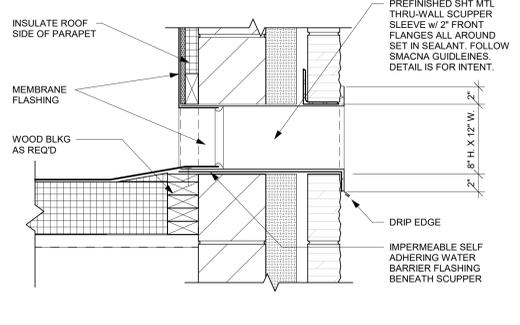
2 TYP ROOF DRAIN



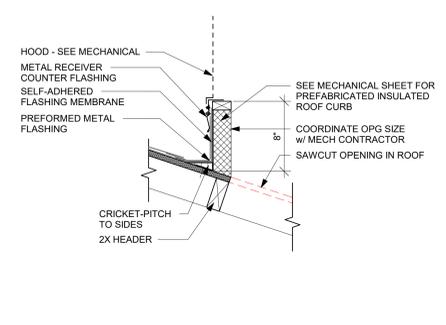
3 PIPE FLASHING



4 CURB FLASHING
AT LOW SLOPE MEMBRANE ROOF



5 THRU-WALL SCUPPER
1 1/2" = 1'-0"



6 CURB FLASHING
AT SLOPED SHINGLE ROOF



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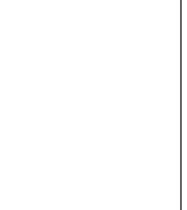
Consultant:

LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
301 WEST ADAMS STREET
LA FARGE, WISCONSIN
MASTER COLOR SCHEDULE

Project Title:
Project Number:
Project Date:
Drawn By:

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

Key Plan:



BID DOCUMENTS

No.	Description	Date
A02	ADD2	9.23.2021

Graphic Scale:
VARIES

Last Update:
9/23/2021 10:01:58 AM

ID600

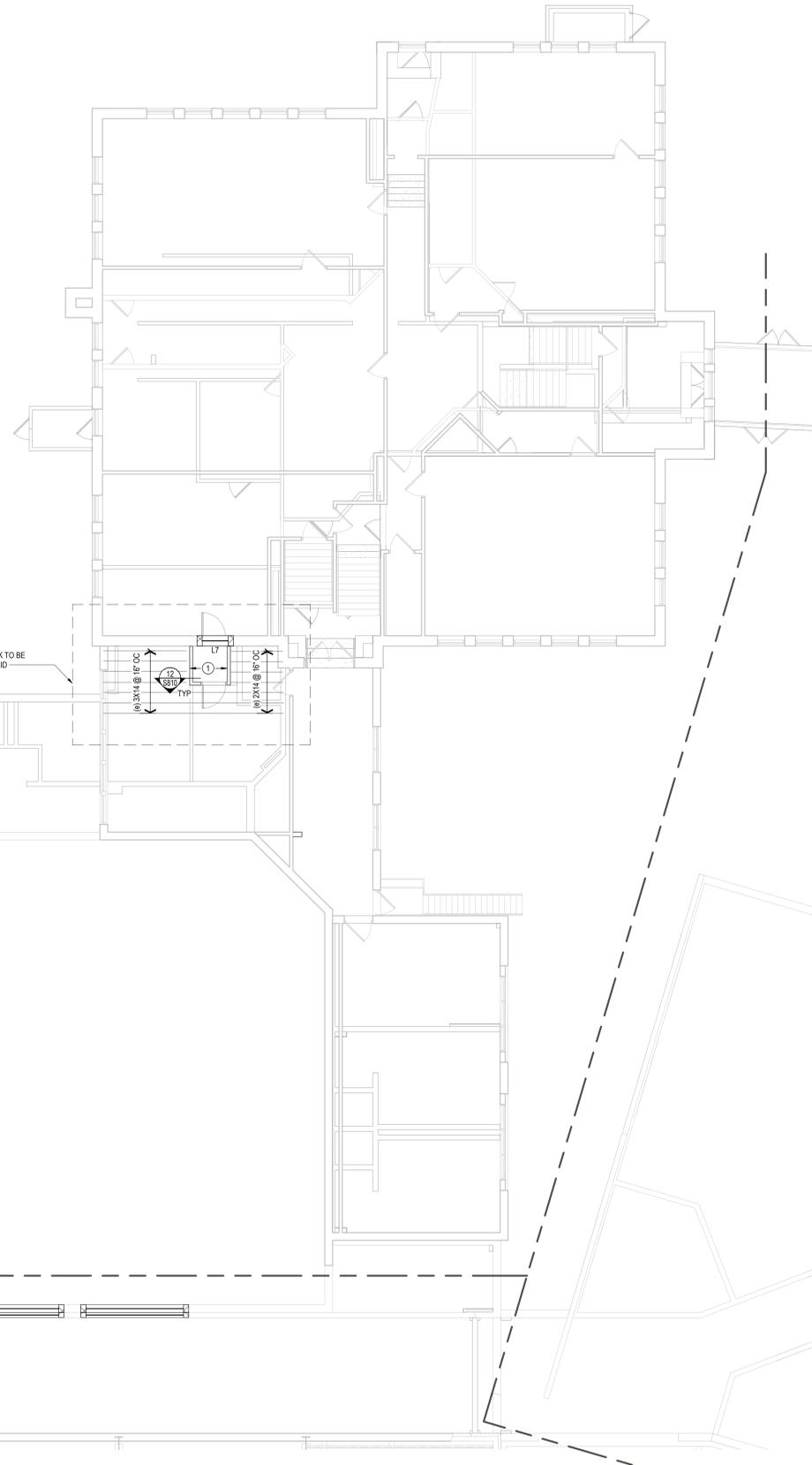
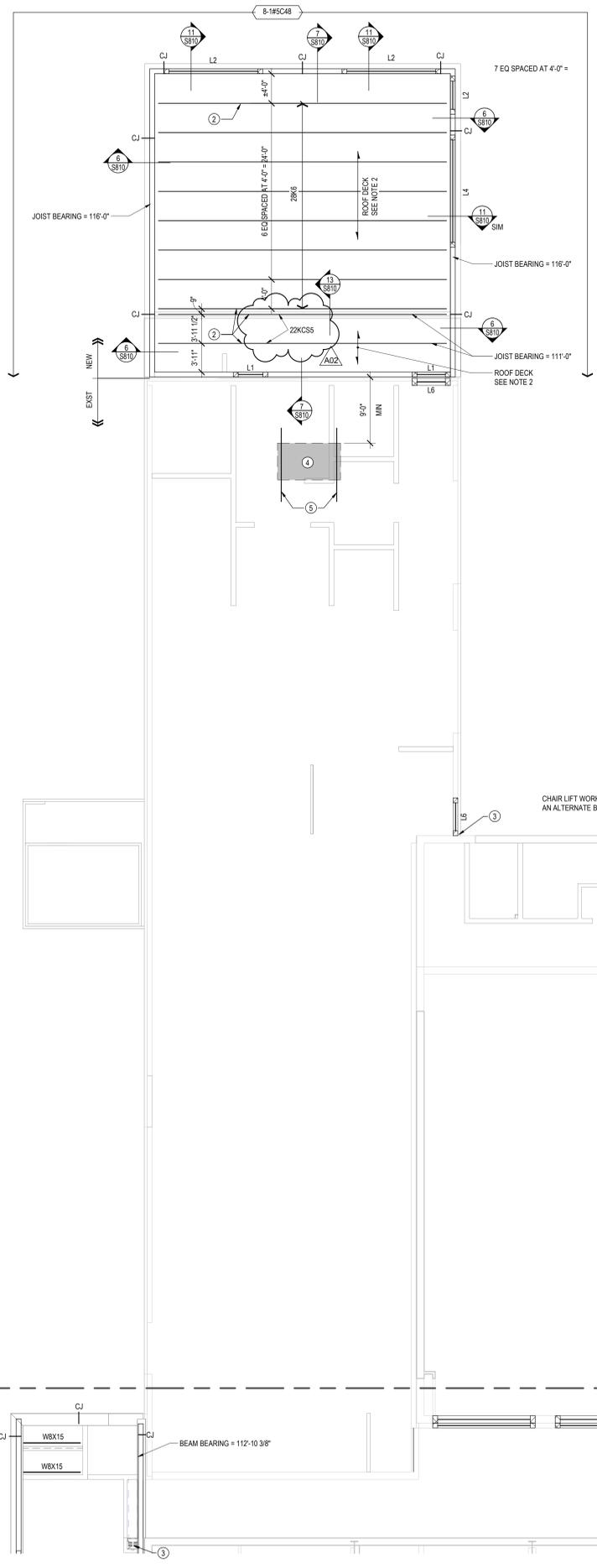
MASTER COLOR SCHEDULE											
MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS
06 41 00 CUSTOM CABINETS			09 65 00 RESILIENT FLOORING/BASE			09 84 30 SOUND ABSORBING WALL AND CEILING UNITS					
PLAM-1 (Plastic Laminate)	<u>Manufacturer:</u> Formica <u>Color:</u> White Twill <u>Finish:</u> Matte Finish	Casework	Comparable Products by Prior Approval	LVT-1 (Luxury Vinyl Tile)	<u>Manufacturer:</u> Mohawk Group <u>Product:</u> Lineate <u>Color:</u> Figured <u>Thickness:</u> 5mm <u>Wear Layer:</u> 20 mil	Field Elevator	Comparable Products by Prior Approval Refer to arrows on plan for install direction See LVT Ratio for RM 157 on ID102	AWP-1 (Acoustical Wall Panel)	See spec section for panel fabric <u>Panel Edge Profile:</u> Square <u>Panel Size:</u> See A210, A211, A212 <u>Fabric:</u> Carnegie Xorel <u>Fabric Pattern:</u> Dash <u>Fabric Color:</u> 6603 34 <u>Fabric Backing:</u> Acrylic	See A210, A211, A212 Room 152, 154, 155, 157	Comparable Products by Approval
PLAM-2	<u>Manufacturer:</u> Nevamar <u>Color:</u> Veto Proof <u>Finish:</u> Textured Finish	Countertops	Comparable Products by Prior Approval	LVT-2	<u>Manufacturer:</u> Mohawk Group <u>Product:</u> Lineate <u>Color:</u> Stripe <u>Thickness:</u> 5mm <u>Wear Layer:</u> 20 mil	Purple Accent	Comparable Products by Prior Approval Refer to arrows on plan for install direction See LVT Ratio for RM 157 on ID102	AWP-2	See spec section for panel fabric <u>Panel Edge Profile:</u> Square <u>Panel Size:</u> See A210, A211, A212 <u>Fabric:</u> Carnegie Xorel <u>Fabric Pattern:</u> Meteor <u>Fabric Color:</u> 6427 2036 <u>Fabric Backing:</u> Acrylic	See A210, A211, A212 Room 152, 154, 155, 157 (Purple)	Comparable Products by Approval
PLAM-3	<u>Manufacturer:</u> Nevamar <u>Color:</u> Clear Maple <u>Finish:</u> Textured Finish	Cubbies	Comparable Products by Prior Approval	LVT-3	<u>Manufacturer:</u> Mohawk Group <u>Product:</u> Lineate <u>Color:</u> Groove <u>Thickness:</u> 5mm <u>Wear Layer:</u> 20 mil	Accent	Comparable Products by Prior Approval Refer to arrows on plan for install direction See LVT Ratio for RM 157 on ID102				
06 61 00 CAST POLYMER FABRICATIONS			09 90 00 PAINTS AND COATINGS								
SS-1 (Solid Surface)	<u>Manufacturer:</u> Corian <u>Color:</u> Silver Birch	Window Sills	Comparable Products by Prior Approval	RS-1 (Rubber Sheet)	<u>Manufacturer:</u> Nora <u>Product:</u> Envirocare <u>Color:</u> Clam Bake 7036 <u>Thickness:</u> 3mm <u>Size:</u> Roll Good <u>Install:</u> Heat Welded Seams	Integral Base	Comparable Products by Prior Approval	PNT-1 (Paint)	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Crushed Ice 7647 <u>Color Code:</u> 255-C6	Field Exposed Ceilings	*Or Equal
SS-2	<u>Manufacturer:</u> Staron <u>Color:</u> Mosaic Dalmatian	Rm 147	Comparable Products by Prior Approval	RST-1 (Rubber Stair Tread)	<u>Manufacturer:</u> Johnsonite <u>Product:</u> Rubber Tread with Integrated Riser HTR <u>Color:</u> Moon Rock 29 WG	(Hammered Tread)	Comparable Products by Prior Approval	PNT-2	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Plummy 6558 <u>Color Code:</u> 189-C6	Accent	*Or Equal
09 30 00 TILE			09 21 23 CUBICLE CURTAIN								
TLE-1 (Tile)	<u>Manufacturer:</u> Daltile <u>Product:</u> Color Wave Straight Joint 1x6 <u>Color:</u> Purple Magic <u>Size:</u> 1x6" <u>Install:</u> Vertically	Rm 147 TT-3 for edges of TLE-1	Comparable Products by Prior Approval	RT-1 (Rubber Tile)	<u>Manufacturer:</u> Johnsonite <u>Product:</u> HRT Rubber Tile <u>Size:</u> 24"x24" <u>Color:</u> Moon Rock 29 WG	Stair Landing	Comparable Products by Prior Approval	PNT-3	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Mystical Shade 6276 <u>Color Code:</u> 228-C3	Accent	*Or Equal
TLE-2	<u>Manufacturer:</u> Ceramic Tileworks <u>Product:</u> Modern <u>Color:</u> Grey <u>Size:</u> 12x24" <u>Install:</u> 1/3, see ID sheet/arrows for floor direction	T105 Floor Tile Tile base	Comparable Products by Prior Approval	VCT-1 (Vinyl Composition Tile)	<u>Manufacturer:</u> Basis of Design: Armstrong <u>Product:</u> Standard Excelon Imperial Texture (Match Existing) <u>Color:</u> Match Existing <u>Thickness:</u> 1/8" (Match Existing) <u>Size:</u> 12x12 (Match Existing)	C102, 134A (Match C102)	Comparable Products by Prior Approval	PNT-4	<u>Manufacturer:</u> Sherwin Williams <u>Color:</u> Dovetail 7918 <u>Color Code:</u> 244-C5	Hollow Metal Door and Window Frames	*Or Equal
TLE-3	<u>Manufacturer:</u> Ceramic Tileworks <u>Product:</u> Modern <u>Color:</u> White <u>Size:</u> 12x24" <u>Install:</u> Running Bond 1/2, Vertical	T105 Wall Tile	Comparable Products by Prior Approval	VWB-1 (Vinyl Wall Base)	<u>Manufacturer:</u> Johnsonite <u>Size:</u> 4" <u>Color:</u> Silver Grey 55 WG		Comparable Products by Prior Approval	Privacy Curtains & Track <u>Manufacturer:</u> DL Couch <u>Product:</u> Privacy Curtain <u>Color:</u> As selected by A/E <u>Pattern:</u> As selected by A/E <u>Contents:</u> 100% polyester FR			
TT-1 (Tile Transition)	<u>Manufacturer:</u> Schluter <u>Product:</u> Reno-U <u>Color:</u> AE	Floor Tile Transition T105	Comparable Products by Prior Approval	VCE-1 (Vinyl Carpet Edge)	<u>Manufacturer:</u> Johnsonite <u>Product:</u> Varies by location, see ID sheets <u>Color:</u> Silver Grey 55 WG		Comparable Products by Prior Approval	10 26 00 WALL AND DOOR PROTECTION			
TT-2	<u>Manufacturer:</u> Schluter <u>Product:</u> DILEX-AHKA <u>Color:</u> ACOB	Tile Cove Base T105	Comparable Products by Prior Approval	09 67 00 FLUID APPLIED FLOORING			10 28 00 WALL AND DOOR PROTECTION				
TT-3	<u>Manufacturer:</u> Schluter <u>Product:</u> Edge Finishing Protection - Jolly <u>Color:</u> ACOB	Varies by Location All Tile Edge Protection T105, RM147	Comparable Products by Prior Approval	FAF-1 (Fluid Applied Flooring)	See Specifications Section		Comparable Products by Prior Approval	CG-1 (Corner Guards)	<u>Manufacturer:</u> InPro <u>Product:</u> Corner Guard 160 <u>Color:</u> TBD <u>Size:</u> 4' high, 2" wing	See ID sheets Install on top of wall base Room 152	Comparable Products by Approval
09 68 13 CARPETING			09 72 00 WALL COVERINGS								
CPT-1 (Carpet Tile)	<u>Manufacturer:</u> Milliken <u>Style Name:</u> Journal - Inscription <u>Color Name:</u> Manuscript w/ Chamomile/Plum <u>Construction:</u> Tufted, Textured Loop <u>Size:</u> 50 cm x 50 cm <u>Installation:</u> Brick	Room 152, 154, 155, 156, 159 110, 110A	Comparable Products by Prior Approval Refer to arrows on plan for install direction	WC-1 (Wallcovering)	<u>Manufacturer:</u> Koroseal <u>Product:</u> Walltalkers Tac-Wall <u>Color:</u> Suntan	See A210 and A211 Above Cubbies C108 C102	Comparable Products by Approval				
WCPT-1	<u>Manufacturer:</u> Shaw Contract <u>Style Name:</u> Portal Tile <u>Color Name:</u> Sterling <u>Construction:</u> Multi-level pattern loop <u>Size:</u> 24x24" <u>Installation:</u> Brick		Comparable Products by Prior Approval Refer to arrows on plan for install direction								

ROOF FRAMING PLAN NOTES

- ELEVATIONS REFERENCE FINISHED 1ST LEVEL SLAB WHICH HAS BEEN SET EQUAL TO 100'-0".
- ROOF DECKING SHALL BE 1 1/2" x 22GA ACOUSTIC WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 304 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 15810 WITH #10 TEK SIDELAP FASTENERS AT 18" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:
 $THICK = 0.0295$ in $I_x = 0.155$ in⁴/ft $S_x = 0.186$ in³/ft
 $F_y = 50$ KSI MIN $I_y = 0.183$ in⁴/ft $S_y = 0.192$ in³/ft
 INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- PROVIDE 8" HIGH BOND BEAM WITH (2) #5 CONTINUOUS AT AND ADJACENT TO JOIST BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE JOIST BEARING IS NOT AT COURSING, PROVIDE PARTIAL HEIGHT BLOCK GROUDED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 24".
- JOIST SUPPLIER TO PROVIDE CONTINUOUS TOP AND BOTTOM CHORD HORIZONTAL ANGLE BRIDGING AS REQUIRED. PROVIDE DIAGONAL X-BRIDGING WHERE INDICATED.
- PROVIDE ANGLE FRAME SUPPORT AT ALL ROOF OPENINGS IN ACCORDANCE WITH DETAIL 35810. REFER TO DETAIL 25810 FOR SMALLER ROOF OPENINGS.
- ALL BAR JOISTS AND JOIST GIRDERS TO BE DESIGNED FOR A NET UPLIFT LOAD OF 15 PSF IN ADDITION TO GRAVITY VERTICAL LOADS REQUIRED BY THE BAR JOIST / JOIST GIRDER DESIGNATION. IN ADDITION, SUPPLIER SHALL ALSO INCLUDE THE WEIGHT OF THE ROOFTOP UNITS SHOWN ON THIS PLAN IN THE DESIGN OF JOISTS/GIRDERS BY APPLYING THE PANEL POINT LOAD SHOWN ON THE PLAN (E.G. 1.0k) IN ADDITION TO THAT REQUIRED BY MEMBER DESIGNATION.
- AT FIRST BOTTOM CHORD PANEL POINT AT EACH END OF BAR JOIST WHERE THIS NOTE IS REFERENCED, PROVIDE CONTINUOUS HORIZONTAL BRIDGING. PROVIDE ADDITIONAL LINES OF HORIZONTAL BRIDGING ALONG LENGTH OF JOIST AS REQUIRED TO RESIST UPLIFT LOADINGS.
- PROVIDE C12 BELOW ROOFTOP UNIT CURB AND REINFORCE JOIST AS NEEDED AT CURB BEARING IN ACCORDANCE WITH DETAILS 35810 AND 45810 (TYPICAL).
- BRACE TOP OF NON-LOAD BEARING CMU WALLS IN ACCORDANCE WITH DETAILS 145810 AND 155810.
- NEW REPLACEMENT MECHANICAL AIR HANDLING UNITS (AHU) ARE ASSUMED TO BE EQUAL IN WEIGHT AS THOSE EXISTING. IF NEW UNITS ARE SIGNIFICANTLY HEAVIER THAN THE EXISTING, NOTIFY EOR FOR ANALYSIS OF FRAMING AND CONNECTIONS.

