DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [3] **Date: September 29, 2021**

RE: **LA FARGE SCHOOL DISTRICT**
ADDITION AND RENOVATION
301 W. ADAMS STREET
LA FARGE, WI 54639
HSR PROJECT NO. 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, [3] specification sections and [35] 30 x 42 drawings.

CHANGES TO PRIOR ADDENDA:

1. Architectural drawing A090, A103, A107, and A112 were reissued as part of Addendum #1. Revisions of these drawings for Addendum #3 are described below.
2. Plumbing drawings P090, P091, P092, P093, P105, and P106 were reissued as part of Addendum #1. Revisions of these drawings for Addendum #3 are described below.
3. Plumbing drawings P001, P091, P093, P100, P101, P102, P104, and P400 were reissued as part of Addendum #2. Revisions of these drawings for Addendum #3 are described below

CHANGES TO SPECIFICATIONS:

4. Section 03 30 00 Cast-In-Place Concrete revised section attached hereto
    a. Added Related Requirements item 1.02 I. to require coordination between slab and vehicle lift manufacturer.
5. Section 14 45 00 Vehicle Lifts revised section attached hereto
    a. Revised Comparable Manufacturer item 2.01 C.2. to remove Titan Lifts.
6. Section 26 41 14 Transient Voltage Surge Suppression
    a. Revised 2.01 Manufacturer: Replace original item D. with the following:
        D. SSI-Spec Pro
        E. Substitutions: Under provisions of Section 01 63 00.
7. Section 32 31 13 Chain Link Fencing and Gates revised section attached hereto
    a. Revised fence height from 6 feet tall to 8 feet tall.

CHANGES TO DRAWINGS

8. Sheet A000 COVER SHEET 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Updated list of plumbing drawings.
9. Sheet A090 LOWER LEVEL DEMO – SEGMENT A & B 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Added work to demo plumbing fixture.
10. Sheet A091 FIRST FLOOR DEMO PLAN – SEGMENT A 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Added slab demo to accommodate plumbing.
11. Sheet A093 FIRST FLOOR DEMO PLAN – SEGMENT C 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Added slab demo to accommodate plumbing.
12. Sheet A103 LOWER LEVEL – SEGMENT A 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Added plumbing fixture.
13. Sheet A104 LOWER LEVEL – SEGMENT B 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Revised locations of slab replacement.
14. Sheet A105 FIRST FLOOR – SEGMENT A 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Revised locations of slab replacement.
15. Sheet A106 FIRST FLOOR – SEGMENT B 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Added chases.
16. Sheet A107 FIRST FLOOR – SEGMENT C 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Revised locations of slab replacement.
17. Sheet A112 FIRST FLOOR RCP – SEGMENT B 30 x 42 attached hereto
    a. Revisions clouded on drawing.
    b. Revised reflected ceiling plan for lighting changes
    c. Added chase at the stair.
18. Sheet P001 PLUMBING GENERAL INFORMATION 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. Revisions to Plumbing Schedules
    c. Floor Sink, FS-1, added.
19. Sheet P090 LOWER LEVEL PLUMBING DEMO PLANS – SEG A & B 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. Demo scope of work added/clarified.
20. 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. Keynote updated.

21. Sheet P093 FIRST FLOOR PLUMBING DEMO PLAN – SEG C 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. Demo scope of work added/clarified.
    c. Keynote added.
22. 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 updated.
23. 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/updated.
24. 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.
25. Sheet P103 FIRST FLOOR PLUMBING PLAN – SEG B 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. New work scope added/clarified.
    c. Keynotes added.
26. Sheet P104 FIRST FLOOR PLUMBING PLAN – SEG C 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. New work scope added/clarified.
    c. Keynotes added.
27. Sheet P105 ROOF PLUMBING PLAN – SEG A 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. New work scope added/clarified.
    c. General Note 2 deleted.
    d. Keynotes added/updated.
28. Sheet P106 ROOF PLUMBING PLAN – SEG B 30 x 42 attached hereto
    a. Revisions clouded on Drawing.
    b. General Note 2 deleted.
29. Sheet P400 PLUMBING ENLARGED PLANS 30 x 42 attached hereto
    a. Replace Sheet with New Sheet
    b. New work scope added/clarified.
30. Sheet P401 PLUMBING ENLARGED PLANS 30 x 42 attached hereto
    a. Replace Sheet with New Sheet
    b. New work scope added/clarified.
31. Sheet P402 PLUMBING ENLARGED PLANS 30 x 42 attached hereto
    a. Replace Sheet with New Sheet
    b. Demo/New work scope added/clarified.
32. Sheet P403 PLUMBING ENLARGED PLANS 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
33. Sheet P500 PLUMBING DETAILS 30 x 42 attached hereto
    a. Replace Sheet with New Sheet
    b. Details added/clarified.

34. Sheet P600 PLUMBING ISOMETRICS – DOMESTIC WATER – SEG A1 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
35. Sheet P601 PLUMBING ISOMETRICS – DOMESTIC WATER – SEG B 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
36. Sheet P602 PLUMBING ISOMETRICS – DOMESTIC WATER – SEG A2 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
37. Sheet P603 PLUMBING ISOMETRICS – DOMESTIC WATER – SEG C1 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
38. Sheet P604 PLUMBING ISOMETRICS – DOMESTIC WATER – SEG C2 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
39. Sheet P605 PLUMBING ISOMETRICS – WASTE AND VENT – SEG A 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
40. Sheet P606 PLUMBING ISOMETRICS – WASTE AND VENT – SEG B 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
41. Sheet P607 PLUMBING ISOMETRICS – WASTE AND VENT – SEG C1 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents
42. Sheet P608 PLUMBING ISOMETRICS – WASTE AND VENT – SEG C2 30 x 42 attached hereto
    a. New Sheet as part of the Construction Documents

PRIOR APPROVALS

43. Section 22 34 00 Fuel-Fired, Domestic Water Heaters
    a. Watts Regulator (Expansion Tank)
    b. State Industries (Water Heater)
44. Section 22 41 00 Plumbing Fixtures
    c. American Standard (Faucets and Flush Valves)
    d. Fiat Products (Mop Basin)

END OF DOCUMENT 00 90 00

SECTION 03 30 00
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Elevated concrete slabs on form deck.

B. Floors, slabs on grade.

C. Concrete shear walls, elevator shaft walls, and foundation walls.

D. Fiber reinforcement.

E. Joint devices associated with concrete work.

F. Miscellaneous concrete elements, including equipment pads.

G. Underslab vapor barrier.

H. Concrete curing.

1.02 RELATED REQUIREMENTS

A. Refer to Structural Drawings for additional design information.

B. Section 01 40 00 - Quality Requirements

C. Section 03 10 00 - Concrete Forming and Accessories: Forms and accessories for formwork.

D. Section 03 20 00 - Concrete Reinforcing.

E. Section 07 92 00 - Joint Sealants: Products and installation for sealants and joint fillers for saw cut joints and isolation joints in slabs.

F. Section 07 13 00 Sheet Waterproofing: Preparing concrete surfaces to receive waterproofing.

G. Division 9 Floor Finishes: Restrictions for compatibility of flooring adhesives in regards to curing compounds, sealers and slab moisture content.

H. Section 09 05 61 Common Work Results for Flooring Preparation: Additional floor flatness testing at large format tile locations.

I. Section 14 45 00 - Vehicle Lifts: Lift selection affects control joint placement and slab thickness. Coordinate with lift installer. Basis of design lift instructions indicate 4 1/4" slab thickness and no adjacent control joints.

1.03 REFERENCE STANDARDS

A. ACI 211.1 - Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete; 1991 (Reapproved 2009).

B. ACI 301 - Specifications for Structural Concrete; 2010 (Errata 2012).

C. ACI 302.1R - Guide for Concrete Floor and Slab Construction; 2004 (Errata 2007).

D. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; 2000.

E. ACI 305R - Hot Weather Concreting; 2010.

F. ACI 306R - Cold Weather Concreting; 2010.

G. ACI 308R - Guide to Curing Concrete; 2001 (Reapproved 2008).

H. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2016).

I. ASTM C1609/C1609M - Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading); 2012.

J. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2016.

K. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2016b.

L. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2016a.

M. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens); 2016a.

N. ASTM C150/C150M - Standard Specification for Portland Cement; 2016.

O. ASTM C171 - Standard Specification for Sheet Materials for Curing Concrete; 2016.

P. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a (Reapproved 2016).

Q. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2016.

R. ASTM C618 - Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete; 2015.

S. ASTM C881/C881M - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete; 2015.

T. ASTM C1059/C1059M - Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete; 2013.

U. ASTM C1107/C1107M - Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink); 2014a.

V. ASTM D8139 - Standard Specification for Semi-Rigid, Closed-Cell Polypropylene Foam, Preformed Expansion Joint Fillers for Concrete Paving and StructuralConstruction; 2017.

W. ASTM E1155 - Standard Test Method for Determining F(F) Floor Flatness and F(L) Floor Levelness Numbers; 2014.

X. ASTM E1155M - Standard Test Method for Determining F(F) Floor Flatness and F(L) Floor Levelness Numbers (Metric); 2014.

Y. ASTM E1643 - Standard Practice for Selection, Design, Installation and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs; 2011.

Z. ASTM E1745 - Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs; 2011.

1.04 SUBMITTALS

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

B. Product Data: Submit manufacturers' data on manufactured products showing compliance with specified requirements and installation instructions.
   1. For curing compounds, provide data on method of removal in the event of incompatibility with floor covering adhesives.

C. Control Joint Drawings: Prior to start of concrete work submit drawings showing proposed construction and control joints for slabs.

D. Samples: Submit samples of underslab vapor retarder to be used.

E. Test Reports: Submit report for each test or series of tests specified.

F. Project Record Documents: Accurately record actual locations of embedded utilities and components that will be concealed from view upon completion of concrete work.

G. Laboratory design of concrete mixes and laboratory test reports for concrete materials to Architect/Engineer for approval prior to proceeding with any concrete work Including but not limited to the following:
   1. Aggregates: Include service record data indicating absence of deleterious expansion of concrete due to alkali aggregate reactivity.
   2. Admixtures required to meet job and environment requirements.

H. Material Certificates: For each of the following, signed by manufacturers:
   1. Cementitious materials.
   2. Admixtures.

I. Concrete placement schedule. Submit to Architect/Engineer for review prior to placing any concrete.

J. Copies of delivery tickets for each load of concrete delivered to Project shall be submitted with closeout documents.

1.05 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 301 and ACI 318.

B. Follow recommendations of ACI 305R when concreting during hot weather.

C. Follow recommendations of ACI 306R when concreting during cold weather.

D. Contractor shall confirm and coordinate various requirements, restrictions or special conditions (i.e. slump, surface finish, curing and sealing compatibility) with floor finish suppliers prior to placing concrete.

PART 2 PRODUCTS

2.01 FORMWORK

A. Comply with requirements of Section 03 10 00.

2.02 REINFORCEMENT MATERIALS

A. Comply with requirements of Section 03 20 00.

B. Slab-On-Grade Poly Fiber Reinforcement Systems: (To be used in lieu of interior welded wire fabric)

1. Synthetic Structural Fiber Reinforcement: Provide synthetic structural fibers complying with the following requirements:
   a. Synthetic structural fibers shall meet requirements of ASTM C 1116, Paragraph 4.1.3, Type III.
   b. Synthetic structural fibers shall be monofilament, made of polypropylene or polypropylene/polyethylene blend.
   c. Synthetic structural fibers shall have a minimum length of 1.38 inches (35 mm) and a maximum length of 2.00 inches (51 mm).
   d. Specific gravity between 0.90 and 0.95.
   e. Synthetic structural fibers shall have an aspect ratio (length divided by equivalent diameter of fiber) between 60 and 100.
   f. Dosage rate:
      1) Slab-On-Grades: 5.0 lbs/cubic yard or the addition rate to achieve the concrete required minimum equivalent flexural strength, fe3 of 165 psi for a concrete with a compressive strength of 4,000 psi at 28 days. Determined from the manufacturer's test data verifying fiber performance in concrete based on ASTM C1609/C1609M, utilizing the beam size 6" x 6"x 20" (fe3) calculated using JCI-SF4 method.
   g. Synthetic structural fibers shall be:
      1) Grace STRUX, 90/40 synthetic fiber.
      2) Propex Concrete Systems, Novomesh 950 Synthetic Fiber.
      3) Euclid Chemical Company, Tuf-Strand SF.

2.03 CONCRETE MATERIALS

A. Cement: ASTM C150/C150M, Type I - Normal Portland type.
   1. Acquire cement for entire project from same source.

B. Air Entraining Portland Cement: ASTM C 150, Type 1A.

C. Fine and Coarse Aggregates: ASTM C33/C33M.
   1. Acquire aggregates for entire project from same source.

D. Fly Ash: ASTM C618, Class C.

E. Calcined Pozzolan: ASTM C618, Class C.

F. Water: Clean and not detrimental to concrete in accordance with ASTM C1602/C1602M.

2.04 ADMIXTURES

A. Except for air entraining and water reducing, admixtures are not permitted without approval of Architect/Engineer. Submit manufacturer's information to A/E with historical stress testing.

B. Do not use chemicals that will result in soluble chloride ions in excess of 0.1 percent by weight of cement.

C. Air Entrainment Admixture: ASTM C260/C260M. Use for exterior walls, exterior slabs, walks, platforms, ramps, steps, portions of parking ramp and other concrete exposed to freezing and thawing. Air entrainment not allowed at interior floor slabs.
   1. Products:
      a. Darex II - W.R. Grace.
      b. AEA 92S - Euclid.
      c. Catexol AE 260 - Axim Concrete Technologies
      d. General Resource Technology - Polychem SA-50
      e. MasterAir Series – Master Builders Solutions
      f. Substitutions: See Section 01 60 00 - Product Requirements.

D. Mid-Range Water Reducing: ASTM C494/C494M Type A or Type F.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Daracem 65 - W.R. Grace.
      b. Eucon MR - Euclid.
      c. Catexol 3500N“ – Axim Concrete Technologies
      d. General Resource Technology - KB-1200
      e. MasterPolyheed Series" - Master Builders Solutions
      f. Substitutions: See Section 01 60 00 - Product Requirements.

E. High Range Water Reducing Admixture (Super Plasticizer: ASTM C494/C494M Type F or type G.
   1. Products: Subject to compliance with requirements, provide one of the following
      a. Daracem 19 - W.R. Grace.
      b. ADVA 100 - W.R. Grace & Co.
      c. Catexol 1000SP-MN – Axim Concrete Technologies
      d. General Resource Technology - Melchem Superplasticizer
      e. MasterRheobuild 1000 or MasterGlenium Series - Master Builders Solutions
      f. Substitutions: See Section 01 60 00 - Product Requirements.

F. Water Reducing, Non-Chloride Accelerating Admixture: ASTM C494/C494M Type C or E.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Polarset - W.R. Grace.
      b. Catexol 2000RHE – Axim Concrete Technologies
      c. General Resource Technology - Polychem Superset
      d. MasterSet AC 534 or MasterSet FP 20 - Master Builders Solutions
      e. Substitutions: See Section 01 60 00 - Product Requirements.

G. Water Reducing and Retarding Admixture: ASTM C494/C494M Type D.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Daratard 17 - W.R. Grace.
      b. Eucon Retarder 100 - Euclid.
      c. Catexol 1000R – Axim Concrete Technologies
      d. MasterSet R Series or MasterSet DELVO Series - Master Builders Solutions
      e. Substitutions: See Section 01 60 00 - Product Requirements.

H. Water Reducing Admixture: ASTM C494/C494M Type A.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. WRDA 82 - W.R. Grace.
      b. MasterPozzolith Series – Master Builders Solutions
      c. Catexol 1000N – Axim Concrete Technologies

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

2.05 ACCESSORY MATERIALS

A. Underslab Vapor Retarder:
   1. Sheet Material: ASTM E1745, Class A; stated by manufacturer as suitable for installation in contact with soil or granular fill under concrete slabs. Single ply polyethylene is prohibited.
   2. Accessory Products: Vapor retarder manufacturer's recommended tape, adhesive, mastic, prefabricated boots, etc., for sealing seams and penetrations.
   3. Manufacturers:
      a. Henry Company; Moistop Ultra 10: www.henry.com/#sle.
      b. Inteplast Group; Barrier-Bac VB-250: www.barrierbac.com/#sle.
      c. ISI Building Products; Viper VaporCheck II 10-mil (Class A): www.isibp.com/#sle.
      d. Poly-America; Husky Yellow Guard 10-mil Vapor Barrier: www.yellowguard.com/#sle.
      e. Stego Industries, LLC; Stego Wrap 10 mil: www.stegoindustries.com.
      f. W. R. Meadows, Inc; PERMINATOR Class A - 10 mils (0.25 mm): www.wrmeadows.com/#sle.
      g. Vaporblock VB10 by Raven Industries: www.vaporblock.com
      h. Substitutions: See Section 01 60 00 - Product Requirements.

B. Non-Shrink Cementitious Grout: Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.
   1. Grout: Comply with ASTM C1107/C1107M.
   2. Minimum Compressive Strength at 48 Hours, ASTM C109/C109M: 2,000 pounds per square inch.
   3. Minimum Compressive Strength at 28 Days, ASTM C109/C109M: Strength rating per Material Strengths and Standards in the structural drawings.
   4. Flowable Products:
      a. Five Star Products, Inc; Five Star Fluid Grout 100: www.fivestarproducts.com/#sle.
      b. W. R. Meadows, Inc; 588-10K: www.wrmeadows.com/#sle.
      c. Substitutions: See Section 01 60 00 - Product Requirements.
   5. Low-Slump, Dry Pack Products:
      a. Five Star Products, Inc; Five Star Grout: www.fivestarproducts.com/#sle.
      b. SpecChem, LLC; SC Multipurpose Grout: www.specchemllc.com/#sle.
      c. W. R. Meadows, Inc; PAC-IT: www.wrmeadows.com/#sle.
      d. Substitutions: See Section 01 60 00 - Product Requirements.

C. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf.

D. Moisture-Retaining Cover: ASTM C171; clear polyethylene, white polyethylene, or white burlap-polyethylene sheet.

E. Bond Breaker: 4 mil plastic, 15# building paper, or vapor retarder returned up on wall.

2.06 BONDING AND JOINTING PRODUCTS

A. Latex Bonding Agent: Non-redispersable acrylic latex, complying with ASTM C1059/C1059M, Type II.
   1. Manufacturers:
      a. Kaufman Products Inc; SureBond: www.kaufmanproducts.net/#sle.
      b. SpecChem, LLC; Strong Bond Acrylic Bonder: www.specchemllc.com/#sle.
      c. W. R. Meadows, Inc; ACRY-LOK-: www.wrmeadows.com/#sle.
      d. Substitutions: See Section 01 60 00 - Product Requirements.

B. Epoxy Bonding System:
   1. Manufacturers:
      a. Adhesives Technology Corporation; _____: www.atcepoxy.com/#sle.

b. Dayton Superior Corporation; Slow Set Bonding Agent: www.daytonsuperior.com/#sle.
c. Kaufman Products Inc; SurePoxy HM EPL: www.kaufmanproducts.net/#sle.
d. Kaufman Products Inc; SurePoxy HM Class B: www.kaufmanproducts.net/#sle.
e. SpecChem, LLC; SpecPoxy 1000, SpecPoxy 2000, SpecPoxy 3000, or SpecPoxy 3000FS: www.specchemllc.com/#sle.
f. W. R. Meadows, Inc; Rezi-Weld Gel Paste, Rezi-Weld Gel Paste State, Rezi-Weld 1000: www.wrmeadows.com/#sle.
g. Substitutions: See Section 01 60 00 - Product Requirements.

C. Slab Isolation Joint Filler: 1/2 inch thick, height equal to slab thickness, with removable top section that will form 1/2 inch deep sealant pocket after removal.
1. Material: ASTM D8139, semi-rigid, closed-cell polypropylene foam.
2. Manufacturers:
a. Nomaco, Inc; Isoflex: www.nomaco.com.
b. Sakrete: Concrete Expansion Joint. www.sakrete.com
c. Quikcrete: Concrete Expansion Joint. www.quikrete.com
d. Greensteak: Polypropylene Expansion Board with Expansion Board Cap. www.greenstreak.com
e. Substitutions: See Section 01 60 00 - Product Requirements.

D. Slab Contraction Joint Device: Preformed linear strip intended for pressing into wet concrete to provide straight route for shrinkage cracking.
1. Manufacturers:
a. W. R. Meadows, Inc; Speed-E-Joint: www.wrmeadows.com/#sle.
b. Greenstreak: Zipcap. www.greenstreak.com
c. Substitutions: See Section 01 60 00 - Product Requirements.

E. Slab Construction Joint Devices: Combination keyed joint form and screed, galvanized steel or plastic, with minimum 1 inch diameter holes for conduit or rebars to pass through at 6 inches on center; ribbed steel stakes for setting. Removable screed cap to form minimum 1/4 inch wide by 3/8 inch deep joint.
1. Provide removable plastic cap strip that forms wedge-shaped joint for sealant installation.
2. Height: To suit slab thickness.
3. Manufacturers:
a. Form-A-Key Concrete Specialties Products: Key-Loc Joint System with #3017 Clean-Strip Cap. www.formakey.com
b. Greenstreak: Screed Cap. www.greenstreak.com
c. Substitutions: See Section 01 60 00 - Product Requirements.

2.07 CURING MATERIALS

A. Evaporation Reducer: Liquid thin-film-forming compound that reduces rapid moisture loss caused by high temperature, low humidity, and high winds; intended for application immediately after concrete placement.
1. Manufacturers:
a. Dayton Superior Corporation; Aquafilm Concentrate J74: www.daytonsuperior.com/#sle.
b. SpecChem, LLC; SpecFilm Concentrate or SpecFilm: www.specchemllc.com/#sle.
c. W. R. Meadows, Inc ; Evapre or Evapre-RTU: www.wrmeadows.com/#sle.
d. Substitutions: See Section 01 60 00 - Product Requirements.

B. Curing and Sealing Compound, Low Gloss: Liquid, membrane-forming, clear, non-yellowing acrylic; complying with ASTM C1315 Type 1 Class A.
1. Vehicle: Water-based.
2. Solids by Mass: 25 percent, minimum.
3. VOC Content: OTC compliant.
4. Manufacturers:

a. Concrete Sealers USA; TS202 Acrylic WB-25 Topical Sealer w/ Low Gloss: www.concretesealersusa.com/#sle.
b. Dayton Superior Corporation: www.daytonsuperior.com/#sle.
c. Euclid Chemical Company; DIAMOND CLEAR VOX: www.euclidchemical.com/#sle.
d. ProSpec: Cure & Seal WB 1315. www.tccmaterials.com
e. SpecChem; Cure & Seal 25. www.specchemllc.com
f. Lucas Products: #7200 Cure Seal Water Based. www.rmlucas.com
g. W. R. Meadows, Inc; VOCOMP-25: www.wrmeadows.com/#sle.
h. TK Products; TK TRI-SEAL 1315. www.tkproducts.com
i. Substitutions: See Section 01 60 00 - Product Requirements.

C. Curing and Sealing Compound, High Gloss: Liquid, membrane-forming, clear, non-yellowing acrylic; complying with ASTM C1315 Type 1 Class A.
1. Vehicle: Solvent-based.
2. Solids by Mass: 25 percent, minimum.
3. VOC Content: Ozone Transport Commission (OTC) compliant.
4. Manufacturers:
a. Master Builders Solutions: MasterKure CC 300 SB.
b. BRICKFORM: BRICKFORM Gem Cure and Seal 1315 - 650 VOC: www.brickform.com/#sle.
c. Kaufman Products Inc; Krystal 25: www.kaufmanproducts.net/#sle.
d. TK Products: Tri-Kure and Seal 1315. www.tkproducts.com
e. W. R. Meadows, Inc; Decra-Seal: www.wrmeadows.com/#sle.

D. Moisture-Retaining Sheet: ASTM C171.
1. Curing paper, regular.
2. Polyethylene film, white opaque, minimum nominal thickness of 4 mil, 0.004 inch.
3. White-burlap-polyethylene sheet, weighing not less than 3.8 ounces per square yard.

E. Water: Potable, not detrimental to concrete.

2.08 CONCRETE MIX DESIGN

A. Proportioning Normal Weight Concrete: Comply with ACI 211.1 recommendations.
1. Replace as much Portland cement as possible with fly ash, ground granulated blast furnace slag, silica fume, or rice hull ash as is consistent with ACI recommendations.

B. Admixtures: Add acceptable admixtures as recommended in ACI 211.1 and at rates recommended or required by manufacturer.

C. Normal Weight Concrete: Design all concrete mixes from the following table of requirements:

	W/C	%AIR	MAX	MIN
	MAX	+-1%	SLUMP	f'c(psi)
			(inches)	28 day
1. Concrete backfilled or protected				
from weather:				
a. Footings:	0.55		4	Refer to Struct Dwgs
b. Foundation walls:	0.50	6	4	Refer to Struct Dwgs
c. Slabs on Steel Form Deck & Topping:	0.50		4	Refer to Struct Dwgs

d. Slabs - Interior on Grade:	0.50		3	Refer to Struct Dwgs

1. Fly Ash Content: Maximum 20 percent of cementitious materials by weight when used alone.
   a. At walls, piers, interior slab on grade, bond beams and metal pan stairs: A maximum of 50 percent total replacement of portland cement with fly ash at a 1:1 ratio; up to 350 pounds, with a maximum 20 percent fly ash.
   b. At exposed columns, exterior slab on grade and miscellaneous non-scheduled concrete: A maximum of 20 percent total replacement of Portland cement with fly ash at a 1:1 ratio where freeze-thaw durability and exposure to deicers is likely; up to 350 pounds, with a maximum 20 percent fly ash.
2. Calcined Pozzolan Content: Maximum 10 percent of cementitious materials by weight.
   a. Note: Total of combination of flyash and calcined pozzalon shall not exceed 20 percent.
3. Maximum Coarse Aggregate Size: For footings 1 1/2 inch.
4. Maximum Coarse Aggregate Size: For slabs, walls, precast plank topping and piers: 3/4 inch.

2.09 MIXING

A. Transit Mixers: Comply with ASTM C94/C94M except where requirements in table above are more restrictive.

B. Adding Water: If concrete arrives on-site with slump less than suitable for placement, do not add water that exceeds the maximum water-cement ratio or exceeds the maximum permissible slump.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify lines, levels, and dimensions before proceeding with work of this section.

3.02 PREPARATION

A. Inspect all excavations and/or prepared subgrade for suitability of pouring concrete. No standing water, organic material, debris, etc., should be present. Slab subgrade should be compacted as specified and have optimum moisture content.

B. Points of concrete placement shall be clean, damp but not wet surfaces, or properly consolidated fills, but never soft mud, dry porous earth, or frozen ground.

C. Verify that forms are clean and free of rust before applying release agent.

D. Coordinate placement of embedded items with erection of concrete formwork and placement of form accessories.

E. Contractor shall make certain that references to all related sections for floor finishes and their substrate finish requirements are complied with including but not limited to; mix/slump, flatness, curing/sealing compounds, curing timeframe, aggregate colors etc.

F. Where new concrete is to be bonded to previously placed concrete, prepare existing surface by cleaning and applying bonding agent in according to bonding agent manufacturer's instructions.
   1. Use epoxy bonding system for bonding to damp surfaces, for structural load-bearing applications, and where curing under humid conditions is required.
   2. Use latex bonding agent only for non-load-bearing applications.

G. Interior Slabs on Grade: Install vapor retarder under interior slabs on grade. Comply with ASTM E1643. Lap joints minimum 6 inches. Seal joints, seams and penetrations watertight with manufacturer's recommended products and follow manufacturer's written instructions. Repair damaged vapor retarder before covering.

1. Vapor Retarder Over Granular Fill: Install compactible granular fill before placing vapor retarder as indicated on drawings. Do not use sand.

H. Repair underslab vapor barrier damaged during placement of concrete reinforcing. Repair with vapor retarder material; lap over damaged areas minimum 6 inches and seal watertight.

3.03 PLACING CONCRETE

A. Place concrete in accordance with ACI 304R.

B. Place concrete for floor slabs in accordance with ACI 302.1R.

C. Ensure reinforcement, inserts, and embedded parts will not be disturbed during concrete placement.

D. **Addition of water or admixtures to concrete on site without written approval of Architect/Engineer is prohibited and shall be grounds for rejection.**

E. Convey concrete from mixing to point of placement rapidly and continuously until unit of operation is completed using methods which prevent segregation or loss of ingredients. Deposit at or very near final placement position. Use chutes such that the concrete slides in the chute and does not flow. For vertical drops more than 5 feet, utilize tremies or similar devices to prevent segregation of concrete ingredients. Do not convey or handle concrete in containers or devices made of aluminum.

F. Place concrete continuously without construction (cold) joints wherever possible; where construction joints are necessary, before next placement prepare joint surface by removing laitance and exposing the sand and sound surface mortar, by sandblasting or high-pressure water jetting.

G. Consolidate placed concrete by vibration so the concrete is thoroughly worked around reinforcement, around embedded items, and into corners of forms, eliminating air or stone pockets which may cause honeycombing, pitting, or planes of weakness. Use mechanical vibrators with a minimum frequency of 7,000 revolutions per minute, operated by competent workmen. Use of vibrators to move concrete within forms is not permitted. Insert and withdraw vibrators at many points, from 18 to 30 inches apart for 5 to 10 seconds duration. Keep a spare vibrator on the Project Site during all concrete placement operations. Use vibrators of internal type, apply directly to concrete, not through formwork, except in sections too thin to permit insertion of internal type, in which case, employ use of form vibrators approved by Architect/Engineer.

H. Finish floors level and flat, unless otherwise indicated, within the tolerances specified below.

I. Concrete in vertical members shall have been in place at least four hours before concrete in horizontal or vertical members resting thereon is placed.

J. Placing concrete shall be continuous between vertical construction joints. Make vertical construction joints at approximately the center of a panel or beam, in a straight line to the full depth. See Project Drawings for location of architecturally delineated construction joints.

3.04 SLAB JOINTING

A. Locate joints as indicated on drawings.

B. Anchor joint fillers and devices to prevent movement during concrete placement.

C. Isolation Joints: Use preformed joint filler with removable top section for joint sealant, total height equal to thickness of slab, set flush with top of slab.
1. Install wherever necessary to separate slab from other building members, including columns, walls, equipment foundations, footings, stairs, manholes, sumps, and drains.
2. Conform to Section 07 92 00 for finish joint sealer requirements.

D. Saw Cut Contraction Joints: Saw cut joints as soon as joints can be cut without joint deformation; use 3/16 inch thick blade and cut at least 1 inch deep but not less than one quarter (1/4) the depth of the slab. Apply specified sealant from 07 92 00 flush with floor.

E. Construction Joints: Where not otherwise indicated, use metal combination screed and key form, with removable top section for joint sealant.

F. Separate slabs on grade from vertical surfaces with bond break of #15 felt, 6 mil poly or slab vapor barrier.

3.05 STRUCTURAL COMPONENT JOINTS

A. Construction joints for walls and continuous wall footings shall have reinforcing cross joints so that shear keys will not be necessary. Construction joints will be located at Contractor's discretion and will be at such locations that each section can be filled in one continuous operation.