ROOF FRAMING KEY NOTES

- FIELD CUT EXISTING FLOOR JOISTS AT NEW OPENING AS REQUIRED. BEAR EXISTING JOISTS ON NEW SPF NO.11ND.2 2x4 WALL FRAMING AT 16" O.C. REFER TO DETAIL 115810.
- REDUCE CAMBER BY 1/2 AT JOISTS
- FIELD LOCATE OPENING TO PROVIDE MIN OF 8" BEARING FOR NEW STEEL LINTEL.
- NEW 1100LB RTU. NOTIFY EOR IF FINAL RTU WEIGHT IS HIGHER THAN THAT INDICATED. OPENINGS NEED TO BE COORDINATED WITH EOR.
- SET RTU ON CHANNELS OR STRUCTURAL CURB THAT SPANS OVER 2 FULL 5FT WIDE CONCRETE DOUBLE "T" ROOF FRAMING.



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 project number: 2210166

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

Revisions:

No.	Description	Date
A02	ADD2	09.23.21

Graphic Scale: **VARIES**
 Last Update: **9/23/2021 11:33:00 AM**

CONSTRUCTION DRAWINGS

S107



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Enterprises

PROJECT NUMBER : 2021082

LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION
 Project Location: 301 WEST ADAMS STREET
 LA FARGE, WISCONSIN
 Project Title: _____
 Sheet Title: _____

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:

BID DOCUMENTS

No.	Description	Date
A01	ADD1	9.20.21
A02	ADD2	9.23.21

Graphic Scale: **NONE**

Last Update: **9/23/2021 1:21:38 PM**

P001

PLUMBING GENERAL INFORMATION

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS INDICATED HERE ARE USED IN THE DRAWINGS AND MAY NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE DRAWINGS.

PIPING ABBREVIATIONS

ABS: ACRYLONITRILE BUTADIENE STYRENE	GAL: GALLON	PSIG: POUNDS PER SQUARE INCH
AC: ALTERNATING CURRENT	GCO: GRADE CLEANOUTS	PTFE: POLYTETRAFLUOROETHYLENE
ACR: AIR CONDITIONING AND REFRIGERATION	GPD: GALLONS PER DAY	PVC: POLYVINYL CHLORIDE
AIE: ARCHITECT/ENGINEER	GPM: GALLONS PER MINUTE	PVPF: POLYVINYLENE FLUORIDE
AF: ABOVE FINISH FLOOR	GPR: GAS PRESSURE REGULATOR	PT: POTABLE WATER
AFG: ABOVE FINISH GRADE	GRS: GAS REGULATOR STATION	RAD: RADIANS
AG: AIR GAP	GT: GREASE TRAP	RD: ROOF DRAIN
AI: ANALOG INPUT	H&CW: HOT AND COLD WATER	RO: REVERSE OSMOSIS
AISI: AMERICAN IRON AND STEEL INSTITUTE	HB: HOSE BIBB	RP: REVOLUTIONS PER MINUTE
AO: ANALOG OUTPUT	HDD: HIGH DENSITY POLYETHYLENE	RTD: RESISTANCE TEMPERATURE DETECTORS
ASHRAE: AMERICAN SOCIETY OF HEATING REFRIGERATION, AIR CONDITIONING ENGINEERS	HEFP: HEALTHCARE ENVIRONMENT AND FACILITIES PROGRAM (REPLACEMENT FOR OCAMES)	RTRP: REINFORCED THERMOSETTING RESIN PIPE
ASL: AMERICAN SOCIETY OF MECHANICAL ENGINEERS	HEX: HEAT EXCHANGER	SAN: SANITARY SEWER
ASPE: AMERICAN SOCIETY OF PLUMBING ENGINEERS	HG: MERCURY	SGFM: STANDARD CUBIC FEET PER MINUTE
AWG: AMERICAN WIRE GAUGE	HQA: HANDS-OFF-AUTOMATIC PLUMBING ENGINEERS	SDI: SILT DENSITY INDEX
BACNET: BUILDING AUTOMATION AND CONTROL NETWORK	HVP: HIGH VOLUME EVACUATION	SDM: STORM DRAIN MANHOLE
BAG: SILVER-COPPER-ZINC BRAZING ALLOY	HWC: HOT WATER CIRCULATING PUMP	SH: SHOWER
BAS: BUILDING AUTOMATION SYSTEM	HWR: HOT WATER RETURN	SMACNA: SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
BCUP: BRASS-COPPER-PHOSPHORUS BRAZING ALLOY	HYD: HYDRANT	SPEC: SPECIFICATION
BF: REDUCED PRESSURE BACKFLOW PREVENTER	ID: INSIDE DIAMETER	SPS: STERILE PROCESSING SERVICES
BHP: BRAKE HORSEPOWER	IE: INVERT ELEVATION	SQFT: SQUARE FEET
BTU: BRITISH THERMAL UNIT PER HOUR	INV: INVERT	STD: STANDARD
BSG: BOROSILICATE GLASS PIPE	IP: IRON PIPE SIZE	SUS: STAINLESS STEEL
C: CELSIUS	IS: JANITOR'S SINK	SWP: STEAM WORKING PRESSURE
CD: COMPACT DISK	JT: JUNCTION	TCV: TEMPERATURE CONTROL VALVE
CDA: COPPER DEVELOPMENT ASSOCIATION	KG: KILOGRAM	TD: TRENCH DRAIN
CGA: COMPRESSED GAS ASSOCIATION	KG: KILOGRAM	TDH: TOTAL DYNAMIC HEAD
CFM: CUBIC FEET PER MINUTE	KW: KILOWATT	TEFC: TOTALLY ENCLOSED FAN-COOLED MOTOR
CO: CONTRACTING OFFICERS REPRESENTATIVE	KWH: KILOWATT HOUR	TEMP: TEMPERATURE
CPVC: CHLORINATED POLYVINYL CHLORIDE	L: LAVATORY	TPE: TETRAFLUOROETHYLENE
CR: CHLOROPRENE	LB: POUND	TRM: THERMIST
CRS: CORROSION RESISTANT STEEL	LS/HR: LBS PER HOUR	THHN: THERMOPLASTIC HIGH-HEAT RESISTANT NYLON COATED WIRE
CV: CONTROL VALVE	LNG: LIQUID NATURAL GAS	THWN: THERMOPLASTIC HEAT & WATER RESISTANT NYLON COATED WIRE
CW: COLD WATER	LMIN: LITERS PER MINUTE	TMV: THERMOSTATIC MIXING VALVE
CXA: COMMISSIONING AGENT	LPS: LITERS PER SECOND	TP: TRAP PRIMER
DB: DECIBELS (A WEIGHTED)	M: METER	TTSTAT: THERMOSTAT TYPICAL
DDC: DIRECT DIGITAL CONTROL	MA: MEDICAL AIR	USDA: U.S. DEPARTMENT OF AGRICULTURE
DFU: DRAINAGE FIXTURE UNITS	MAV: MEDICAL AIR VENT	UR: URINAL
DIG: DIGITAL INPUT	MAX: MAXIMUM	V: VENT/VOLT
DI: DEIONIZED WATER	MB: MILLIBAR	VA: VETERANS ADMINISTRATION
DISS: DIAMETER INDEX SAFETY SYSTEM	MM: MILLIMETER	VA CFM: VA CONSTRUCTION & FACILITIES MANAGEMENT
DN: DOWNSTREAM NOMINAL DIGITAL OUTPUT	MIN: MINIMUM	VA CPM: VA CFM CONSULTING SUPPORT
DOE: DEPARTMENT OF ENERGY	MV: MEDICAL VACUUM	VAC: VACUUM
DVD: DIGITAL VIDEO DISC	N2: NITROGEN	VAC: VOLTAGE IN ALTERNATING CURRENT
DW: DISHWASHER	N2O: NITROGEN OXIDE	VAMC: VETERANS ADMINISTRATION
DWG: DRAWING	NC: NORMALLY CLOSED	VA TL: VETERANS HEALTH ADMINISTRATION
DWV: DRAINAGE, WASTE AND VENT	NF: NITROGEN FREE DRY (NITROGEN)	VHA: VETERANS HEALTH ADMINISTRATION
(E) EXISTING	NG: NATURAL GAS	VSD: VARIABLE SPEED DRIVE
ECC: ENGINEERING CONTROL CENTER	NO: NOT IN CONTRACT	VTR: VENT THROUGH ROOF
EL: ELEVATION	NO: NORMALLY OPEN	W: WASTE
EPA: ENVIRONMENTAL PROTECTION AGENCY	NOM: NOMINAL PIPE THREAD FEMALE	WAGD: WASTE ANESTHESIA GAS DISPOSAL
EPACT: ENERGY POLICY ACT	NPT: NOMINAL PIPE SIZE	WC: WATER CLOSET
EPM: ETHYLENE PROPYLENE MONOMER	NTS: NOT TO SCALE	WCO: WALL CLEANOUT
EPT: ETHYLENE PROPYLENE TERPOLYMER	O2: OXYGEN	WG: WATER GAUGE
ETO: ETHYLENE OXIDE	OC: ON CENTER	WH: WALL HYDRANT
F: FAHRENHEIT	OCAMES: REPLACED BY HEFP	WO: WATER OIL GAS
FAR: FEDERAL ACQUISITION REGULATIONS	OD: OUTSIDE DIAMETER	WPD: WATER PRESSURE DROP
FCO: FLOOR CLEANOUT	OR: OPERATING ROOM	WS: WASTE STACK
FD: FLOOR DRAIN	OSD: OPEN SIGHT DRAIN	WBU: WATER SUPPLY FIXTURE UNITS
FDC: FIRE DEPARTMENT (HOSE CONNECTION)	OSY: OXYGEN	YCO: YARD CLEANOUT
FNP: FEMALE NATIONAL PIPE THREAD	PA: PREFABRICATED BEDSIDE	YH: YARD HYDRANT
FOP: FUEL OIL PUMP	PBPJ: PATIENT UNITS	
FOR: FUEL OIL RETURN	PD: PRESSURE DROP OR DIFFERENCE	
FOS: FUEL OIL SUPPLY	PDI: PLUMBING AND DRAINAGE INSTITUTE	
FOV: FUEL OIL VENT	PG: PRESSURE GAUGE	
FRM: FLUOROPOLYMER POLYMER	PH: POWER OF HYDROGEN	
FS: FLOW SWITCH	PH: PROPORTIONAL-INTEGRAL-DIFFERENTIAL	
FSK: FOIL-SCRIM-KRAFT FACING	PLC: PROGRAMMABLE LOGIC CONTROLLERS	
FSS: FACILITY MANAGEMENT STANDARDS SERVICE	PP: POLYPROPYLENE	
FU: FIXTURE UNITS	PPB: PARTS PER BILLION	
	PPM: PARTS PER MILLION	
	PRV: PRESSURE REDUCING VALVE	
	PSI: POUNDS PER SQUARE INCH	
	PSIA: POUNDS PER SQUARE INCH ATMOSPHERE	

PIPING SYSTEM LABELS

WATER PIPING SYSTEMS:	GENERAL:
--- COLD WATER	--- TO BE DEMOLISHED
--- HOT WATER	--- NEW WORK
--- HOT WATER RETURN	--- EXISTING

DRAIN, WASTE AND VENT SYSTEMS:

--- SAN	--- SANITARY
--- ST	--- STORM
--- V	--- VENT
--- CWV	--- CLEARWATER WASTE
--- D	--- DRAIN
--- PD	--- PUMPED DISCHARGE
--- P	--- PROPANE
--- G	--- NATURAL GAS

DRAINS AND CLEANOUTS

⊙	FLOOR DRAIN	⊖	CLEANOUT
⊙	HUB DRAIN	⊖	FLOOR CLEANOUT
⊖	WCO	⊖	WALL CLEANOUT

PIPE VALVES AND SPECIALTIES

⊕	BALANCING VALVE	⊕	BALL VALVE
⊕	ISOLATION VALVE (NORMALLY OPEN)	⊕	BUTTERFLY VALVE
⊕	ISOLATION VALVE (NORMALLY CLOSED)	⊕	PRESSURE GAUGE
⊕	GAS PRESSURE REGULATOR	⊕	THERMOMETER

PIPE FITTINGS

⊕	FLANGE	⊕	ELBOW DOWN
⊕	UNION	⊕	ELBOW UP
⊕	ANCHOR	⊕	TEE DOWN
⊕	LINE CONTINUATION BREAK	⊕	TEE UP
⊕	FLOW ARROW	⊕	PIPE CAP
⊕	PIPELINE STRAINER	⊕	DOUBLE WYE
⊕	VENT THROUGH THE ROOF	⊕	WYE

GENERAL SYMBOLS

⊕	DETAIL REFERENCE TOP DESIGNATES DETAIL NUMBER	⊕	KEY NOTE
⊕	BOTTOM DESIGNATES SHEET NUMBER	⊕	REVISION TAG
⊕	SECTION REFERENCE TOP DESIGNATES SECTION NUMBER	⊕	POINT OF CONNECTION
⊕	BOTTOM DESIGNATES SHEET NUMBER	⊕	POINT OF DISCONNECTION

PLUMBING SPECIALTIES SCHEDULE

BFP-1	3/4" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER, ASSES LISTED 1013, EPOXY COATED CAST IRON BODY, 1/4 TURN BALL VALVES AND INDIRECT WASTE FITTING. TOP ENTRY ACCESS COVER FOR ACCESS TO INTERNALS. ACCEPTABLE MANUFACTURERS: WATTS LF009, ZURN, WADE
ET-1	THERMAL EXPANSION TANK, NON-AMSE, REMOVABLE BLADDER, 14.8 GAL., 150 PSIG RATING ACCEPTABLE MANUFACTURERS: WESSELS MODEL 12 TX
ED-1	FLOOR DRAIN, 6" DIA, NICKEL BRONZE ADJUSTABLE TOP, CAST-IRON BODY, THREADED FLASHING COLLAR, 3" OUTLET. ACCEPTABLE MANUFACTURERS: ZURN Z145B, SMITH, WADE
ED-2	FLOOR DRAIN, 9" DIA, ACID RESISTING EPOXY COATED CAST-IRON BODY AND ADJUSTABLE TOP, THREADED FLASHING COLLAR, 3" OUTLET. ACCEPTABLE MANUFACTURERS: ZURN Z550, SMITH, WADE
FCO	FLOOR CLEANOUT, ROUND, NICKEL BRONZE, ADJUSTABLE SCORIATED SECURED TOP, CAST IRON BODY AND PLUG, OUTLET SIZE SHALL MATCH PIPE SIZE. "CO" SHALL BE CAST IN TOP. ACCEPTABLE MANUFACTURERS: ZURN Z1400, SMITH, WADE
GL-1	GREASE INTERCEPTOR, 20 GPM FLOW RATING, 40 LBS GREASE CAPACITY PER PDI. ACCEPTABLE MANUFACTURERS: MIFAB LIL-20, SCHIER, ROCKFORD
GR-1	GAS PRESSURE REGULATOR, 2 PSIG INLET PRESSURE, 7"-14" W.C. (1/2 PSIG) OUTLET PRESSURE. VENT EACH REGULATOR TO THE BUILDING EXTERIOR. REFER TO PLUMBING AND MECHANICAL SCHEDULES FOR REQUIREMENTS. ACCEPTABLE MANUFACTURERS: FISHER HSR, ITRON, SENSUS, MAXITROL
HB-1	HUB DRAIN, 1/2" DIA, COATED CAST-IRON BODY, ROUGH BRASS FINISH, WALL CLAMP, 3/4" MALE HOSE THREAD, ROUND METAL HANDLE OPERATOR. ACCEPTABLE MANUFACTURERS: WOODFORD 24, ZURN, WADE
RD-1	ROOF DRAIN, 15" DIA, COATED CAST-IRON BODY WITH MEMBRANE FLASHING CLAMP AND LOW SILHOUETTE POLY DOME. REFER TO DRAWINGS FOR OUTLET SIZE. ACCEPTABLE MANUFACTURERS: ZURN Z100, SMITH, WADE
RD-2	SECONDARY ROOF DRAIN, 15" DIA, COATED CAST-IRON BODY WITH MEMBRANE FLASHING CLAMP AND LOW SILHOUETTE POLY DOME, 2" INTEGRAL WATER DAM. REFER TO DRAWINGS FOR OUTLET SIZE. ACCEPTABLE MANUFACTURERS: ZURN Z100, SMITH, WADE
DN-1	DOWNSPOUT NOZZLE, NICKEL BRONZE BODY, WALL FLANGE AND OUTLET NOZZLE. REFER TO DRAWINGS FOR INLET SIZE. ACCEPTABLE MANUFACTURERS: ZURN Z100, SMITH, WADE
WH-1	WALL HYDRANT, FREEZELESS, AUTODRAINING, VACUUM BREAKER, BRASS BODY, CHROME PLATED FACE, WALL CLAMP, 3/4" MALE HOSE THREAD, LOOSE-KEY OPERATOR. ACCEPTABLE MANUFACTURERS: WOODFORD 65, ZURN, WADE
WCO	WALL CLEANOUT, BODY AND PLUG SHALL BE OF SAME MATERIAL AS PIPE WITH ROUND STAINLESS STEEL COVER. 1/2" DIA. CENTER SCREW IN TO COVER. ACCEPTABLE MANUFACTURERS: ZURN Z1446, SMITH, WADE

PLUMBING EQUIPMENT SCHEDULE

AC-1	AIR COMPRESSOR, PRESSURE LUBRICATED TWO-STAGE, 460 VOLT / 3 PHASE, 1.5 HP, SOLID CAST IRON BELT DRIVEN PUMP, MAGNETIC STARTER, 80 GALLON STORAGE, OIL SIGHT GLASS, 175 PSI MIN, 22.5 CFM, 3/4" TANK OUTLET, VERTICAL TANK ARRANGEMENT. ACCEPTABLE MANUFACTURERS: QUINCY MODEL OP -7.5 PRO AIR, KAISER
CE-1	CIRCULATING PUMP, 2 CFM @ 10' OF HEAD @ 1 HP, 115 V, 0.35 AMPS WITH 3-0" POWER CORD. ACCEPTABLE MANUFACTURERS: GBUINDEOS ALPHA 25-50 130, BELL & GOSSETT
GW-H-1	GAS-FIRED WATER HEATER, TANKLESS STYLE, 180 MBH INPUT, HIGH-EFFICIENCY CONDENSING, 8.0 MAX. GPM, SPARK IGNITION SYSTEM, MICROPROCESSOR CONTROLS, 115 VOLT / 1 PH POWER. ACCEPTABLE MANUFACTURERS: AO SMITH A11-340H, STATE, BRADLEY-WHITE
SE-1	SEWAGE EJECTOR, DUPLEX, TWO SUBMERSIBLE GRINDER 1 HP PUMPS WITH 56 GPM CAPACITY AT 10 FEET OF HEAD, 2" PUMP OUTLET, 460 VOLT / 3-PHASE 1750 RPM MOTORS, AIR FILLED HERMETICALLY SEALED STAINLESS STEEL SHAFT, CAST IRON MOTOR SHAFT, CLASS F INSULATION, 20 FT LONG POWER CABLE, SEALED LID WITH GASKET, REMOTE CONTROL / ANNUNCIATOR PANEL, PUMPS SHALL BE CONTROLLED BY MINIMUM LEVEL FLOAT, LEAD PUMP FLOAT, LAG PUMP FLOAT AND ALARM LEVEL FLOAT. 36" DIAMETER SUMP, 48" DEEP WITH SEALED LID. ACCEPTABLE MANUFACTURERS: WEIL, LIBERTY, ZOELLER
SP-1	SUMP PUMP, SIMPLEX, 30 GPM @ 15 FT HEAD, 115 VOLTS, 2.3 FLA, 4.1 LRA, 2 POLE, 3450 RPM, OIL-MINDER SYSTEM WITH NEMA 4 WATER TIGHT ENCLOSURE, STAINLESS STEEL SENSOR PROBES, SINGLE DIRECT-PLUG-IN POWER, EQUIPPED WITH LEVEL SENSORS/FLOATS TO INCLUDE LOW LEVEL CUT OFF AND HIGH LEVEL ALARM. SOLID STATE PANEL CONTROL WITH REMOTE MONITORING CIRCUIT FOR OIL, HIGH LIQUID, AND HIGH AMPERAGE CONDITIONS, LED INDICATOR LIGHTS FOR OIL SPILL, POWER, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. INCLUDE 30" x 30" x 24" DEEP SUMP. ACCEPTABLE MANUFACTURERS: WEIL, LIBERTY, ZOELLER

GENERAL NOTES

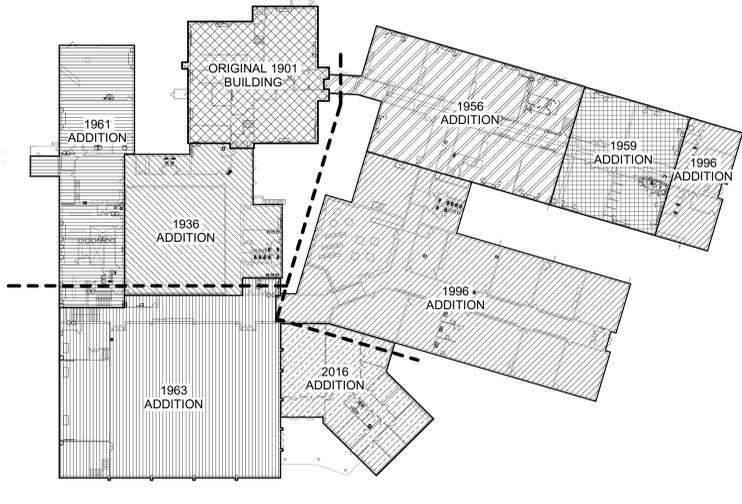
- CONFORM TO ALL REQUIREMENTS OF THE CURRENT CODES AND OTHER APPLICABLE REGULATIONS FOR THE PROJECT.
- CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO BID AND CONSTRUCTION.
- COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCE AND DELAYS.
- PROVIDE ACCESS PANELS FOR ALL ITEMS UNDER THIS SECTION REQUIRING SERVICING, INSPECTION, MAINTENANCE AND ADJUSTMENT.
- OMISSIONS: IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO PROVIDE A COMPLETE INSTALLATION. SHOULD THERE BE OMISSIONS, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE A/E TO SUCH OMISSIONS.
- THE INSTALLATION SHALL CONFORM TO THE LATEST APPLICABLE INDUSTRY STANDARDS UNLESS SPECIFICALLY NOTED OTHERWISE.
- ADDITIONAL WORK: THE DESIGN IS BASED ON EQUIPMENT AS DESCRIBED IN THE DRAWINGS. ANY CHANGE IN ELECTRICAL, WIRING, CONDUIT, CONNECTIONS, PIPING, CONTROLS, AND OPENINGS REQUIRED BY ALTERNATE EQUIPMENT SPECIFIED AND SUBMITTED AND APPROVED SHALL BE PAID FOR BY THIS CONTRACTOR.
- PRODUCT DELIVERY, STORAGE AND HANDLING: FURNISH NEW FIXTURES, MATERIALS AND ACCESSORIES BEARING THE MANUFACTURER'S IDENTIFICATION. COORDINATE DELIVERIES TO AVOID INTERFERENCE OF CONSTRUCTION AND DELAYS. PROTECT PRODUCTS DURING DELIVERY, STORAGE, INSTALLATION, AND THE REMAINDER OF THE CONSTRUCTION PERIOD AFTER INSTALLATION.
- PREPARATION: VISIT THE WORK SITE AND BECOME FULLY AWARE OF ALL EXISTING CONDITIONS. INVESTIGATE THE CONTRACT DOCUMENTS AND MAKE PROPER PROVISIONS TO AVOID INTERFERENCE OR CONSTRUCTION DELAYS. FURNISH OTHER TRADES WITH INFORMATION TO PROPERLY LOCATE AND SIZE OPENINGS IN THE STRUCTURE REQUIRED FOR THIS WORK. FURNISH ANCHOR BOLTS, SLEEVES, INSERTS AND SUPPORT REQUIRED FOR THIS WORK.
- INSTALLATION: PERFORM WORK USING PERSONNEL SKILLED IN THE TRADE INVOLVED. PROVIDE COMPETENT SUPERVISION. FURNISH NEW MATERIALS, AND ACCESSORIES BEARING THE MANUFACTURER'S IDENTIFICATION, AND CONFORMING TO THE RECOGNIZED COMMERCIAL STANDARDS.
- FIELD QUALITY CONTROL: TEST SYSTEMS IN ACCORDANCE WITH APPLICABLE STANDARDS, CODES AND MANUFACTURER'S RECOMMENDATIONS. PERFORM TESTS IN THE PRESENCE OF GOVERNMENT REPRESENTATIVE.
- CLEANING AND ADJUSTING: AT THE COMPLETION OF THE WORK, ALL PARTS OF THE INSTALLATION SHALL BE THOROUGHLY CLEANED. PIPE, VALVES, AND FITTINGS SHALL BE CLEANSED OF GREASE, METAL CUTTINGS, AND SLUDGE THAT MAY HAVE ACCUMULATED BY OPERATION OF THE SYSTEM FOR TESTING ANY STORAGE OR DISCOLORATION OR OTHER DAMAGE TO PARTS OF THE BUILDING, ITS FINISH, OR FURNISHINGS. FAILURE TO PROPERLY CLEAN THE PIPING SYSTEM DUE TO THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT COST TO THE OWNER.

WATER HAMMER ARRESTORS

NOMINAL PIPE DIAMETER IN.	NOMINAL PIPE DIAMETER MM	FIXTURE UNITS	REF. WH201 BEND STANDARD
1/2"	15	1-11	A
3/4"	20	12-32	B
1"	25	33-60	C
1 1/4"	32	61-113	D
1 1/2"	40	114-154	E
2"	50	155-330	F

WATER SYSTEM CALCULATION (PLUMBING FIXTURES)

BUILDING DEMAND	139	GPM	
MINIMUM STATIC PRESSURE AT STREET	60	PSIG	
ELEVATION DIFFERENCE BETWEEN SERVICE CONNECTION AND CRITICAL FIXTURE	-4	PSIG	
PRESSURE DROP IN 70' OF 3" PIPE	-1	PSIG	
PRESSURE DROP OF THE FOLLOWING COMPONENTS			
WATER SOFTENER	-15	PSIG	
WATER METER	-2	PSIG	
BACKFLOW PREVENTER	-5	PSIG	
MINIMUM PRESSURE AT CRITICAL FIXTURE	-15	PSIG	
AVAILABLE PRESSURE	18	PSIG	
DEVELOPED LENGTH OF SYSTEM FROM SERVICE TO CRITICAL FIXTURE (630 FT x 1.5)	945	FT	
	1.9	PSIG/100FT	



3 BUILDING KEY
1" = 40'-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.
- ④ **PLUMBING DEMOLITION PLAN KEYNOTES**
1. REMOVE PLUMBING FIXTURES AND ALL ASSOCIATED UNDERFLOOR PIPING (SAN, CW, HW).
2. REMOVE ELECTRIC WATER HEATER AND HW PIPING TO POINT SHOWN.
3. REMOVE ABANDONED WATER CLOSET ROUGH-IN.
4. REMOVE SHOWER AND ALL ASSOCIATED PIPING.
5. REMOVE ELECTRIC WATER HEATER AND ALL ASSOCIATED PIPING.
6. PIPING SHOWN ROUTED IN EXISTING TUNNEL.
7. EXISTING TUNNEL ACCESS HATCH.
8. EXISTING 2" WATER SERVICE TO BE REMOVED. REFER TO CIVIL PLANS.
9. EXISTING WATER PIPING BELOW FLOOR TO BE ABANDONED IN PLACE.
10. EXISTING EWC TO BE REMOVED FOR PIPING REPLACEMENT. EWC TO BE REINSTALLED.
11. ALTERNATE BID: REMOVE SINK FOR REPLACEMENT. BASE BID: NO WORK.
12. ABANDON SAN/CW/HW PIPING BELOW FLOOR IN PLACE.
13. REMOVE ABANDONED ABOVE FLOOR ROUGH-IN PIPING TO BELOW FLOOR AND CAP. G.C. TO PATCH FLOOR.
14. EXISTING VTR TO REMAIN FOR CONNECTION TO NEW.
15. EXISTING GAS PIPING SERVING LAB TABLES TO REMAIN.
16. DISCONNECT GAS PIPING TO FURNACE BEING REPLACED. EXISTING PRESSURE REGULATOR TO REMAIN.



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Consultant:
ONEIDA
Total Integrated
Enterprises

PROJECT NUMBER : 2021082

**LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

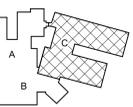
FIRST FLOOR PLUMBING DEMO PLAN - SEG C

Project Title:
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
A02	ADD2	9.23.21

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

Last Update:
9/23/2021 1:21:46 PM

P093

1 FIRST FLOOR PLUMBING DEMO PLAN - SEG C

1/8" = 1'-0"



GENERAL NOTES: PLUMBING

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

PLUMBING PLAN KEYNOTES

- EXISTING SAN BELOW FLOOR ABANDONED IN PLACE
- NEW 4" SAN CONNECTION TO EXISTING PIPE UP SERVING WATER CLOSET ABOVE.
- NEW 2" SAN CONNECTION TO EXISTING PIPE SERVING URINAL ABOVE.
- NEW 2" SAN CONNECTION TO EXISTING PIPE SERVING LAVATORY AND DRINKING FOUNTAIN ABOVE.
- NEW 1 1/4" CW AND 1/2" HW CONNECTION TO EXISTING PIPING SERVING FIXTURES ABOVE.
- NEW 1 1/2" SAN CONNECTION TO EXISTING PIPING SERVING LAVATORY ABOVE.
- NEW 2" SAN TRAP AND CONNECTION TO EXISTING FLOOR DRAIN.
- NEW 1 1/2" V CONNECTION TO EXISTING PIPE UP.
- NEW 2" SAN CONNECTION TO EXISTING PIPING SERVING FIXTURES ABOVE.
- NEW 4" SAN CONNECTION TO EXISTING WATER CLOSET ABOVE.
- NEW 3" TRAP AND CONNECTION TO EXISTING FLOOR DRAIN ABOVE.
- EXTEND 3/4" CW TO HEATING SYSTEM AND CHILLED WATER SYSTEM FEEDER UNITS.
- NEW 2" CW, 2" HW, AND 3/4" HWR CONNECTIONS TO EXISTING PIPING UP.
- NEW 3/4" CW AND 3/4" HW CONNECTION TO EXISTING PIPING UP SERVING SHOWER ABOVE.
- 1" CW AND 1" HW DOWN TO SERVE BOTH SINKS. 1/2" CW, 1/2" HW TO SK-1 AND 3/4" CW AND 3/4" HW TO SK-3.
- 2 1/2" G (2PSIG) UP TO ROOF. SEE SHEET P105 FOR CONTINUATION.
- 1" G TO MAIN.
- 1 1/2" G DN TO BOILER GAS TRAIN.
- 3/4" G DN SURFACE MOUNTED TO GAS CORK. INSTALLED APPLIANCE CONNECTION.
- SET BALANCE VALVE TO 0.5 GPM 6PM
- 3/4" HW DOWN TO (2) HB-1. CONNECT EXISTING CLOTHES WASHER HOSES.
- 3/4" CW DOWN TO (2) HB-1. CONNECT EXISTING CLOTHES WASHER HOSES.
- NEW 1/2" CW TO EXISTING PIPING SERVING ICE MACHINE.
- NEW SS-1. EXTEND 3/4" CW, 3/4" HW SURFACE MOUNTED TO FIXTURE. MODIFY EXISTING SAN ROUGH-IN TO ACCOMMODATE.



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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

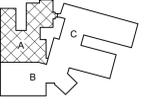
Sheet Title:
LOWER LEVEL PLUMBING PLAN - SEG A

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



KEY PLAN

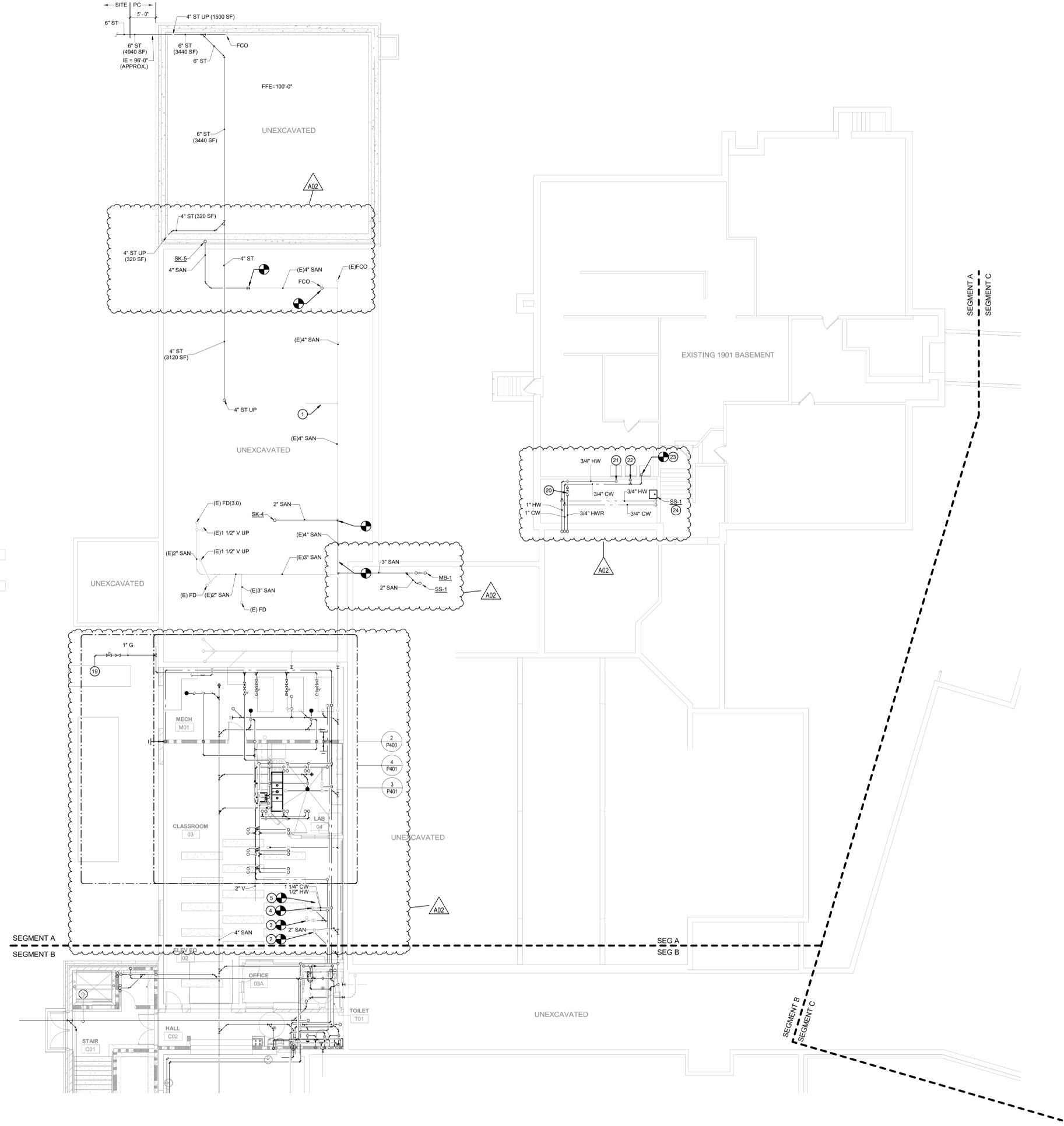
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No.	Description	Date
A02	ADD2	9.23.21