B. Construction joints for concrete beams and structural slabs shall be at mid-span. Reinforcing shall extend through joint. No horizontal joint will be allowed.

C. Construction joints for concrete columns shall be at underside of each floor level.

3.06 FLOOR FLATNESS AND LEVELNESS TOLERANCES

A. An independent testing agency, as specified in Section 01 40 00, will inspect finished slabs for compliance with specified tolerances.

B. Minimum F(F) Floor Flatness and F(L) Floor Levelness Values:
   1. Exposed to View and Foot Traffic: F(F) of 20; F(L) of 15, on-grade only.
   2. Under Thick-Bed Tile: F(F) of 20; F(L) of 15, on-grade only.
   3. Under Carpeting: F(F) of 25; F(L) of 20, on-grade only.
   4. Under Thin Resilient Flooring and Thinset Tile: F(F) of 35; F(L) of 25, on-grade only.

C. Measure F(F) Floor Flatness and F(L) Floor Levelness in accordance with ASTM E1155 (ASTM E1155M), within 48 hours after slab installation; report both composite overall values and local values for each measured section.

D. Correct the slab surface if composite overall value is less than specified and if local value is less than two-thirds of specified value or less than F(F) 13/F(L) 10.

E. Correct defects by grinding or by removal and replacement of the defective work. Areas requiring corrective work will be identified. Re-measure corrected areas by the same process.

3.07 COLD WEATHER REQUIREMENTS

A. Cold weather requirements govern when minimum ambient temperature is expected to fall below 40 degrees F.
   1. Concrete will not be placed on frozen ground.
   2. Mix, place, protect and cure concrete in strict accordance with ACI 306 R-88 "cold Weather Concreting".

3.08 HOT WEATHER REQUIREMENTS

A. Hot weather requirements govern when maximum ambient temperature is expected to rise above 85 degrees F.

B. Mix, place, protect and cure concrete in strict accordance with ACI 305R.

C. Admixtures proposed for construction under these conditions, such as water-reducing retarders, shall be tested thoroughly with concrete mixes for this job. All aspects of concrete construction applicable shall be considered before approval. Submit specifications on retarder to Engineer for approval with concrete mix designs.

D. Batch, mix and transport concrete per ACI 304R.

E. Water curing will be required for hot weather construction.

3.09 CONCRETE FINISHING

A. Concrete Slabs: Finish to requirements of ACI 302.1R, and as follows:
   1. Surfaces to Receive Thin Floor Coverings: "Steel trowel" as described in ACI 302.1R thin floor coverings include carpeting, resilient flooring, thin set ceramic tile, thin set quarry tile, and epoxy terrazzo. High gloss finish from power trowel not acceptable.
   2. Surfaces to be Sealed: Troweled finish.

B. Exterior Foundation Wall Surface Form Finish: Rub down or chip off fins or other raised areas 1/4 inch or more in height. Fill tie break-off holes with grout flush with wall.

C. Surfaces to Receive Thick Floor Coverings: "Wood float" as described in ACI 302.1R; thick floor coverings include quarry tile, ceramic tile, and Portland cement terrazzo with full bed setting system.

D. Exposed Form Finish: Rub down or chip off and smooth fins or other raised areas 1/4 inch or more in height. Provide finish as follows:
   1. Smooth Rubbed Finish: Wet concrete and rub with carborundum brick or other abrasive, not more than 24 hours after form removal.
   2. Other Surfaces to Be Left Exposed: Trowel as described in ACI 302.1R, minimizing burnish marks and other appearance defects.

3.10 CURING AND PROTECTION

A. Take every precaution to ensure that all concrete operations are performed promptly and without interruption.

B. Moisture cure slabs only. Exception; where curing/sealing compounds are indicated.

C. Comply with requirements of ACI 308R. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.

D. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete.
   1. Normal concrete: Not less than seven days.
   2. High early strength concrete: Not less than four days.

E. Begin final curing after initial curing but before surface is dry.

F. Formed Surfaces: Cure by moist curing with forms in place for full curing period.

G. Surfaces Not in Contact with Forms:
   1. Slabs and Floors To Receive Adhesive-Applied Flooring: Curing compounds and other surface coatings are usually considered unacceptable by flooring and adhesive manufacturers. If such materials must be used, either obtain the approval of the flooring and adhesive manufacturers prior to use or remove the surface coating after curing to flooring manufacturer's satisfaction.
   2. Initial Curing: Start as soon as free water has disappeared and before surface is dry. Keep continuously moist for not less than three days by water-fog spray or saturated burlap.
   3. Final Curing: Begin after initial curing but before surface is dry.
      a. Moisture-Retaining Cover: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches and sealed by waterproof tape. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
      b. Curing/Sealing Compound (At sealed concrete locations only): Apply in two coats at right angles, using application rate recommended by manufacturer.

3.11 FIELD QUALITY CONTROL

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

B. Provide free access to concrete operations at project site and cooperate with appointed firm.

C. Submit proposed mix design of each class of concrete to inspection and testing firm for review prior to commencement of concrete operations.

D. Record time, place, mix design, quantity, slump, concrete temperature, air temperature and weather conditions, cylinders taken, date shoring is removed, curing and other data pertaining to concrete placement.

E. Tests of concrete and concrete materials may be performed at any time to ensure compliance with specified requirements.

F. Compressive Strength Tests: ASTM C39/C39M. For each test, mold and cure four concrete test cylinders. Obtain test samples for first 50 cu yd or less of each class of concrete placed. Cast one set of four test cylinders for each additional 100 cu. yd.
   1. Test one (1) cylinder at 7 days and two (2) cylinders at 28 days and (1) on hold.
   2. For first set of cylinders cast for slab-on-grade, test one (1) cylinder at 3 days. Analyze probable 28 day strength. Inform Architect/Engineer immediately by telephone if there appears to be concern for achieving required 28 day strength.
   3. If reasonable consistency of slump and air tests is recorded on 4 consecutive tests, testing company may reduce requirements to test every 150 cu. yds.

G. Take one additional test cylinder during cold weather concreting, cured on job site under same conditions as concrete it represents.

H. Deviation from specifications shall be grounds for rejection.

I. **Addition of water or admixtures to concrete on site without written approval of Architect/Engineer is prohibited and shall be grounds for rejection.**

3.12 MOISTURE TESTING

A. Testing requirements are addressed in Section 09 05 61.

3.13 DEFECTIVE CONCRETE

A. Test Results: The testing agency shall report test results in writing to Architect and Contractor within 24 hours of test.

B. Defective Concrete: Concrete not complying with required lines, details, dimensions, tolerances or specified requirements.

C. Repair or replacement of defective concrete will be determined by the Architect. The cost of additional testing shall be borne by Contractor when defective concrete is identified.

D. Do not patch, fill, touch-up, repair, or replace exposed concrete except upon express direction of Architect for each individual area.

END OF SECTION

SECTION 14 45 00

VEHICLE LIFTS

PART 1: GENERAL

1.01 WORK INCLUDED

A. Vehicle lift including safety equipment, controls and accessories for installation in a automotive service bay.

1.02 RELATED WORK

A. Section 03 30 00 Cast-In-Place Concrete: Coordinate supporting slab requirements.

B. Electrical: Division 26.

1.03 REFERENCES

A. ANSI/ALI ALIS: 2009 (R2015) Standard for Automotive Lifts - Safety Requirements for Installation and Service.

B. ANSI/ALI ALCTV: 2017 Standard for Automotive LIfts - Safety Requirements for Construction, Testing, and Validation

C. ALI: Automotive Lift Institute.

1.04 SUBMITTALS

A. Submit the following:
   1. Product Data: Manufacturer's catalog information edited to indicate specific products and related accessories to be provided for this Project. Include specifications and replacement parts list.
   2. Shop drawings: Showing all details of construction, location of electrical connections, anchorages, relationship to adjoining construction and load reactions.
   3. Instructions: Operation and maintenance of lift equipment.
   4. Certification: Documentation of manufacturer approval of the distributor and installer.

1.05 WARRANTY

A. Provide manufacturer’s standard warranty.

B. Correct defective Work within a one year period after Date of Substantial Completion.

1.06 QUALITY ASSURANCE

A. Installer Qualifications
   1. Factory trained authorized company.
   2. Insured for complete operations of installation.

B. Install in accordance with manufacturer instructions.

C. Provide lift compliant with ANSI/ALI ALCTV: 2017 Standard for Automotive LIfts - Safety Requirements for Construction, Testing, and Validation. Provide ALI gold label certified lift.

PART 2: PRODUCTS

2.01 VEHICLE LIFT

A. Provide complete assembly for a functional single-source installation including but not limited to; Control console, hydraulic system (hoses, pipes, pumps, reservoirs etc.), electrical wiring and circuits, safety features, motors, disconnects and waterproofing.

B. Basis of Design:
   1. Manufacturer: Design based on; Rotary Lift; www.rotarylift.com
   2. Model: SPOA10N700BL

C. Comparable Manufacturers:
   1. Challenger Lifts; www.challengerlifts.com

D. NOTE: IT IS THE RESPONSIBILITY OF THE AWARDED SUPPLIER TO CONFIRM ALL REQUIRED DIMENSIONS AND ROUGHINS AND SUBMIT TO THE GENERAL PRIME

CONTRACTOR ON A TIMELY BASIS FOR PROPER PREPARATION OF UNDERFLOOR WIRING AND REINFORCED OR THICKENED SLAB IF NECESSARY.

E. Provide manufacturer specified shims or otherwise follow manufacturer requirements for installation of lift on a sloped slab.

F. Dimensions, Capacities and Requirements: Refer to manufacturer datasheet for the basis of design model.

PART 3: EXECUTION

3.01 EXAMINATION

A. Verify that supporting structure meets the requirements for installation.

B. Notify A/E of unsatisfactory conditions.

C. Proceeding with installation indicates approval of conditions.

3.02 INSTALLATION

A. Install lift in accordance with manufacturer's directions.

B. Contractor shall operate and test lift in presence of A/E and Owner.

3.03 ADJUST AND CLEAN

A. Adjustments
   1. Adjust lift to operate to within accepted design tolerances.
   2. Lubricate all equipment in accordance with accepted manufacturer's instructions.

B. Clean Up
   1. Remove all loose materials and fillings resulting from this work.
   2. Clean floor of dirt, oil and grease.
   3. Remove crating and packing materials from premises.

3.04 TRAINING

A. Provide acceptable training of personnel. The quality of the training shall be such that at the conclusion of the specified training time, each individual with their assigned category, shall be capable of safely operating the system.

B. For all types of training, the associated technical data shall be on hand at the time of instruction, and its use and interpretation shall be covered.

C. All instructions and materials, both oral and written, shall be in the English language.

END OF SECTION

SECTION 32 31 13
CHAIN LINK FENCING AND GATES

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. 8’ Tall Black Chain Link Fencing

B. Service Gates

C. Pedestrian Gates

1.2 SHOP DRAWINGS AND PRODUCT DATA

A. Submit shop drawings and product data.

B. Clearly indicate plan layout, grid, spacing of components, accessories, fittings, and anchorage.

C. Submit manufacturer's installation instructions and procedures.

1.3 REFERENCES

A. ASTM A491 -Standard Specification for Aluminum Coated Steel Chain Link Fence Fabric

B. ASTM A392 -Standard Specification for Hot Dipped Zinc Coated Galvanized Steel Chain Link Fence Fabric

C. ASTM 1428 -Standard Test Method for Weight of Coating on Aluminum-Coated Iron or Steel Articles

D. ASTM A120 -Standard Specification for Pipe, Steel, Black and Hot-Dipped Zinc-Coated (galvanized) Welded and Seamless, for Ordinary Uses

E. ASTM E8 -Tension Testing of Metallic Materials

F. ASTM F552 -Standard Definitions of Terms Relating to Chain Link Fencing

G. ASTM F567 -Standard Practice for Installation of Chain Link Fence

H. ASTM F626 -Standard Specification for Fence Fittings

I. ASTM F669 -Standard Specification for Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence

J. FS RR-F-191J -Fencing, Wire and Post, Metal (and Gates, Chain Link Fence Fabric, and Accessories)

K. RFS RR-F-00191 0 -Fencing, Wire and Post

PART 2 – PRODUCTS

2.1 MATERIALS, ALUMINUM COATED OR GALVANIZED

A. ASTM A569 SS-40 Pipe.

B. Chain Link Fence:

1. Aluminum-coated steel, in accordance with ASTM A491. Thoroughly degrease, rinse, and coat fabric with clear acrylic lacquer by the complete immersion process in line with the weaving process before taking up into rolls for shipment. Minimum weight of aluminum coating is 0.40 oz/ft for 6 and 9 gauge, as measured in accordance with ASTM A428.

2. Hot dipped, zinc coated, steel (galvanized) in accordance with ASTM A392. Minimum weight of coating shall be 2 oz. per sq. ft.

3. Vinyl Coated Fence in accordance with ASTM F668 fuse bonded class 2b or polyester, polyolefin elastomer powder coating per ASTM F1043. Minimum 9 gauge mesh, as measured in accordance with ASTM A428, for vinyl coating.

C. Tension Wire: Aluminized-coated steel, in a marcelled or coil spring configuration to provide stretch ability.

D. Fittings: In compliance with ASTM F626, galvanized steel.

F. Stair/ ADA hand railings as fabricated per site details.

2.2 COMPONENTS

A. Posts:

1. 8’ Tall Fence: SS-40 4.64 lbs/ft. 2.875” outside diameter

B. Corner and Terminal Posts:

1. 8’ Tall SS-40 4.64 lbs./ft 2.875” outside diameter.

C. Corner and terminal posts for service gates:

1. 25’ Wide or Less SS-40 6.56 lbs./ft 4” outside diameter
2. 26’ Wide or Greater Sch 40 18.97 lbs/ft 6.625” outside diameter

D. Top and Brace Rail (Straight Run): SS-40 1.84 lbs/ft 1.66” outside diameter tubular section.

Top Rail (Curves): SS-30 1.59 lbs/ft 1.66” outside diameter tubular section.

E. Chain Link Fabric:

1. 2” mesh woven from 9 gauge aluminized steel wire, top selvage knuckled bottom selvage knuckled in accordance with ASTM A491 (General Fence Areas)

F. Bottom Tension Wire: 7 gauge galvanized or aluminized steel.

G. Tie Wires for securing chain link fabric to horizontal rails and to line posts over 2.375” OD: 6 gauge aluminum alloy wire.

H. Hog Rings for securing chain link fabric to tension wire: 12 gauge aluminum alloy wire.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Landscape finish grading shall be completed prior to setting line posts. Install line posts, corner posts, terminal posts and horizontal rails with brace bands, rail ends, rail sleeves, line post caps, tension bands, tension bars, chain link fabric and gates to provide a rigid structure for fence. Use manufacturer's standard fittings, fasteners and hardware.

B. Space line posts uniformly and on 8’ foot maximum centers.

C. Line posts driven a minimum of 5’ deep on 8’ tall fencing.

D. Set posts plumb and true to line and grade.

E. Corner and terminal posts set in 48” x 12” concrete footings or as indicated on the plan set documents. Hold concrete 3” below finish grade.

F. Position bottom of fabric 1.5” above finished grade with tension wire stretched taut between terminal posts 2” to 3” above bottom of fabric.

G. Knuckle top and bottom standards of all fabric.

H. Pass top rail through line post caps/angled arm and attach securely to terminal posts.

I. Install brace rail and adjustable truss rod between end, corner and gate posts and first line post.

J. Stretch chain link fabric taut between terminal posts, supporting its weight as necessary with temporary tie wires.

K. Attach fabric to end, corner and gate posts with tension bars and tension bands, using one less band than height of fabric of feet, or approximately 14” on center.

L. Attach fabric to horizontal rails and line posts with tie tires and to tension wire with hog rings, five (5) tie wires, or hog rings per 10’ bay, or approximately 24” on center. Fence fabric shall be placed on the inside of posts around track and placed on the outside of posts along perimeter fence.

M. Install gates and adjust true to fence line and grade.

3.2 CLEAN UP

A. Dispose of excessive material to certified landfill.

B. All pipe, concrete, fabric and miscellaneous parts shall be removed from site.

C. Grade subgrade to within 1" of finish subgrade after work is completed.

3.3 UTILITY LOCATES

A. All required Diggers Hotline locates and private utility locates shall be ordered and paid for by each contractor requiring the locate service.

END OF SECTION

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

HSR #19041 **SEPTEMBER 2021** **BID DOCUMENTS**

INDEX OF DRAWINGS

GENERAL

CIVIL

ARCHITECTURAL

INTERIOR DESIGN

STRUCTURAL

PLUMBING

MECHANICAL

ELECTRICAL

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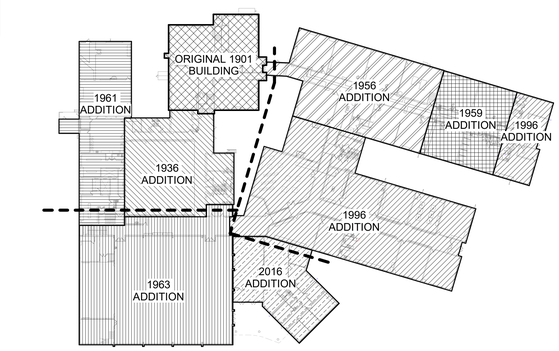

1 BUILDING KEY
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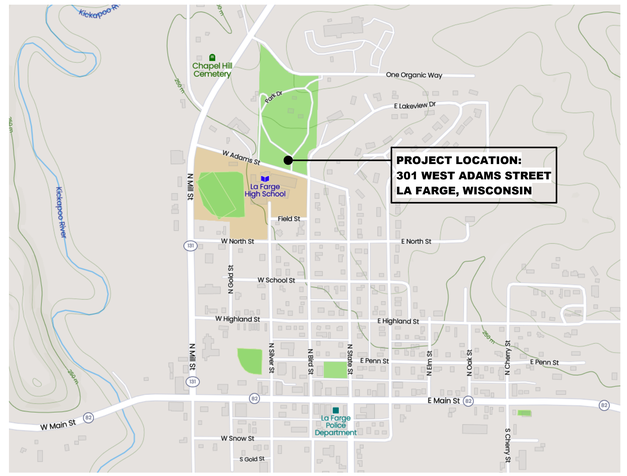

CITY MAP
SITE LOCATION MAP

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET LA FARGE, WISCONSIN

Sheet Title: COVER SHEET

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: HSR

Key Plan:

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

Graphic Scale: VARIES

Last Update: 9/29/2021 3:11:17 PM

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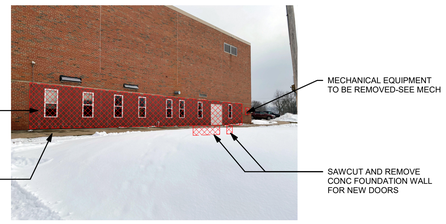


3 SHOP DEMO

4 WEST WALL DEMO

KEY NOTES REMOVAL

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

REMOVAL GENERAL NOTES:

A. ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.

B. AT WALL TYPES/MATERIALS: PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL OF EXISTING FINISHES, TAPES, GLUES/MASTIC, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.

C. OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.

D. MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING.

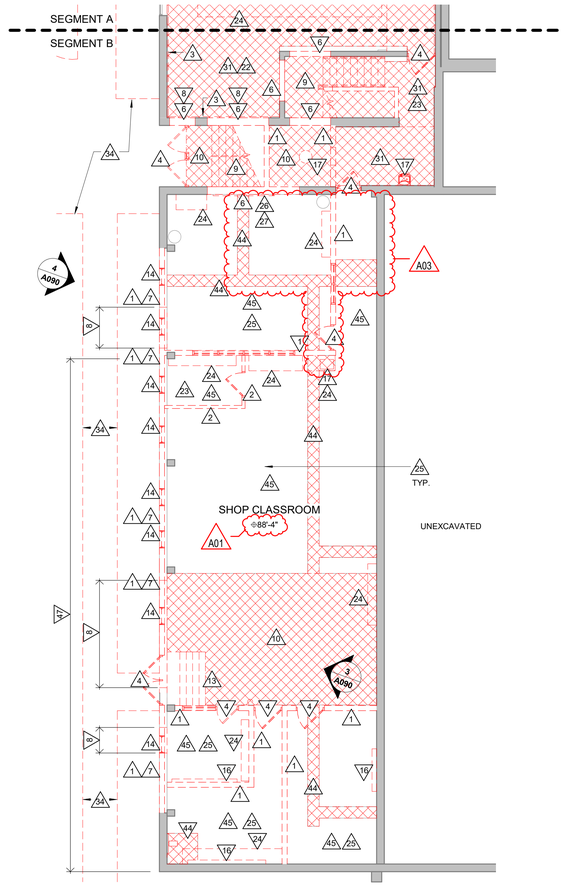
E. ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.

F. COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.

G. PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:

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



1 LOWER LEVEL DEMO PLAN - SEG A

1/8" = 1'-0"

2 LOWER LEVEL DEMO PLAN - SEG B

1/8" = 1'-0"

ARCHITECTURE
ENGINEERING
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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

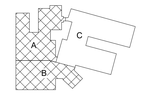
Sheet Title: LOWER LEVEL DEMO - SEGMENT A & B

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADD1	9.20.2021
A03	ADD3	9.28.2021

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

Last Update: 9/27/2021 9:18:15 AM

A090

REMOVAL GENERAL NOTES:

A. ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.

B. AT WALL TYPES/MATERIALS: PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO REMOVAL OF EXISTING FINISHES, TAPES, GLUES/MASTIC, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.

C. OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.

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E. ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.

F. COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.

G. PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.

REMOVAL PLAN LEGEND:

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

KEY NOTES REMOVAL

1	REMOVE CMU WALL
2	REMOVE GYP BD/PLASTER AND WOOD STUD WALL
3	REMOVE WOOD FURRING AND WALL FINISH
4	REMOVE DOOR AND FRAME, INCLUDING SIDELIGHT AND/OR TRANSOM WHERE APPLICABLE
5	REMOVE OVERHEAD DOOR, TRACK AND OPERATOR
6	CREATE OPENING IN EXISTING MASONRY WALL FOR NEW DOOR/WINDOW. OVERSIZE DEMOLISHED OPENING AS REQUIRED FOR INSTALLATION OF JAMB REINFORCING - SEE STRUCTURAL DRAWINGS FOR LINTEL AND JAMB REINFORCING
7	REMOVE STUD FRAMED EXTERIOR INFILL WALL
8	SAWCUT OPENING IN EXISTING CONC. WALL FOR NEW DOOR. REMOVE WALL DOWN TO 8" BELOW FLOOR LINE
9	REMOVE CONCRETE STAIR SYSTEM AND HANDRAILS. REMOVE EXISTING FILL AS REQUIRED FOR NEW CONSTRUCTION.
10	SAWCUT AND REMOVE CONC. FLOOR SLAB AT HATCHED AREAS.
11	REMOVE 6" RAISED CONC PLATFORM AND VCT FLOORING
12	REMOVE CONC RAMP AND VCT FLOORING
13	REMOVE CONC/WOOD FRAMED STAIR AND PLATFORM
14	REMOVE VINYL CLAD WINDOW
15	REMOVE ALUM WINDOW
16	MECHANICAL EQUIPMENT TO BE REMOVED - SEE MECHANICAL DRAWINGS
17	PLUMBING EQUIPMENT/FIXTURE AND RELATED PIPING TO BE REMOVED - SEE PLUMBING DRAWINGS
18	CATCH BASIN TO BE REMOVED/INFILLED - SEE PLUMBING DRAWINGS
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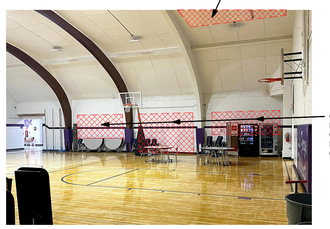
52	REMOVE METAL ROOF EDGE
53	EXISTING GAS METER TO BE REMOVED - SEE PLUMBING

1 FIRST FLOOR DEMO PLAN - SEG A

1/8" = 1'-0"



2 SOUTH MULTIPURPOSE DEMO

ALTERNATE BID

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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

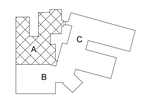
Sheet Title: FIRST FLOOR DEMO PLAN - SEGMENT A

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

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

Last Update: 9/27/2021 9:19:07 AM

A091

1 FIRST FLOOR DEMO PLAN -SEG C

1/8" = 1'-0"

EXISTING GAS METER TO BE REMOVED

REMOVE EXISTING WALL (BETWEEN COLUMNS) AS REQUIRED FOR REMOVAL OF EXISTING BOILERS-SALVAGE WINDOW, STONE SILL AND BRICK FOR REUSE.
REBUILD WALL TO MATCH EXISTING AFTER BOILERS ARE REMOVED.

2 NORTH WALL DEMO

REMOVAL GENERAL NOTES:

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REMOVAL PLAN LEGEND:

- SYMBOL INDICATES REMOVAL NOTE THIS SHEET
- REMOVE ITEMS NOTED WITH DASHED LINES
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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

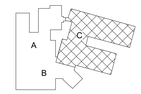
Sheet Title: FIRST FLOOR DEMO PLAN - SEGMENT C

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

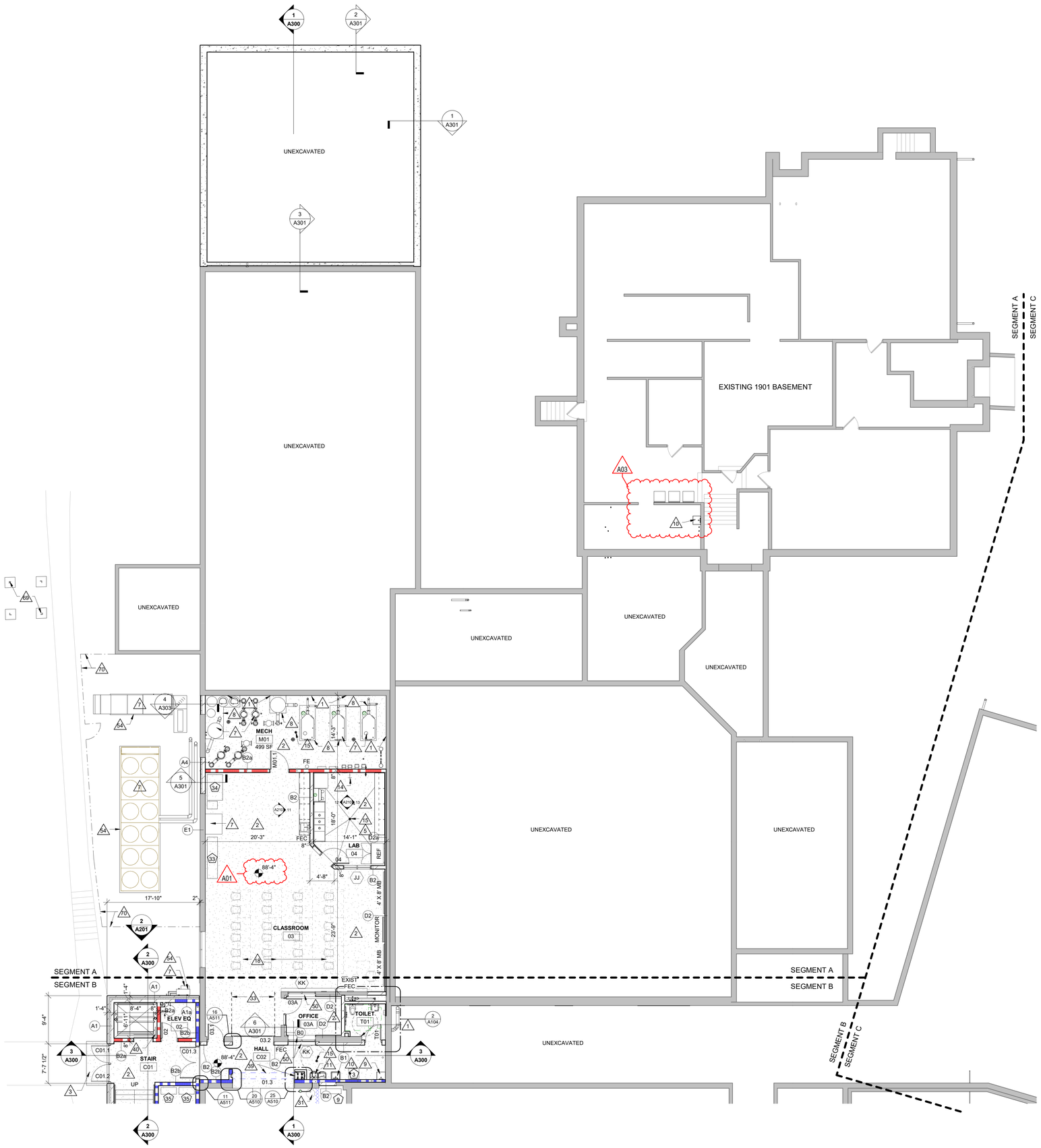
Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

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

Last Update: 9/29/2021 9:25:05 AM

A093



1 LOWER LEVEL - SEGMENT A

1/8" = 1'-0"

PLAN GENERAL NOTES:

A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.

B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.

C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS **A103-A104** FOR ALL EQUIPMENT NOTES.

E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.

F. PAINT ALL EXPOSED STEEL LINTELS.

G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A511** FOR TOP OF WALL DETAILS.

H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.