Graphic Scale:
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Last Update:
9/23/2021 1:49:02 PM

P100



GENERAL NOTES: PLUMBING

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

PLUMBING PLAN KEYNOTES

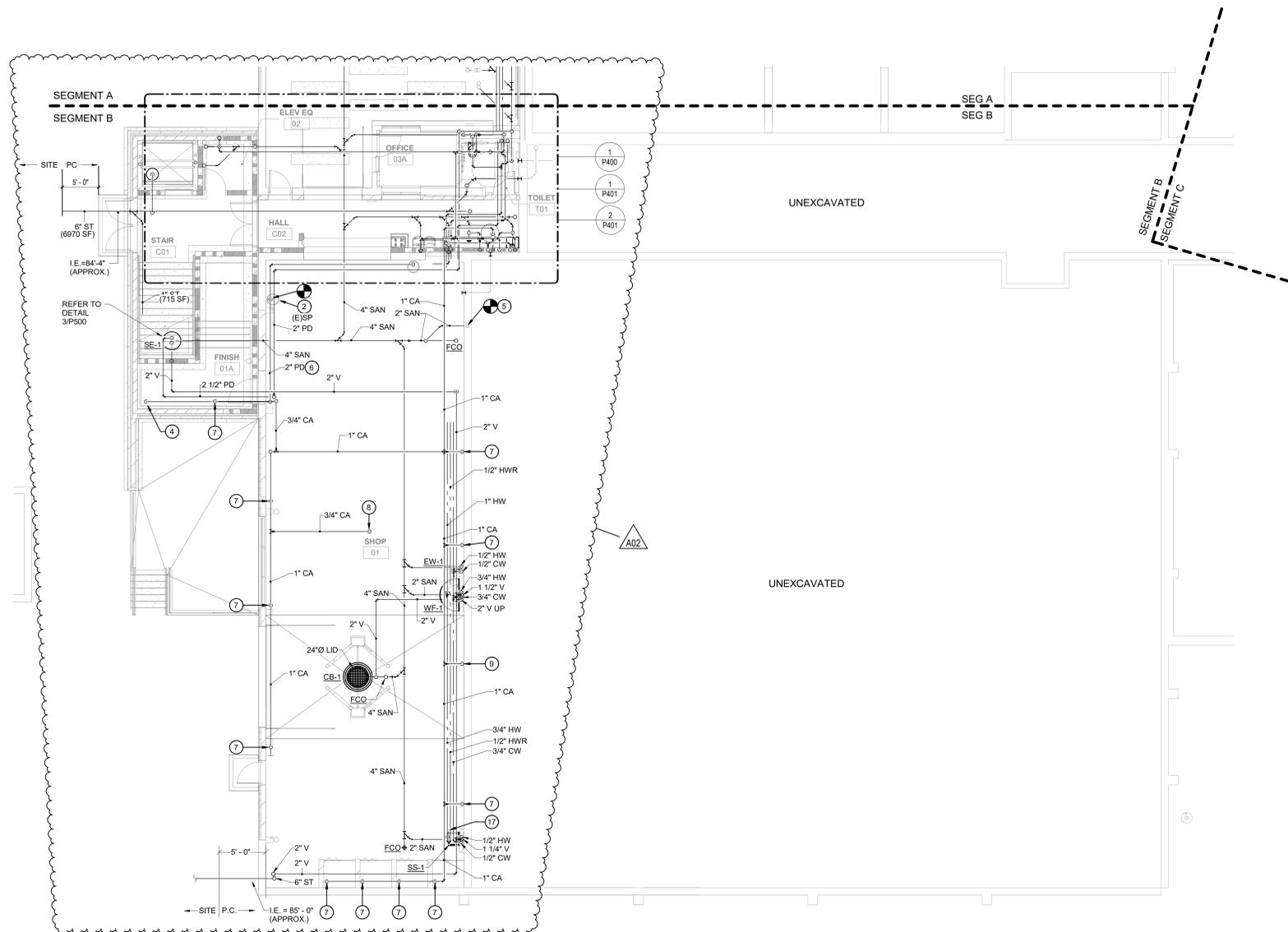
- 1" G (2PSIG) UP TO ROOF. REFER TO SHEET P106 FOR CONTINUATION.
- EXISTING FOUNDATION DRAINAGE SUMP/PUMP. EXTEND NEW 2" PD PUMP FROM EXISTING PUMP TO POINT SHOWN REFER TO DETAIL 3/P500.
- 4" ST UP IN SHAFT ABOVE.
- 4" ST UP IN NEW STAIR TO ROOF.
- NEW 2" SAN CONNECTION TO EXISTING SAN PIPE UP SERVING EXISTING WATER COOLER IN GYM.
- INSTALL NEW 2" PD AS HIGH AS POSSIBLE.
- 1/2" CA DOWN TO QUICK DISCONNECT FITTING. VERIFY LOCATION WITH OWNER.
- PROVIDE NEW HOSE REEL WITH 30'-0" HOSE.
- INSTALL EXISTING HOSE REEL REMOVED FROM EXISTING AUTO SHOP.
- EXISTING 6" ST UP.
- 3" SAN UP TO MOP BASIN.
- 2" SAN UP TO SERVICE SINK.
- 1 1/2" V UP.
- PIPING TO BE INSTALLED ABOVE RATED CEILING.
- 1 1/2" V DN AND 2" V UP.
- 3/4" CW, 3/4" HW UP TO SERVE MB AND SS ABOVE PIPING TO BE ROUTED ABOVE RATED CEILING.
- SET BALANCE VALVE TO 0.5 GPM.
- NEW 1/2" CW CONNECTION TO EXISTING PIPING SERVING DRINKING FOUNTAIN IN GYM.



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PROJECT NUMBER : 2021082



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



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

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

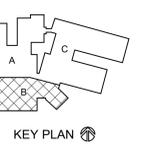
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Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



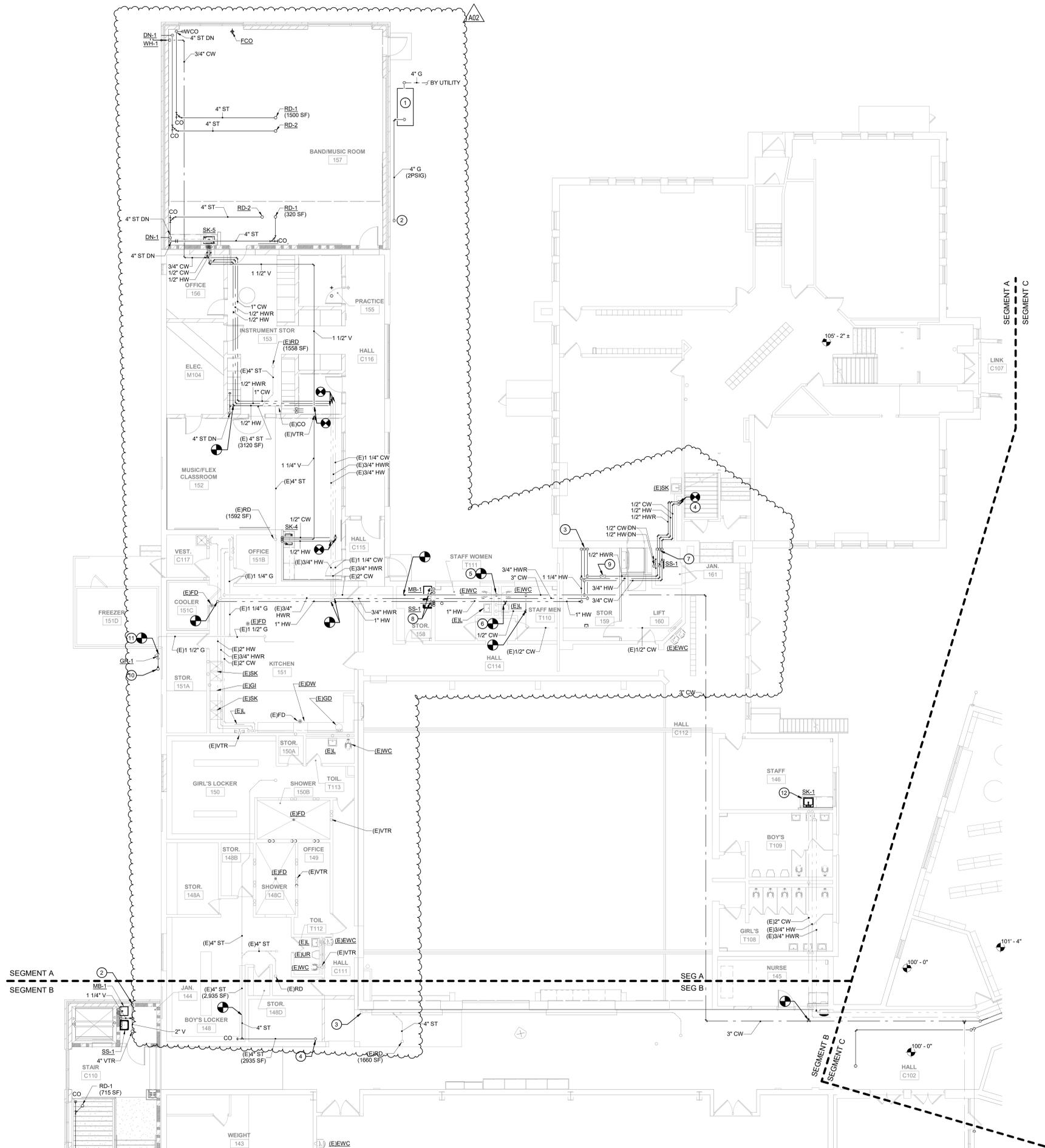
BID DOCUMENTS

No.	Description	Date
A02	ADD2	9.23.21

Graphic Scale: 0' 4' 8' 16' 24'

Last Update: **9/23/2021 1:21:49 PM**

P101



1 FIRST FLOOR PLUMBING 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 PLAN KEYNOTES

1. NEW GAS SERVICE, 9,650 CFH WITH 2 PSIG DISCHARGE PRESSURE SERVICE METER, REGULATOR AND PIPING UPSTREAM OF THE METER SET IS BY THE UTILITY.
2. 4" G (2 PSIG) UP TO THE ROOF. REFER TO SHEET P105 FOR CONTINUATION.
3. 1" CW, 1" HW, AND 3/4" HWR PIPING DOWN TO SERVE FIXTURE IN THE 1901 BLDG BASEMENT. REFER TO SHEET P100 FOR CONTINUATION.
4. 1/2" NEW CW, 1/2" HW CONNECTIONS TO EXISTING SINK ROUGH-IN.
5. NEW 1 1/4" CW CONNECTION TO EXISTING PIPING SERVING THE EXISTING WATER CLOSETS.
6. NEW 1/2" HW CONNECTION TO PIPING SERVING THE EXISTING LAVATORIES.
7. 1/2" CW, 1/2" HW, 1/2" HWR DOWN TO SERVE EXISTING SINK IN CLASSROOM.
8. 3/4" CW, 3/4" HW DN TO SERVE NEW MB AND SS. PIPING SHALL BE EXPOSED IN ROOM.
9. SET BALANCE VALVE AT 0.5 GPM.
10. 2 1/2" (2 PSIG) G UP AND DN.
11. NEW 1 1/2" G (2 PSIG) CONNECTION TO EXISTING G PIPE SERVING KITCHEN. INSTALL CL-1 TO CUT PRESSURE TO 1/2 PSIG. CONNECTED LOAD IS 1168 CFH.
12. NEW SINK. MODIFY EXISTING ROUGH-INS TO ACCOMMODATE.



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Consultant:
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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

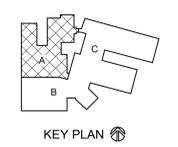
Sheet Title:
FIRST FLOOR PLUMBING PLAN - SEG A

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



BID DOCUMENTS

No.	Description	Date
A02	ADD2	9.23.21

Graphic Scale:
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Last Update:
9/23/2021 1:51:28 PM

P102

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.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN



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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

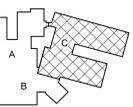
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FIRST FLOOR PLUMBING PLAN - SEG C

HSR Project Number:
19041-1

Project Date:
SEPTEMBER 2021

Drawn By:
OTIE

Key Plan:



KEY PLAN

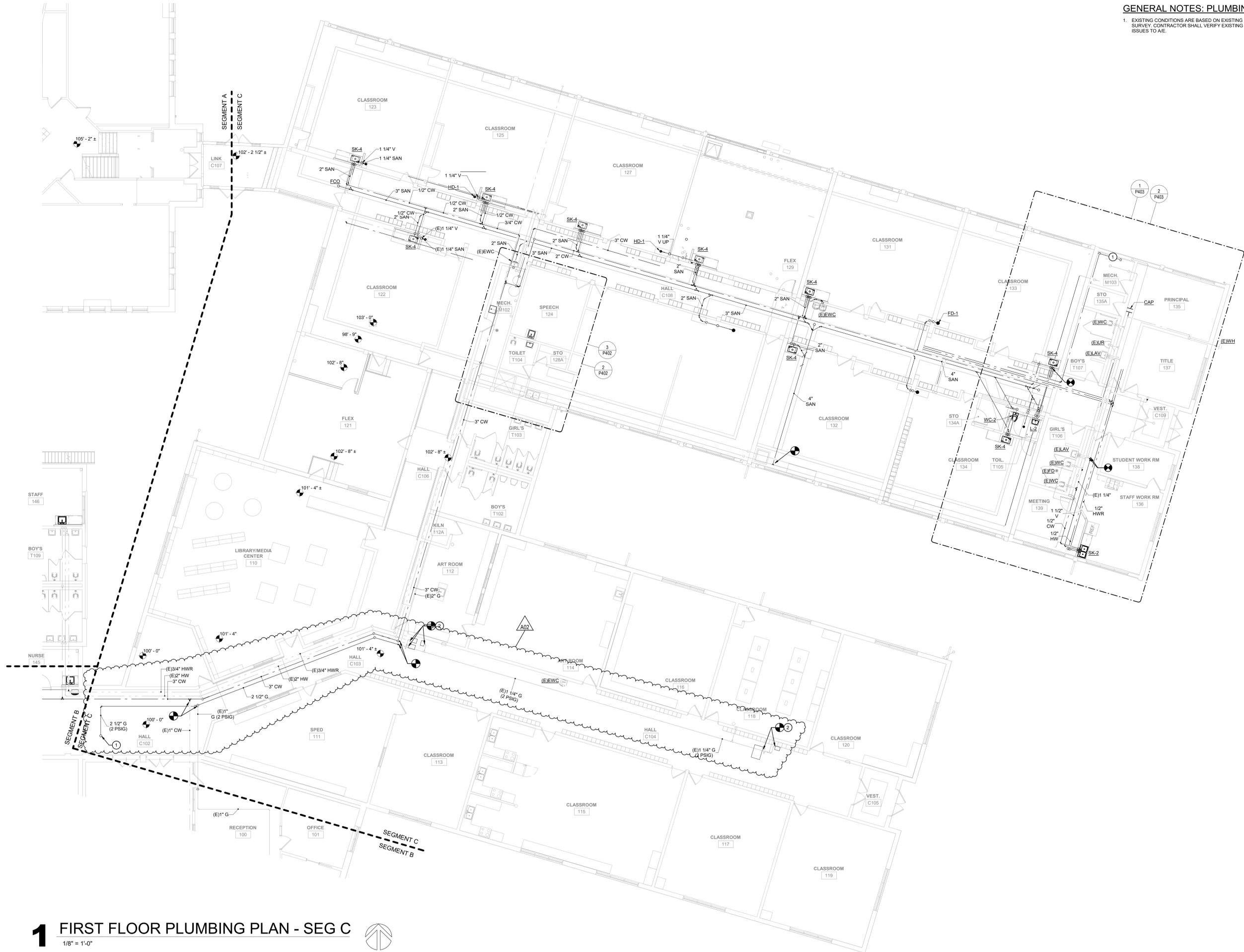
BID DOCUMENTS

No.	Description	Date
A02	ADD2	9.23.21

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P104



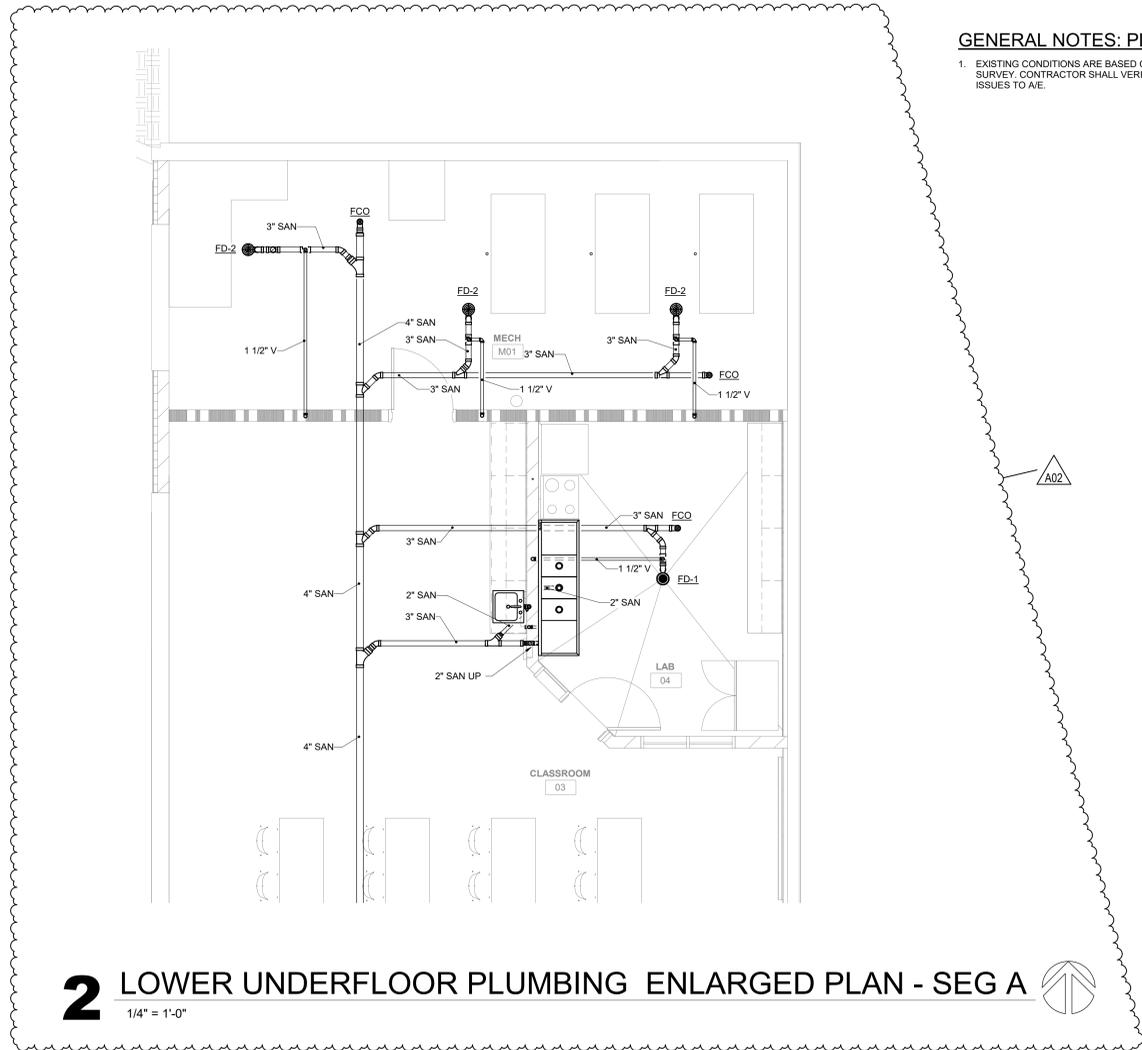
1 FIRST FLOOR PLUMBING PLAN - SEG C

1/8" = 1'-0"



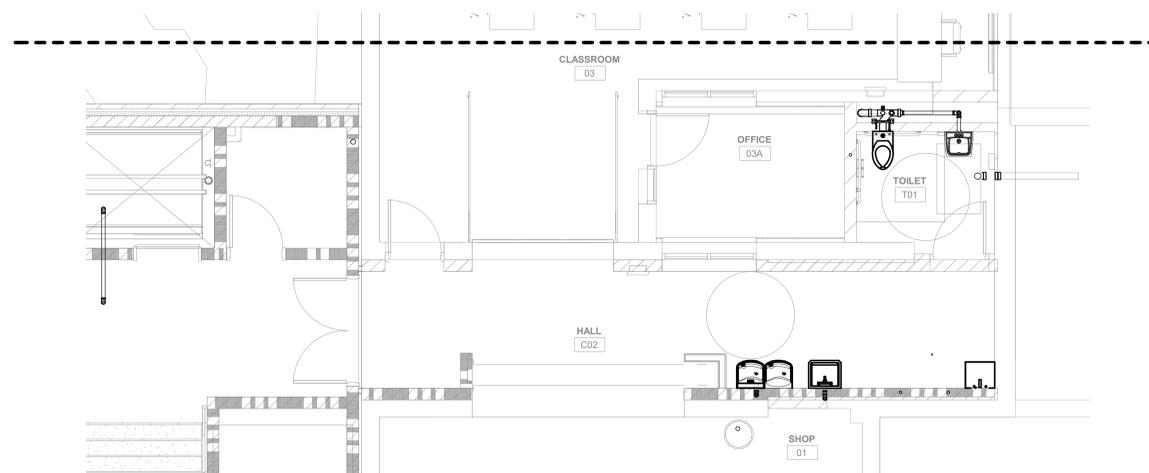
GENERAL NOTES: PLUMBING

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



2 LOWER UNDERFLOOR PLUMBING ENLARGED PLAN - SEG A 

1/4" = 1'-0"



1 LOWER UNDERFLOOR PLUMBING ENLARGED PLAN - SEG B 

1/4" = 1'-0"



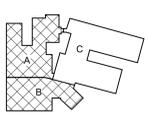
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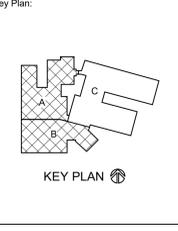
Consultant:
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PROJECT NUMBER : 2021082

Project Title: **LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**
Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**
Sheet Title: **PLUMBING ENLARGED PLANS**

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

Key Plan:

KEY PLAN 



BID DOCUMENTS

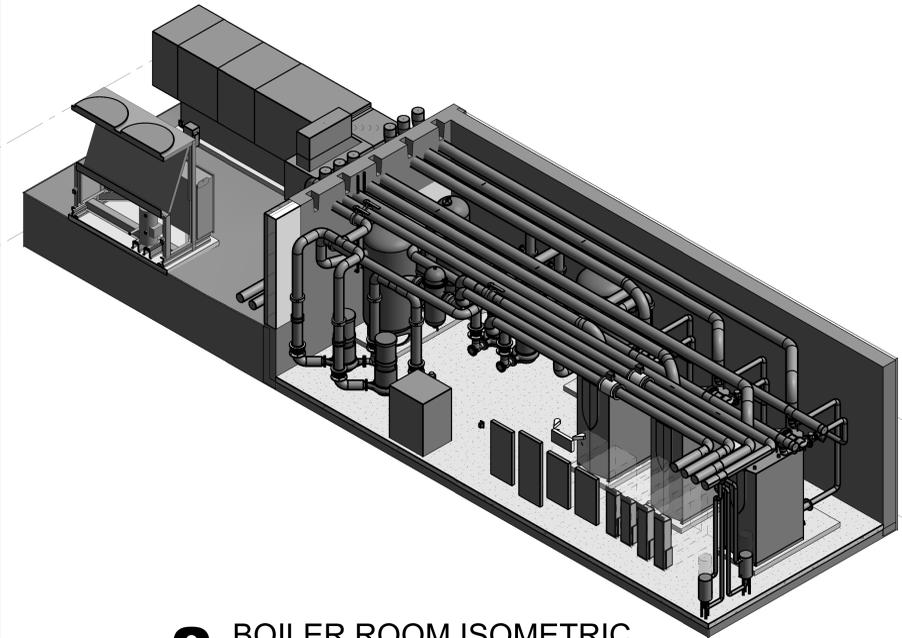
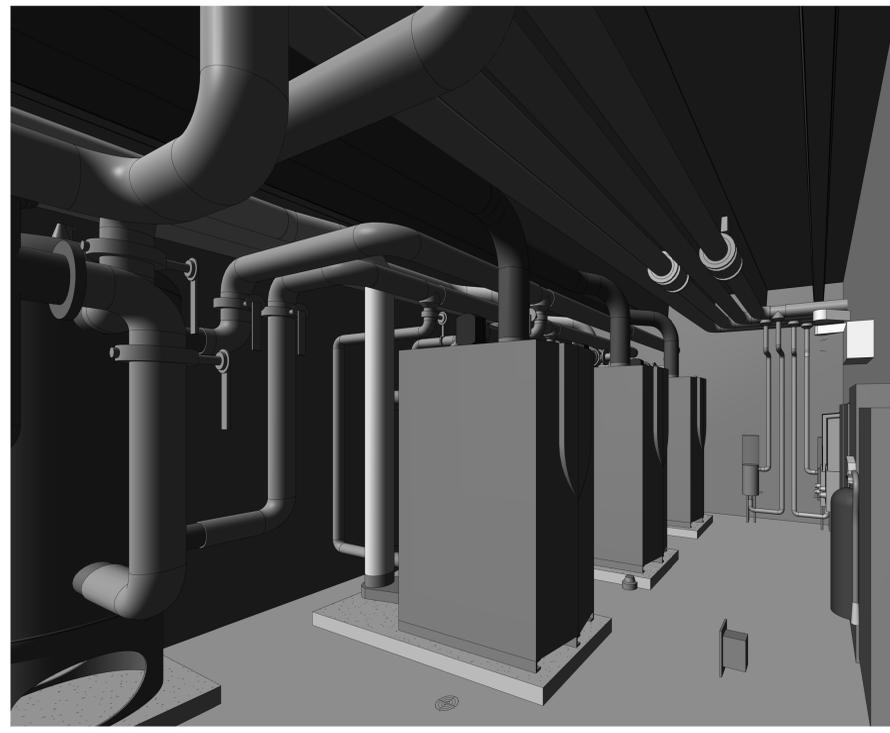
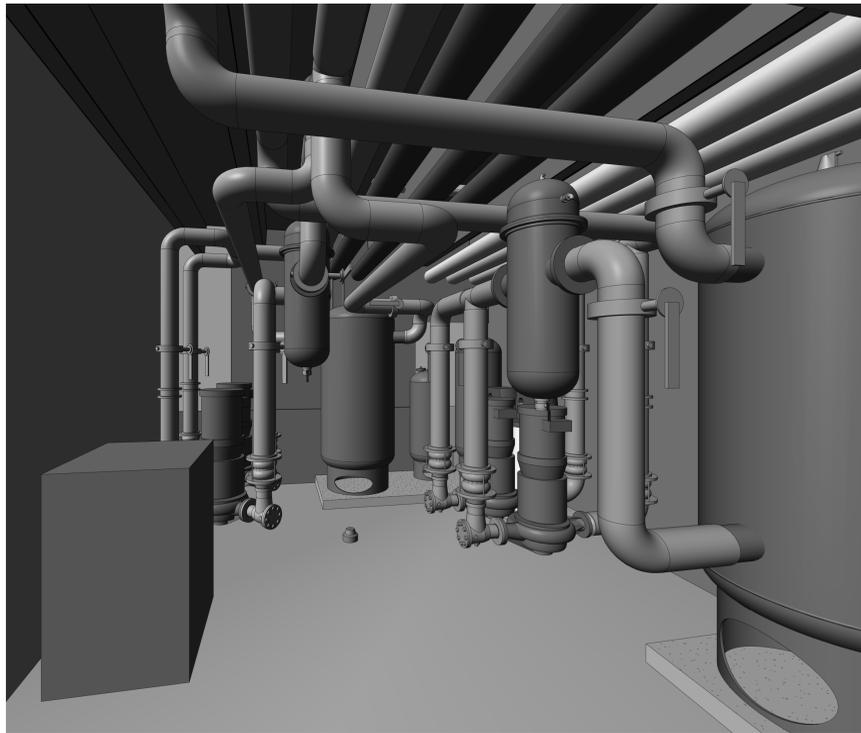
Revisions:

No.	Description	Date
A02	ADD2	9.23.21

Graphic Scale: **VARIES**

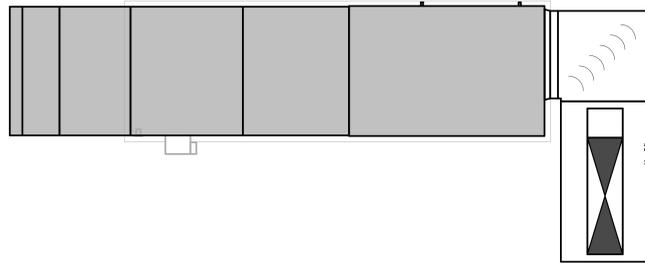
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P400



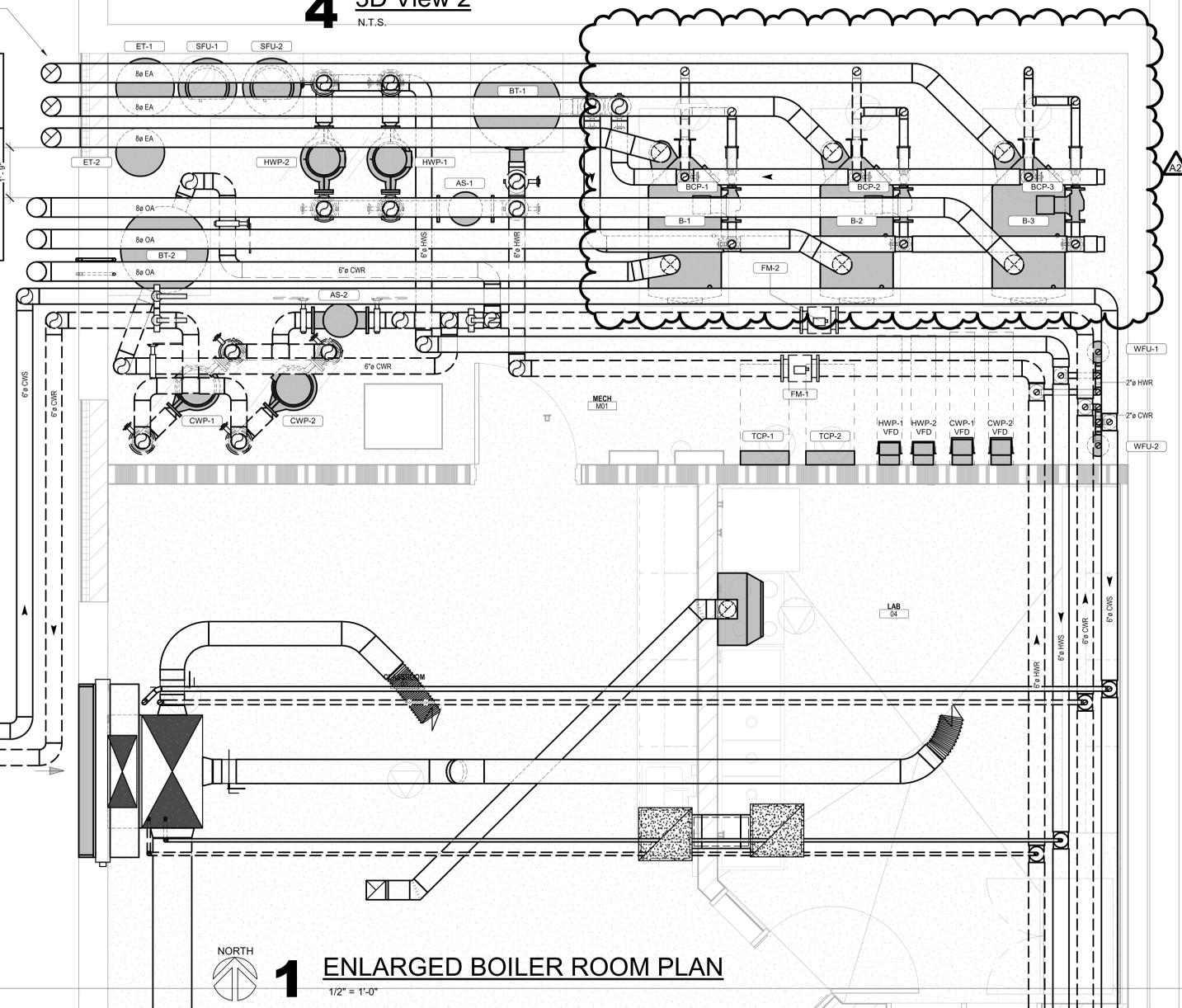
2 BOILER ROOM ISOMETRIC
N.T.S.

3 3D View 1
N.T.S.

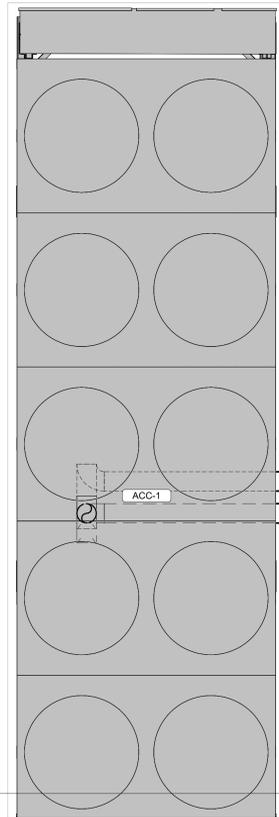


RISE BOILER VENTS UP SIDE WALL 12'-0" ABOVE GRADE AND DISCHARGE WITH 90 DEGREE AWAY FROM BUILDING WITH BIRD SCREEN

4 3D View 2
N.T.S.



1 ENLARGED BOILER ROOM PLAN
1/2" = 1'-0"



1
M300



Consultant:

1 BSMF
98'-2"

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

Project Title: **LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION**
Project Location: **301 WEST ADAMS STREET
LA FARGE, WISCONSIN**
Sheet Title: **ENLARGED PLANS**

HSR Project Number: **19041-1**

Project Date: **AUGUST 2021**

Drawn By: **JB/SK**

Key Plan:

**BID
DOCUMENTS**

No.	Description	Date
A2	Addendum #2	09/23/2021

Graphic Scale: **VARIES**

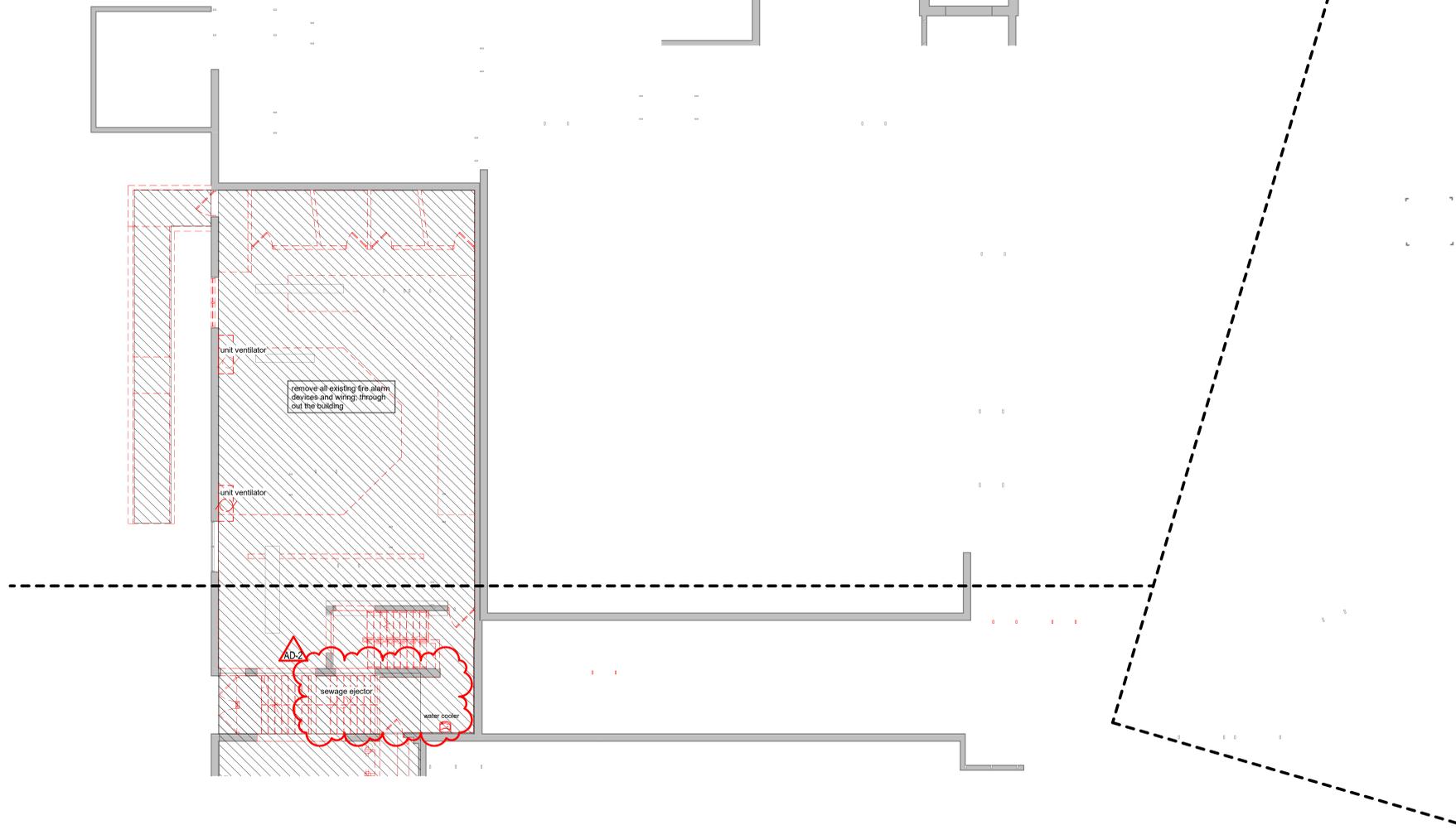
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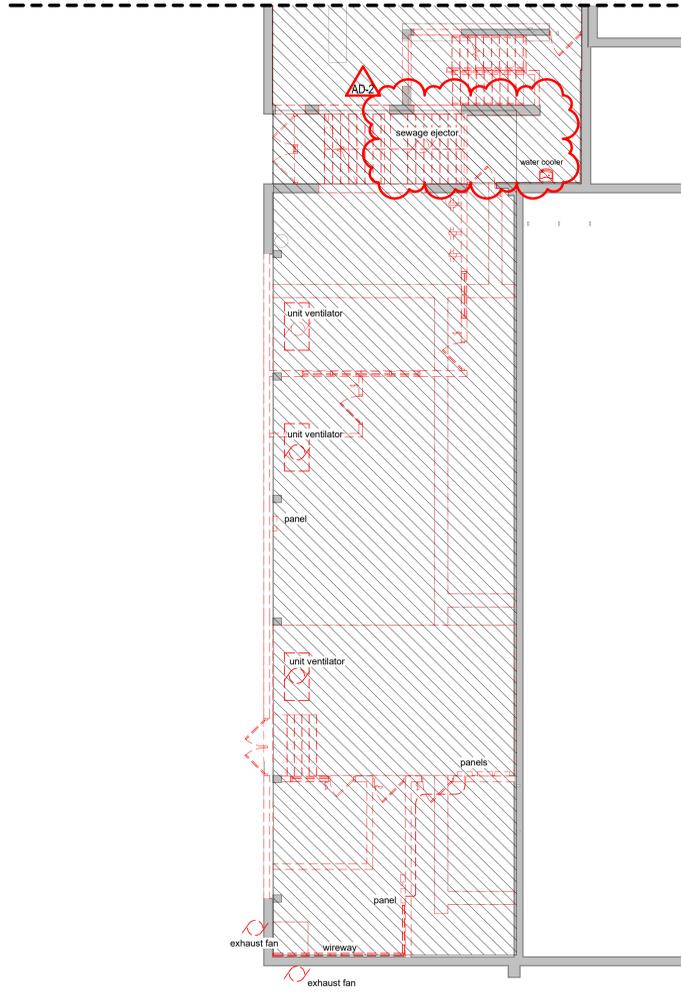
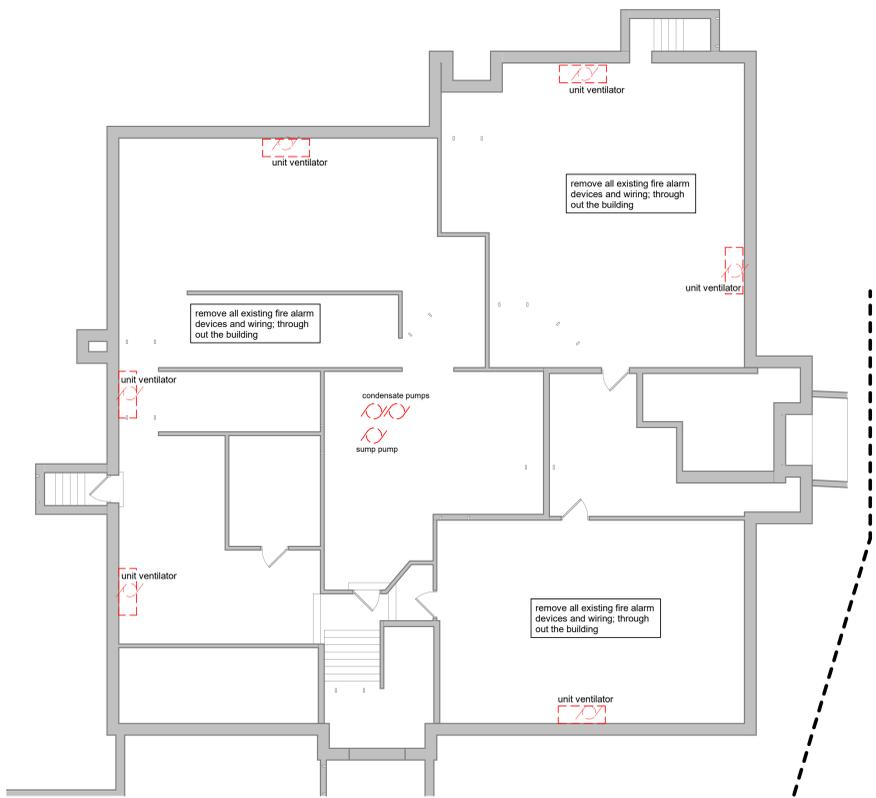
GENERAL NOTES : REMOVAL	
A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILINGS AND INCLUDE ALL DEVICES FOR REMOVAL.
C	MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES 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		
⊞	SWITCH - SINGLE POLE	⊞	CALL-IN SWITCH		
⊞	3 - 3-WAY SWITCH	⊞	GROUND CONNECTION		
⊞	4 - 4-WAY SWITCH	⊞	LEG TO PANEL		
⊞	OS - WALL SWITCH OCCUPANCY SENSOR*	⊞	NOTE NUMBER (REMOVAL)		
⊞	VS - WALL SWITCH VACANCY SENSOR*	⊞	NOTE NUMBER (REMODEL)		
⊞	D - DIMMER*	⊞	EXISTING DEVICE.		
⊞	STANDARD SINGLE RECEPTACLE *				
⊞	STANDARD DUPLEX RECEPTACLE *				
⊞	*GFI GROUND FAULT INTERRUPTING				
⊞	*WP WEATHERPROOF COVER				
⊞	*WR WEATHER RESISTANT				
⊞	*USB USB CHARGING				
⊞	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:

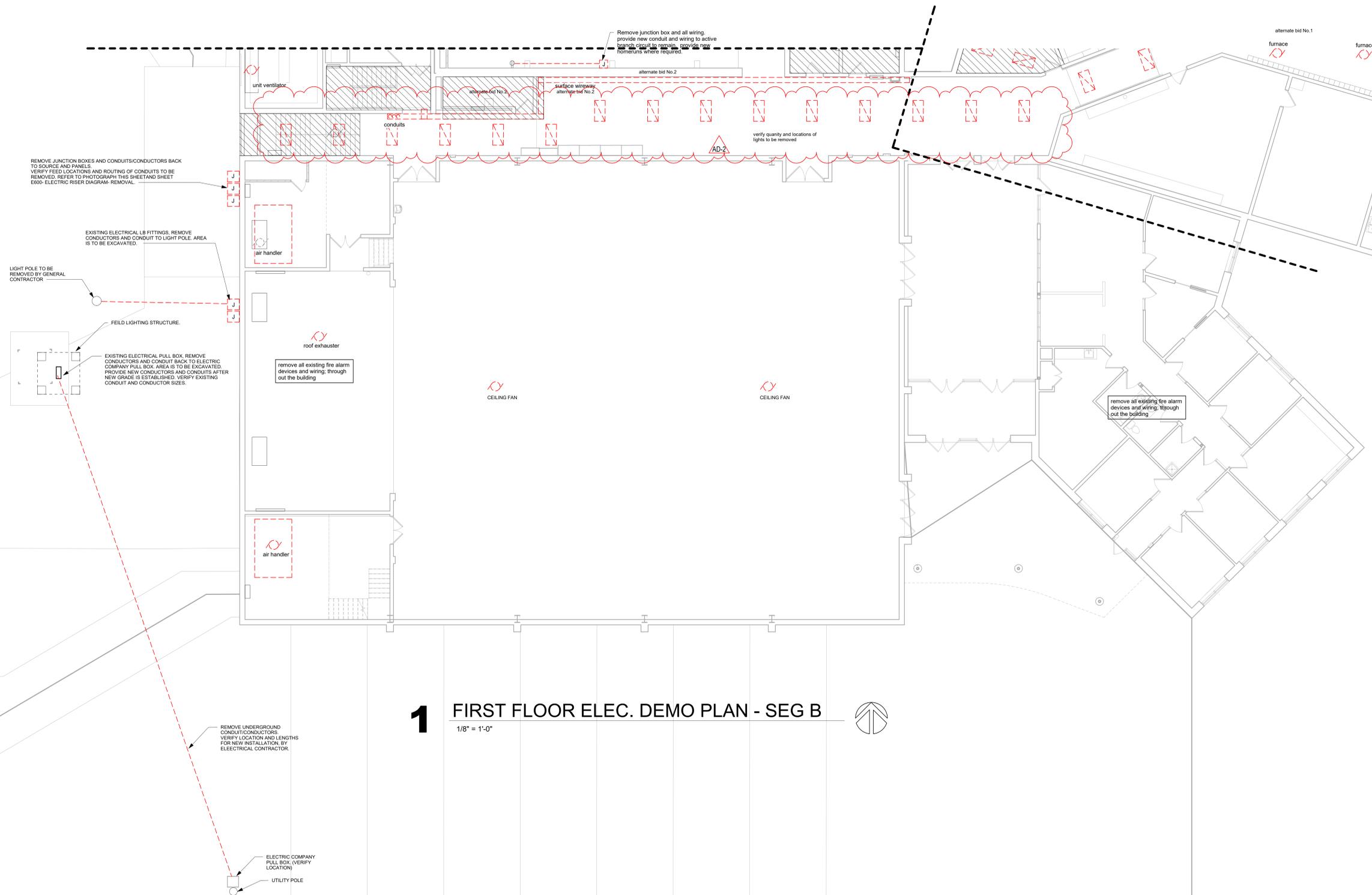


2 PHOTO EXTERIOR J-BOXES

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 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



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**

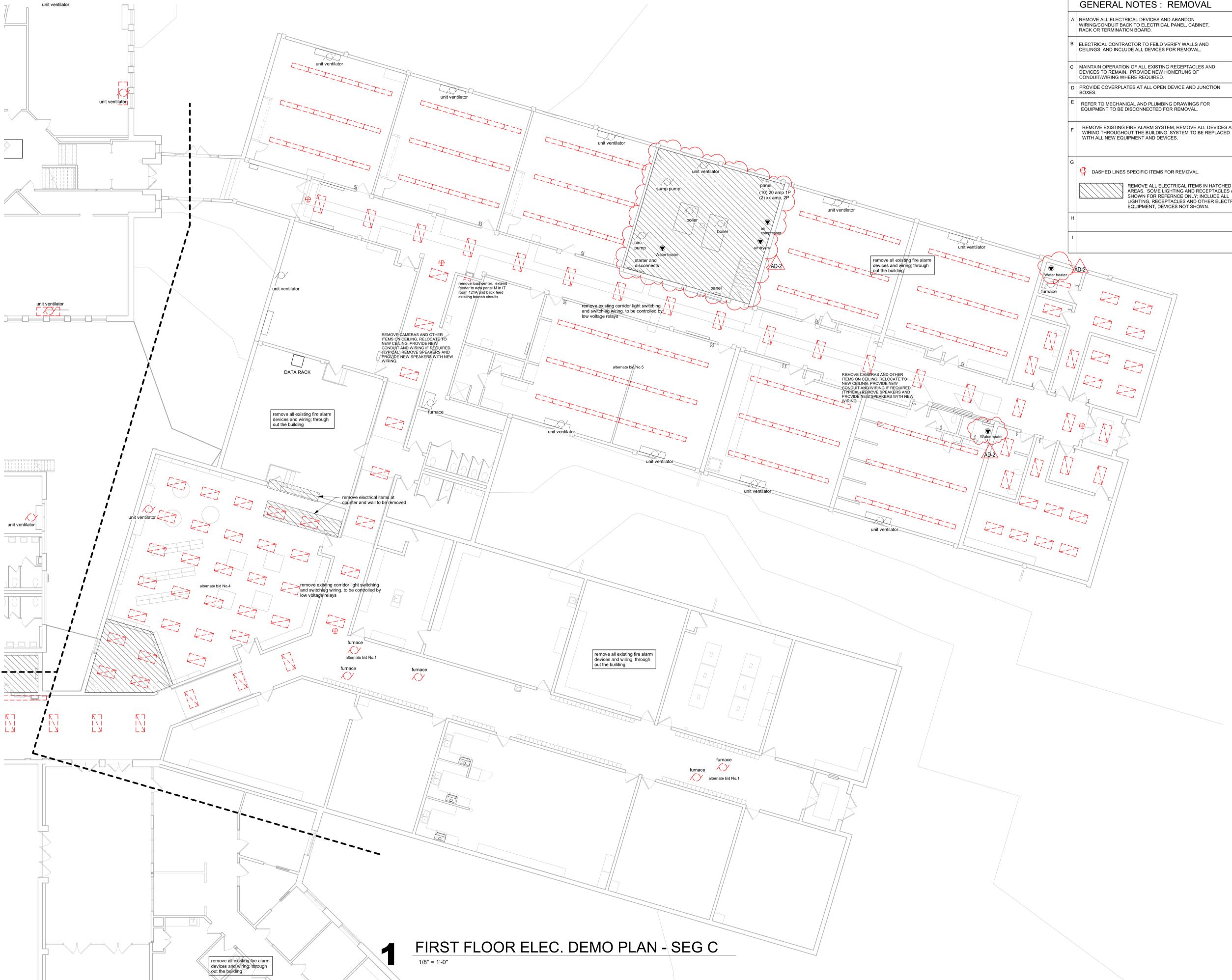
Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-1	AD-1	9/20/21
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**
 Last Update: **9/23/2021 2:22:02 PM**

E092



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

H

I

DASHED LINES SPECIFIC ITEMS FOR REMOVAL.

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.

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

Revisions:

No.	Description	Date
AD-1	AD-1	9/20/21
AD-2	AD-2	9/23/21



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
AD-2	AD-2	9/23/21

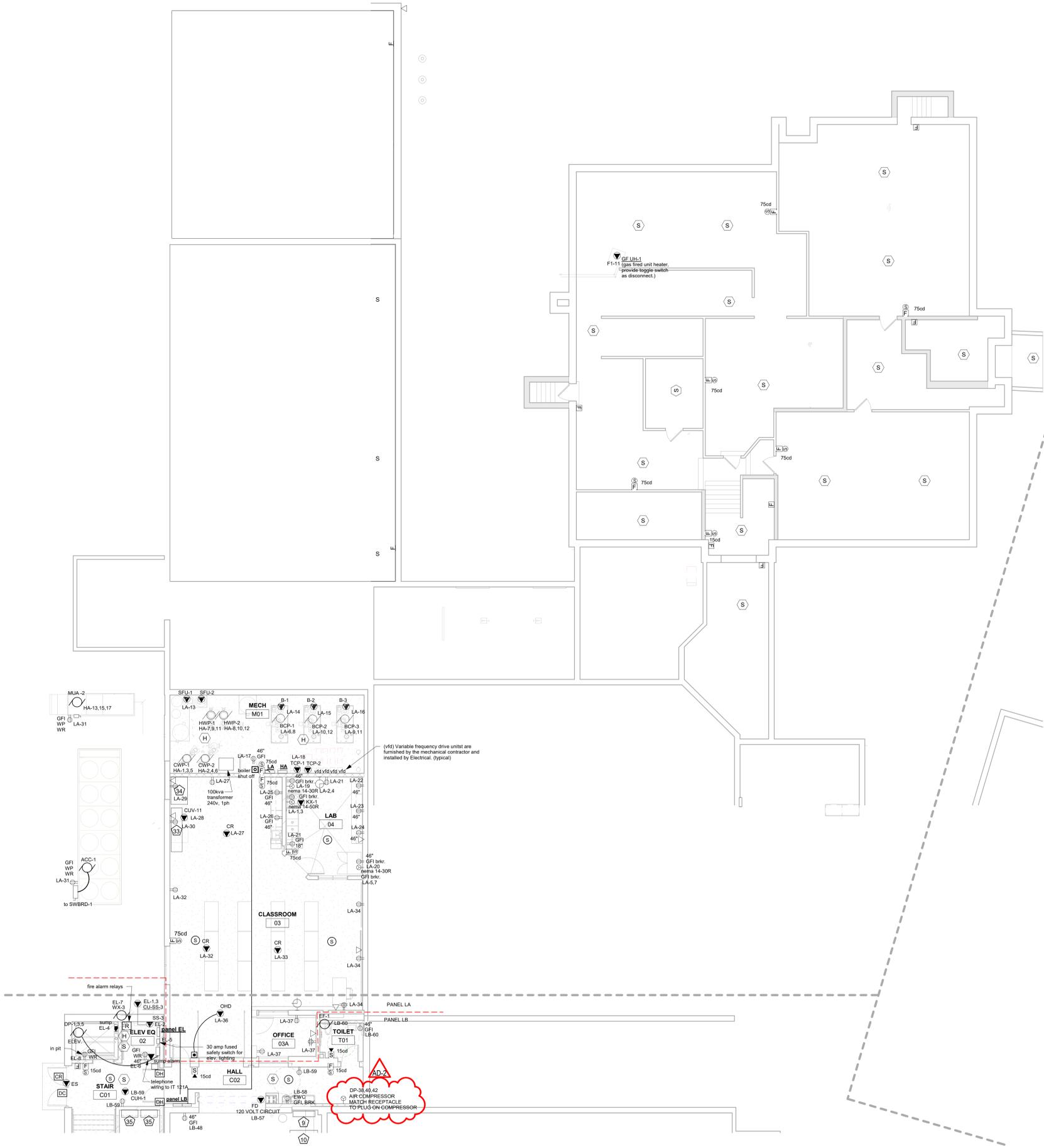
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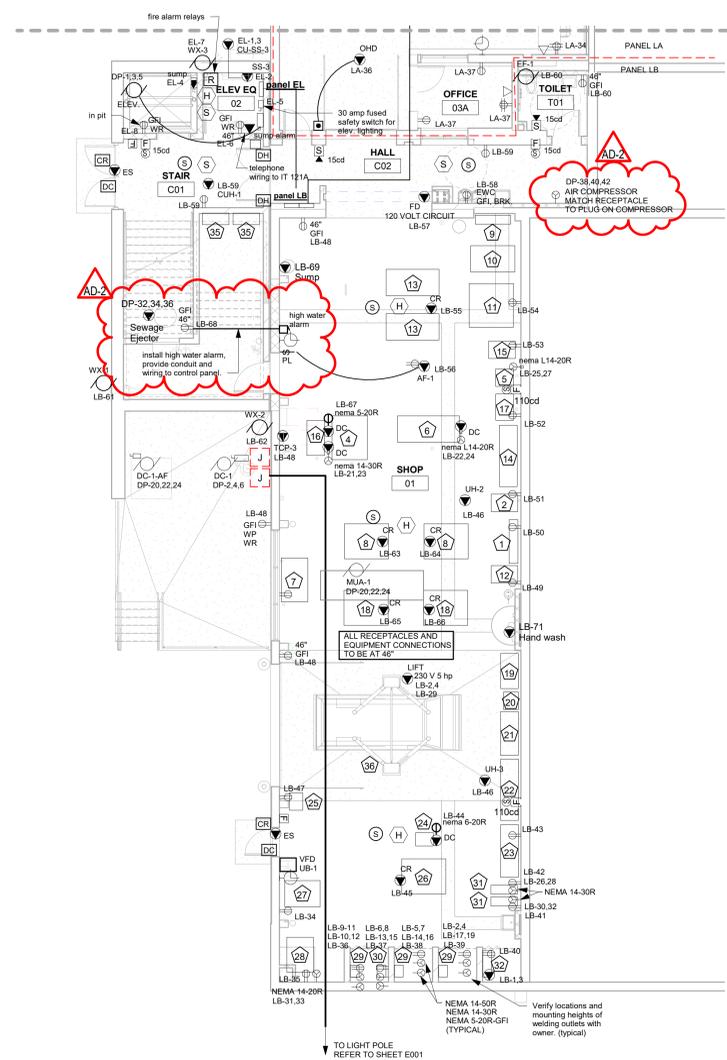
E100

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.
- 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.