I. SEE **A511** FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.

J. SEE **A511** FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.

K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

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

KEY NOTES PLAN

A01

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

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	REMARKS	ROOM #	MFG.	MODEL	DUST COL	EXHAUST	AIR
1	LATHE	EXISTING	01	DELTA	LA200	No	No	No
2	BAND SAW	EXISTING	01	DELTA	28-254	Yes	No	No
3	PORTABLE AIR COMPRESSOR	EXISTING	C02	CRAFTSMAN	919.165230	No	No	No
4	PLANER	EXISTING	01	GRIZZLY	G0454Z	Yes	No	No
5	DISC SANDER	EXISTING	01	ROCKWELL	31-710	Yes	No	No
6	TABLE SAW	EXISTING	01	SAWSTOP	PCS 31230	Yes	No	No
7	CHOP SAW TABLE	EXISTING	01			Yes	No	No
8	WORK TABLE	EXISTING	01			No	No	No
9	CLAMP RACK	EXISTING	01			No	No	No
10	GLUE TABLE	EXISTING	01			No	No	No
11	CNC TABLE	EXISTING	01			Yes	No	No
12	DRILL PRESS	EXISTING	01	DELTA	70-200	No	No	No
13	SANDING TABLE	EXISTING	01			No	No	No
14	SMALL TOOL TABLE (DRILL PRESS/MORTISE)	EXISTING	01			No	No	No
15	SCROLL SAW	EXISTING	01			No	No	No
16	JOINTER	EXISTING	01	JET	JJ-6CSX	Yes	No	No
17	ROUTER TABLE	EXISTING	01			Yes	No	No
18	WORK TABLE (METALS)	EXISTING	01			No	No	No
19	TALL STORAGE CABINET	EXISTING	01			No	No	No
20	TOOL BOX	EXISTING	01			No	No	No
21	WORK BENCH	EXISTING	01			No	No	No
22	HOMAK STORAGE	EXISTING	01			No	No	No
23	METAL CHOP SAW	EXISTING	01			No	No	No
24	GRINDER (LARGE)	EXISTING	01	BALDOR	7306	No	No	No
25	GRINDER (SMALL)	EXISTING	01	BALDOR	612	No	No	No
26	WELDING TABLE	EXISTING	01			No	No	No
27	TIRE BALANCER	EXISTING	01			No	No	No
28	TIRE MOUNTING	EXISTING	01	RANGER	RX850	No	No	No
29	MILLER THUNDERBOLT XL	EXISTING	01	MILLER	THINDERBOLT XL	No	Yes	No
30	PLASMA CUTTER	EXISTING	01	HYPERTHERM	POWERMAX 380	No	Yes	No
31	MILLER 212	EXISTING	01	MILLER	212	No	No	No
32	ECONOTIG	EXISTING	01	MILLER	ECONOTIG	No	Yes	No
33	3D PRINTERS	EXISTING	03			No	No	No
34	LASER W/ FUME EXTRACTOR	EXISTING	03	UNIVERSAL		No	Yes	No
35	FLAMMABLE STORAGE	EXISTING	01A			No	No	No
36	TWO POST LIFT	NEW	01	ROTARY LIFT	SPOA10 10,000#	No	No	No

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:

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

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

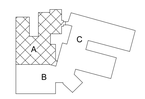
Sheet Title: **LOWER LEVEL - SEGMENT A**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

BID DOCUMENTS

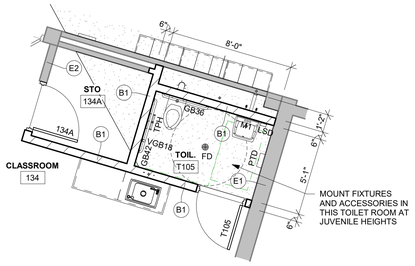
Revisions:

No.	Description	Date
A01	ADD1	9.20.2021
A03	ADD3	9.28.2021

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

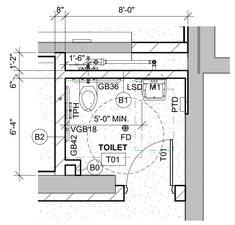
Last Update: **9/27/2021 9:20:58 AM**

A103



3 ENLARGED TOILET RM PLAN

1/4" = 1'-0"



2 ENLARGED TOILET RM PLAN

1/4" = 1'-0"

ACCESSORY SCHEDULE

SEE NOTES / MOUNTING INFORMATION ON A002

ABBREVIATION	ITEM	STD. MNT. HEIGHT	JUVENILE MNT. HEIGHT
CH	COAT HOOK (DOUBLE)	TOP @ 46" A.F.F.	
GB36	1 1/2" DIA. GRAB BAR, 36" LONG. SEE PLANS FOR CONFIG./DIMS.	CENTER @ 34" A.F.F.	CENTER @ 20"-25" A.F.F.
GB42	1 1/2" DIA. GRAB BAR, 42" LONG. SEE PLANS FOR CONFIG./DIMS.	CENTER @ 34" A.F.F.	CENTER @ 20"-25" A.F.F.
LSD	LIQUID SOAP DISP. (OFCI)	BOT @ 42" A.F.F.	BOT @ 38" A.F.F.
MBH	MOP AND BROOM HOLDER	TOP @ 72" A.F.F.	
M1	1'-6"W X 3'-0"H MIRROR WITH FRAME	BOT @ 40" A.F.F. MAX.	BOT @ 40" A.F.F. MAX.
MB	MARKER BOARD	BOT @ 36" A.F.F.	
PTD	PAPER TOWEL DISPENSER (OFCI)	BOT @ 46" A.F.F.	BOT @ 38" A.F.F.
TB	TACK BOARD	BOT @ 36" A.F.F.	
TPH	DBL TOILET PAPER HOLDER (OFCI)	BOT @ 24" A.F.F.	BOT @ 14"-17" A.F.F.
VGB18	1 1/2" DIA. VERTICAL GRAB BAR - 18" LONG	BOT @ 40" A.F.F.	BOT @ 26"-30" A.F.F.

ACCESSORIES GENERAL NOTES:

1. NOT ALL ACCESSORIES REFERENCED ON SHEET A002 ARE INCLUDED IN THIS PROJECT. SEE ENLARGED FLOOR PLANS / ELEVATION SHEETS FOR ACCESSORIES LOCATIONS / LAYOUT.
2. ALL ACCESSORIES TO BE - **PROVIDED AND INSTALLED BY CONTRACTOR**, UNLESS NOTED OTHERWISE
3. CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
4. SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.
5. OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED BASIS OF DESIGN MODEL PROVIDED BY OWNER; VERIFIED FOR PLACEMENT COORDINATION
6. PROVIDE INSULATION WRAP AT EXPOSED PIPING AT SINKS WHERE NO OTHER PROTECTION IS PROVIDED

PLAN GENERAL NOTES:

A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.

B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.

C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS **A103-A104** FOR ALL EQUIPMENT NOTES.

E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.

F. PAINT ALL EXPOSED STEEL LINTELS.

G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A511** FOR TOP OF WALL DETAILS.

H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.

I. SEE **A511** FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.

J. SEE **A511** FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.

K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

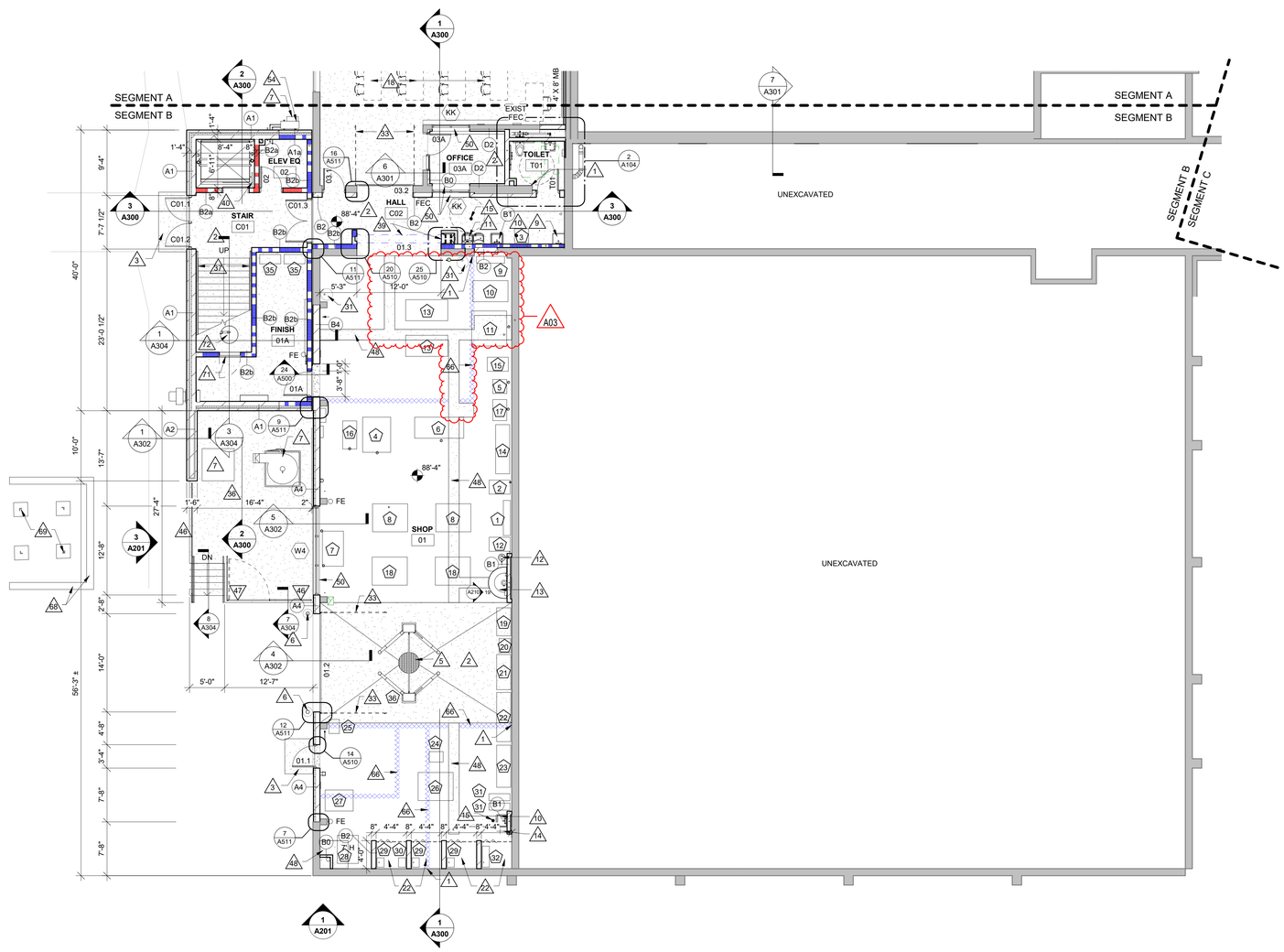
M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

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

KEY NOTES PLAN

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



1 LOWER LEVEL - SEGMENT B

1/8" = 1'-0"

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	REMARKS	ROOM #	MFG.	MODEL	DUST COL.	EXHAUST	AIR
1	LATHE	EXISTING	01	DELTA	LA200	No	No	No
2	BAND SAW	EXISTING	01	DELTA	28-254	Yes	No	No
3	PORTABLE AIR COMPRESSOR	EXISTING	C02	CRAFTSMAN	919.165230	No	No	No
4	PLANER	EXISTING	01	GRIZZLY	G0454Z	Yes	No	No
5	DISC SANDER	EXISTING	01	ROCKWELL	31-710	Yes	No	No
6	TABLE SAW	EXISTING	01	SAWSTOP	PCS 31230	Yes	No	No
7	CHOP SAW TABLE	EXISTING	01			Yes	No	No
8	WORK TABLE	EXISTING	01			No	No	No
9	CLAMP RACK	EXISTING	01			No	No	No
10	GLUE TABLE	EXISTING	01			No	No	No
11	CNC TABLE	EXISTING	01			Yes	No	No
12	DRILL PRESS	EXISTING	01	DELTA	70-200	No	No	No
13	SANDING TABLE	EXISTING	01			Yes	No	No
14	SMALL TOOL TABLE (DRILL PRESS/MORTISE)	EXISTING	01			No	No	No
15	SCROLL SAW	EXISTING	01			No	No	No
16	JOINTER	EXISTING	01	JET	JJ-6CSX	Yes	No	No
17	ROUTER TABLE	EXISTING	01			Yes	No	No
18	WORK TABLE (METALS)	EXISTING	01			No	No	No
19	TALL STORAGE CABINET	EXISTING	01			No	No	No
20	TOOL BOX	EXISTING	01			No	No	No
21	WORK BENCH	EXISTING	01			No	No	No
22	HOMAK STORAGE	EXISTING	01			No	No	No
23	METAL CHOP SAW	EXISTING	01			No	No	No
24	GRINDER (LARGE)	EXISTING	01	BALDOR	7306	No	No	No
25	GRINDER (SMALL)	EXISTING	01	BALDOR	612	No	No	No
26	WELDING TABLE	EXISTING	01			No	No	No
27	TIRE BALANCER	EXISTING	01			No	No	No
28	TIRE MOUNTING	EXISTING	01	RANGER	RX850	No	No	No
29	MILLER THUNDERBOLT XL	EXISTING	01	MILLER	THINDERBOLT XL	No	Yes	No
30	PLASMA CUTTER	EXISTING	01	HYPERTHERM	POWERMAX 380	No	Yes	No
31	MILLER 212	EXISTING	01	MILLER	212	No	No	No
32	ECONOTIG	EXISTING	01	MILLER	ECONOTIG	No	Yes	No
33	3D PRINTERS	EXISTING	03			No	No	No
34	LASER W/ FUME EXTRACTOR	EXISTING	03	UNIVERSAL		No	Yes	No
35	FLAMMABLE STORAGE	EXISTING	01A			No	No	No
36	TWO POST LIFT	NEW	01	ROTARY LIFT	SPOA10 10,000#	No	No	No

ARCHITECTURE
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Consultant:

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

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

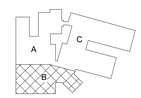
Sheet Title: **LOWER LEVEL - SEGMENT B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

BID DOCUMENTS

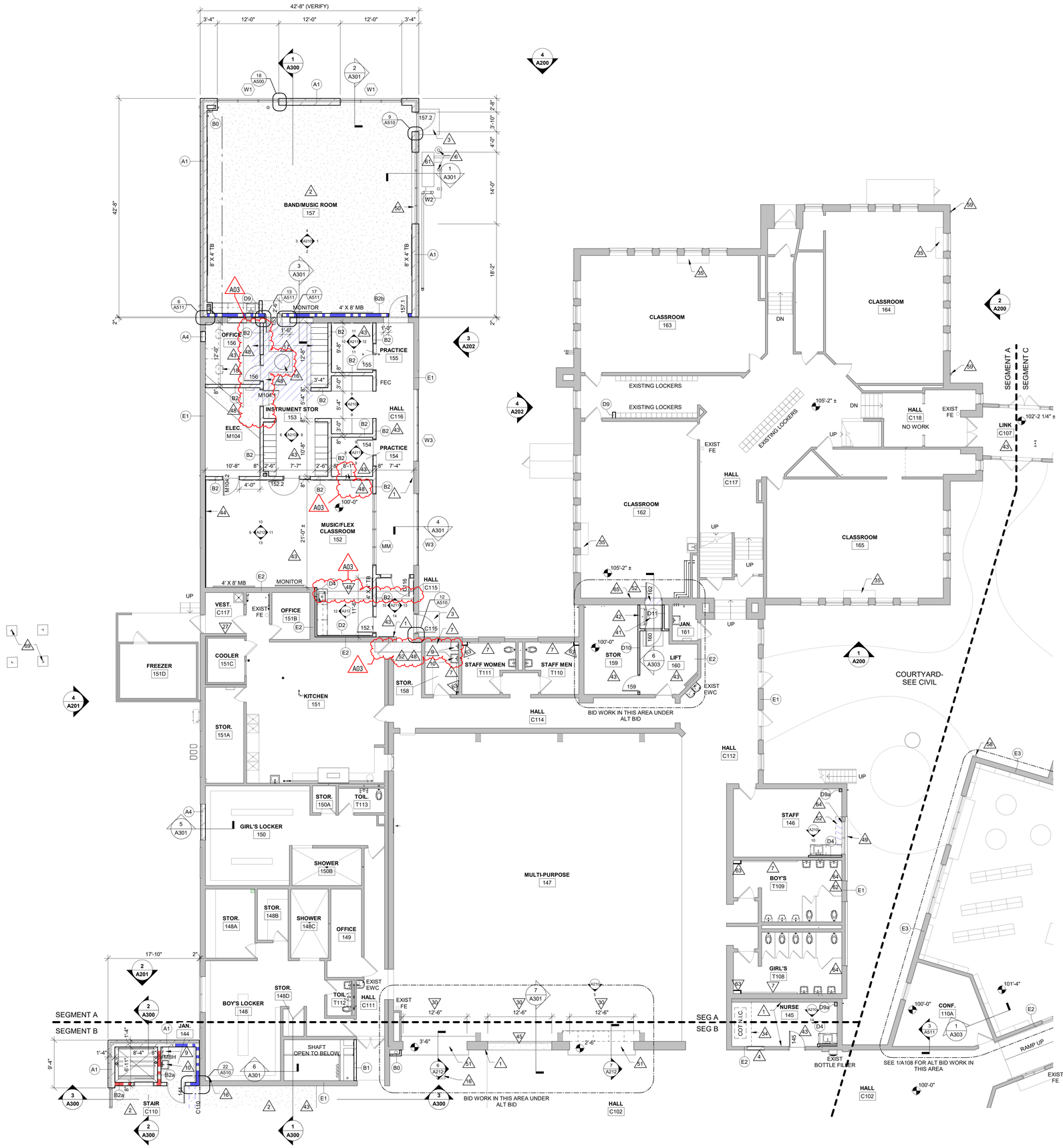
Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

Graphic Scale: **VARIES**

Last Update: **9/27/2021 9:21:51 AM**

A104



1 FIRST FLOOR - SEGMENT A

1/8" = 1'-0"

PLAN GENERAL NOTES:

A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.

B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.

C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS **A103-A104** FOR ALL EQUIPMENT NOTES.

E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.

F. PAINT ALL EXPOSED STEEL LINTELS.

G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A511** FOR TOP OF WALL DETAILS.

H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.

I. SEE **A511** FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.

J. SEE **A511** FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.

K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT - VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

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

KEY NOTES PLAN

1	PATCH EXISTING WALL AT REMOVED PARTITION
2	CONC. FLOOR SLAB AND UNDERSLAB FILL- SEE STRUCTURAL
3	CONC. STOOP - SEE STRUCTURAL
4	CMU INFILL AT EXISTING DOOR OPENING
5	SLOPE CONC. FLOOR SLAB TO DRAIN - SEE PLUMBING
6	BOLLARD - SEE CIVIL
7	MECHANICAL EQUIPMENT - SEE MECHANICAL
8	CONC. HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
9	MOB BASIN - SEE PLUMBING
10	UTILITY SINK - SEE PLUMBING
11	ELECTRIC WATER COOLER - SEE PLUMBING
12	EMERGENCY EYEWASH - SEE PLUMBING
13	HAND WASH STATION - SEE PLUMBING
14	COLD WATER HOSE BIBB - SEE PLUMBING
15	FLOOR DRAIN - SEE PLUMBING
16	PATCH CONC FLOOR SLAB AT PLUMBING DEMOLITION
17	APPLY FLOOR LEVELING COMPOUND (AT HATCHED AREA) AND PREP FOR NEW FLOORING FINISH
18	FURNITURE N.I.C.
19	ALIGN NEW WALL TO EDGE OF EXISTING WINDOW TRIM
20	ALIGN NEW WALL WITH EXISTING WALL
21	CEILING MOUNTED THERAPPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
22	WELDING BOOTH - 7'-0" HIGH CMU PARTITIONS, WELDING CURTAIN AND ROD
23	REBUILD EXTERIOR WALL (TYPE 'E4') TO MATCH EXISTING. REUSE SALVAGED WINDOW.
24	36" x 36" FLOOR ACCESS DOOR
25	NEW PIPE TUNNEL BELOW - SEE 2/A107
26	EXISTING FLOOR ACCESS DOOR TO REMAIN
27	CMU INFILL AT REMOVED MECHANICAL UNIT
28	STEEL ACCESS LADDER
29	REMOVE WALL BRACKET FROM EXISTING STEEL HANDRAIL AT ENLARGED WINDOW. GRIND HANDRAIL SMOOTH AND TOUCH-UP PAINT TO MATCH EXISTING.
30	JAMBS OF NEW OPENING TO ALIGN WITH EXISTING FILLED IN WINDOW OPENING - VERIFY SIZE.
31	EXISTING SUMP TO REMAIN - SEE PLUMBING
32	NEW METAL DECK AND CONC SLAB INFILL (AT HATCHED AREA) - FLUSH WITH EXISTING FLOORING
33	OVERHEAD DOOR TRACKS ABOVE
34	CEILING MOUNTED PRIVACY CURTAIN AND TRACK
35	EXISTING UNIT VENTILATORS TO BE ABANDONED IN PLACE - SEE MECHANICAL
36	CONC RETAINING WALL, RAISED CONC PLATFORM AND STAIRS - SEE STRUCT
37	STAINLESS STEEL HANDRAIL AND BRACKETS - RETURN TO WALL AT ENDS.
38	STAINLESS STEEL GUARDRAIL - SEE SHEET A303
39	ACCORDION FOLDING FIRE PARTITION, OVERHEAD TRACK AND STORAGE POCKET
40	ELEVATOR PIT ACCESS LADDER BY ELEV SUPPLIER
41	COMMERCIAL VERTICAL PLATFORM LIFT - VERIFY SHAFT SIZE W/ MFR
42	PROVIDE BLOCKING IN WALL AS REQUIRED FOR VERTICAL LIFT - COORDINATE W/ LIFT MFR.
43	NEW FLOOR FINISH THIS ROOM - SEE ID SHEETS
44	FULL-HEIGHT SLATWALL OVER EXISTING CMU WALL
45	PATCH CONC FLOOR SLAB AT REMOVED MASONRY WALL-INSTALL VCT AND BASE TO MATCH ADJACENT (ATTIC STOCK). PROVIDE METAL TRANSITION FLOOR PLATE AT WOOD FLOOR IN ROOM 147
46	1 5/8" ALUM PIPE GUARDRAIL/HANDRAIL (POWDERCOATED).
47	6'-0" W. HINGED 1 5/8" ALUM PIPE GATE W/ LATCH(POWDERCOATED)
48	PATCH CONC FLOOR SLAB AT ELEC/PLBG TRENCHING
49	EXISTING LOUVER TO REMAIN. INFILL INTERIOR WALL OPENING BEHIND LOUVER PER DETAIL 1/A/A511 - SEE MECHANICAL
50	SOLID SURFACE WINDOW STOOL
51	SOLID SURFACE COUNTER
52	PATCH VCT FLOORING AND VINYL BASE - USE OWNER'S ATTIC STOCK
53	EXISTING CASEWORK TO REMAIN
54	CONC EQUIPMENT PAD - SEE CIVIL
55	EXISTING ALUM DOWNSPOUT. DISCONNECT DOWNSPOUT FROM STORM DRAIN BOOT AND ADD ELBOW AND EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT.
56	EXISTING ALUM DOWNSPOUT. ADD EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT.
57	NEW ALUM DOWNSPOUT W/ HEAT TAPE. DRAIN TO GRADE.
58	EXISTING ALUM DOWNSPOUT, TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL). ADD HEAT TAPE TO DOWNSPOUT
59	NEW ALUM DOWNSPOUT W/ HEAT TAPE, TIE INTO NEW STORM DRAIN SYSTEM (SEE CIVIL).
60	TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 15/AS11
61	NEW GAS METER - SEE PLUMBING
62	PATCH WALL, CEILING AND FLOOR FINISHES AT REMOVED CHASE
63	PIPE ENCLOSURE BY MECH.
64	TOUCH-UP WALL PAINT AT REMOVED HVAC/ELEC/PLBG
65	PATCH WALL FINISH AT REMOVED MARKER/TACKBOARD
66	PATCH CONC FLOOR SLAB AS REQD AT REMOVED PARTITIONS
67	1 1/4" DIA. (1.66" O.D.) STEEL PIPE HANDRAIL (PAINT) - RETURN TO FLOOR AT ENDS
68	RETAINING WALL - SEE CIVIL
69	STADIUM LIGHT TO REMAIN
70	FENCE W/ GATE- SEE CIVIL
71	36" x 48" B LABEL FIRE RATED ACCESS DOOR
72	PLUMBING EQUIPMENT - SEE PLUMBING
73	COORDINATE STAIR LANDING FRAMING WITH RAIN LEADER - SEE PLBG

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Consultant:

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

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

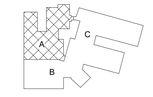
Sheet Title: **FIRST FLOOR - SEGMENT A**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

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

Last Update: **9/27/2021 9:22:32 AM**

A105

PLAN GENERAL NOTES:

A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.

B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.

C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS **A103-A104** FOR ALL EQUIPMENT NOTES.

E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.

F. PAINT ALL EXPOSED STEEL LINTELS.

G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A511** FOR TOP OF WALL DETAILS.

H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.

I. SEE **A511** FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.

J. SEE **A511** FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.

K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

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

KEY NOTES PLAN

1	PATCH EXISTING WALL AT REMOVED PARTITION
2	CONC. FLOOR SLAB AND UNDERSLAB FILL- SEE STRUCTURAL
3	CONC. STOOP - SEE STRUCTURAL
4	CMU INFILL AT EXISTING DOOR OPENING
5	SLOPE CONC. FLOOR SLAB TO DRAIN - SEE PLUMBING
6	BOLLARD - SEE CIVIL
7	MECHANICAL EQUIPMENT - SEE MECHANICAL
8	CONC. HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
9	MOP BASIN - SEE PLUMBING
10	UTILITY SINK - SEE PLUMBING
11	ELECTRIC WATER COOLER - SEE PLUMBING
12	EMERGENCY EYEWASH - SEE PLUMBING
13	HAND WASH STATION - SEE PLUMBING
14	COLD WATER HOSE BIBB - SEE PLUMBING
15	FLOOR DRAIN - SEE PLUMBING
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17	APPLY FLOOR LEVELING COMPOUND (AT HATCHED AREA) AND PREP FOR NEW FLOORING FINISH
18	FURNITURE N.I.C.
19	ALIGN NEW WALL TO EDGE OF EXISTING WINDOW TRIM
20	ALIGN NEW WALL WITH EXISTING WALL
21	CEILING MOUNTED THERAPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
22	WELDING BOOTH - 7'-0" HIGH CMU PARTITIONS, WELDING CURTAIN AND ROD
23	REBUILD EXTERIOR WALL (TYPE 'E4') TO MATCH EXISTING. REUSE SALVAGED WINDOW
24	36" x 36" FLOOR ACCESS DOOR
25	NEW PIPE TUNNEL BELOW - SEE 2/A107
26	EXISTING FLOOR ACCESS DOOR TO REMAIN
27	CMU INFILL AT REMOVED MECHANICAL UNIT
28	STEEL ACCESS LADDER
29	REMOVE WALL BRACKET FROM EXISTING STEEL HANDRAIL AT ENLARGED WINDOW. GRIND HANDRAIL SMOOTH AND TOUCH-UP PAINT TO MATCH EXISTING.
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36	CONC RETAINING WALL, RAISED CONC PLATFORM AND STAIRS - SEE STRUCT
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43	NEW FLOOR FINISH THIS ROOM - SEE ID SHEETS
44	FULL-HEIGHT SLATWALL OVER EXISTING CMU WALL
45	PATCH CONC FLOOR SLAB AT REMOVED MASONRY WALL-INSTALL VCT AND BASE TO MATCH ADJACENT (ATTIC STOCK). PROVIDE METAL TRANSITION FLOOR PLATE AT WOOD FLOOR IN ROOM 147
46	1 5/8" ALUM PIPE GUARDRAIL/HANDRAIL (POWDERCOATED)
47	6'-0" W. HINGED 1 5/8" ALUM PIPE GATE W/ LATCH(POWDERCOATED)
48	PATCH CONC FLOOR SLAB AT ELEC/PLBG TRENCHING
49	EXISTING LOUVER TO REMAIN. INFILL INTERIOR WALL OPENING BEHIND LOUVER PER DETAIL 14/A511 - SEE MECHANICAL.
50	SOLID SURFACE WINDOW STOOL
51	SOLID SURFACE COUNTER
52	PATCH VCT FLOORING AND VINYL BASE - USE OWNER'S ATTIC STOCK
53	EXISTING CASEWORK TO REMAIN
54	CONC EQUIPMENT PAD - SEE CIVIL
55	EXISTING ALUM DOWNSPOUT. DISCONNECT DOWNSPOUT FROM STORM DRAIN BOOT AND ADD ELBOW AND EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT.
56	EXISTING ALUM DOWNSPOUT. ADD EXTENSION AT BOTTOM TO DRAIN TO GRADE. ADD HEAT TAPE TO DOWNSPOUT.
57	NEW ALUM DOWNSPOUT W/ HEAT TAPE. DRAIN TO GRADE.
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60	TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 15/A511
61	NEW GAS METER - SEE PLUMBING
62	PATCH WALL, CEILING AND FLOOR FINISHES AT REMOVED CHASE
63	PIPE ENCLOSURE BY MECH.
64	TOUCH-UP WALL PAINT AT REMOVED HVAC/ELEC/PLBG
65	PATCH WALL FINISH AT REMOVED MARKER/TACKBOARD
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67	1 1/4" DIA. (1.66" O.D.) STEEL PIPE HANDRAIL (PAINT) - RETURN TO FLOOR AT ENDS
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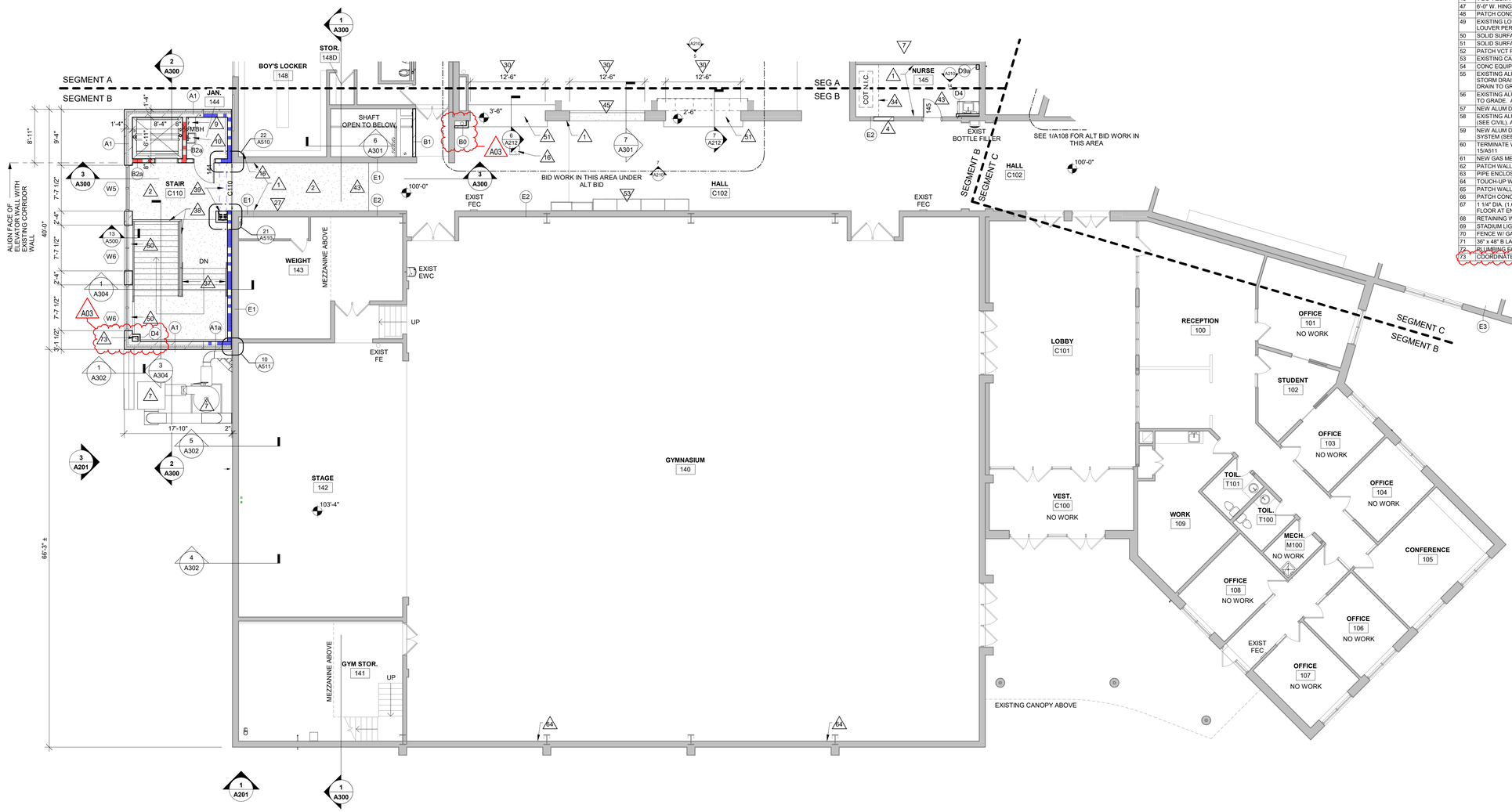
69	STADIUM LIGHT TO REMAIN
70	FENCE W/ GATE- SEE CIVIL
71	36" x 48" B LABEL FIRE RATED ACCESS DOOR
72	PLUMBING EQUIPMENT - SEE PLUMBING
73	COORDINATE STAIR LANDING FRAMING WITH RAIN LEADER - SEE PLBG