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



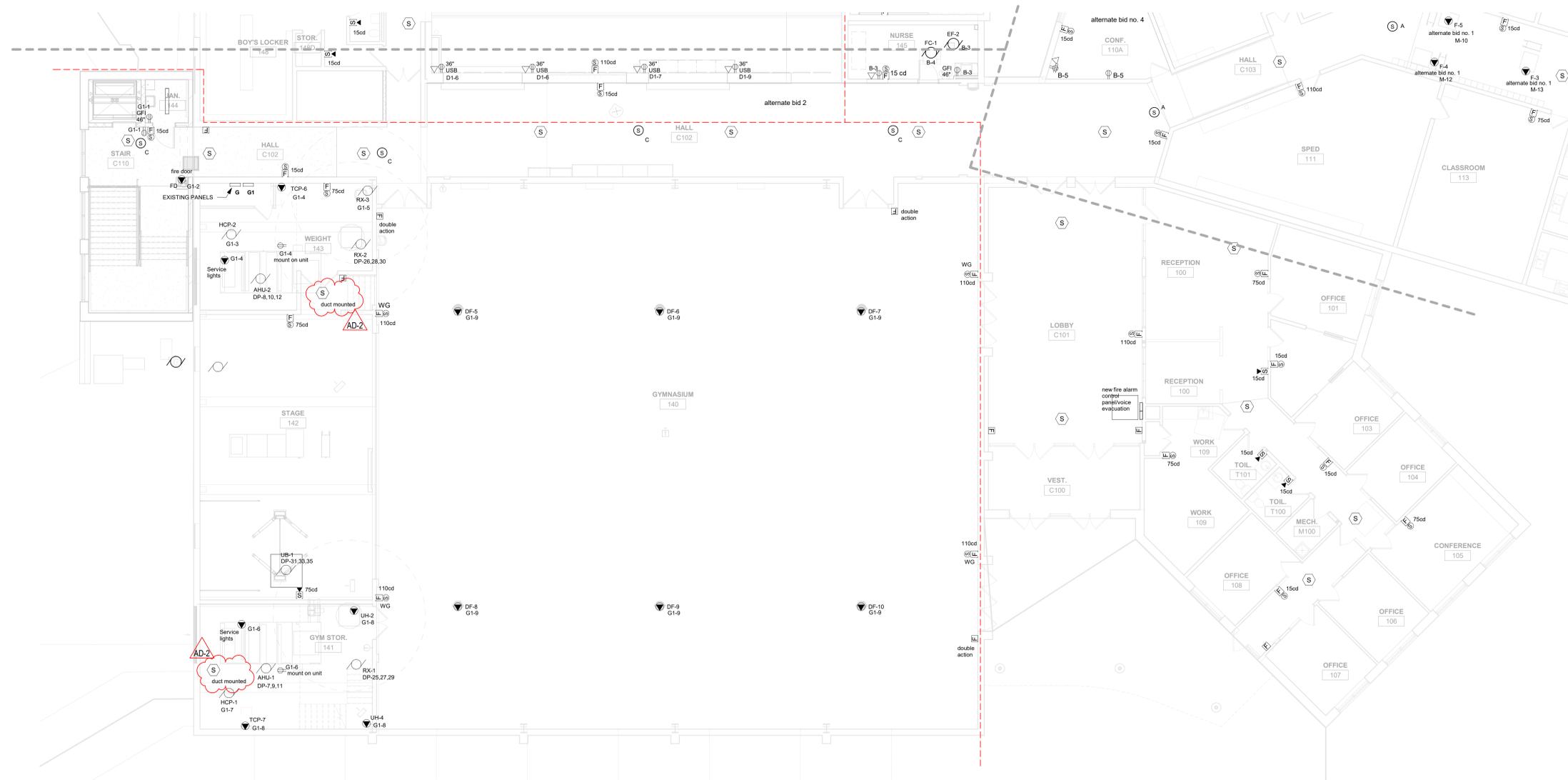
2 LOWER LEVEL POWER PLAN - SEG B
1/8" = 1'-0"

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.
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.
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Consultant:



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
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**
 Last Update: **9/23/2021 2:22:11 PM**

E102



Consultant:

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.
- 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.



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
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**

Last Update: **9/23/2021 2:22:13 PM**

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

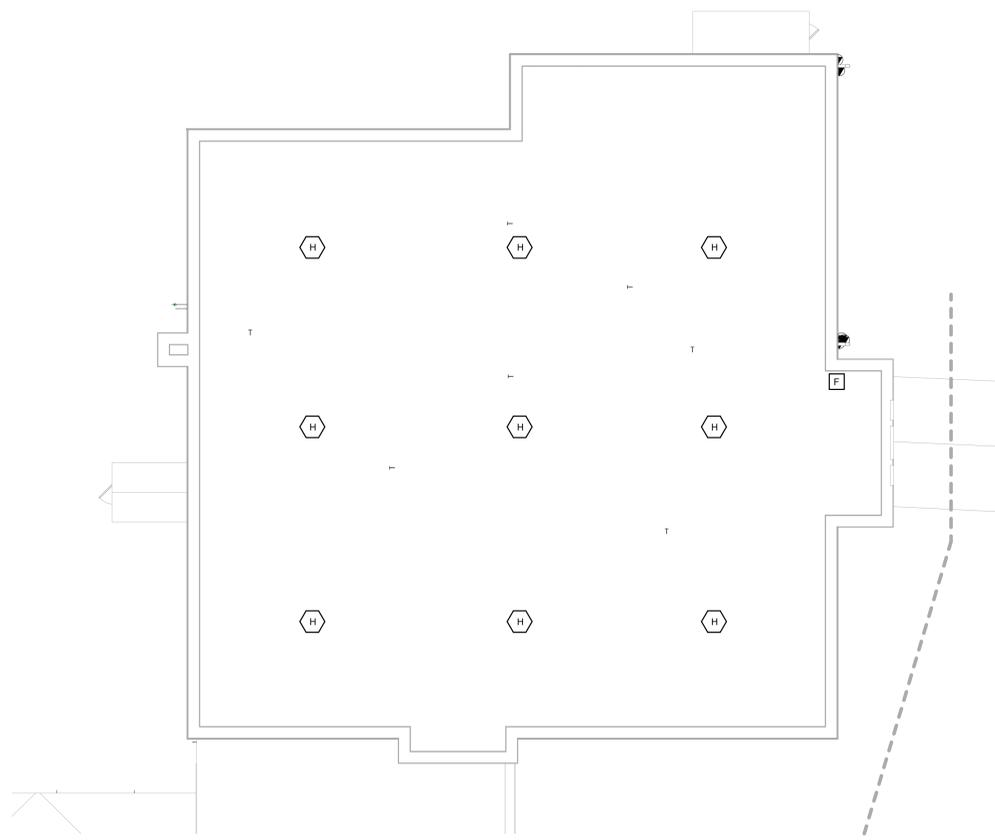


E103

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.
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.



Consultant:



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



1 SECOND FLOOR POWER PLAN - SEG A

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
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**

Last Update: **9/23/2021 2:22:14 PM**

E105



- 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.
 - 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.
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Consultant:

Project Title: **LA FARGE SCHOOL DISTRICT**
 Project Location: **301 WEST ADAMS STREET LA FARGE, WISCONSIN**
 Sheet Title: **LOWER LEVEL LIGHTING PLAN - SEG 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
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**
 Last Update: **9/23/2021 2:22:15 PM**

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

E201

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 07640 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.



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Consultant:



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
AD-2	AD-2	9/23/21

Graphic Scale: **VARIES**

Last Update: **9/23/2021 2:22:17 PM**

E202

LOW VOLTAGE LIGHTING RELAY SCHEDULE 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, C102, AD-2	TYPE "C" FIXTURES	1
R4	CORRIDOR C102, 103, C106, C102, AD-2	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.	*				30	4000K	
CS	DAYBRITE	2FZP30L840-4-DS-UNV-DIMFSK24	2'X4' LED FLAT PANEL 3000 LU	UNIV.	*				23	4000K	1, 10
OA	GARCO	111L16L360-NW-Q3-3-UNV-BZ-PC	LED MINI WALL SCONCE	UNIV.	*				18	4900K	8
UC	NUVO LIGHTING	NUVO 63-203	UNDERCOUNTER LIGHT	UNIV.	*				7	3500K/4000	
X1	CHLORIDE	CLXNRW-BATTERY	EXIT LIGHT	UNIV.	*				4	N/A	9
WD	DAYBRITE	DWAE27L8402-UNV	4' SEALED INDUSTRIAL	UNIV.	*				26	4000K	
J	MILLENIUM LIGHTING	RDBS12RGN15-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	
TR	LIGHTOLIER	LLAV20940LBKLLAV11RF	LED TRACK LIGHTS 2000 LU	UNIV.	*				22W	4000K	11

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.
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 CUFF-OFF LIGHTING, DIE CAST ALUMINUM HOUSING WITH BRONZE FINISH. PROVIDE WITH PHOTOCELL.
9. LED EXIT LIGHT, RED LETTERS WITH WHITE HOUSING.
10. PROVIDE WITH SURFACE MOUNTING KIT/TRIM.
11. PROVIDE WITH SINGLE CIRCUIT TRACK, BLACK FINISH, WITH 9 LIGHTS.

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

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.

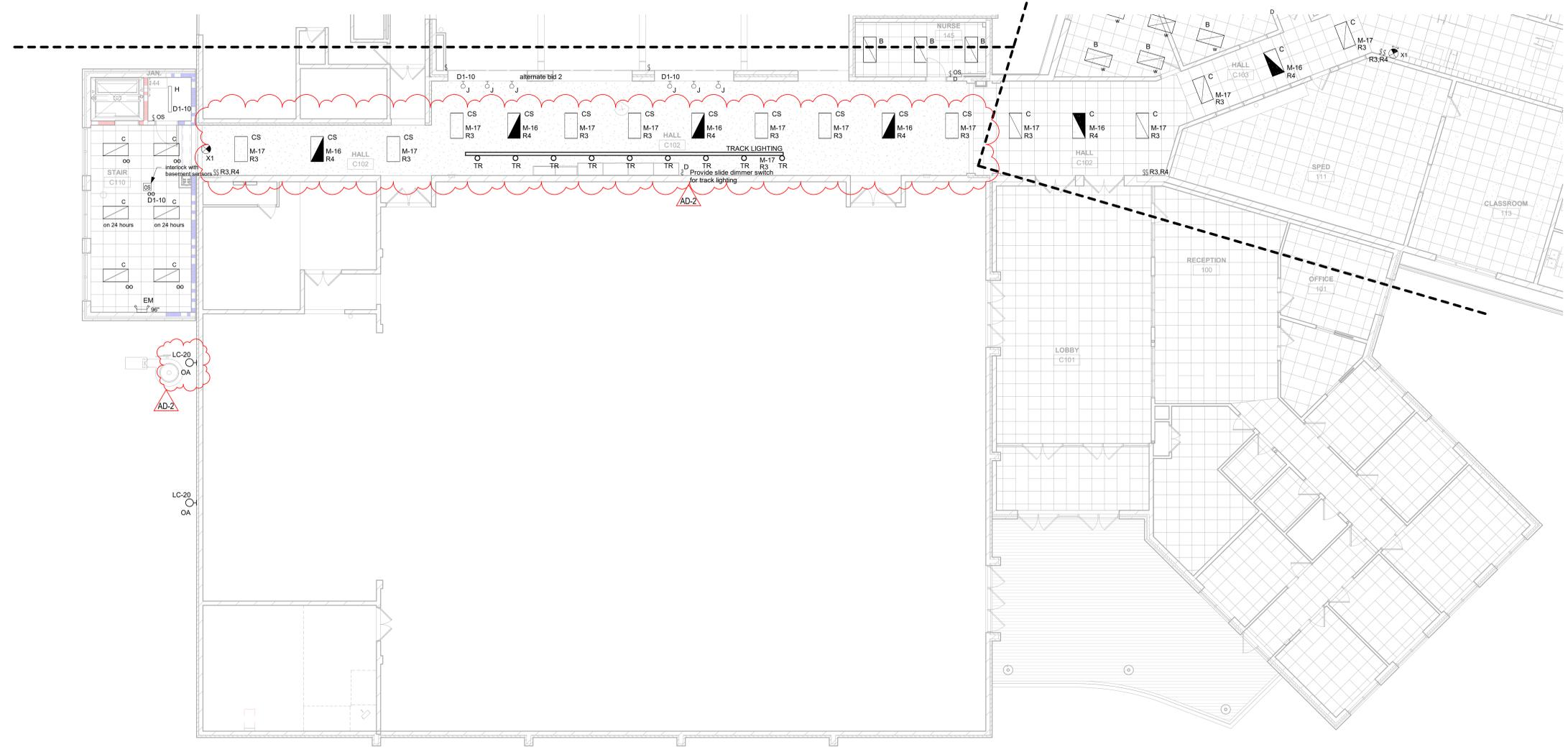
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E PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.

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.



ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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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:

Revisions:

No.	Description	Date
AD-1	AD-1	9/20/21
AD-2	AD-2	9/23/21

Graphic Scale: VARIES

Last Update: 9/23/2021 2:22:20 PM

BID DOCUMENTS



Consultant:

Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

Sheet Title: ELECTRIC RISER DIAGRAM AND SCHEDULES

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: SMG

Key Plan:

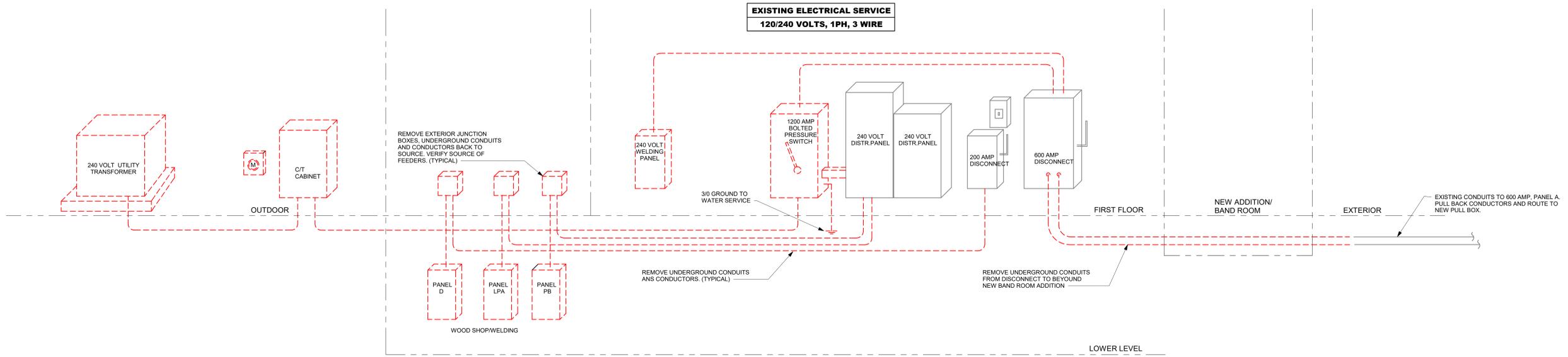
BID DOCUMENTS

No.	Description	Date
AD-2	AD-2	9/23/21

Graphic Scale: VARIES

Last Update: 9/23/2021 2:22:21 PM

E600



1 ELECTRIC RISER DIAGRAM REMOVAL

NTS

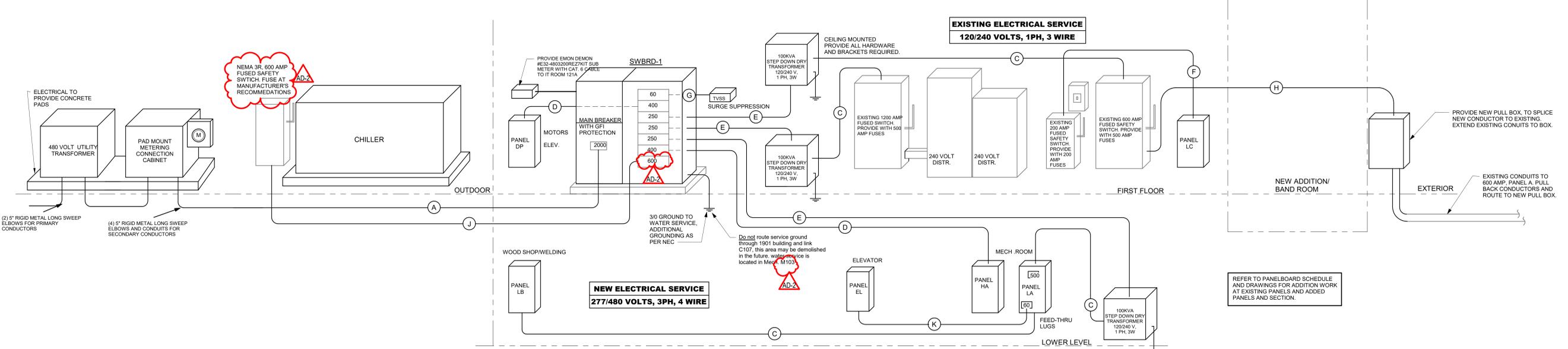
SWITCHBOARD SCHEDULE					
POLES	BREAKER RATING	FUSIBLE SWITCH RATING	PHASE	FEEDING	REMARK NUMBER
3	2000			MAIN CIRCUIT BREAKER	1
3	400			PANEL DP	2
3	600			CHILLER	2
3	400			PANEL HA	2
2	250		AB	BACK FEED 120/240 V SERVICE	2
2	250		BC	BACK FEED 120/240 V SERVICE	2
2	250		CA	PANEL LB 120/240 V VIA XFMR.	2
3	100			SPARE BREAKER	2
3	60			TVSS	2

SERVICE: 480Y/277 VOLT, 3 PH, 4 W

REMARKS

- PROVIDE MAIN CIRCUIT BREAKER WITH 65,000 AMP INTERRUPTING RATING. PROVIDE WITH GROUND FAULT SENSING.
- DISTRIBUTION CIRCUIT BREAKERS TO BE SERIES RATED WITH MAIN BREAKER.