1 FIRST FLOOR - SEGMENT B

1/8" = 1'-0"

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Consultant:

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

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

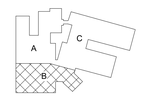
Sheet Title: **FIRST FLOOR - SEGMENT B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

BID DOCUMENTS

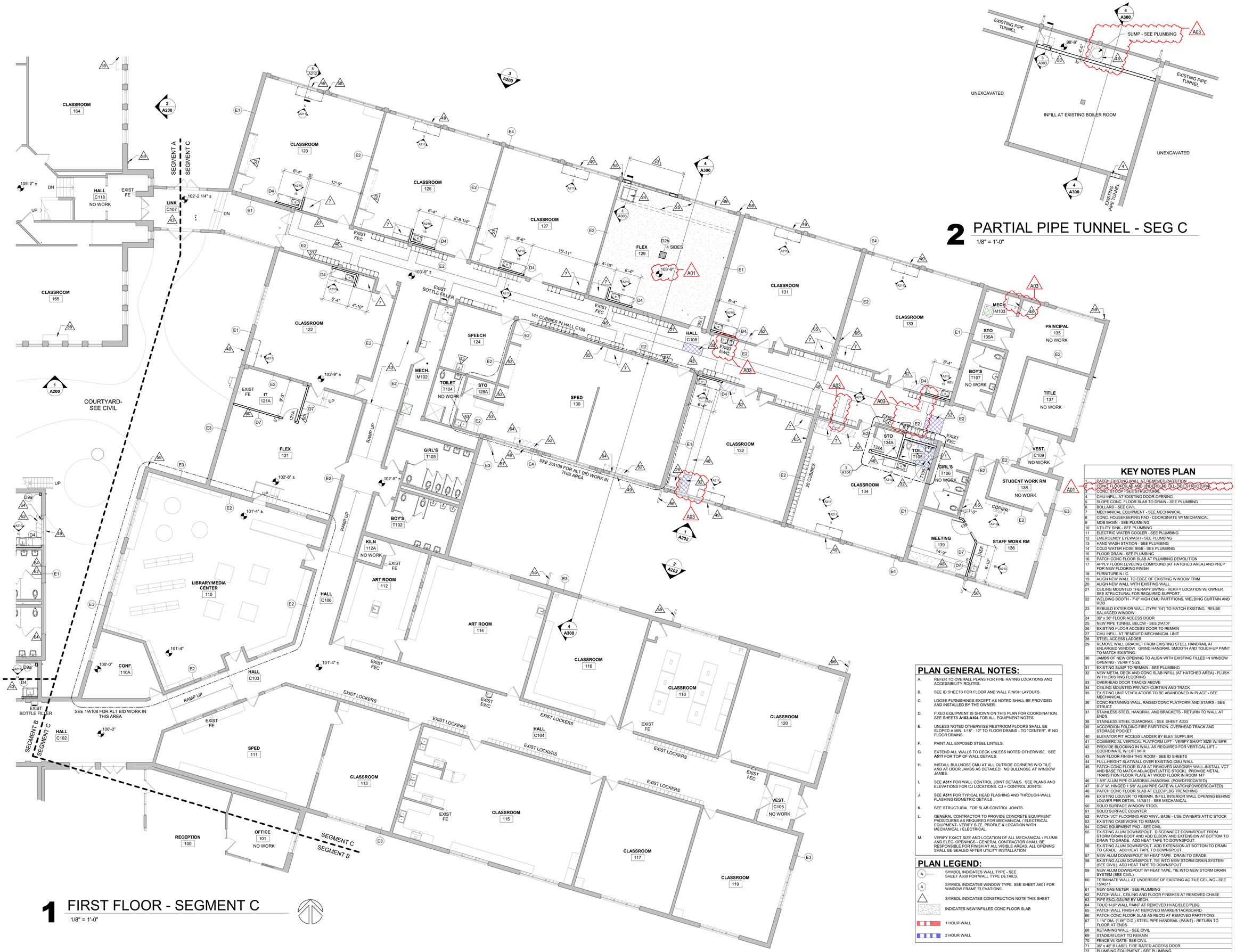
Revisions:

No.	Description	Date
A03	ADD3	9.28.2021

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

Last Update: **9/27/2021 9:23:25 AM**

A106



2 PARTIAL PIPE TUNNEL - SEG C

1/8" = 1'-0"

1 FIRST FLOOR - SEGMENT C

1/8" = 1'-0"

KEY NOTES PLAN

1	PATCH EXISTING WALL AT REMOVED PARTITION
2	CONC. FLOOR SLAB AND UNDERSLAB FILL - SEE STRUCTURAL
3	CONC. STOOP - SEE STRUCTURAL
4	CMU INFILL AT EXISTING DOOR OPENING
5	SLOPE CONC. FLOOR SLAB TO DRAIN - SEE PLUMBING
6	BOLLARD - SEE CIVIL
7	MECHANICAL EQUIPMENT - SEE MECHANICAL
8	CONC. HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
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71	36" x 48" B LABEL FIRE RATED ACCESS DOOR
72	PLUMBING EQUIPMENT - SEE PLUMBING
73	COORDINATE STAIR LANDING FRAMING WITH RAIN LEADER - SEE PLBG

PLAN GENERAL NOTES:

A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.

B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.

C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

D. FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS **A103-A104** FOR ALL EQUIPMENT NOTES.

E. UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" - 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.

F. PAINT ALL EXPOSED STEEL LINTELS.

G. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A511** FOR TOP OF WALL DETAILS.

H. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.

I. SEE **A511** FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.

J. SEE **A511** FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.

K. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

L. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

M. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

PLAN LEGEND:

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

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Consultant:

Project Title: LA FARGE SCHOOL DISTRICT ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET LA FARGE, WISCONSIN

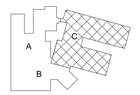
Sheet Title: FIRST FLOOR - SEGMENT C

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

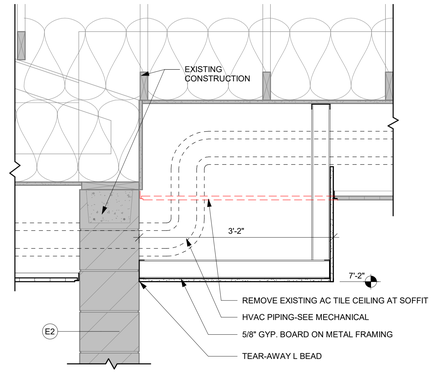
Revisions:

No.	Description	Date
A01	ADD1	9.20.2021
A03	ADD3	9.28.2021

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

Last Update: 9/27/2021 9:24:26 AM

A107



2 SOFFIT DETAIL

1" = 1'-0"

RCP GENERAL NOTES:

A. REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.

B. SEE MECHANICAL FOR CEILING GRILLE INFORMATION.

C. SEE ELECTRICAL FOR LIGHTING TYPES.

D. ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. CLOSE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR FIRESTOPPING SYSTEM. IN GYP/STUD PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.

E. ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.

F. WHERE NO CEILING/EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE. WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.

G. ALL EXTERIOR EXPOSED STEEL LINTELS/HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE.

H. REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.

I. ALL NEW EXPOSED DUCTWORK IS TO BE PAINT-GRIP STEEL AND PAINTED

J. HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.

K. CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.

L. REMOVE CEILING TILE FOR MEP ACCESS AS REQUIRED. REPLACE CEILING TILE DAMAGED DURING CONSTRUCTION.

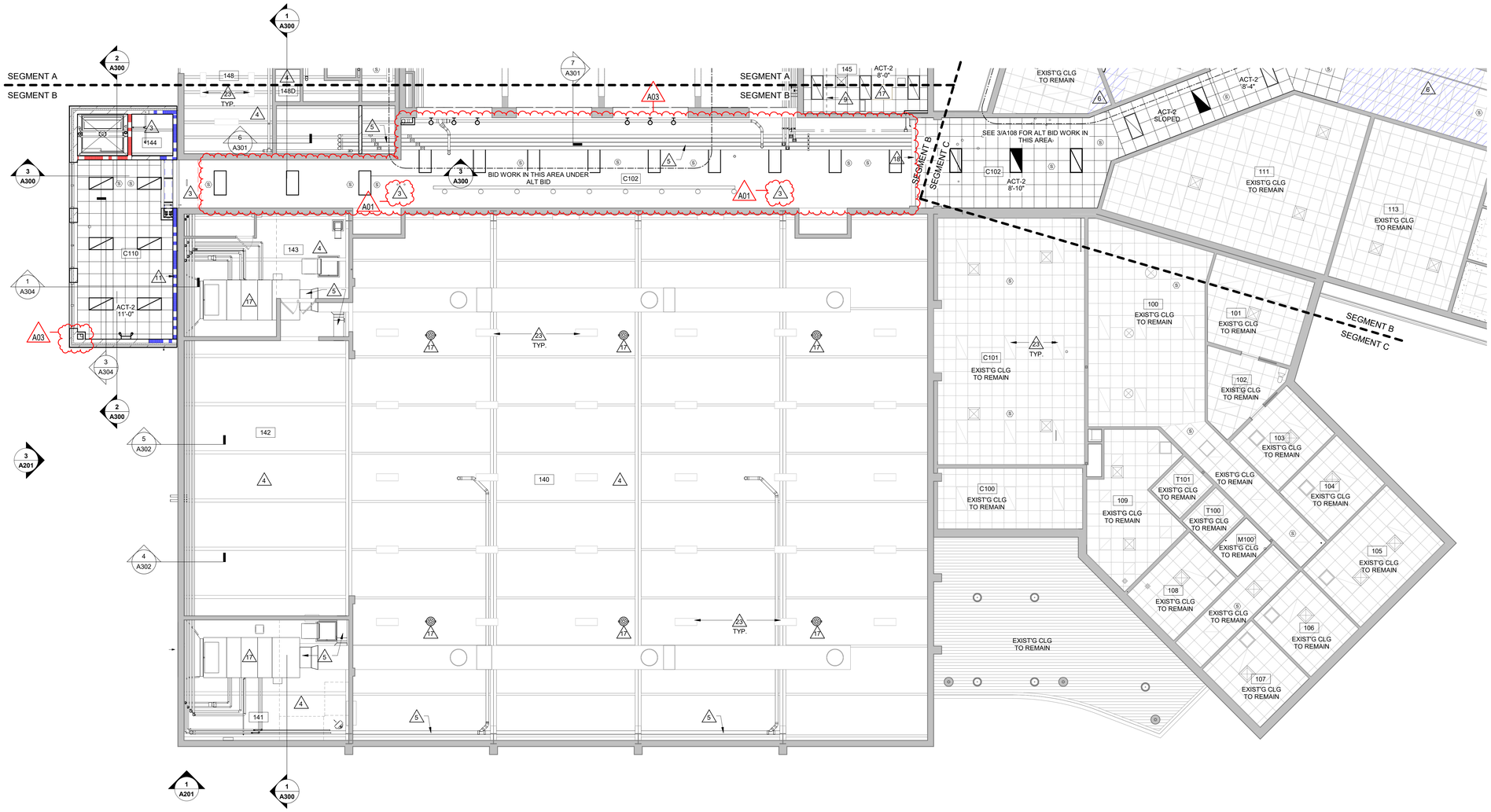
M. CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. **ACT-1**=SQUARE EDGE, **ACT-2**=TEGULAR EDGE, **ACT-3**=VINYL FACED GYP, **ACT-4**=HIGH PERFORMANCE

RCP LEGEND:

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

KEY NOTES RCP

1	1 HOUR FIRE RATED CEILING (PAINT) - SEE 2/A110
2	2 HOUR FIRE RATED CEILING (PAINT) - SEE 3/A110
3	NO CEILING - EXPOSED STRUCTURE (PAINT) - SEE GENERAL NOTE F
4	NO CEILING - EXPOSED STRUCTURE (TOUCH-UP PAINT AT REMOVED HVAC/ELEC) - SEE GENERAL NOTE F
5	EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED
5	NEW EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING, CONDUIT AND DUCTWORK TO BE PAINTED
6	REMOVE CEILING TILE AND GRID FOR MEP WORK, SALVAGE FOR REINSTALLATION (AT HATCHED AREA). REINSTALL AFTER MEP INSTALLATION. SEE GENERAL NOTE K FOR ADDITIONAL SCOPE AREAS.
7	CEILING MOUNTED THERAPY SWING - VERIFY LOCATION W/ OWNER. SEE STRUCTURAL FOR REQUIRED SUPPORT.
8	OVERHEAD DOOR TRACK
9	CEILING MOUNTED PRIVACY CURTAIN AND TRACK
10	GYP BOARD BULKHEAD/SOFFIT (PAINT) - SEE 4/A110
11	LABEL ALL RATED WALLS AS SPECIFIED IN SPEC SECTION 07 05 53
12	EXISTING STRUCTURAL WOOD CEILING (PAINT)
13	EXISTING WOOD BEAM TO REMAIN
14	PAINTED WOOD 1X8 TO COVER MOUNTING HOLES FROM REMOVED LIGHT FIXTURES. MOUNT NEW LIGHT FIXTURE TO 1X8.
15	TERMINATE WALL AT UNDERSIDE OF EXISTING AC TILE CEILING - SEE 1S/A511
16	ACOUSTIC TILE CEILING CLOUD W/ PERIMETER TRIM - SEE SPEC
17	CEILING MOUNT HVAC EQUIPMENT - SEE MECH
18	EXISTING BULKHEAD/SOFFIT TO REMAIN (PAINT)
19	1'-6" X 6'-0" ACOUSTIC PANELS (AWP-1) ATTACHED TO UNDERSIDE OF EXISTING CONC FLOOR DECK
20	PATCH CEILING AT REMOVED MECHANICAL CHASE
21	FILL HOLE IN EXISTING CONCRETE CEILING/ROOF W/ BATT INSULATION AND COVER HOLE W/ 1/4" STEEL PLATE
22	PATCH CEILING AT REMOVED PARTITION
23	EXISTING LIGHT FIXTURE TO REMAIN



1 FIRST FLOOR RCP- SEGMENT B

1/8" = 1'-0"

ARCHITECTURE
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INTERIOR DESIGN

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

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

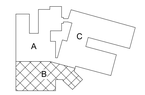
Sheet Title: **FIRST FLOOR RCP - SEGMENT B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **DJH**

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADD1	9.20.2021
A03	ADD3	9.28.2021

Graphic Scale: **VARIES**

Last Update: **9/27/2021 9:25:09 AM**

A112

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
AC:	ALTERNATING CURRENT
ACR:	AIR CONDITIONING AND REFRIGERATION
A/E:	ARCHITECT/ENGINEER
AFF:	ABOVE FINISH FLOOR
AFG:	ABOVE FINISH GRADE
AG:	AIR GAP
AI:	ANALOG INPUT
AISI:	AMERICAN IRON AND STEEL INSTITUTE
AO:	ANALOG OUTPUT
ASHRAE:	AMERICAN SOCIETY OF HEATING REFRIGERATION, AIR CONDITIONING ENGINEERS
ASJ:	ALL SERVICE JACKET
ASME:	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE:	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASR:	AUTOMATIC SPRINKLER RISER
AWG:	AMERICAN WIRE GAUGE
BACNET:	BUILDING AUTOMATION AND CONTROL NETWORK
BAG:	SILVER-COPPER-ZINC BRAZING ALLOY
BAS:	BUILDING AUTOMATION SYSTEM
BCUP:	SILVER-COPPER-PHOSPHORUS BRAZING ALLOY
BF:	BOTTLE FILLER
BFP:	REDUCED PRESSURE BACKFLOW PREVENTER
BHP:	BRAKE HORSEPOWER
BTU:	BRITISH THERMAL UNIT
BTUH:	BRITISH THERMAL UNIT PER HOUR
BSG:	BOROSILICATE GLASS PIPE
C:	CELSIUS
CD:	COMPACT DISK
CDA:	COPPER DEVELOPMENT ASSOCIATION
CGA:	COMPRESSED GAS ASSOCIATION
CFM:	CUBIC FEET PER MINUTE
CO:	CLEANOUT
COR:	CONTRACTING OFFICER'S REPRESENTATIVE
CPVC:	CHLORINATED POLYVINYL CHLORIDE
CR:	CHLOROPRENE
CRS:	CORROSION RESISTANT STEEL
CV:	CONTROL VALVE
CW:	COLD WATER
CXA:	COMMISSIONING AGENT
DB:	DECIBELS
DB(A):	DECIBELS (A WEIGHTED)
DDC:	DIRECT DIGITAL CONTROL
DFU:	DRAINAGE FIXTURE UNITS
DI:	DIGITAL INPUT
DI:	DEIONIZED WATER
DISS:	DIAMETER INDEX SAFETY SYSTEM
DN:	DOWN/DIAMETER NOMINAL
DO:	DIGITAL OUTPUT
DOE:	DEPARTMENT OF ENERGY
DVD:	DIGITAL VIDEO DISC
DW:	DISHWASHER
DWG:	DRAWING
DWV:	DRAINAGE, WASTE AND VENT
(E):	EXISTING
ECC:	ENGINEERING CONTROL CENTER AKA BAS
EL:	ELEVATION
EPA:	ENVIRONMENTAL PROTECTION AGENCY
EPACT:	ENERGY POLICY ACT
EPDM:	ETHYLENE PROPYLENE DIENE MONOMER
EPT:	ETHYLENE PROPYLENE TERPOLYMER
ETO:	ETHYLENE OXIDE
F:	FAHRENHEIT
FAR:	FEDERAL ACQUISITION REGULATIONS
FCO:	FLOOR CLEANOUT
FD:	FLOOR DRAIN
FDC:	FIRE DEPARTMENT (HOSE) CONNECTION
FNPT:	FEMALE NATIONAL PIPE THREAD
FOP:	FUEL OIL PUMP
FOR:	FUEL OIL RETURN
FOS:	FUEL OIL SUPPLY
FOV:	FUEL OIL VENT
FPM:	FLUOROELASTOMER POLYMER
FS:	FLOW SWITCH
FSK:	FOIL-SCRIM-KRAFT FACING
FSS:	VA CONSTRUCTION & FACILITIES MANAGEMENT, FACILITY STANDARDS SERVICE
FU:	FIXTURE UNITS
GAL:	GALLON
GCO:	GRADE CLEANOUTS
GPD:	GALLONS PER DAY
GPH:	GALLONS PER HOUR
GPM:	GALLONS PER MINUTE
GPR:	GAS PRESSURE REGULATOR
GRS:	GAS REGULATOR STATION
GT:	GREASE TRAP
GVTR:	GAS VENT THROUGH ROOF
H&CW:	HOT AND COLD WATER
HB:	HOSE BIBB
HD:	HUB DRAIN
HDPE:	HIGH DENSITY POLYETHYLENE
HEFP:	HEALTHCARE ENVIRONMENT AND FACILITIES PROGRAM (REPLACEMENT FOR OCAMES)
HEX:	HEAT EXCHANGER
HG:	MERCURY
HOA:	HANDS-OFF-AUTOMATIC
HP:	HORSEPOWER
HVE:	HIGH VOLUME EVACUATION
HW:	HOT WATER
HWCP:	HOT WATER CIRCULATING PUMP
HWR:	HOT WATER RETURN
HYD:	HYDRANT
HZ:	HERTZ
ID:	INSIDE DIAMETER
IE:	INVERT ELEVATION
INV:	INVERT
IPC:	INTERNATIONAL PLUMBING CODE
IPS:	IRON PIPE SIZE
JS:	JANITOR'S SINK
KG:	KILOGRAM
KPA:	KILOPASCAL
KW:	KILOWATT
KWH:	KILOWATT HOUR
L:	LAVATORY
LB:	POUND
LBS/HR:	POUNDS PER HOUR
LNG:	LIQUID NATURAL GAS
L/MIN:	LITERS PER MINUTE
L/S:	LITERS PER SECOND
M:	METER
MA:	MEDICAL AIR
MAV:	MEDICAL AIR VENT
MAX:	MAXIMUM
MBH:	1000 BTU PER HOUR
MER:	MECHANICAL EQUIPMENT ROOM
MFG:	MANUFACTURER
MG:	MILLIGRAM
MG/L:	MILLIGRAMS PER LITER
ML:	MILLILITER
MM:	MILLIMETER
MIN:	MINIMUM
MV:	MEDICAL VACUUM
N2:	NITROGEN
N2O:	NITROGEN OXIDE
NC:	NORMALLY CLOSED
NF:	OIL FREE DRY (NITROGEN)
NG:	NATURAL GAS
NIC:	NOT IN CONTRACT
NO:	NORMALLY OPEN
NOM:	NOMINAL
NPTF:	NATIONAL PIPE THREAD FEMALE
NPS:	NOMINAL PIPE SIZE
NPT:	NOMINAL PIPE THREAD
NTS:	NOT TO SCALE
O2:	OXYGEN
OC:	ON CENTER
OCAMES:	REPLACED BY HEFP
OD:	OUTSIDE DIAMETER
OR:	OPERATING ROOM
OSD:	OPEN SIGHT DRAIN
OSAY:	OUTSIDE STEM AND YOKE
OXY:	OXYGEN
PA:	PASCAL
PBPU:	PREFABRICATED BEDSIDE PATIENT UNITS
PD:	PRESSURE DROP OR DIFFERENCE
PDI:	PLUMBING AND DRAINAGE INSTITUTE
PG:	PRESSURE GAUGE
PH:	POWER OF HYDROGEN
PID:	PROPORTIONAL-INTEGRAL-DIFFERENTIAL
PLC:	PROGRAMMABLE LOGIC CONTROLLERS
PP:	POLYPROPYLENE
PPB:	PARTS PER BILLION
PPM:	PARTS PER MILLION
PRV:	PRESSURE REDUCING VALVE
PSI:	POUNDS PER SQUARE INCH
PSIA:	POUNDS PER SQUARE INCH ATMOSPHERE
PSIG:	POUNDS PER SQUARE INCH GAUGE
PTFE:	POLYTETRAFLUOROETHYLENE
PVC:	POLYVINYL CHLORIDE
PVDF:	POLYVINYLIDENE FLUORIDE
PW:	POTABLE WATER
RAD:	RADIANS
RD:	ROOF DRAIN
RO:	REVERSE OSMOSIS
RPM:	REVOLUTIONS PER MINUTE
RTD:	RESISTANCE TEMPERATURE DETECTORS
RTRP:	REINFORCED THERMOSETTING RESIN PIPE
SAN:	SANITARY SEWER
SCFM:	STANDARD CUBIC FEET PER MINUTE
SDI:	SILT DENSITY INDEX
SDMH:	STORM DRAIN MANHOLE
SF:	SQUARE FEET
SH:	SHOWER
SMACNA:	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SPEC:	SPECIFICATION
SPS:	STERILE PROCESSING SERVICES
SQFT:	SQUARE FEET
SS:	STAINLESS STEEL
STD:	STANDARD
SUS:	SAYBOLT UNIVERSAL SECOND
SW:	STORM WATER
SWP:	STEAM WORKING PRESSURE
TCV:	TEMPERATURE CONTROL VALVE
TD:	TRENCH DRAIN
TDH:	TOTAL DYNAMIC HEAD
TEFC:	TOTALLY ENCLOSED FAN-COOLED
TEMP:	TEMPERATURE
TFE:	TETRAFLUOROETHYLENE
THERM:	100,000 BTU
THHN:	THERMOPLASTIC HIGH-HEAT RESISTANT NYLON COATED WIRE
THWN:	THERMOPLASTIC HEAT & WATER RESISTANT NYLON COATED WIRE
TMV:	THERMOSTATIC MIXING VALVE
T/P:	TEMPERATURE AND PRESSURE
TP:	TRAP PRIMER
TSTAT:	THERMOSTAT
TYP:	TYPICAL
USDA:	U.S. DEPARTMENT OF AGRICULTURE
UR:	URINAL
V:	VENT/VOLT
VA:	VETERANS ADMINISTRATION
VA CFM:	VA CONSTRUCTION & FACILITIES MANAGEMENT
VA CFM	VA CFM CONSULTING SUPPORT
CSS:	SERVICE
VAC:	VACUUM
VAC:	VOLTAGE IN ALTERNATING CURRENT
VAMC:	VETERANS ADMINISTRATION MEDICAL CENTER
VA TIL:	WWW.CFM.VA.GOV/TIL/INDEX.ASP
VHA:	VETERANS HEALTH ADMINISTRATION
VSD:	VARIABLE SPEED DRIVE
VTR:	VENT THROUGH ROOF
W:	WASTE
WAGD:	WASTE ANESTHESIA GAS DISPOSAL
WC:	WATER CLOSET
WCO:	WALL CLEANOUT
WG:	WATER GAUGE
WH:	WALL HYDRANT
WHA:	WATER HAMMER ARRESTOR
WOG:	WATER, OIL, GAS
WPD:	WATER PRESSURE DROP
WS:	WASTE STACK
WSFU:	WATER SUPPLY FIXTURE UNITS
YCO:	YARD CLEANOUT
YH:	YARD HYDRANT

PIPING SYSTEM LABELS

WATER PIPING SYSTEMS:

- COLD WATER
- HOT WATER
- HOT WATER RETURN

DRAIN, WASTE AND VENT SYSTEMS:

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

GENERAL:

- TO BE DEMOLISHED
- NEW WORK
- EXISTING

NOTE:

(E) PRIOR TO SYSTEM TYPE DENOTES EXISTING PIPING

DRAINS AND CLEANOUTS

- FLOOR DRAIN
- HUB DRAIN
- CO — CLEANOUT
- FCO — FLOOR CLEANOUT
- WCO — WALL CLEANOUT

PIPE VALVES AND SPECIALTIES

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

PIPE FITTINGS

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

GENERAL SYMBOLS

- DETAIL REFERENCE — TOP DESIGNATES DETAIL NUMBER, BOTTOM DESIGNATES SHEET NUMBER (1 / P1.10)
- SECTION REFERENCE — TOP DESIGNATES SECTION NUMBER, BOTTOM DESIGNATES SHEET NUMBER (1 / P1.10)
- KEY NOTE (1)
- REVISION TAG (1)
- POINT OF CONNECTION
- POINT OF DISCONNECTION

PLUMBING SPECIALTIES SCHEDULE

BFP-1	3/4" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER, ASSE® 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-ASME, REMOVABLE BLADDER, 14.8 GAL., 150 PSIG RATING
	ACCEPTABLE MANUFACTURERS: WESSELS MODEL 12 TX
FD-1	FLOOR DRAIN, 6" DIA, NICKEL BRONZE ADJUSTABLE TOP, CAST-IRON BODY, THREADED FLASHING COLLAR, 3" OUTLET.
	ACCEPTABLE MANUFACTURERS:ZURN Z415B, SMITH, WADE.
FD-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.
FS-1	FLOOR SINK, 8"x8"x6" DEEP, WHITE ACID RESISTING PORCELING ENAMEL INTERIOR AND TOP, INTERIOR BOTTOM DOME STRAINER. 1/2 GRATE, FLASHING COLLAR, 3" OUTLET.
	ACCEPTABLE MANUFACTURERS: ZURN Z1910, 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.
GI-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 CAPACITY REQUIREMENTS.
	ACCEPTABLE MANUFACTURERS: FISHER HSR, ITRON, SENSUS, MAXITROL
HB-1	HOSE BIBB, INTERIOR, VACUUM BREAKER, BRASS 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" INTERNAL 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 PLATE AND CENTER SCREW INTO PLUG.
	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 QP -7.5 PRO AIR, KAISER.
CP-1	CIRCULATING PUMP, 2 GPM @ 10' OF HEAD. 0.1 HP, 115 V, 0.55 AMPS WITH 3'-0" POWER CORD.
	ACCEPTABLE MANUFACTURERS: GRUNDFOS ALPHA1 25-60 130, BELL & GOSSETT
GWH-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 ATI-340H, STATE, BRADLEY-WHITE
SE-1	SEWAGE EJECTOR, DUPLEX, TWO SUBMERSIBLE GRINDER 1 HP PUMPS WITH 56 GPM CAPCITY 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 SHELL, 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 4X WATERTIGHT 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 COMPLETE 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

1. CONFORM TO ALL REQUIREMENTS OF THE CURRENT CODES AND OTHER APPLICABLE REGULATIONS FOR THE PROJECT.
2. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO BID AND CONSTRUCTION.
3. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCE AND DELAYS.
4. PROVIDE ACCESS PANELS FOR ALL ITEMS UNDER THIS SECTION REQUIRING SERVICING, INSPECTION, MAINTENANCE AND ADJUSTMENT.
5. 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.
6. THE INSTALLATION SHALL CONFORM TO THE LATEST APPLICABLE INDUSTRY STANDARDS UNLESS SPECIFICALLY NOTED OTHERWISE.
7. 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.
8. 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.
9. 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.
10. 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.
11. FIELD QUALITY CONTROL: TEST SYSTEMS IN ACCORDANCE WITH APPLICABLE STANDARDS, CODES AND MANUFACTURER'S RECOMMENDATIONS. PERFORM TESTS IN THE PRESENCE OF GOVERNMENT REPRESENTATIVE.
12. 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 STOPPAGE 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.

PLUMBING FIXTURE SCHEDULE

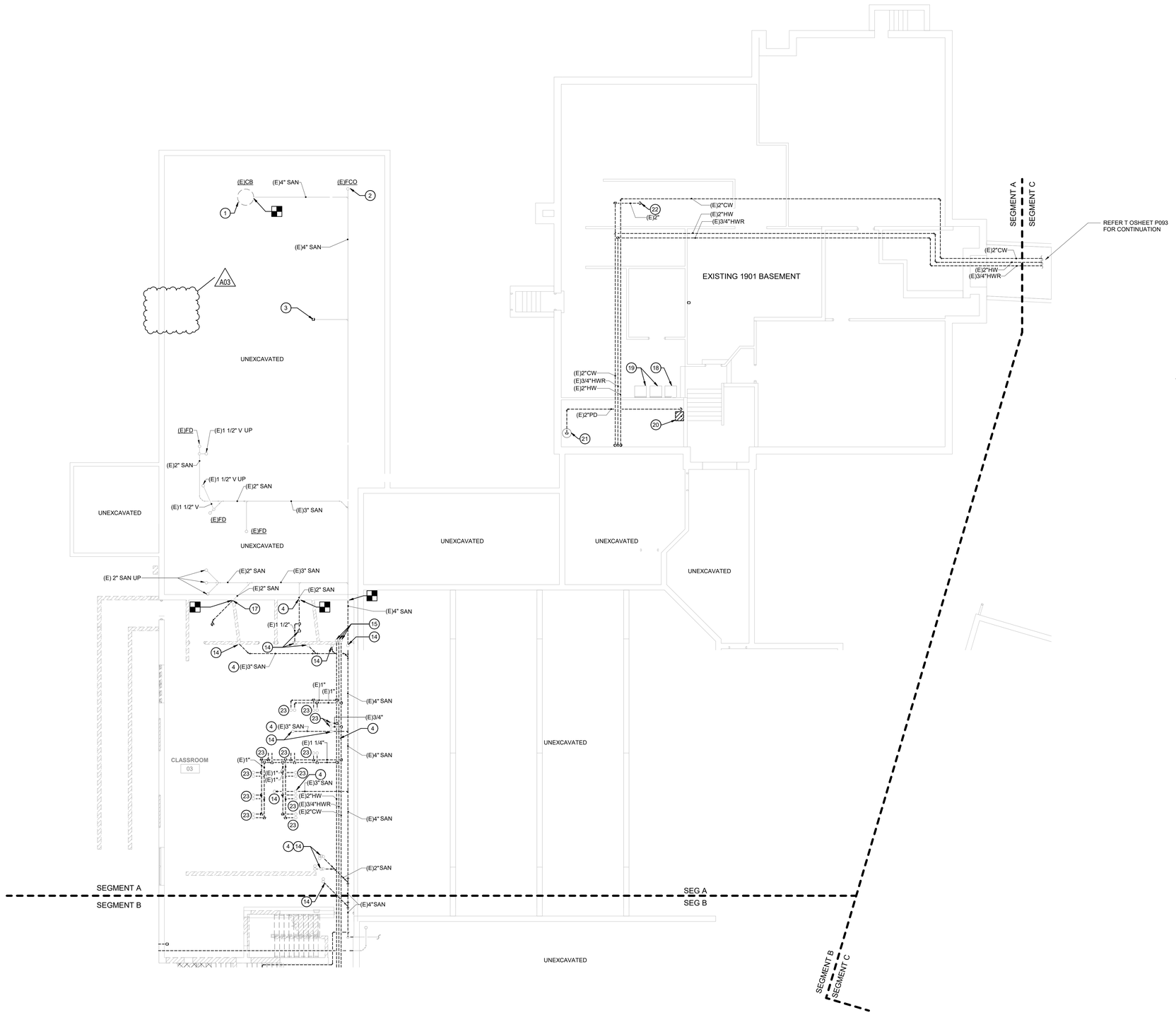
EWC-1	WATER COOLER WITH BOTTLE FILLING STATION, SELF-CONTAINED, WALL MOUNT, BY-LEVEL, FRONT AND SIDE PUSH BUTTON. 14 GAUGE STAINLESS STEEL CABINET, ONE-PIECE HEAVY DUTY CONSTRUCTION. 8.0 GPH AT 50 DEGREE F AT 90 DEGREE AMBIENT. PROVIDE CHROME PLATED BRASS STOP, STAINLESS STEEL BRAIDED SUPPLY, DRAIN, 1-1/4" BRASS P-TRAP WITH CLEANOUT PLUG AND TAILPIECE ADA COMPLIANT, LEAD-FREE DESIGN COMPLIANT TO NSF/ANSI-61.
	ACCEPTABLE MANUFACTURERS: ELKAY EMABFTL8WSSK, OASIS, HALSEY-TAYLOR
EW-1	EMERGENCY EYE/FACE WASH. BARRIER FREE. YELLOW IMPACT RESIST PLASTIC BOWL AND DUST COVER, 304 SS ACTIVATION PUSH HANDLE, CHROME-PLATED STAY-OPEN BALL VALVE, HEAVY GAUGE CAST ALUMINUM WALL BRACKET WITH SAFETY YELLOW COATING, 1-1/4" DRAIN, P-TRAP AND TAILPIECE.
	ACCEPTABLE MANUFACTURERS: BRADLEY S19224FWPT, HAWS, ACORN
L-1	ACCESSIBLE LAVATORY, WALL MOUNT VITREOUS CHINA WITH CONCEALED CARRIER ARM, 3 HOLE AT 4" CENTERS. PROVIDE CHROME PLATED BRASS SUPPLIES LOOSE KEY SUPPLIES, PERFORATED GRID DRAIN, 1-1/2" BRASS P-TRAP WITH CLEANOUT PLUG AND OFFSET TAILPIECE. PROVIDE WALL-MOUNTED LAVATORY CARRIER SUITABLE FOR MASONRY WALL INSTALLATION. 34" RIM HEIGHT. ADA COMPLIANT.
	ACCEPTABLE MANUFACTURERS: KOHLER K-2032, AMERICAN STANDARD, ELKAY.
	LAVATORY FAUCET, BATTERY POWERED, SENSOR FAUCTET, BELOW-DECK THERMOSTATIC MIXING VALVE, 0.5 GPM FLOW RATE. INSTALLATION SHALL BE IN COMPLIANCE WITH ADA SECTION 4.19.
	ACCEPTABLE MANUFACTURERS: SLOAN SF-2350, KOHLER, MOEN, DELTA, CHICAGO FAUCET.
	PROVIDE PRE-MANUFACTURED TRAP AND SUPPLY INSULATION KIT. FIELD FABRICATION COVERING IS NOT ACCEPTABLE.
	ACCEPTABLE MANUFACTURERS: TRUEBRO "HANDI-LAV GUARD 2", MCQUIRE "PRO WRAP", BROCAR "TRAP WRAP".
L-2	JUVENILE LAVATORY, WALL MOUNT VITREOUS CHINA WITH CONCEALED CARRIER ARM, 3 HOLE AT 4" CENTERS. PROVIDE CHROME PLATED BRASS SUPPLIES LOOSE KEY SUPPLIES, PERFORATED GRID DRAIN, 1-1/2" BRASS P-TRAP WITH CLEANOUT PLUG AND OFFSET TAILPIECE. PROVIDE WALL-MOUNTED LAVATORY CARRIER SUITABLE FOR MASONRY WALL INSTALLATION. 24" MINUMUM KNEE CLEARANCE, 29" RIM HEIGHT. ADA COMPLIANT.
	ACCEPTABLE MANUFACTURERS: KOHLER K-2032, AMERICAN STANDARD, ELKAY.
	LAVATORY FAUCET, BATTERY POWERED, SENSOR FAUCTET, BELOW-DECK THERMOSTATIC MIXING VALVE, 0.5 GPM FLOW RATE. INSTALLATION SHALL BE IN COMPLIANCE WITH ADA SECTION 4.19.
	ACCEPTABLE MANUFACTURERS: SLOAN SF-2350, KOHLER, MOEN, DELTA, CHICAGO FAUCET.
	PROVIDE PRE-MANUFACTURED TRAP AND SUPPLY INSULATION KIT. FIELD FABRICATION COVERING IS NOT ACCEPTABLE.
	ACCEPTABLE MANUFACTURERS: TRUEBRO "HANDI-LAV GUARD 2", MCQUIRE "PRO WRAP", BROCAR "TRAP WRAP".
MB-1	MOB BASIN, MOLDED STONE, 24" X 24" X 10", WHITE, STAINLESS STEEL DRAIN, 3" OUTLET, PROVIDE MOP HANGER, HOSE AND HOSE BRACKET. PROVIDE FRP PANELS TO WALL SURFACES ABOVE MOP BASIN. PROVIDE STAINLESS STEEL BUMPERGUARDS ON EXPOSED SIDES.
	SERVICE FAUCET, TWO HANDLE MIXING FAUCET, CHROME PLATED, INTEGRAL VACUMM BREAKER, INTEGRAL STOPS, PAIL HOOK, 3/4" MALE HOSE THREAD SPOUT. PROVIDE HOSE END VACUUM BREAKER.
	ACCEPTABLE MANUFACTURERS: MUSTEE 63M, ZURN, WILLIAMS.
SK-1	SINK, SINGLE BOWL, 18 GA, TYPE 304 SATIN FINISH, DROP-IN, 25" x 21-1/4" x 6-1/2" BOWL, 3-1/2" DIA CENTER DRAIN. STAINLESS STEEL STRAINER BASKET WITH RUBBER SEAL,CHROME PLATED CAST BRASS TAILPIECE AND P-TRAP WITH CLEANOUT, 3/8" BRASS ANGLE STOPS WITH STAINLESS STEEL BRAIDED SUPPLIES.
	ACCEPTABLE MANUFACTURERS: ELKAY LRAD252165, AMERICAN STANDARD, KOHLER
	SINK FAUCET, 8" CENTERSET DECK MOUNT FAUCET WITH 8" GOOSENECK RIGID SPOUT, 4" WRISTBLADE HANDLES, CHROME-PLATED CONSTRUCTION. NSF 61 & 372.
	ACCEPTABLE MANUFACTURERS: CHICAGO FAUCETS 1100-GN8AE3-317AB, ELKAY, KOHLER, T&S BRASS
SK-2	SINK, DOUBLE BOWL, 18 GA, TYPE 304 SATIN FINISH; DROP-IN, 31-1/2" x 21-1/4" x 7-7/8" DEEP BOWLS. 3-1/2" DIA CENTER DRAINS, STAINLESS STEEL STRAINER BASKETS WITH RUBBER SEAL,CHROME PLATED CAST BRASS TAILPIECES AND P-TRAPS WITH CLEANOUTS, 3/8" BRASS ANGLE STOPS WITH STAINLESS STEEL BRAIDED SUPPLIES.
	ACCEPTABLE MANUFACTURERS: ELKAY LR3321, AMERICAN STANDARD, KOHLER
	SINK FAUCET, 8" CENTERSET DECK MOUNT FAUCET WITH 8" GOOSENECK SWING SPOUT, 4" WRISTBLADE HANDLES, CHROME-PLATED CONSTRUCTION. NSF 61 & 372.
	ACCEPTABLE MANUFACTURERS: CHICAGO FAUCETS 1100-GN8AE3-317AB, ELKAY, KOHLER, T&S BRASS
SK-3	SCULLERY SINK, THREE COMPARTMENT, 18 GA, TYPE 304 SATIN FINISH, 90" x 23-13/16" x 43-3/4", 18" x 18" x 14" BOWLS, 18" DRAINBOARDS ON BOTH SIDES, STAINLESS STEEL LEGS, 3-1/2" DIA CENTER DRAINS, STAINLESS STEEL STRAINER BASKETS WITH RUBBER SEAL,CHROME PLATED CAST BRASS TAILPIECES AND P-TRAPS WITH CLEANOUTS, 3/8" BRASS ANGLE STOPS WITH STAINLESS STEEL BRAIDED SUPPLIES. PROVIDE ADDITIONAL SUPPORT BEHIND BACKSPLASH TO ENSURE RIGID FAUCET INSTALLATION.
	ACCEPTABLE MANUFACTURERS: ELKAY S3C18X18-2-18X, AMERICAN STANDARD, KOHLER
	SINK FAUCET, 8" CENTERSET BACKSPLASH MOUNTED FAUCET, 21" DOUBLE-JOINTED SWING SPOUT, WITH 5-1/4" GOOSENECK SPOUT, 2-3/8" HANDLES, CHROME-PLATED CONSTRUCTION. NSF 61 & 372, ada COMPLIANT.
	ACCEPTABLE MANUFACTURERS: CHICAGO FAUCETS 445-DJ21ABCP, ELKAY, AMERICAN STANDARD, KOHLER
SK-4	CLASSROOM SINK, SINGLE BOWL, 18 GA, TYPE 304 SATIN FINISH, DROP-IN, 25" x 19-1/2" x 6-1/2" BOWL, 3-1/2" DIA CENTER DRAIN. STAINLESS STEEL GRID STRAINER, CHROME PLATED CAST BRASS TAILPIECE AND P-TRAP WITH CLEANOUT, 3/8" BRASS ANGLE STOPS WITH STAINLESS STEEL BRAIDED SUPPLIES.
	ACCEPTABLE MANUFACTURERS: ELKAY DRKAD22265, AMERICAN STANDARD, KOHLER
	SINK FAUCET, 8" CENTERSET DECK MOUNT FAUCET WITH 7" GOOSENECK RIGID SPOUT, 2-5/8" WRISTBLADE HANDLES, CHROME-PLATED CONSTRUCTION. NSF 61 & 372. ADA COMPLIANT.
	ACCEPTABLE MANUFACTURERS: ELKAY LKD2439C, CHICAGO FAUCETS, KOHLER, T&S BRASS
	BUBBLER, CHROME-PLATED BRASS, PUSH-BUTTON, FLEXIBLE ANTI-MICROBIAL MOUITH GUARD. ADA COMPLIANT.
	ACCEPTABLE MANUFACTURERS: ELKAY LK1141A, KOHLER, CHICAGO FAUCETS, T&S BRASS
SK-5	SINK, SINGLE BOWL, 18 GA, TYPE 304 SATIN FINISH, DROP-IN, 25" x 21-1/4" x 10-1/8" BOWL, 3-1/2" DIA CENTER DRAIN. STAINLESS STEEL STRAINER BASKET WITH RUBBER SEAL,CHROME PLATED CAST BRASS TAILPIECE AND P-TRAP WITH CLEANOUT, 3/8" BRASS ANGLE STOPS WITH STAINLESS STEEL BRAIDED SUPPLIES.
	ACCEPTABLE MANUFACTURERS: ELKAY DLR252110, AMERICAN STANDARD, KOHLER
	SINK FAUCET, 8" CENTERSET DECK MOUNT FAUCET WITH 8" GOOSENECK SWING SPOUT, 4" WRISTBLADE HANDLES, CHROME-PLATED CONSTRUCTION. NSF 61 & 372.
	ACCEPTABLE MANUFACTURERS: CHICAGO FAUCETS 1100-GN8AE3-317AB, KOHLER, T&S BRASS
SS-1	SERVICE SINK, MOLDED STONE, 20" X 24" X 14 3/8" DEEP, WALL HUNG, WALL BRACKET. MOUNT AT 34" AFF (RIM).
	2-HANDLE FAUCET, P-TRAP, ANGLE STOPS, BRAIDED STAINLESS STEEL SUPP

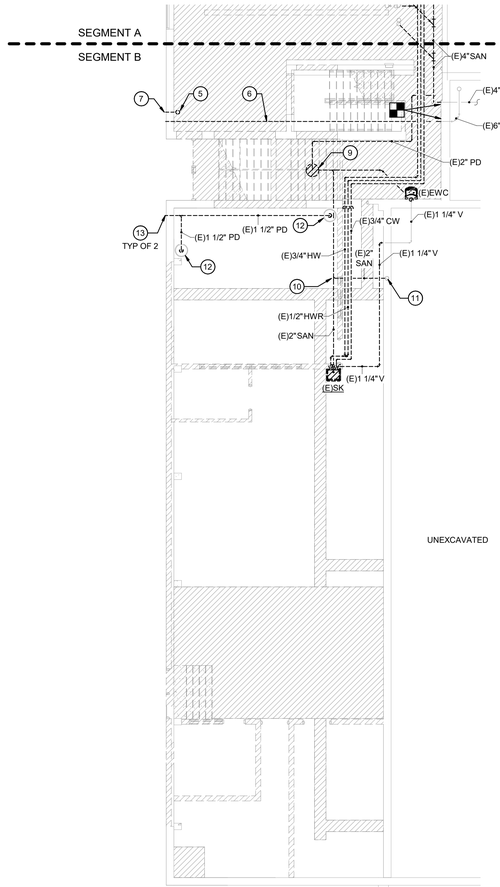
GENERAL NOTES: PLUMBING

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

(#) PLUMBING DEMOLITION PLAN KEYNOTES

1. REMOVE CATCH BASIN COMPLETE. G.C. TO INFILL AND PATCH CONCRETE EXISTING UNDERFLOOR PIPING TO REMAIN FOR NEW CONNECTION.
2. EXISTING FLOOR CLEANOUT TO BE ABANDONED IN PLACE
3. REMOVE PIPING CONNECTION TO REMOVED PLUMBING FIXTURE TO BELOW FLOOR AND CAP G.C. TO PATCH CONCRETE.
4. REMOVE PIPING FOR REPLACEMENT TO POINTS NOTED.
5. REMOVE 4" ST UP TO FLOOR ABOVE FOR REPLACEMENT IN DIFFERENT LOCATION.
6. REMOVE 6" ST PIPING FOR REPLACEMENT IN DIFFERENT LOCATION.
7. REMOVE (2) ST PIPE TERMINATIONS THROUGH WALL. G.C. TO PATCH WALL.
8. NOT USED.
9. REMOVE SEWAGE EJECTOR AND ALL ASSOCIATED PIPING AND CONTROLS.
10. REMOVE SAN PIPING BELOW FLOOR. G.C. SHALL INFILL AND PATCH.
11. SAN PIPING UP TO EXISTING WATER COOLER TO REMAIN FOR NEW CONNECTION.
12. EXISTING FOUNDATION DRAIN SUMP AND PUMP SHALL REMAIN. REMOVE ABOVE GROUND PIPING FOR REPLACEMENT.
13. REMOVE PIPE TERMINATION THROUGH WALL. G.C. SHALL PATCH WALL.
14. REMOVE PIPING TO PLUMBING FIXTURE/EQUIPMENT/FD ABOVE FOR NEW PIPING CONNECTION.
15. 2" CW, 2" HW, 3/4" HWR UP TO REMAIN FOR NEW CONNECTION.
16. ABANDON BELOW GROUND VENT PIPING IN PLACE CAP PIPE.
17. CAP ABANDONED SAN PIPE AT WALL.
18. EXISTING ICE MACHINE TO REMAIN. REMOVE PLUMBING CONNECTIONS FOR REPLACEMENT.
19. EXISTING CLOTHES WASHER TO REMAIN. PLUMBING CONNECTIONS TO HOSE BIBBS TO BE REMOVED FOR REPLACEMENT.
20. REMOVE EXISTING SERVICE SINK AND ASSOCIATED PIPING FOR REPLACEMENT.
21. EXISTING SUMP / PUMP TO REMAIN. REMOVE DISCHARGE PIPE FOR REPLACEMENT.
22. REMOVE ALL CW / HW PIPING TO ABANDONED HOT WATER HEATING TANK.
23. EXISTING 3/4"CW AND 3/4"HW UP TO SHOWER TO REMAIN FOR NEW CONNECTION.





1 LOWER LEVEL PLUMBING DEMO PLAN - SEG A

1/8" = 1'-0"

2 LOWER LEVEL PLUMBING DEMO PLAN - SEG B

1/8" = 1'-0"

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

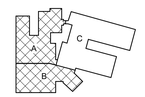
Sheet Title: **LOWER LEVEL PLUMBING DEMO PLANS - SEG A & B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADD1	9.20.21
A03	ADD3	9.28.21

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

Last Update: **9/29/2021 1:45:35 PM**

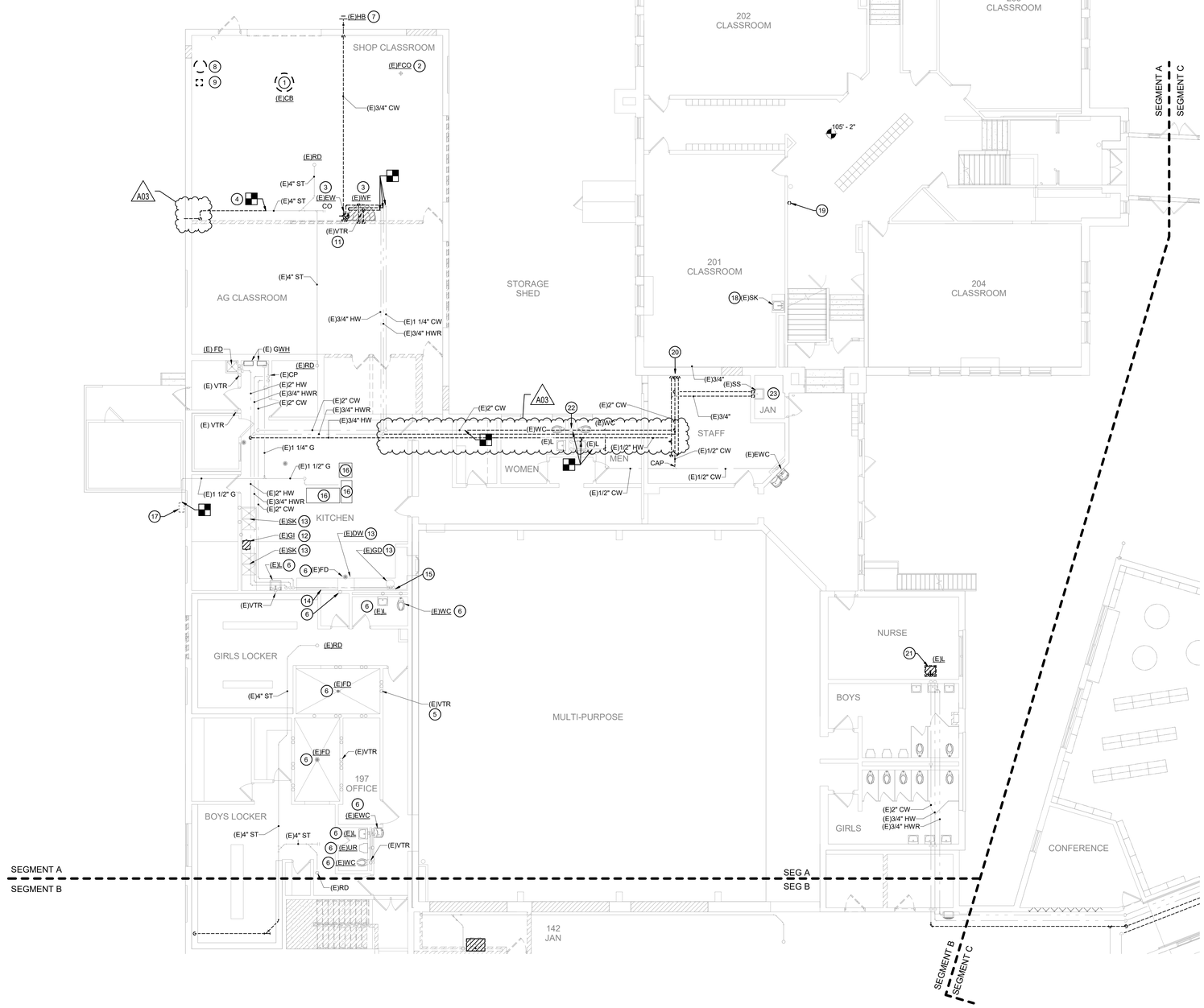
P090

GENERAL NOTES: PLUMBING

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

(#) PLUMBING DEMOLITION PLAN KEYNOTES

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



1 FIRST FLOOR PLUMBING DEMO PLAN - SEG A

1/8" = 1'-0"

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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**

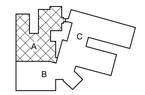
Sheet Title: **FIRST FLOOR PLUMBING DEMO PLAN - SEG A**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A01	ADD1	9.20.21
A02	ADD2	9.23.21
A03	ADD3	9.28.21

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

Last Update: **9/29/2021 1:45:38 PM**

P091

GENERAL NOTES: PLUMBING

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

PLUMBING DEMOLITION PLAN KEYNOTES

1. REMOVE 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 AND PRESSURE REGULATORS SERVING LAB TABLES TO REMAIN.
16. DISCONNECT GAS PIPING TO FURNACE BEING REPLACED. EXISTING PRESSURE REGULATOR TO REMAIN.
17. REMOVE ALL UNDERGLOOR CW, HW, HWR, SAN, AND V PIPING. G.C. TO REMOVE AND PATCH FLOOR.

A03

1 FIRST FLOOR PLUMBING DEMO PLAN - SEG C

1/8" = 1'-0"

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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**

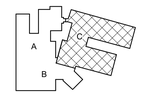
Sheet Title: **FIRST FLOOR PLUMBING DEMO PLAN - SEG C**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

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A01	ADD1	9.20.21
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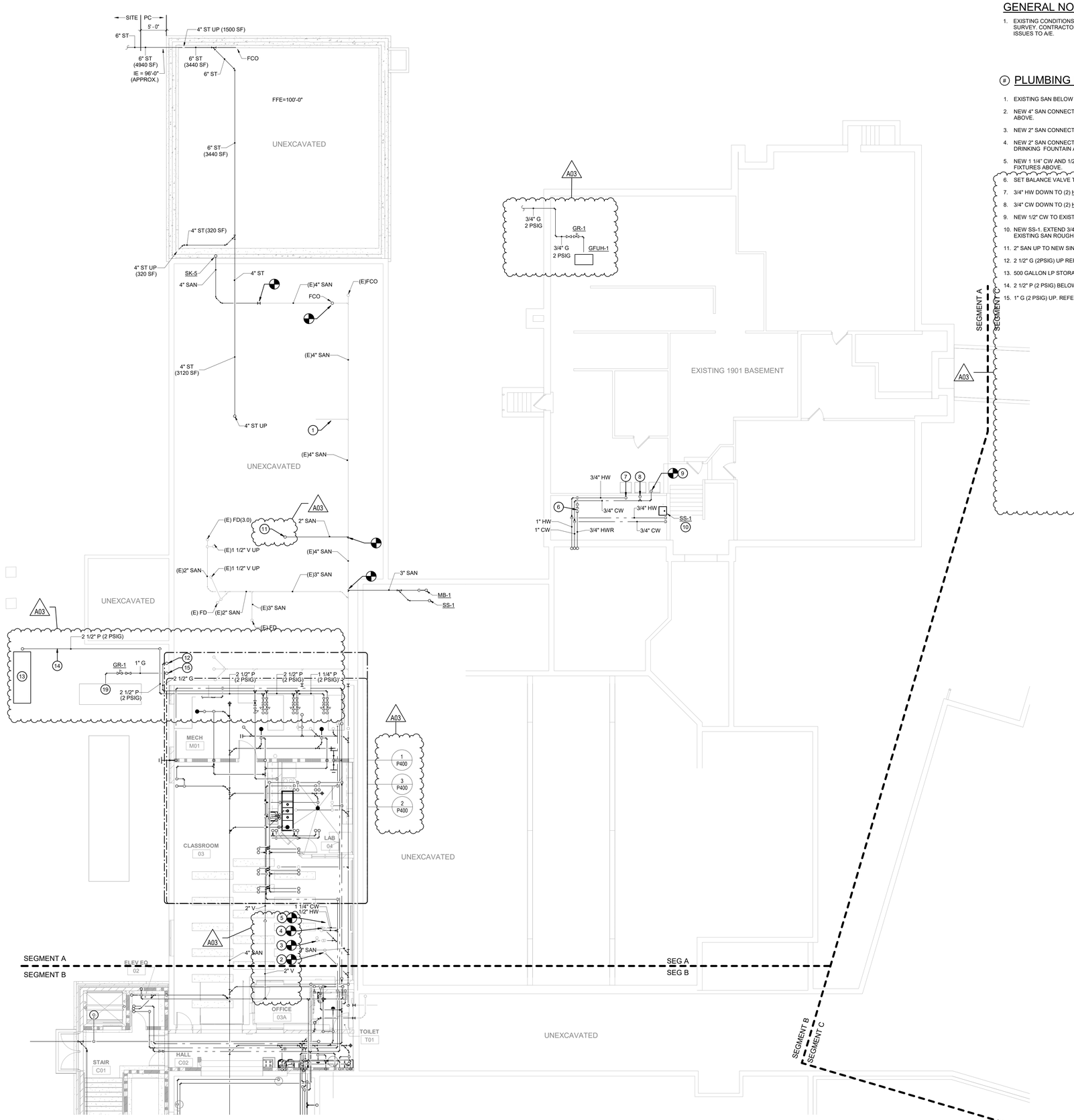
Graphic Scale: 0' 2' 4' 8' 12'

Last Update: **9/29/2021 1:45:42 PM**

P093



1 LOWER 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. EXISTING SAN BELOW FLOOR ABANDONED IN PLACE
2. NEW 4" SAN CONNECTION TO EXISTING PIPE UP SERVING WATER CLOSET ABOVE.
3. NEW 2" SAN CONNECTION TO EXISTING PIPE SERVING URINAL ABOVE.
4. NEW 2" SAN CONNECTION TO EXISTING PIPE SERVING LAVATORY AND DRINKING FOUNTAIN ABOVE.
5. NEW 1 1/4" CW AND 1/2" HW CONNECTION TO EXISTING PIPING SERVING FIXTURES ABOVE.
6. SET BALANCE VALVE TO 0.5 GPM 6PM
7. 3/4" HW DOWN TO (2) HB-1. CONNECT EXISTING CLOTHES WASHER HOSES.
8. 3/4" CW DOWN TO (2) HB-1. CONNECT EXISTING CLOTHES WASHER HOSES.
9. NEW 1/2" CW TO EXISTING PIPING SERVING ICE MACHINE.
10. NEW SS-1. EXTEND 3/4" CW, 3/4" HW SURFACE MOUNTED TO FIXTURE. MODIFY EXISTING SAN ROUGH-IN TO ACCOMMODATE.
11. 2" SAN UP TO NEW SINK.
12. 2 1/2" G (2PSIG) UP REFER TO SHEET P102 FOR CONTINUATION.
13. 500 GALLON LP STORAGE TANK. REFER TO SHEET C102 FOR LOCATION.
14. 2 1/2" P (2 PSIG) BELOW GROUND.
15. 1" G (2 PSIG) UP. REFER TO SHEET P102 FOR CONTINUATION.