FEEDER SCHEDULE				
MARK NO.	CONDUIT SIZE	CONDUCTOR SIZE	GROUND SIZE	REMARKS
A	5"	(4) #600 kcmil		4 PARALLEL RUNS
B	2 1/2"	(4) #300 kcmil	#1	2 PARALLEL RUNS
C	2"	(3) #4/0	#2	2 PARALLEL RUNS
D	3 1/2"	(4) #500 kcmil	#3	
E	2"	(2) #4/0	#4	
F	2"	(3) #3/0	#6	
G	1"	(4) #6	#10	
H	3"	(3) #500 kcmil	#1	2 PARALLEL RUNS
J	2 1/2"	(3) #300 kcmil	#1	2 PARALLEL RUNS
K	1"	(3) #6	#10	AD-2



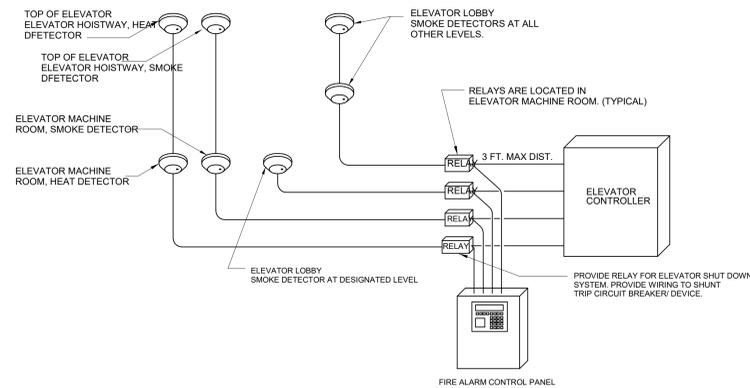
2 ELECTRIC RISER DIAGRAM

NTS

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		240	1	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		240	1	2 #6	#10	DIRECT	

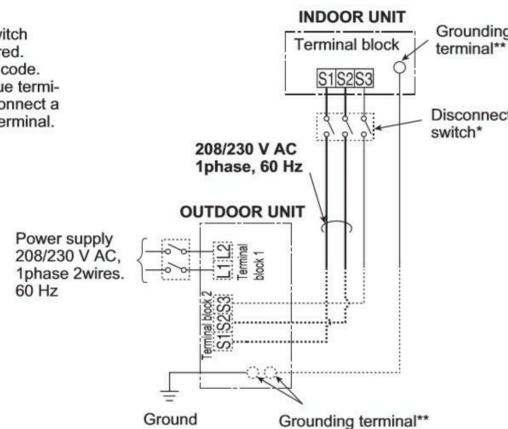
* SEE REMARKS. MCA MINIMUM CIRCUIT AMPACITY

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.	MFGR 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	DR-7,8,9,10,11,12,14,16,18			
												7	20	3	DP-20,22,24-31,33,35,32,34,36,38,40,42			
												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		1	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-6,8,10,11,12			
												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			
												5	50	2	LB-5,6,9,14			
												7	30	2	LB-10,12,13-17,19,21,23,26,28,30,32			
												3	20	2	LB-22,24,25,27,31,33			
												39	20	1	LB-29,34-67,68,69,71			
												AD-2	20	1	LB-71 (GFI circuit breaker)			
												2	50	2	LB-68 (GFI circuit breaker)			
												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		
												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						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	refeed 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				10	20	1	D1-1,2-10	72 SPACE	3	
												36	20	1	refeed existing circuits from adjacent panel D			
												4	20	2	refeed 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						15	20	1	F1-1,2-15		1	
G1 (existing)	WEIGHT 143	Cutter-Hammer	X			240/120 VOLT 1 PH, 3 WIRE						AD-2	9	20	1	G1-1, 2-9		1
M	WEIGHT 143	Cutter-Hammer	X			240/120 VOLT 1 PH, 3 WIRE						1	20	2	M-9,11			
												17	20	1	M-1, 2-8, 10,12-15,16,17,18,19			
												AD-2	13	20	1	Refeed 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.



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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT

Project Location: 301 WEST ADAMS STREET LA FARGE, WISCONSIN

Sheet Title: ELECTRICAL SCHEDULES

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
AD-2	AD-2	9/23/21

Graphic Scale: VARIES

Last Update: 9/23/2021 2:22:21 PM

E602



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Key Plan:

BID DOCUMENTS

No.	Description	Date
AD-2	AD-2	9/23/21

Graphic Scale: VARIES

Last Update: 9/23/2021 2:22:23 PM

E603

EQUIPMENT SCHEDULE

MARK NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	RATING				WIRING SIZE		REMARKS
			KW	HP	VOLT	PH	CONDUCTORS	GRD.	
B-1	BOILER	MECH M01	13 FLA	120	1	2 #12	#12	1,8	
B-2	BOILER	MECH M01	13 FLA	120	1	2 #12	#12	1,8	
B-3	BOILER	MECH M01	13 FLA	120	1	2 #12	#12	1,8	
AF-1	AIR FILTER	SHOP 01	13 FLA	120	1	2 #12	#12	7	
CE-1	CEILING EXHAUST FAN	TOILET 104B	20 WATTS	120	1	2 #12	#12	1	
CE-2	CEILING EXHAUST FAN	IT 104A	80 WATTS	120	1	2 #12	#12	1	
CUH-1 to 5	CABINET HEATER (quantity of 5)	SEE DRAWINGS	120 WATTS	120	1	2 #12	#12	1	
CUV-1 to 11	CABINET UNIT VENTILATOR (quantity of 11)	SEE DRAWINGS	14 MCA	120	1	2 #12	#12	1	
CU-SS-1	DUCTLESS SPLIT SYSTEM - EXTERIOR	EXTERIOR	16 MCA	240	1	2 #10	#10	1,3	
SS-1	DUCTLESS SPLIT SYSTEM - INTERIOR	xx	-	240	1	2#10	#10	1,3	
CU-SS-2	DUCTLESS SPLIT SYSTEM - EXTERIOR	EXTERIOR	16 MCA	240	1	2 #10	#10	1,3	
SS-2	DUCTLESS SPLIT SYSTEM - INTERIOR	xx	-	240	1	2#10	#10	1,3	
CU-SS-3	DUCTLESS SPLIT SYSTEM - EXTERIOR	EXTERIOR	16 MCA	240	1	2 #10	#10	1,3	
SS-3	DUCTLESS SPLIT SYSTEM - INTERIOR	ELEV 02	-	240	1	2#10	#10	1,3	
CR	CORD REEL	SEE DRAWINGS	-	120	1	2 #12	#12	5	
DC	DROP CORD	SEE DRAWINGS	-	120	1	2 #12	#12	6	
DF-1 to 10	DESTRATIFICATION FAN (quantity of 10)	SEE DRAWINGS	-	120	1	2 #12	#12	1,2	
F-1 to 15	FURNACE (quantity of 15)	SEE DRAWINGS	15 AMP MOP	1 HP	120	1	2 #12	#12	1
HT	HEAT TAPE	SEE DRWGS.	-	120	1	2 #12	#12		
WH-1	WATER HEATER	MECH. 102	-	120	1	2 #12	#12	1	
OHD	OVERHEAD DOOR	GARAGE 115	3/4	120	1	2 #12	#12	1,4	
SFU-1	SYSTEM FEEDER UNIT	MECH. M01	125 WATTS	120	1	2 #12	#12	7	
SFU-2	SYSTEM FEEDER UNIT	MECH. M01	125 WATTS	120	1	2 #12	#12	7	
KX-1	RANGE HOOD	LAB 04	-	120	1	2 #12	#12		
TCR-1 to 9	TEMPERATURE CONTROL PANEL	SEE DRAWINGS	50 WATTS	120	1	2 #12	#12	1	
UH-1	UNIT HEATER	SHOP 01	25 WATTS	120	1	2 #12	#12	1	
UH-2	UNIT HEATER	SHOP 01	25 WATTS	120	1	2 #12	#12	1	
UH-3	UNIT HEATER	SECURE 115E	25 WATTS	120	1	2 #12	#12	1	
DO	DOOR OPERATOR	SEE DRWGS.	-	120	1	2 #12	#12	9	
PS	PUSH STATION	SEE DRWGS.	-	120	1	2 #12	#12	9	
ADA LIFT	ADA LIFT	LIFT 160	1/2 HP	120	1	2 #12	#12	10	

* SEE REMARKS: MCA - MINIMUM CIRCUIT AMPACITY; FLA - FULL LOAD AMPS; MOP - MAXIMUM OVERCURRENT PROTECTION.

REMARKS

1. PROVIDE TOGGLE SWITCH NEAR UNIT TO SERVE AS DISCONNECT.
2. DESTRATIFICATION FANS ARE FURNISHED BY MECHANICAL AND INSTALLED BY ELECTRICAL. ELECTRICAL TO INSTALL SPEED CONTROLLER FURNISHED WITH FANS.
3. PROVIDE INTERCONNECTING WIRING BETWEEN INDOOR UNIT AND EXTERIOR CONDENSER. INCLUDE CONTROL WIRE (800 VOLT INSULATION RATING). PROVIDE NEMA 3R FUSED SAFETY SWITCH AT EXTERIOR UNIT AND TOGGLE SWITCH AT INTERIOR UNIT FOR DISCONNECTS.
4. PROVIDE TOGGLE SWITCH AT UNIT TO SERVE AS DISCONNECT. INSTALL DOOR OPERATOR STATION AND WIRING. PROVIDE CONDUIT RACEWAYS FOR ALL DOOR LIMIT SWITCHES AND SAFETY SENSORS. VERIFY LOCATION OF SENSORS AND SWITCHES WITH DOOR MANUFACTURER.
5. ELECTRICAL TO PROVIDE AND INSTALL CORD REELS. PROVIDE DUPLEX RECEPTACLE NEAR UNIT TO SERVE AS DISCONNECT.
6. PROVIDE "SO" CORD WITH STRAIN RELIEFS WITH DUPLEX RECEPTACLES AT APPROXIMATELY 66" ABOVE FLOOR. VERIFY MOUNTING HEIGHT AND LOCATIONS WITH OWNER.
7. PROVIDE DUPLEX RECEPTACLE NEAR UNIT FOR CORD AND PLUG CONNECTION.
8. PROVIDE LOCK-OUT TABS ON TOGGLE SWITCH.
9. PROVIDE INTERCONNECTING WIRING/RACEWAY TO PUSH STATIONS AND LIFT CONTROLLER.
10. PROVIDE LOCKABLE TOGGLE SWITCH NEAR CONTROLLER UNIT. PROVIDE CONDUIT RACEWAY AND WIRING FROM CONTROLLER TO DOOR FRAME/LOCK AT EACH LEVEL.

MOTOR SCHEDULE

MOTOR	DESCRIPTION	HVAC/PLBG. EQUIP. NO.	LOCATION ROOM NO.	MOTOR RATING			DISCONNECT BY		STARTER BY		CONTROL WIRING BY		WIRING SIZE		REMARKS	
				HP	VOLT	PH	MECH	ELEC.	TYPE	MECH	ELEC.	TYPE	MECH	ELEC.		COND.
	AIR COOLED CHILLER	ACC-1	EXTERIOR	488 MCA	480	3	X	F	X		staged	X		see riser diagram	see riser diagram	1
	ELEVATOR	ELEV.	ELEV. 02	20	480	3	X	F	X		VFD	X		3 #3	#8	2
	AIR HANDLING UNIT	AHU-1	GYM STOR. 141	15	480	3	X		VFD	X		VFD	X	3 #10	#10	
	AIR HANDLING UNIT	AHU-2	WEIGHT RM 143	15	480	3	X		VFD	X		VFD	X	3 #10	#10	
	AIR HANDLING UNIT	AHU-3	MULTI PURP. 147	5	480	3	X		VFD	X		VFD	X	3 #10	#10	
	ROOF TOP UNIT	RTU-1	INST. STOR. 153	3 HP	480	3		X	F	X		VFD	X	3 #12	#12	3
	MAKE UP AIR UNIT	MUA-1	SHOP 01	2 HP	480	3	X		VFD	X		VFD	X	3 #12	#12	
	MAKE UP AIR UNIT	MUA-2	EXTERIOR	3 HP	480	3	X		VFD	X		VFD	X	3 #12	#12	
	BOILER CIRCULATING PUMP	BCP-1	MECH. M01	2.25HP	240	1	X	TG	X		ECM	X		2 #12	#12	
	BOILER CIRCULATING PUMP	BCP-2	MECH. M01	2.25HP	240	1	X	TG	X		ECM	X		2 #12	#12	
	BOILER CIRCULATING PUMP	BCP-3	MECH. M01	2.25HP	240	1	X	TG	X		ECM	X		2 #12	#12	
	CHILLED WATER PUMP	CWP-1	MECH. M01	40	480	3	X		VFD	X		VFD	X	3 #4	#8	
	CHILLED WATER PUMP	CWP-1	MECH. M01	40	480	3	X		VFD	X		VFD	X	3 #4	#8	
	DUST COLLECTOR	DC-1	EXTERIOR	20	480	3	X	F	X		VFD	X		3 #8	#10	3
	DUST COLLECTOR AIR FILTER	DC-1-AF	EXTERIOR	1/2	480	3	X	NF	X		VFD	X		3 #12	#12	
	HOT WATER PUMP	HWP-1	MECH. M01	20	480	3	X		VFD	X		VFD	X	3 #10	#10	
	HOT WATER PUMP	HWP-2	MECH. M01	20	480	3	X		VFD	X		VFD	X	3 #10	#10	
	ROOF EXHAUST FAN	RX-1	GYM STOR. 141	5	480	3	X		VFD	X		VFD	X	3 #12	#12	
	ROOF EXHAUST FAN	RX-2	WEIGHT 143	5	480	3	X		VFD	X		VFD	X	3 #12	#12	
	ROOF EXHAUST FAN	RX-3	WEIGHT 143	1/4	120	1	X	TG	X				X	2 #12	#12	
	ROOF EXHAUST FAN	RX-4	TOILET T105	1/4	120	1	X	TG	X				X	2 #12	#12	
	ROOF EXHAUST FAN	RX-5	KITCHEN 151	1/2	120	1	X	TG	X				X	2 #12	#12	
	WALL EXHAUST FAN	WX-1	EXTERIOR	1/2	120	1	X	TG	X				X	2 #12	#12	
	WALL EXHAUST FAN	WX-2	EXTERIOR	1/2	120	1	X	TG	X				X	2 #12	#12	
	WALL EXHAUST FAN	WX-3	ELEV. EQ. 02	1/8	120	1	X	TG	X				X	2 #12	#12	
	UTILITY BLOWER	UB-1	STAGE 142	3	480	3	X		VFD	X		VFD	X	3 #12	#12	
	UTILITY BLOWER	UB-2	GIRLS LOCKER 150	3/4 HP	120	1	X	TG	X				X	3 #12	#12	
	EXHAUST FAN	EF-1	TOILET 101	35 W	120	1	X	TG	X			VFD	X	2 #12	#12	
	EXHAUST FAN	EF-2	NURSE 145	83 W	120	1	X	TG	X			VFD	X	2 #12	#12	
	FAN COIL UNIT	FC-1	NURSE 145	3 A	120	1	X	TG	X			VFD	X	2 #12	#12	
	FAN COIL UNIT	FC-2	STAFF 146	4 A	120	1	X	TG	X			VFD	X	2 #12	#12	
	FAN COIL UNIT	FC-3	STOR. 159	3 A	120	1	X	TG	X			VFD	X	2 #12	#12	
	FAN COIL UNIT	FC-4	LIFT 160	4 A	120	1	X	TG	X			VFD	X	2 #12	#12	
	RADIANT FLOOR PUMP	RFP-1	INST. STOR. 153	1/4 HP	120	1	X	TG	X			VFD	X	2 #12	#12	
	HOT WATER CIRC. PUMP	HCP-1	GYM STOR. 141	1/4 HP	120	1	X	TG	X			VFD	X	2 #12	#12	
	HOT WATER CIRC. PUMP	HCP-2	WEIGHT 143	1/4 HP	120	1	X	TG	X			VFD	X	2 #12	#12	
	HOT WATER CIRC. PUMP	HCP-3	MULTI-PURP 147	1/4 HP	120	1	X	TG	X			VFD	X	2 #12	#12	

SEE REMARKS
 *** (CB) CIRCUIT BREAKER; (CS) COMBINATION STARTER/DISCONNECT; (F) FUSED SAFETY SWITCH; (NF) NON FUSED SAFETY SWITCH; (TG) TOGGLE SWITCH(FVNR) FULL VOLTAGE NON-REVERSING MAGNETIC STARTER; (FVR) FULL VOLTAGE REVERSING MAGNETIC STARTER; (MS) MANUAL STARTER-WITH OVERLOAD PROTECTION; (MSW) MANUAL SWITCH-WITHOUT OVERLOAD PROTECTION; (MCC) MOTOR CONTROL CENTER; (PB) PUSH BUTTON STARTER; (VFD) VARIABLE FREQUENCY DRIVE; (MCA) MINIMUM CIRCUIT AMPS; (MOP) MAXIMUM OVER CURRENT PROTECTION.

REMARKS

1. PROVIDE 600 AMP, NEMA 3R FUSIBLE SAFETY SWITCH, FUSE AT MANUFACTURERS RECOMMENDATIONS.
2. PROVIDE 100 AMP FUSIBLE SAFETY SWITCH, FUSE AT MANUFACTURERS RECOMMENDATIONS.
3. FUSE AT MANUFACTURERS RECOMMENDATIONS.