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

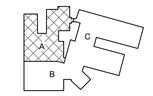
Sheet Title: LOWER LEVEL PLUMBING PLAN - SEG A

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
A03	ADD3	9.28.21

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

Last Update: 9/29/2021 1:11:28 PM

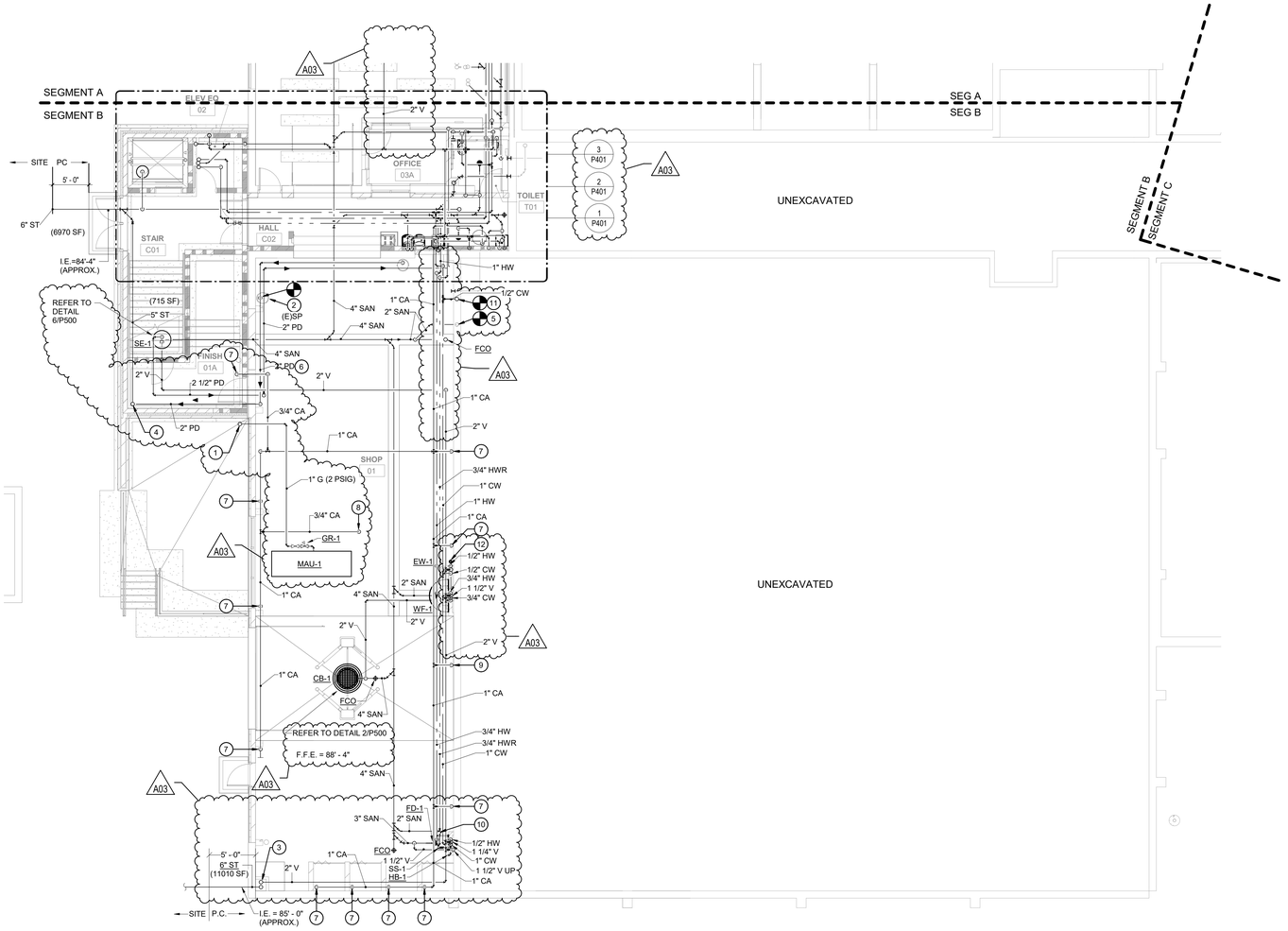
P100

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. 1" G (2PSIG) UP TO ROOF. REFER TO SHEET P106 FOR CONTINUATION.
2. EXISTING FOUNDATION DRAINAGE SUMP/PUMP. EXTEND NEW 2" PD PUMP FROM EXISTING PUMP TO POINT SHOWN REFER TO DETAIL 3/P500.
3. 4" ST UP IN SHAFT ABOVE.
4. 2" V AND 6" ST UP. REFER TO SHEET P103 FOR CONTINUATION.
5. NEW 2" SAN CONNECTION TO EXISTING SAN PIPE UP SERVING EXISTING WATER COOLER IN GYM.
6. INSTALL NEW 2" PD AS HIGH AS POSSIBLE.
7. 1/2" CA DOWN TO QUICK DISCONNECT FITTING. VERIFY LOCATION WITH OWNER.
8. PROVIDE NEW HOSE REEL WITH 30'-0" HOSE.
9. INSTALL EXISTING HOSE REEL REMOVED FROM EXISTING AUTO SHOP.
10. SET BALANCE VALVE TO 0.5 GPM.
11. NEW 1/2" CW CONNECTION TO EXISTING PIPING SERVING DRINKING FOUNTAIN IN GYM.
12. 3" HUB DRAIN.



1 LOWER LEVEL PLUMBING PLAN - SEG B

1/8" = 1'-0"

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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100 MILWAUKEE STREET
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Consultant:
ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

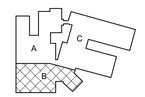
Sheet Title: **LOWER LEVEL PLUMBING PLAN - SEG B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

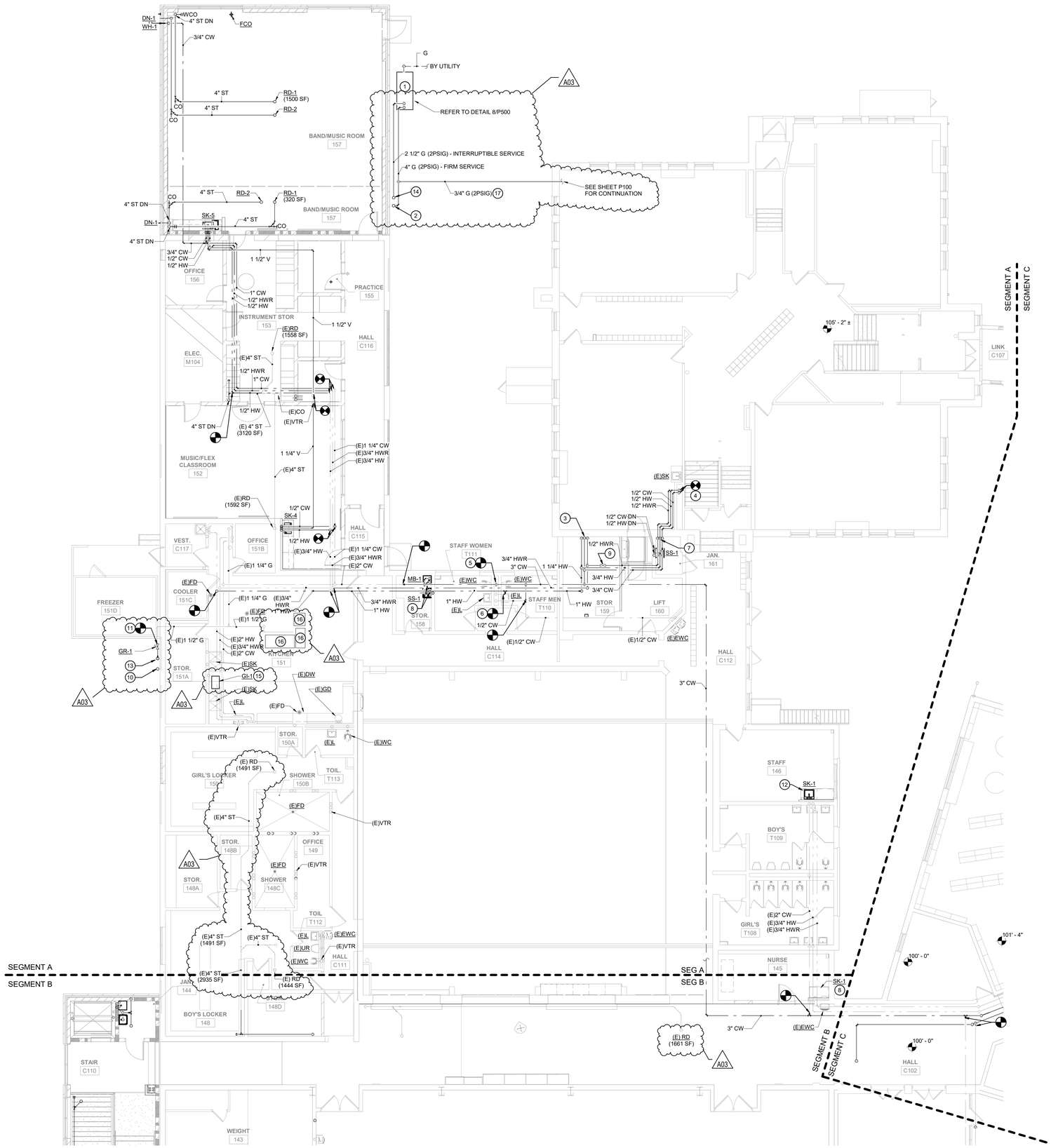
Revisions:

No.	Description	Date
A02	ADD2	9.23.21
A03	ADD3	9.28.21

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

Last Update: **9/29/2021 1:45:46 PM**

P101



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

A03

1. NEW GAS SERVICE BY UTILITY SERVICE CONSISTS OF THE FOLLOWING:
   - INTERRUPTIBLE SERVICE (NEW BOILERS ONLY): 4500 CFH
   - FIRM SERVICE (BUILDING EXCLUDING NEW BOILERS): 5140 CFH.

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

A03

13. 2" G (2 PSIG) UP AND 1" (2 PSIG) DN.
14. 2 1/2" G (2 PSIG) UP TO ROOF. REFER TO SHEET P105 FOR CONTINUATION.
15. INSTALL NEW GI-1 IN SAME LOCATION AS EXISTING. MODIFY PIPING AS REQUIRED TO ACCOMMODATE.
16. EXISTING COOKING EQUIPMENT.
17. 3/4" G (2 PSIG) UNDERGROUND TO SERVE NEW UNIT HEATER IN 1901 BUILDING BASEMENT.

1 FIRST FLOOR PLUMBING PLAN - SEG A

1/8" = 1'-0"

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:
ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

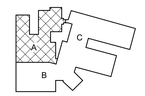
Sheet Title: **FIRST FLOOR PLUMBING PLAN - SEG A**

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
A03	ADD3	9.28.21

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

Last Update: **9/29/2021 1:45:51 PM**

P102

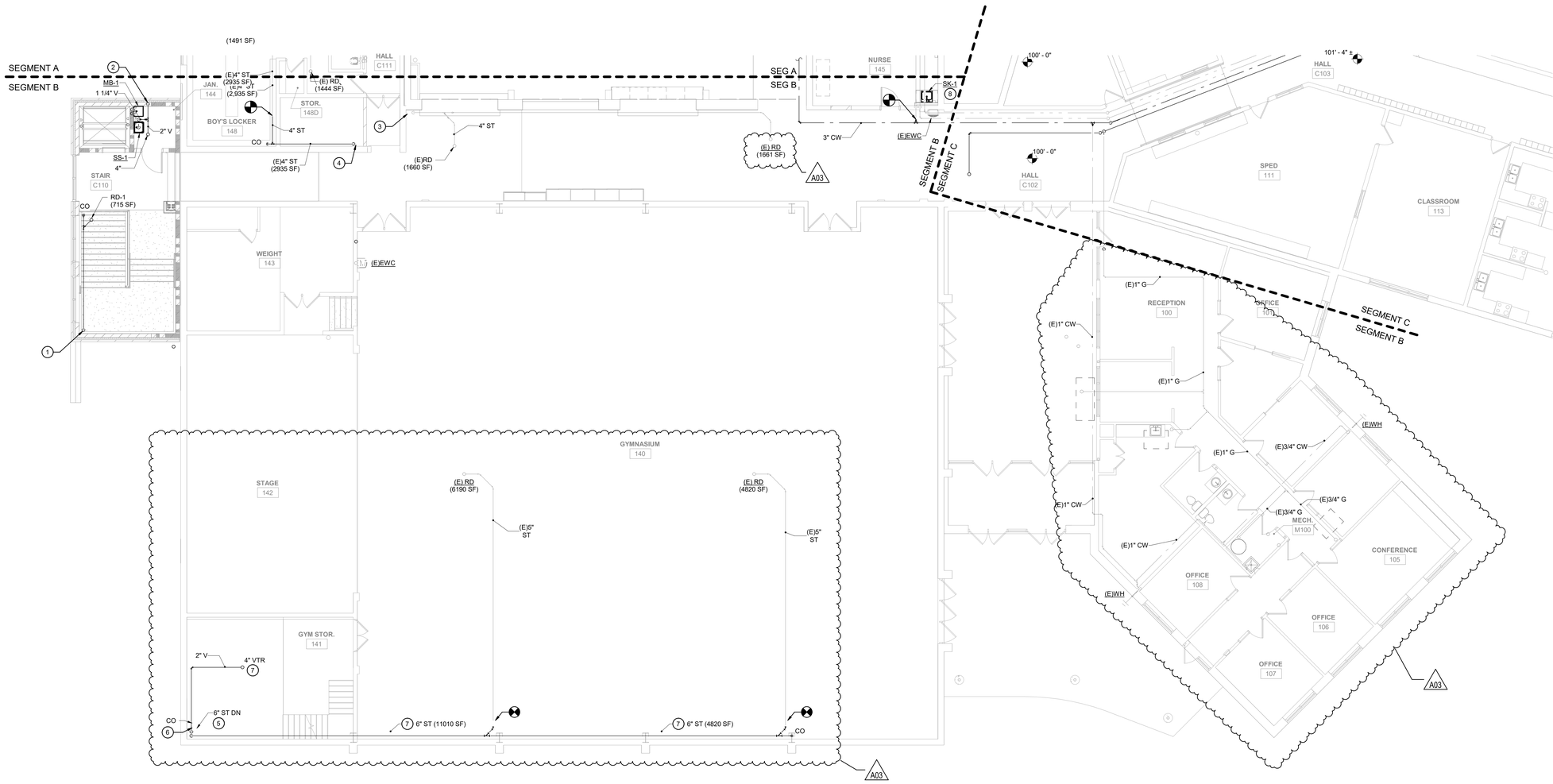
GENERAL NOTES: PLUMBING

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

PLUMBING PLAN KEYNOTES

1. 4" ST DN. INSTALL TIGHT IN CORNER OF STAIRS.
2. 2" V DN
3. EXISTING 6" ST DN TO REMAIN.
4. 4" ST DN TO LOWER LEVEL.
5. 6" ST DN TO LOWER LEVEL.
6. 2" V DN TO LOWER LEVEL.
7. NEW 6" ST SHALL BE PITCHED AT 1/4" FALL PER FOOT.
8. NEW SINK. MODIFY EXISTING ROUGH-INS TO ACCOMMODATE.

A03



1 FIRST FLOOR PLUMBING PLAN - SEG B

1/8" = 1'-0"

ARCHITECTURE
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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**

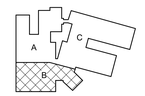
Sheet Title: **FIRST FLOOR PLUMBING PLAN - SEG B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale:
0" 2" 4" 8" 16" 32"

Last Update: **9/29/2021 1:45:53 PM**

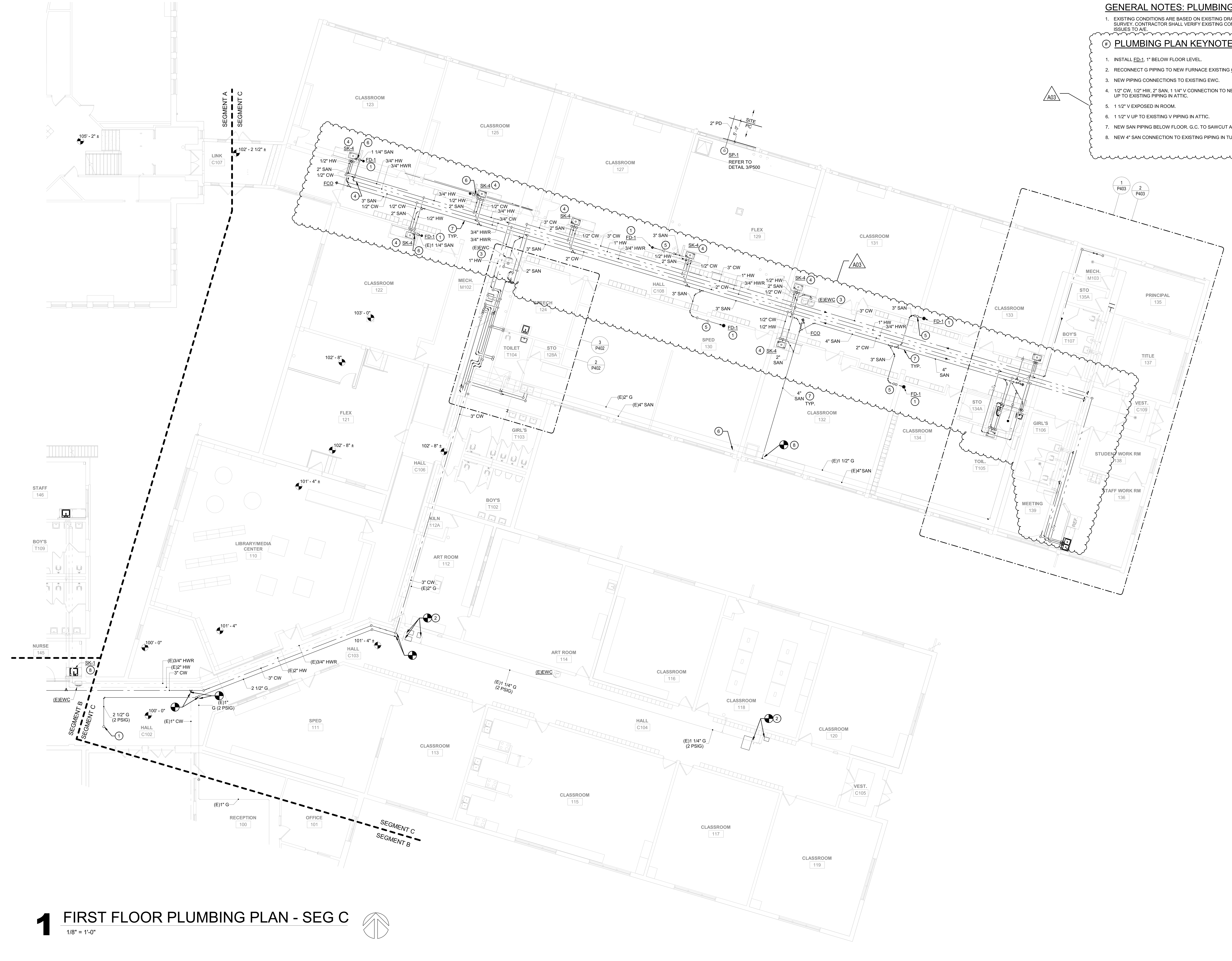
P103

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. INSTALL FD-1, 1" BELOW FLOOR LEVEL.
2. RECONNECT G PIPING TO NEW FURNACE EXISTING GR TO REMAIN.
3. NEW PIPING CONNECTIONS TO EXISTING EWC.
4. 1/2" CW, 1/2" HW, 2" SAN, 1 1/4" V CONNECTION TO NEW SINK. EXTEND V PIPING UP TO EXISTING PIPING IN ATTIC.
5. 1 1/2" V EXPOSED IN ROOM.
6. 1 1/2" V UP TO EXISTING V PIPING IN ATTIC.
7. NEW SAN PIPING BELOW FLOOR. G.C. TO SAWCUT AND PATCH FLOOR.
8. NEW 4" SAN CONNECTION TO EXISTING PIPING IN TUNNEL.



1 FIRST FLOOR PLUMBING PLAN - SEG C

1/8" = 1'-0"

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

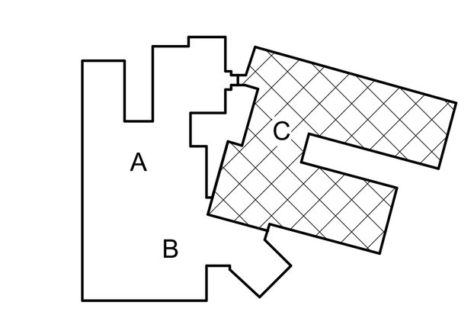
Sheet Title: **FIRST FLOOR PLUMBING PLAN - SEG C**

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: OTIE

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
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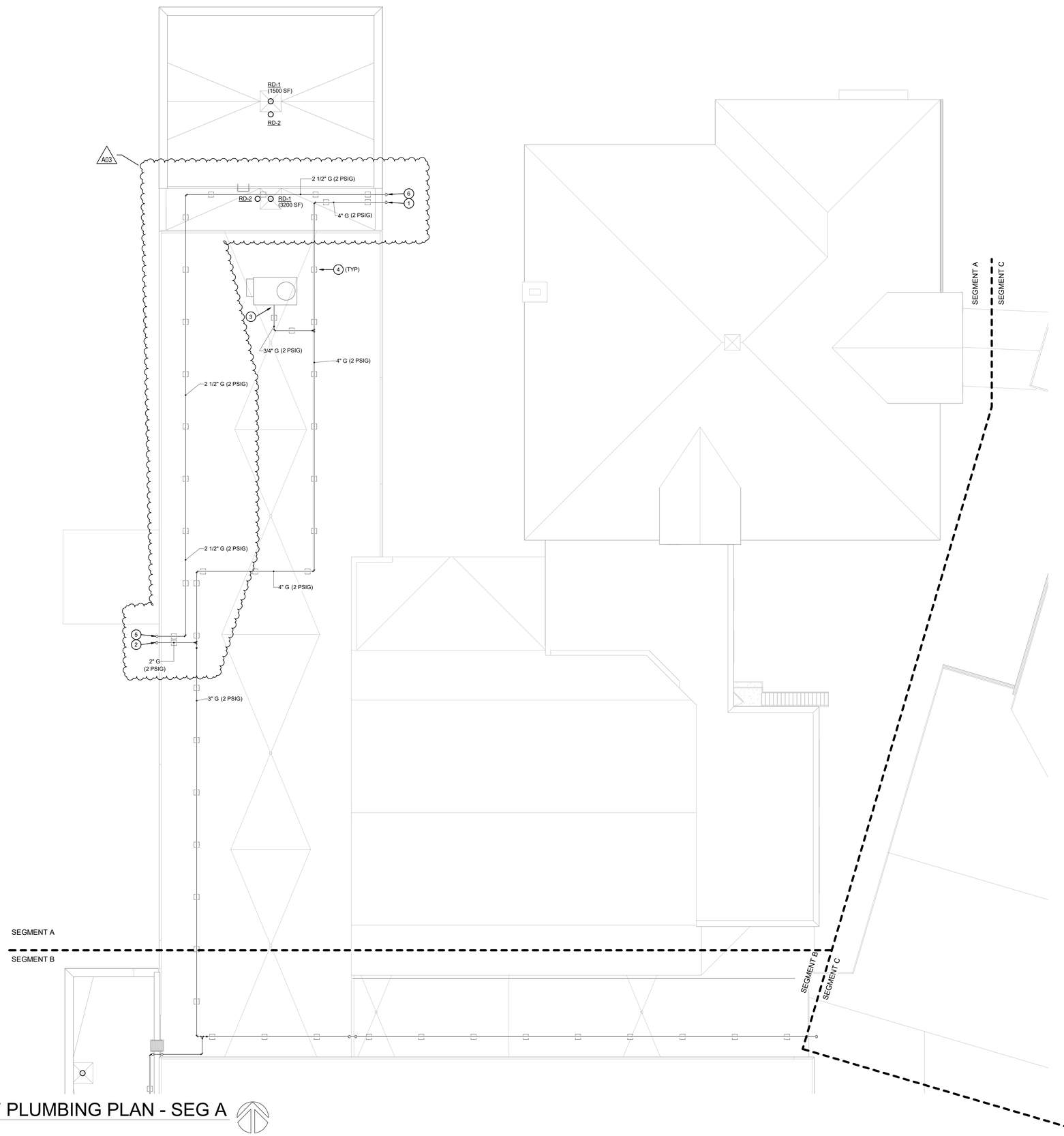
A03	ADD3	9.28.21

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

Last Update: 9/29/2021 1:45:59 PM

P104



GENERAL NOTES: PLUMBING

A03

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

PLUMBING PLAN KEYNOTES

A03

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

A03

5. 2 1/2" G (2 PSIG) DN TO SERVE NEW BOILERS (INTERRUPTIBLE). REFER TO SHEET P100 FOR CONTINUATION.
6. 2 1/2" G (2 PSIG) DN TO NEW GAS SERVICE (INTERRUPTIBLE) REFER TO SHEET P102 FOR CONTINUATION.

1 ROOF PLUMBING PLAN - SEG A

1/8" = 1'-0"

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

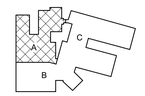
Sheet Title: ROOF PLUMBING PLAN - SEG A

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: OTIE

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
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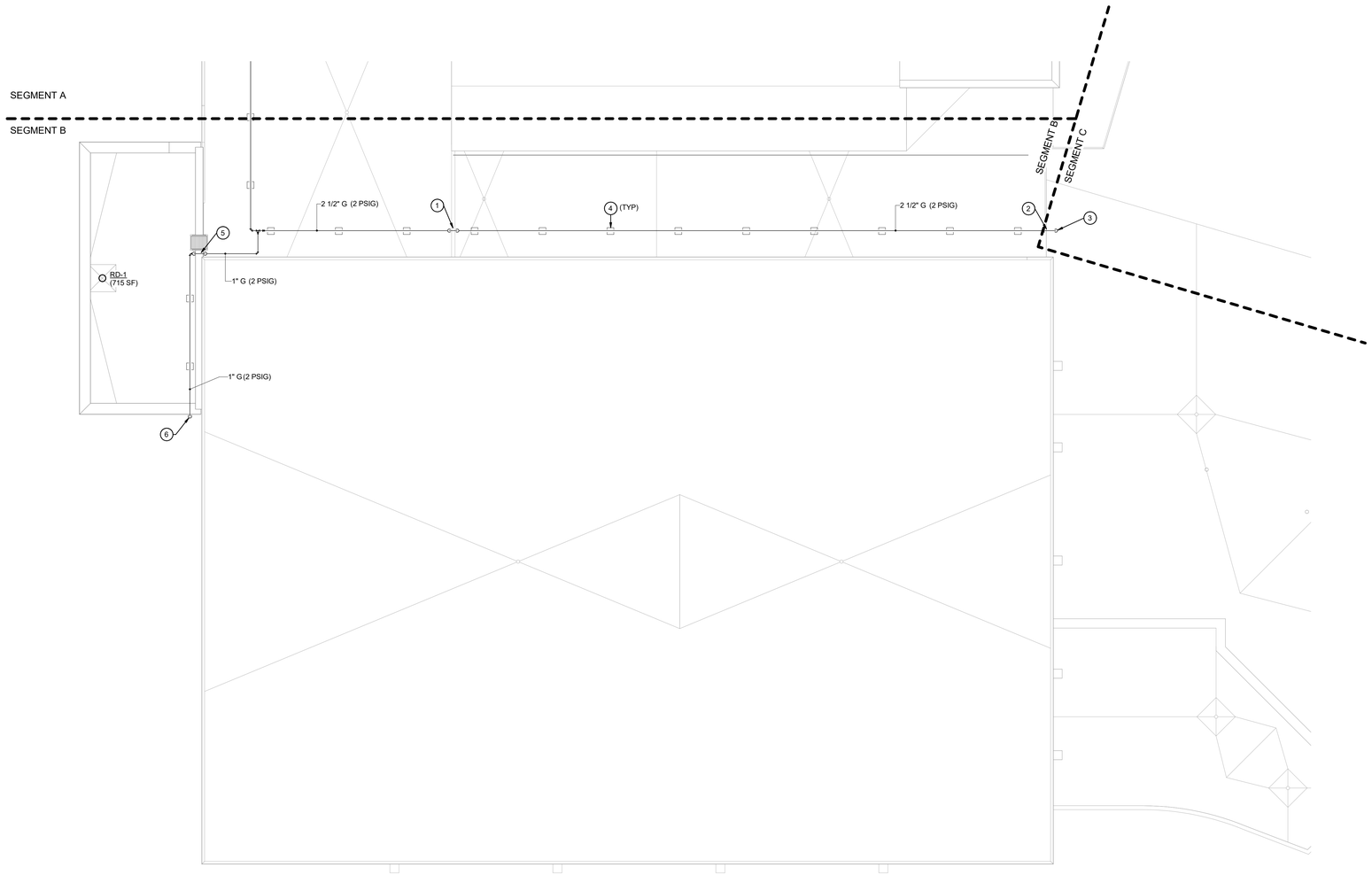
A03	ADD3	9.28.21

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

Last Update: 9/29/2021 1:46:00 PM

P105



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.

A03

PLUMBING PLAN KEYNOTES

1. ROUTE PIPING OVER EXISTING ROOF TRANSITION.
2. RISE UP TO HIGHER ROOF.
3. 2 1/2" G DOWN TO ABOVE CEILING. REFER TO SHEET P103 FOR CONTINUATION. PROVIDE PIPE BOOT/FLASHING. ROOF WORK SHALL MEET EXISTING ROOF SYSTEM WARRANTY REQUIREMENT.
4. PREMANUFACTURED PIPE SUPPORT. MIRO MODEL 3-R-4 OR EQUAL FOR PIPING 2 1/2" AND SMALLER AND MIRO MODEL RAH FOR 3" OR 4" PIPING. REFER TO SPECIFICATION FOR SPACING OF SUPPORTS - SAME A HANGER SPACING.
5. RISE UP AND OVER ROOF TRANSITION BETWEEN ACCESS LADDER AND EXISTING BUILDING.
6. 1" G DN TO SERVE NEW MAKE-UP AIR UNIT IN SHOP CLASSROOM. REFER TO SHEET P101 FOR CONTINUATION.

1 ROOF PLUMBING PLAN - SEG B

1/8" = 1'-0"

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

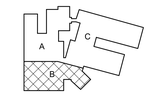
Sheet Title: ROOF PLUMBING PLAN - SEG B

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: OTIE

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
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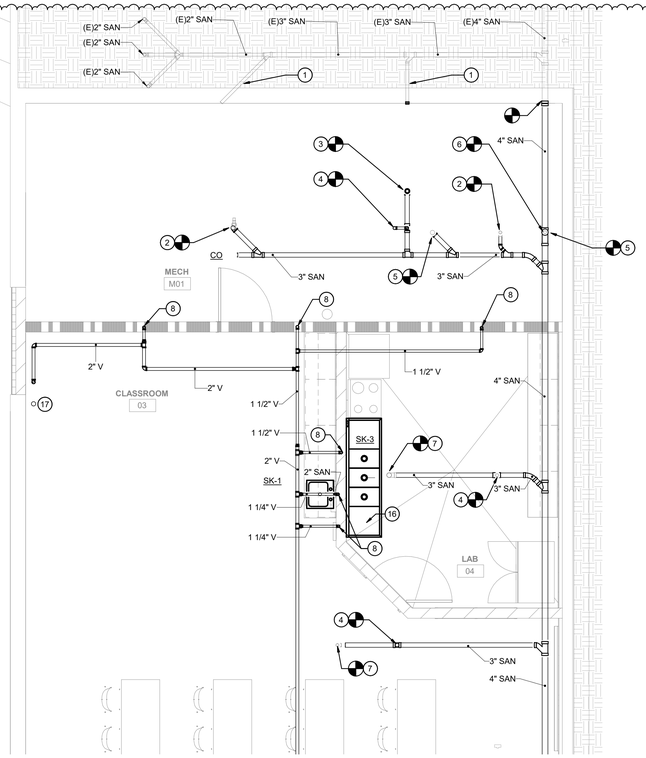
A03	ADD3	9.28.21

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

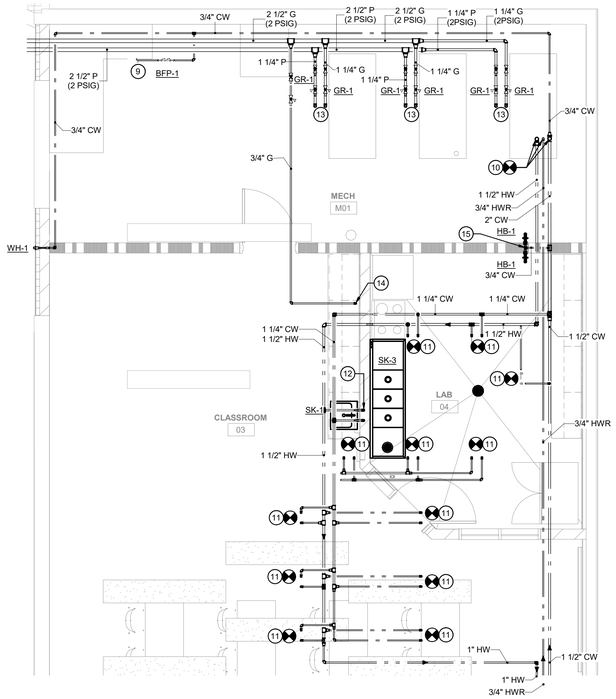
Last Update: 9/29/2021 1:46:02 PM

P106



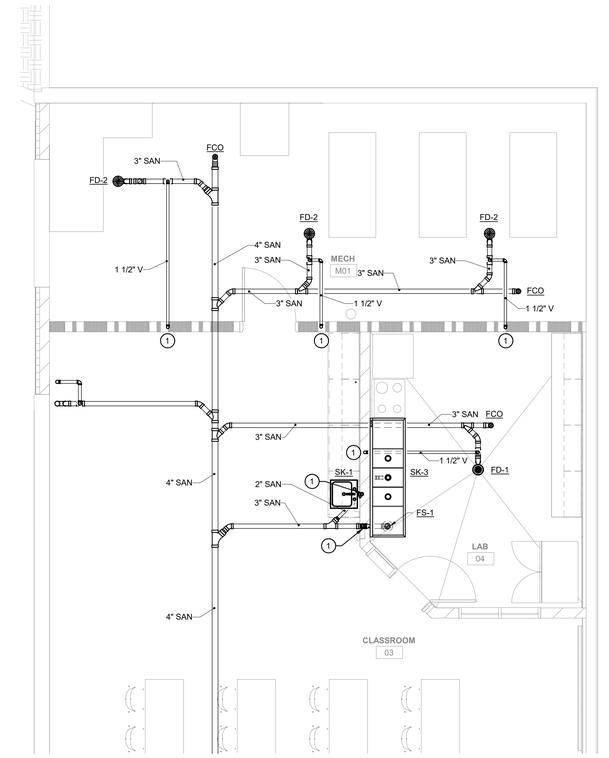
3 LOWER LEVEL ABOVE FLOOR PLUMBING ENLARGED PLAN - SEG A - WASTE AND VENT

1/4" = 1'-0"



2 LOWER LEVEL ABOVE FLOOR PLUMBING ENGLARGED PLAN - SEG A - DOMESTIC WATER AND GAS

1/4" = 1'-0"



1 LOWER UNDERFLOOR PLUMBING ENLARGED PLAN - SEG A

1/4" = 1'-0"

A03

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. EXISTING SAN BELOW FLOOR ABANDONED IN PLACE.
2. NEW 1 1/2" SAN CONNECTION TO EXISTING PIPING SERVING LAVATORY ABOVE.
3. NEW 2" SAN TRAP AND CONNECTION TO EXISTING FLOOR DRAIN.
4. NEW 1 1/2" V CONNECTION TO EXISTING PIPE UP.
5. NEW 2" SAN CONNECTION TO EXISTING PIPING SERVING FIXTURES ABOVE.
6. NEW 4" SAN CONNECTION TO EXISTING WATER CLOSET ABOVE.
7. NEW 3" TRAP AND CONNECTION TO EXISTING FLOOR DRAIN ABOVE.
8. 1 1/2" V DN.
9. EXTEND 3/4" CW AFTER BFP-1 TO HEATING SYSTEM AND CHILLED WATER SYSTEM FEEDER UNITS.
10. NEW 2" CW, 2" HW, AND 3/4" HWR CONNECTIONS TO EXISTING PIPING UP.
11. NEW 3/4" CW AND 3/4" HW CONNECTION TO EXISTING PIPING UP SERVING SHOWER ABOVE.
12. 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.
13. 1 1/2" G AND 1 1/2" P DN TO BOILER GAS TRAIN.
14. 3/4" G DN SURFACE MOUNTED TO GAS COCK. INSTALLED APPLIANCE CONNECTION.
15. 3/4" CW DN TO (2) HB-1.
16. PROVIDE 2" SAN PIPING TO EACH SINK BASIN. CONNECT TO 2" SAN SINGLE PIPE WHICH DISCHARGES OVER FLOOR SINK, FS-1.
17. 3" HUB DRAIN.

ARCHITECTURE
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Consultant:
ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

Project Title: LA FARGE SCHOOL DISTRICT
ADDITION AND RENOVATION

Project Location: 301 WEST ADAMS STREET
LA FARGE, WISCONSIN

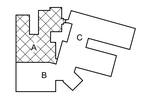
Sheet Title: PLUMBING ENLARGED PLANS

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
A03	ADD3	9.28.21

Graphic Scale: 0' 1' 2' 4' 6'

Last Update: 9/29/2021 1:46:05 PM

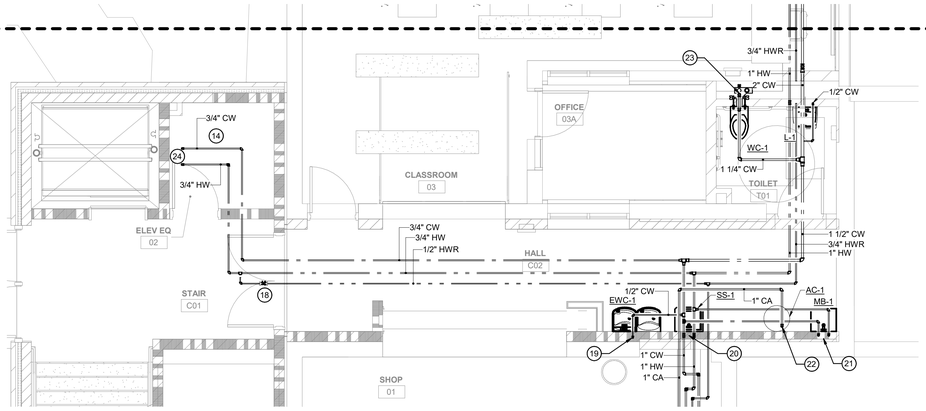
P400

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.

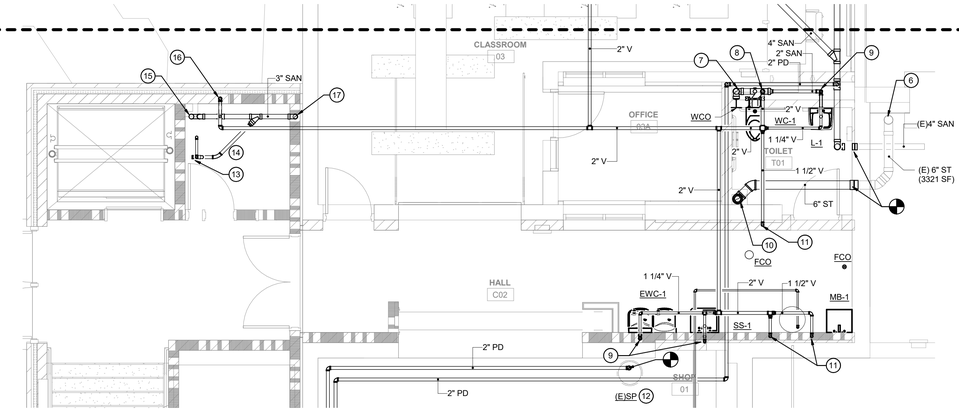
(#) PLUMBING PLAN KEYNOTES

1. 1 1/2" V UP.
2. 3" SAN UP.
3. 2" SAN UP.
4. 6" ST UP.
5. 4" SAN UP.
6. EXISTING 6" ST UP.
7. 4" SAN DN.
8. 2" V DN.
9. 1 1/4" V DN.
10. 6" ST DN.
11. 1 1/2" V DN.
12. EXISTING FOUNDATION DRAINAGE SUMP/PUMP EXTEND NEW 2" PD FROM EXISTING PUMP TO POINT SHOWN. REFER TO DETAIL 3/P500.
13. 2" SAN UP TO SS-1.
14. PIPING TO BE INSTALLED ABOVE RATED CEILING.
15. 3" SAN UP TO MOP BASIN.
16. 1 1/2" V DN TO MOP BASIN PIPING AND 2" V UP.
17. 3" SAN DN.
18. SET BALANCE VALVE TO 0.5 GPM.
19. 1/2" CW DN TO EWC-1.
20. 1/2" CW, 1/2" HW DN TO SS-1.
21. 3/4" CW, 3/4" HW DN TO MB-1.
22. 1" CA DN TO AC-1.
23. 1 1/4" CW DN TO WC-1. INSTALL WATTER HAMMER ARRESTOR.
24. 3/4" CW, 3/4" HW UP TO SERVE MB-1 AND SS-1 ON FLOOR ABOVE.



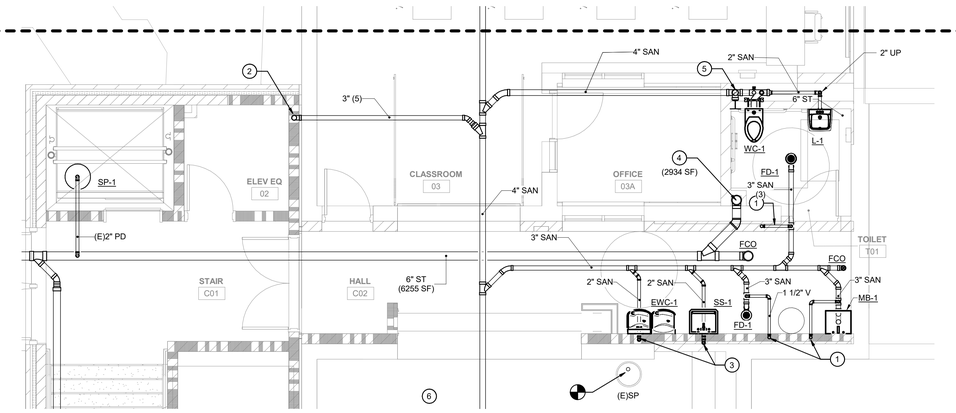
3 LOWER LEVEL ABOVE FLOOR PLUMBING ENLARGED PLAN - SEG B - DOMESTIC WATER AND COMPRESSED AIR

1/4" = 1'-0"



2 LOWER LEVEL ABOVE FLOOR PLUMBING ENLARGED PLAN - SEG B - WASTE AND VENT

1/4" = 1'-0"



1 LOWER LEVEL UNDERFLOOR PLUMBING ENLARGED PLAN - SEG B

1/4" = 1'-0"

A03

ARCHITECTURE
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Consultant:
ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

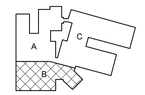
Sheet Title: **PLUMBING ENLARGED PLANS**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

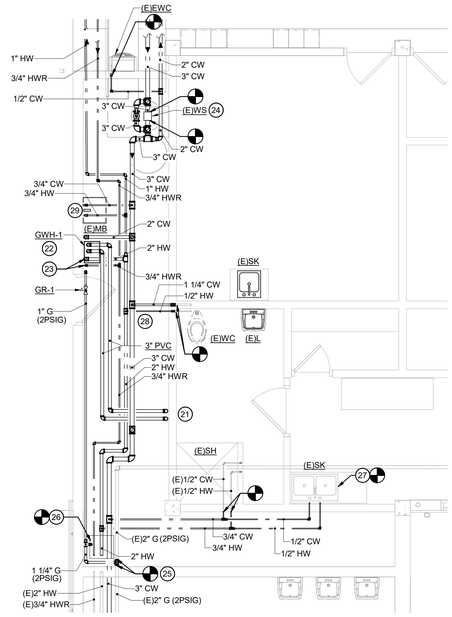
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: 0" 1" 2" 4" 6"

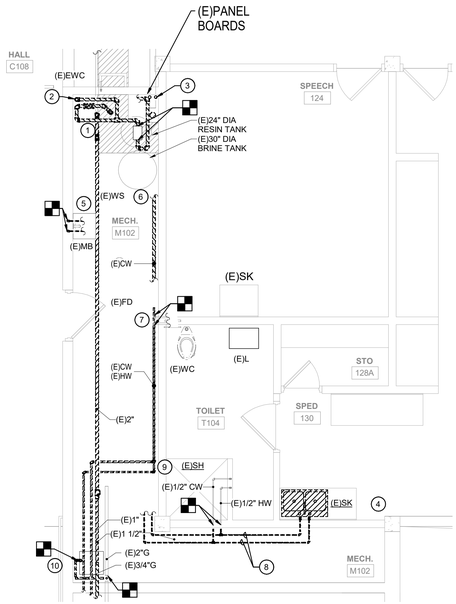
Last Update: **9/29/2021 2:06:08 PM**

P401



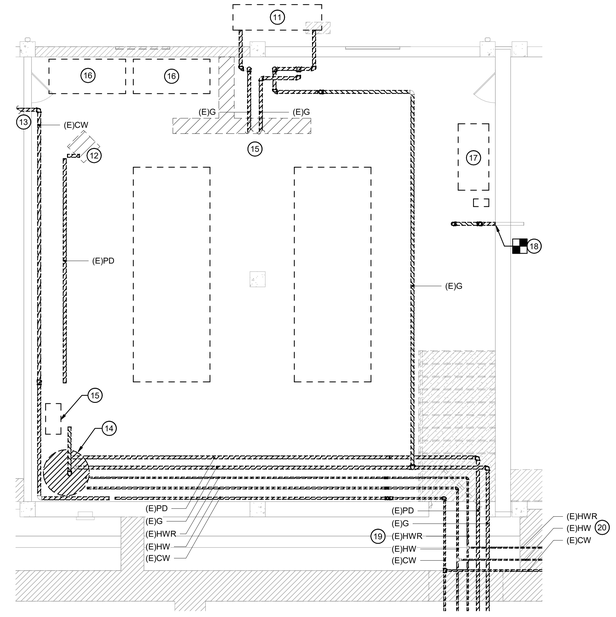
3 FIRST FLOOR PLUMBING ENLARGED PLAN - SEG C

1/4" = 1'-0"



2 PLUMBING ENLARGED DEMO PLAN - SEG C

1/4" = 1'-0"



1 FIRST FLOOR PLUMBING ENLARGED DEMO PLAN - SEG C - BOILER ROOM

1/4" = 1'-0"

A03

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. REMOVE EXISTING WATER SERVICE COMPLETE. CAP PIPING AT FLOOR. EXISTING UNDERGROUND SERVICE PIPING TO BE ABANDONED IN PLACE.
2. REMOVE 2" CW PIPE SERVING 1901 BLDG. CAP PIPING AT FLOOR. UNDERGROUND PIPING TO BE ABANDONED IN PLACE.
3. REMOVE CW, HW PIPING SERVING EXISTING UNDERGROUND PIPING. CAP AT FLOOR.
4. BASE BID: EXISTING SINK TO REMAIN. CW, HW ROUGH-IN TO BE MODIFIED FOR NEW PIPING CONNECTIONS.

   ALTERNATE BID: REPLACE SINK WITH NEW. EXISTING ROUGH-IN PIPING TO BE MODIFIED FOR NEW CONNECTIONS.
5. EXISTING MOP BASIN TO REMAIN. REMOVE CW, HW PIPING CONNECTIONS FOR REPLACEMENT TO POINT NOTED.
6. EXISTING WATER SOFTENER TO REMAIN. REMOVE PIPING CONNECTIONS FOR NEW CONNECTIONS.
7. REMOVE PIPING SERVING EXISTING PLUMBING FIXTURES FOR NEW CONNECTIONS.
8. REMOVE PEX PIPING SERVING EXISTING SHOWER AND SINK FOR REPLACEMENT.
9. REMOVE CW, HW, HWR PIPING DOWN AND INTO TUNNEL.
10. REMOVE G PIPE CONNECTION TO FURNACE BEING REPLACED. EXISTING PRESSURE REGULATOR TO REMAIN.
11. UTILITY TO REMOVE GAS METER SETS. P.C. TO REMOVE PIPING SERVING BUILDING (AFTER METERS).
12. REMOVE SUMP PUMPS AND ALL ASSOCIATED PIPING.
13. REMOVE ALL PLUMBING PIPING ROUTED IN TUNNEL(S).
14. REMOVE EXISTING WATER HEATER AND ALL ASSOCIATED PIPING CONTROLS, AND VENTING. REMOVE VENT PIPING UP THROUGH ROOF. G.C. TO PATCH ROOF.
15. REMOVE ALL G PIPING IN ROOM INCLUDING CONNECTIONS TO BOILERS AND WATER HEATER BEING REMOVED.
16. REMOVE DIESEL OIL STORAGE TANK AND ALL ASSOCIATED PIPING. DISPOSE OF PER ALL APPLICABLE REGULATIONS.
17. REMOVE TEMPURATURE CONTROLS AIR COMPRESSOR, REFRIGERATED AIR DRYER, AND ALL ASSOCIATED PIPING.
18. REMOVE ABANDONED ROOF DRAIN AND PIPING. CAP PIPING IN WALL. G.C. TO PATCH WALL AND ROOF ASSEMBLIES.
19. REMOVE ALL PIPING IN TUNNEL. REFER TO SHEET P093 FOR CONTINUATION.
20. REMOVE PIPING CONNECTIONS TO UNDERFLOOR PIPING BEING REMOVED. REFER TO SHEET P093 FOR CONTINUATION.
21. 3" PVC (SOLID CORE) VENT AND INTAKE PIPING FROM WATER HEATER UP THROUGH ROOF PER MANUFACTURERS REQUIREMENTS. INSTALL BOOT FLASHING AT ROOF PENETRATION. G.C. TO PATCH ROOF.
22. MOUNT NEW GWH-1 ON WALL PER MANUFACTURERS REQUIREMENTS.
23. 3/4" HWR DN TO DHW CIRC PUMP, CP-1. REFER TO DETAIL 10/P500 FOR WATER HEATER PIPING.
24. MAKE NEW CW CONNECTIONS TO EXISTING WATER SOFTENER. SEE DETAIL 4/P500 FOR PIPING.
25. NEW 1 1/4" G CONNECTION TO SERVE NEW GWH-1 AND FURNACE.
26. NEW 1" G (2 PSIG) CONNECTION TO EXISTING FURNACE PIPING. EXISTING GAS PRESSURE REGULATOR TO REMAIN. MAKE NEW CONNECTION TO NEW FURNACE.
27. NEW 1/2" CW, 1/2" HW PIPING ROUGH-IN TO SINK. PROVIDE NEW STOPS AND SUPPLIES.
28. NEW 1 1/4" CW AND 1/2" HW CONNECTION TO PIPING TO SERVE EXISTING PLUMBING FIXTURES.
29. NEW 3/4" CW, 3/4" HW DOWN TO NEW FAUCET SERVING THE EXISTING MOP BASIN. NEW FAUCET SHALL BE SIMILAR TO MS-1 FAUCET (REFER TO PLUMBING SCHEDULES) BUT SUITABLE FOR EXPOSED PIPING INSTALLATION.

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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

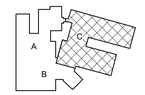
Sheet Title: FIRST FLOOR PLUMBING ENLARGED PLANS - SEG C

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: OTIE

Key Plan:



KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: 0" 1" 2" 4" 6"

Last Update: 9/29/2021 1:46:12 PM

P402

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 1 1/4" V CONNECTION TO EXISTING VTR.
2. NEW V CONNECTIONS TO EXISTING VTR.
3. NEW 4" WATER SERVICE. REFER TO DETAIL 10/P500.
4. EXISTING G PIPING IS LOCATED IN TUNNEL.
5. NEW G CONNECTION TO NEW FURNACE EXISTING GR TO REMAIN.
6. 1/2" CW, 1/2" HW CONNECTIONS.
7. SET BALANCE VALVE TO 0.5 GPM 6PM.
8. 1 1/4" CW DN TO NEW WATER CLOSET. INSTALL WATER HAMMER ARRESTOR.
9. NEW 2" SAN CONNECTION TO EXISTING SAN PIPING BELOW FLOOR. G.C. TO SAWCUT AND PATCH FLOOR.

A03

2 FIRST FLOOR ENLARGED PLUMBING PLAN - SEG C - WASTE AND VENT

1/4" = 1'-0"

1 FIRST FLOOR ENLARGED PLUMBING PLAN - SEG C - DOMESTIC WATER AND GAS

1/4" = 1'-0"

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

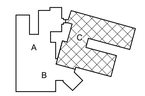
Sheet Title: **FIRST FLOOR PLUMBING ENLARGED PLANS - SEG C**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **OTIE**

Key Plan:



KEY PLAN

BID DOCUMENTS

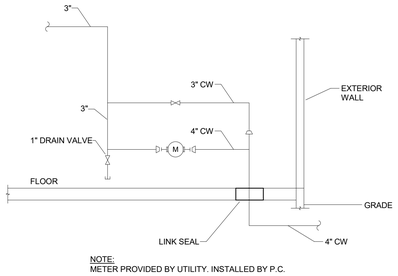
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: 0' 1' 2' 4' 6'

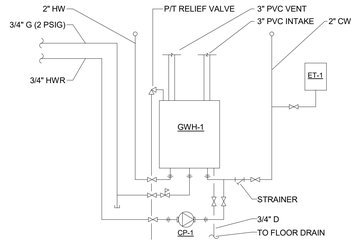
Last Update: **9/29/2021 2:03:35 PM**

P403

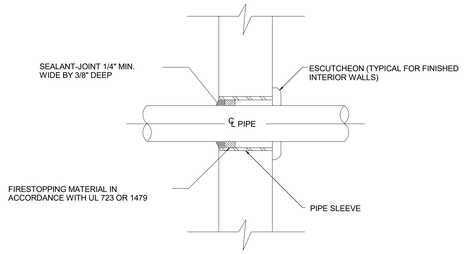


NOTE:
METER PROVIDED BY UTILITY. INSTALLED BY P.C.

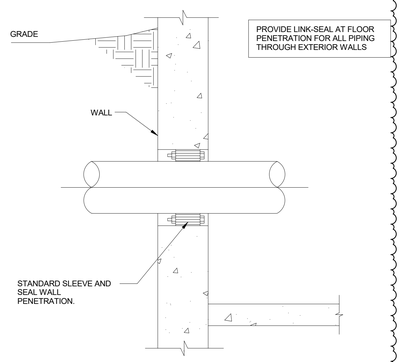
11 WATER SERVICE DETAIL
NONE SCALE:



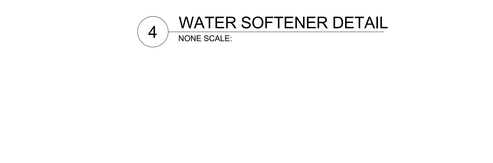
10 WATER HEATER PIPING DETAIL
NONE SCALE:



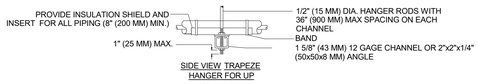
9 TYPICAL WALL PENETRATION DETAIL
SCALE: NONE



8 PIPING WALL PENETRATION DETAIL
SCALE: NONE



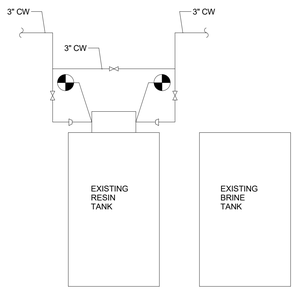
8 GAS SERVICE DETAIL
NONE SCALE:



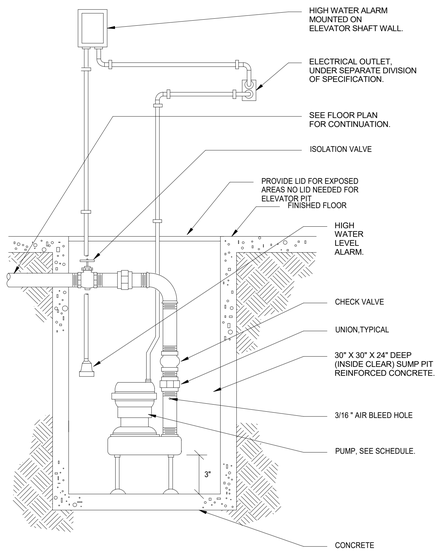
ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

SIDE VIEW TRAPEZE HANGER FOR UP

7 PIPE HANGER DETAIL
SCALE: NONE

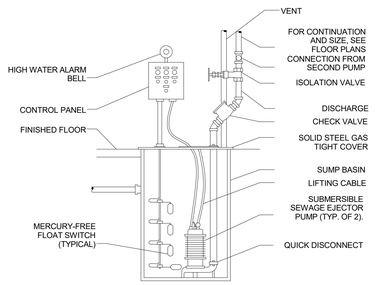


4 WATER SOFTENER DETAIL
NONE SCALE:

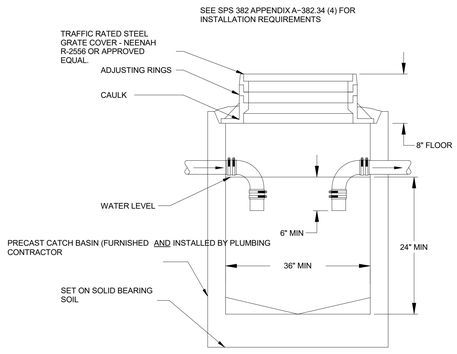


3 SUMP PUMP DETAIL
SCALE: NONE

NOTES:
1. REFER TO PLUMBING EQUIPMENT SCHEDULES FOR SIZES / CAPACITIES.

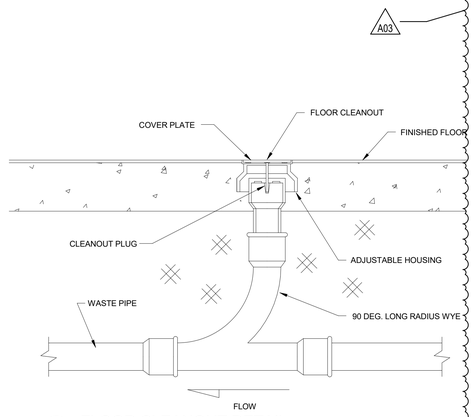


6 DUPLEX SEWAGE EJECTOR DETAIL
SCALE: NONE



2 CATCH BASIN PIPING DETAIL (CB-1)
SCALE: NONE

5 PIPE SLEEVE THRU INTERIOR WALL
SCALE: NONE



1 FLOOR CLEANOUT DETAIL
SCALE: NONE

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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 DETAILS

HSR Project Number: 19041-1

Project Date: SEPTEMBER 2021

Drawn By: OTIE

Key Plan:

BID DOCUMENTS

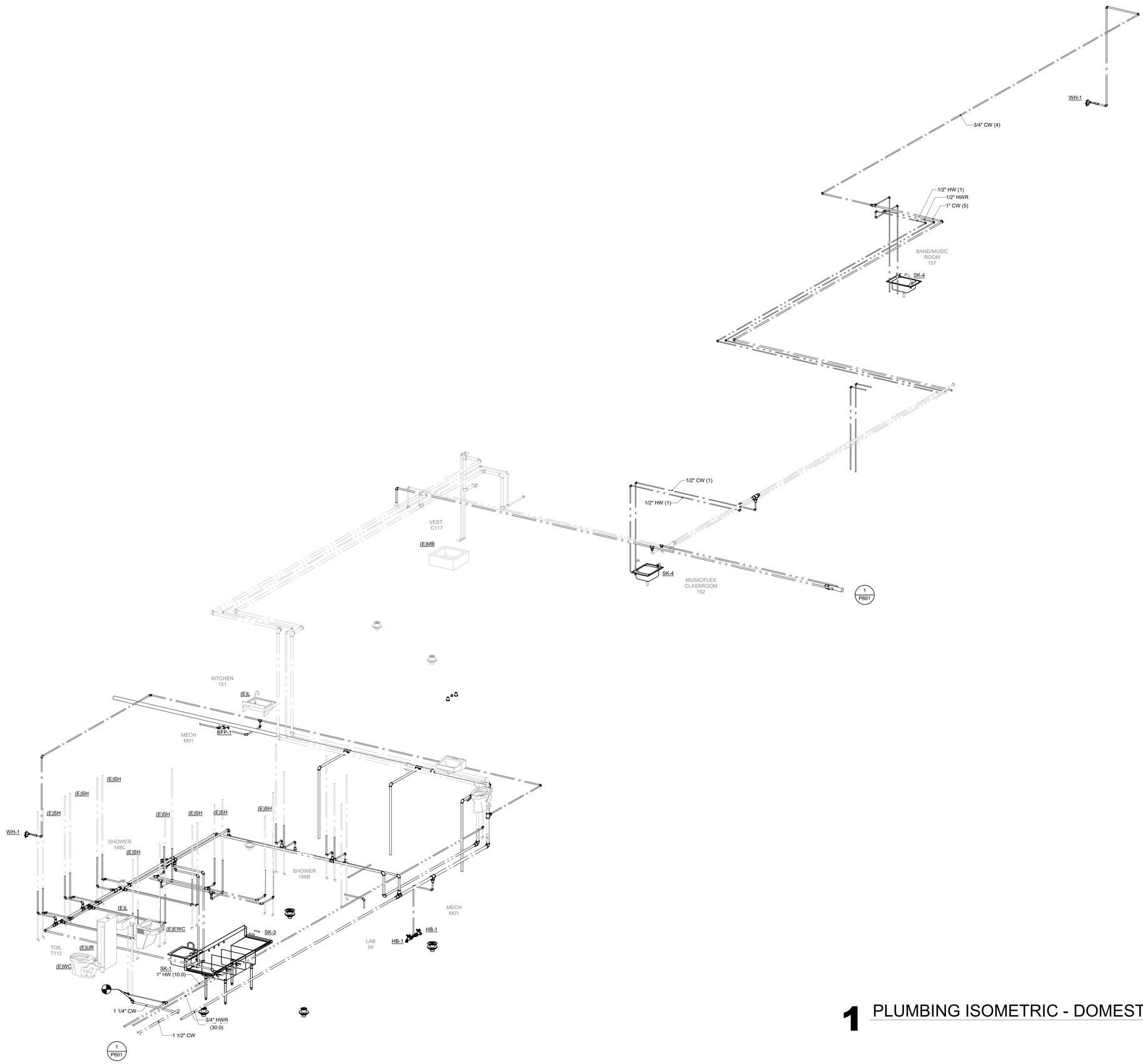
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: VARIES

Last Update: 9/29/2021 1:46:16 PM

P500



1 PLUMBING ISOMETRIC - DOMESTIC WATER - SEG A1

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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

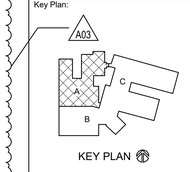
Sheet Title: **PLUMBING ISOMETRICS - DOMESTIC WATER - SEG A1**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



KEY PLAN

BID DOCUMENTS

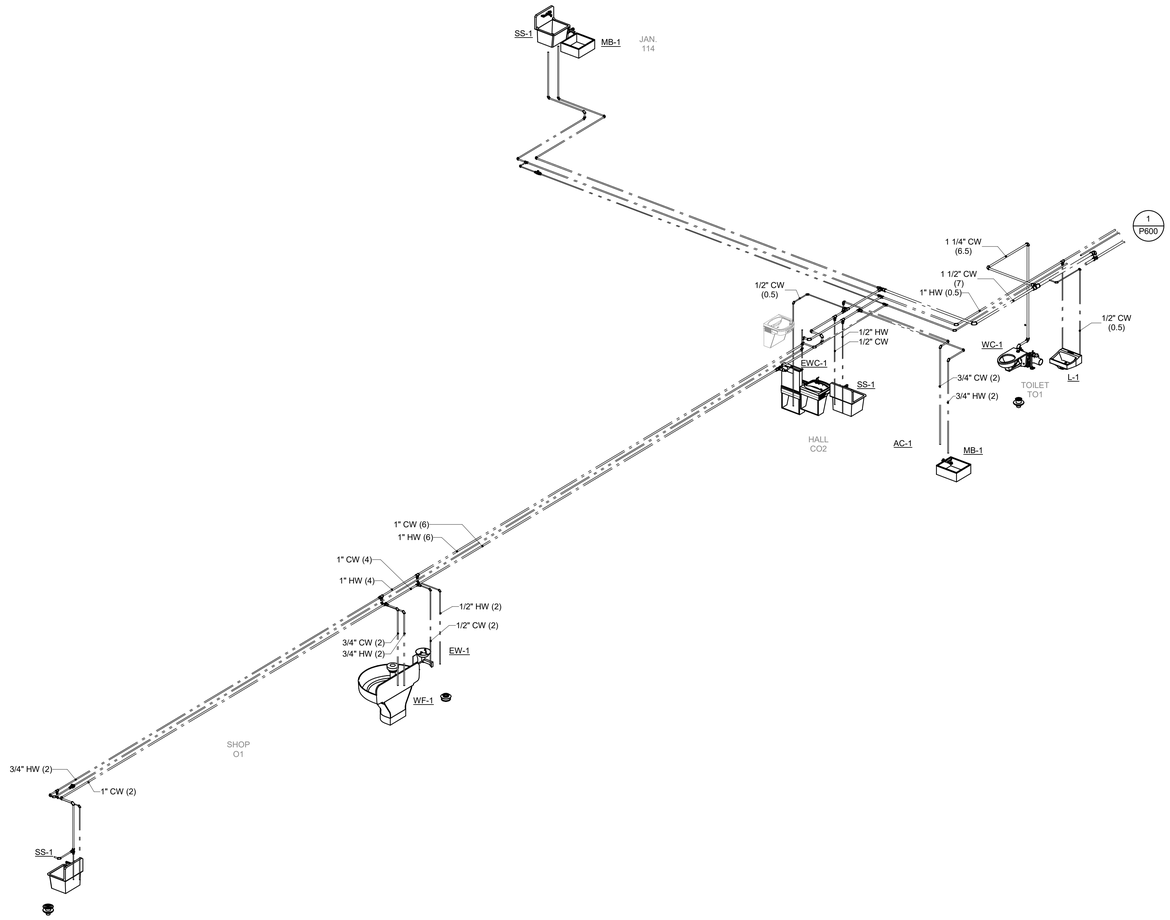
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:46:18 PM**

P600



1 PLUMBING ISOMETRIC - DOMESTIC WATER - SEG B

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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**

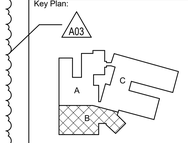
Sheet Title: **PLUMBING ISOMETRICS - DOMESTIC WATER - SEG B**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



KEY PLAN

BID DOCUMENTS

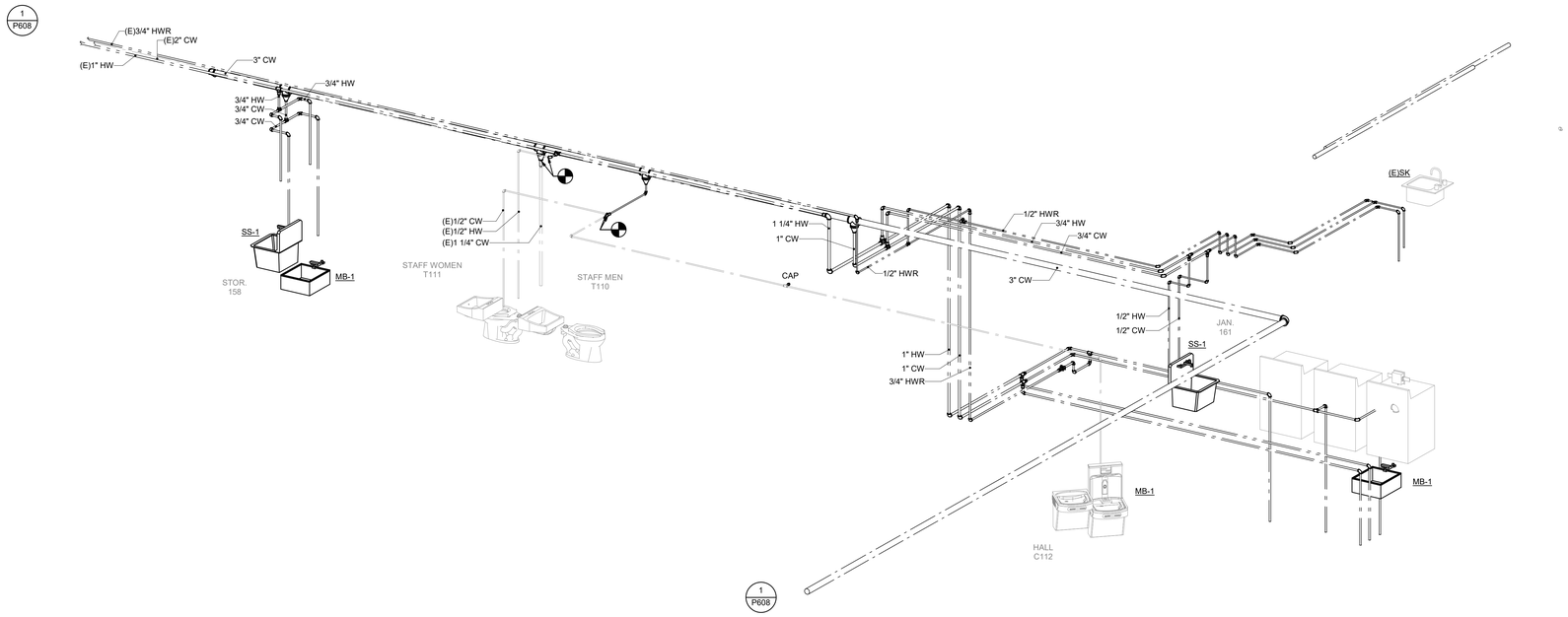
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 2:01:18 PM**

P601



1 PLUMBING ISOMETRIC - DOMESTIC WATER - SEG A2

ARCHITECTURE
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ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

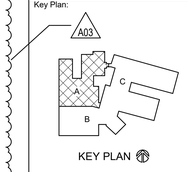
Sheet Title: **PLUMBING ISOMETRIC - DOMESTIC WATER - SEG A2**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



KEY PLAN

BID DOCUMENTS

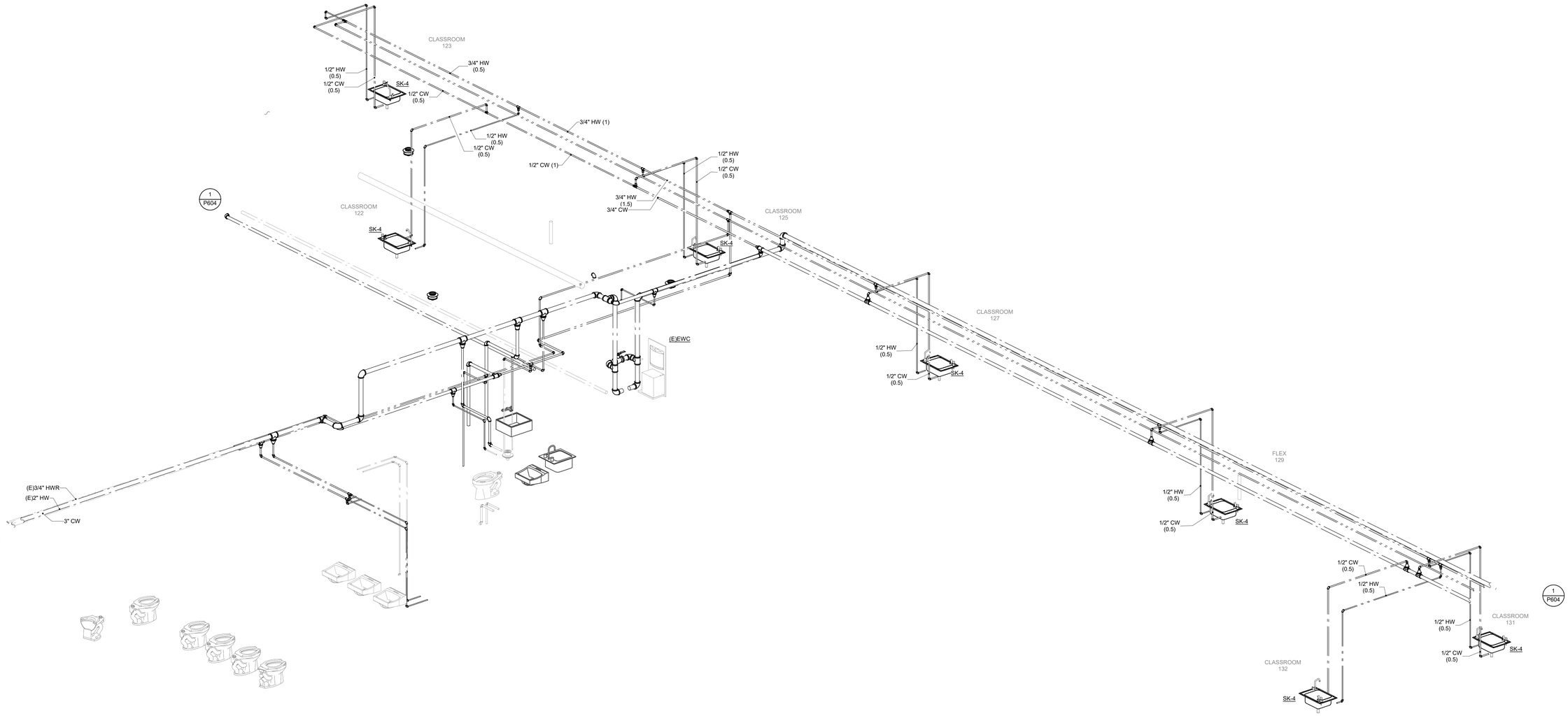
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 12:49:21 PM**

P602



1 PLUMBING ISOMETRIC - DOMESTIC WATER - SEG C1

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:
ONEIDA Total Integrated Enterprises

PROJECT NUMBER : 2021082

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

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

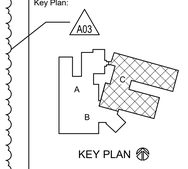
Sheet Title: **PLUMBING ISOMETRICS - DOMESTIC WATER - SEG C1**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



KEY PLAN

BID DOCUMENTS

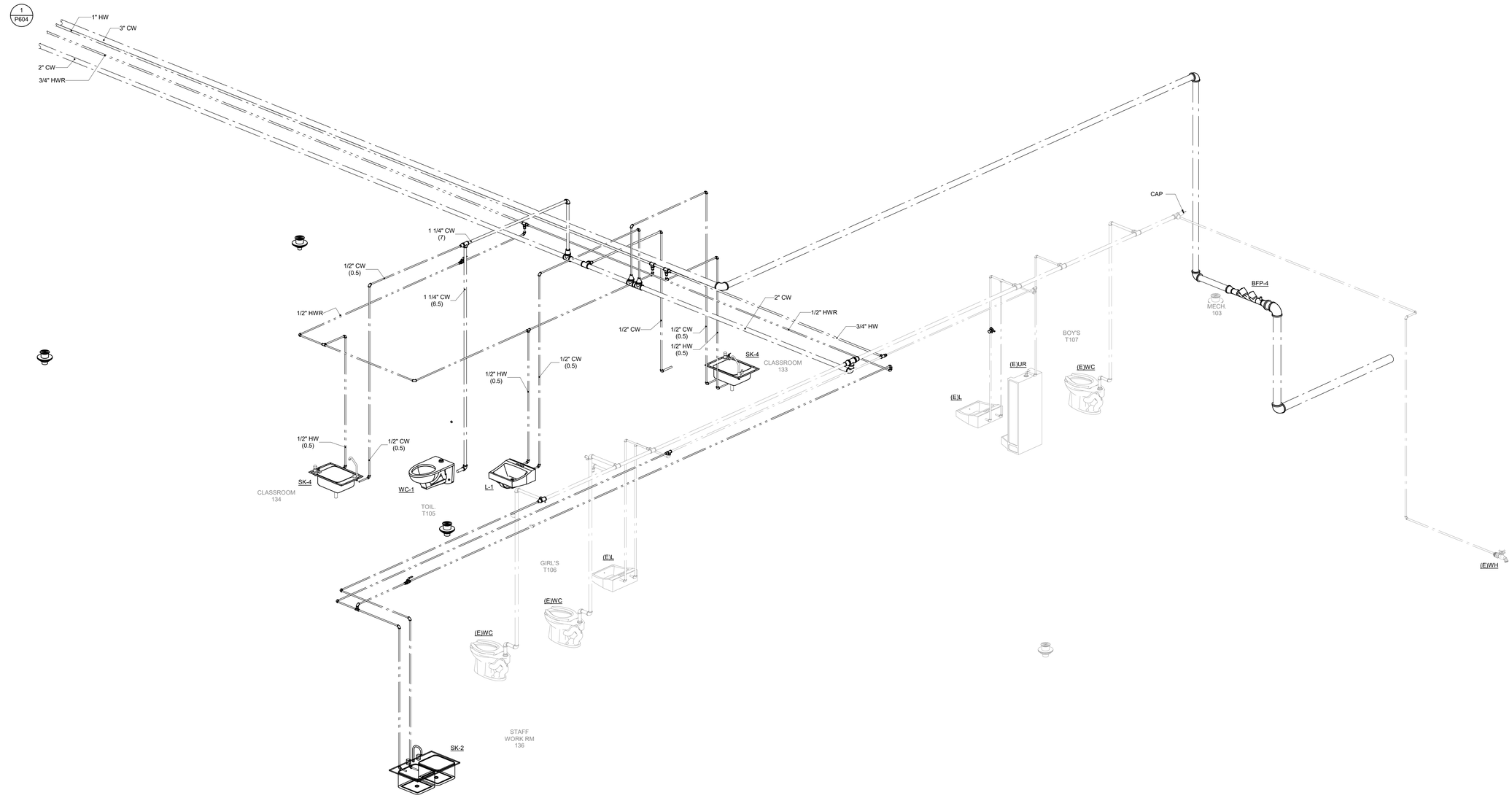
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:59:21 PM**

P603



1 PLUMBING ISOMETRIC - DOMESTIC WATER - SEG C2

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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**

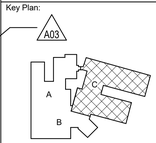
Sheet Title: **PLUMBING ISOMETRICS - DOMESTIC WATER - SEG C2**

HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



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BID DOCUMENTS

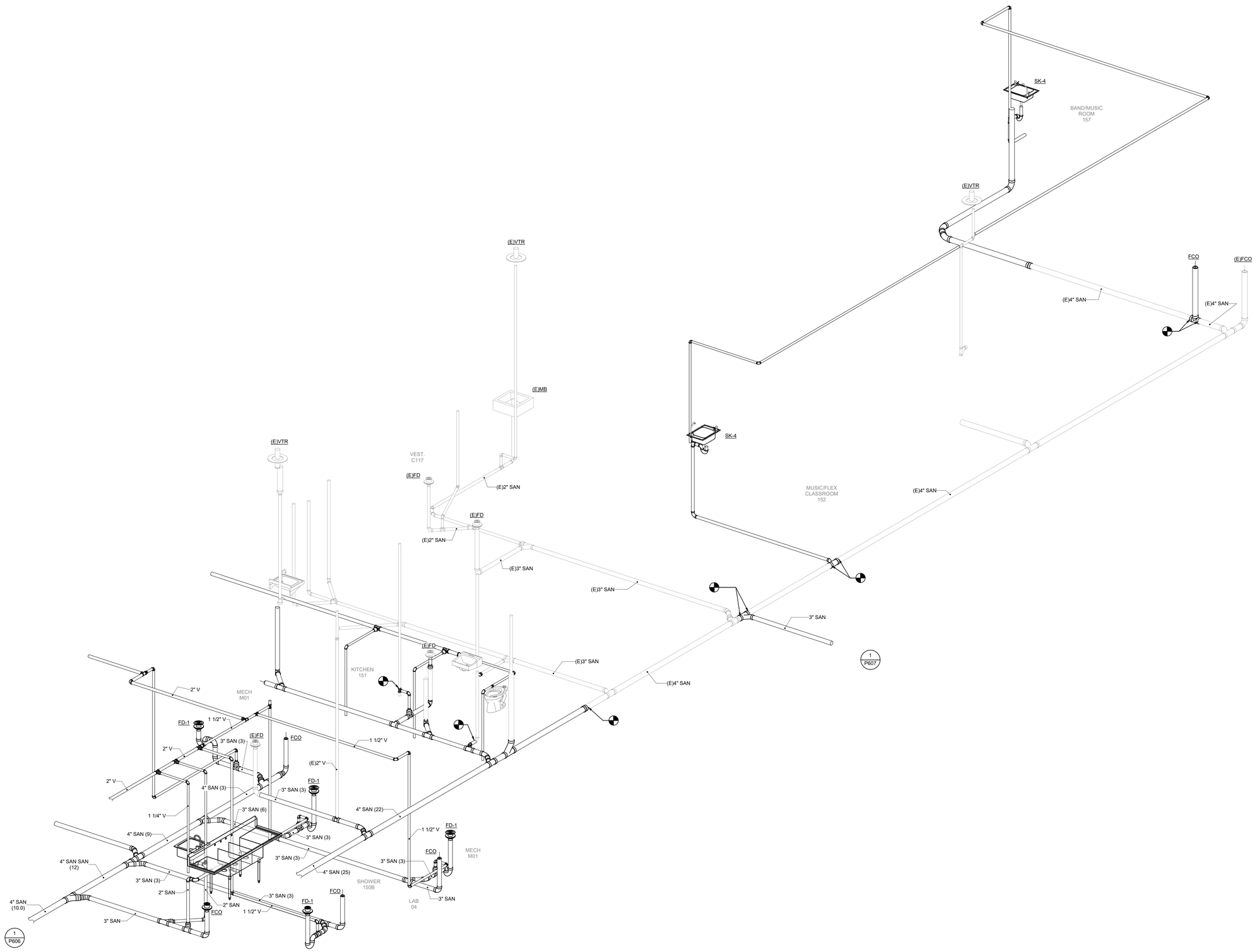
Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:46:23 PM**

P604



1 PLUMBING ISOMETRIC - WASTE AND VENT - SEG A

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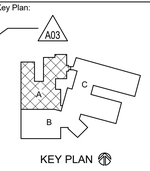

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BID DOCUMENTS

Revisions:

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Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:46:24 PM**

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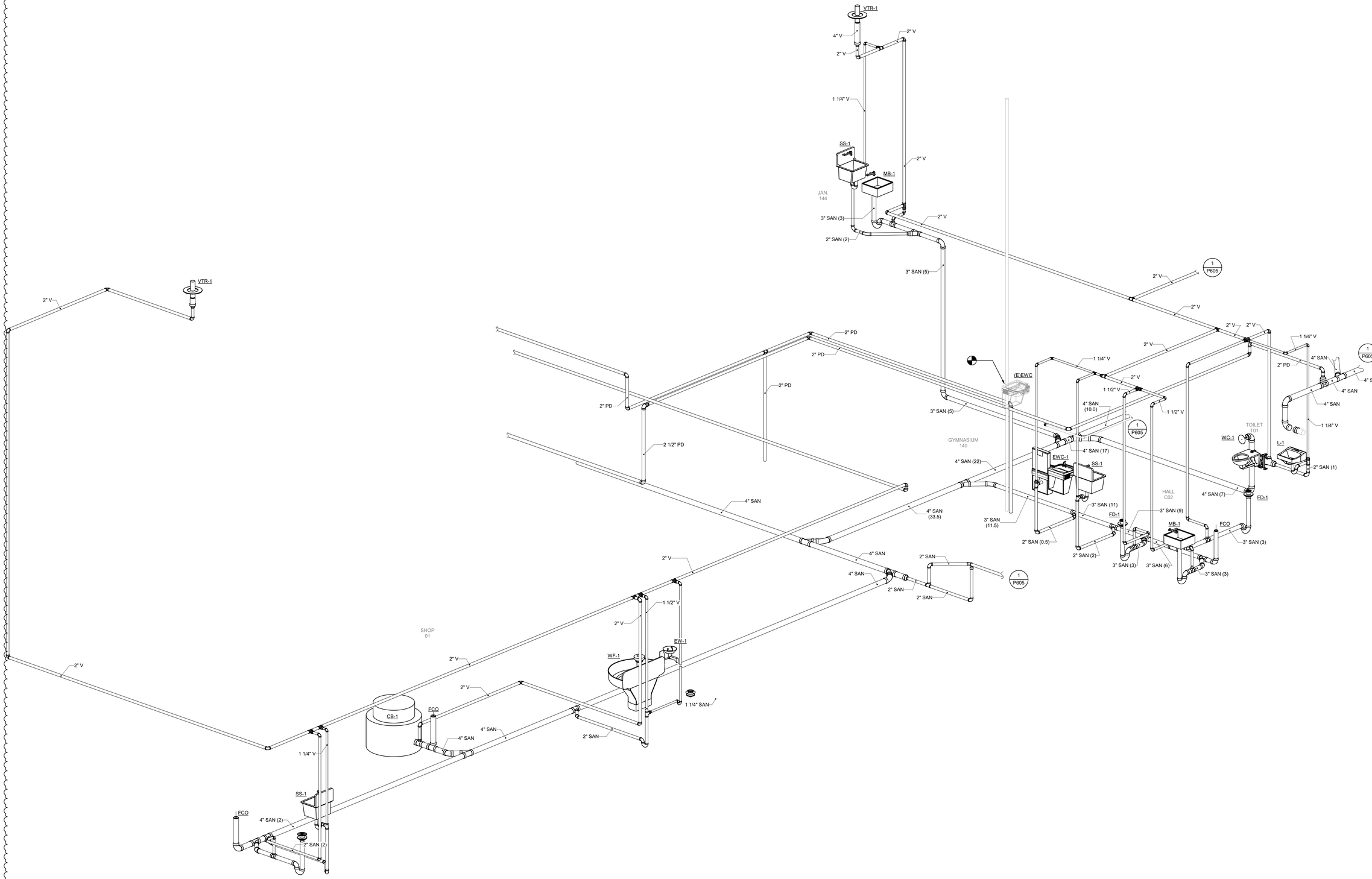

1 PLUMBING ISOMETRIC - WASTE AND VENT - SEG B

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Sheet Title: **PLUMBING ISOMETRIC - WASTE AND VENT - SEG B**

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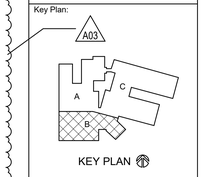
Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

Key Plan:



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BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:46:26 PM**

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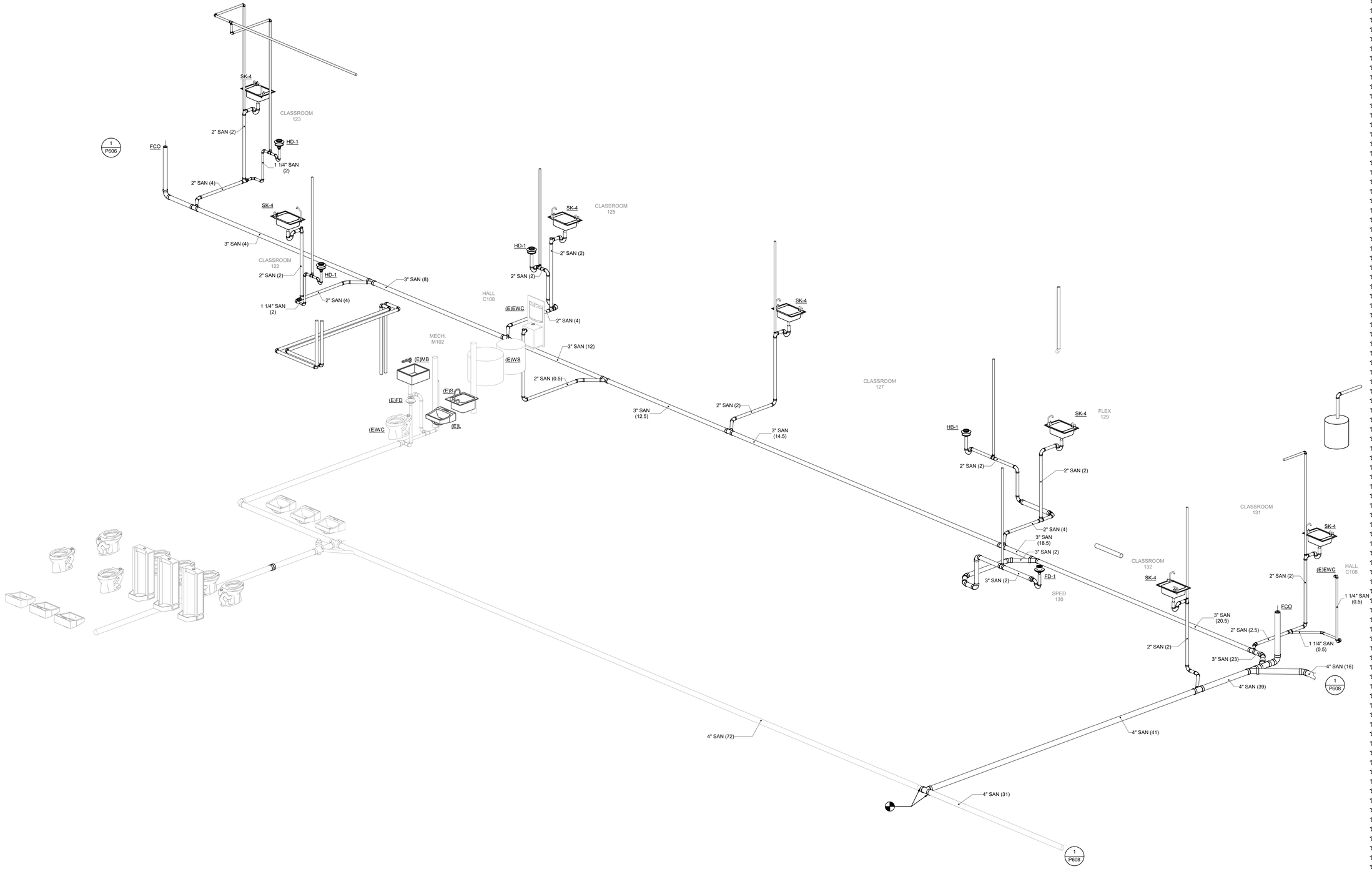

1 PLUMBING ISOMETRIC - WASTE AND VENT - SEG C1

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LA FARGE, WISCONSIN

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HSR Project Number: **19041-1**

Project Date: **SEPTEMBER 2021**

Drawn By: **Author**

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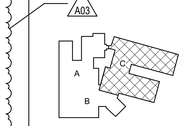

KEY PLAN

BID DOCUMENTS

Revisions:

No.	Description	Date
A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:57:29 PM**

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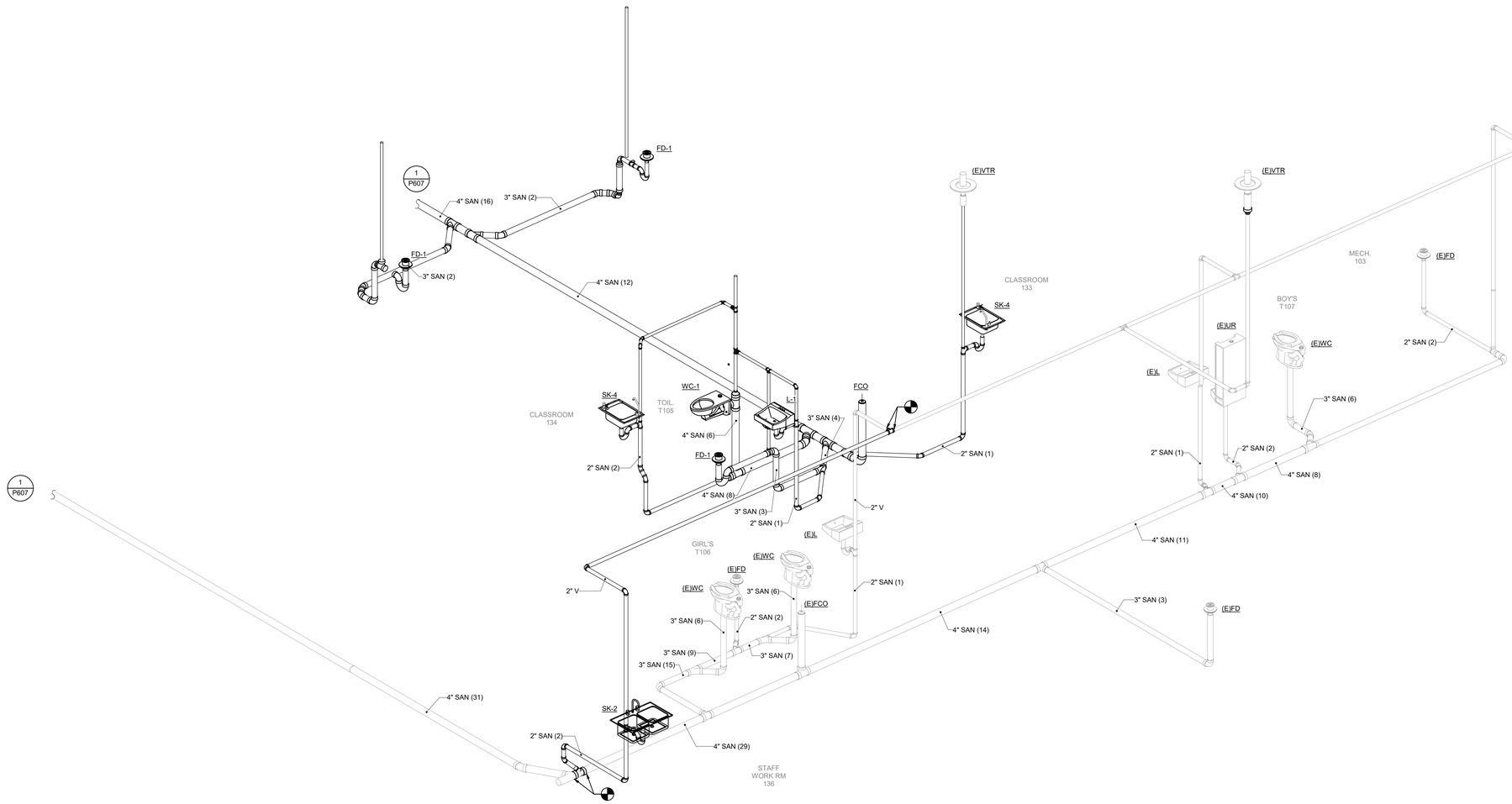

1 PLUMBING ISOMETRIC - WASTE AND VENT - SEG C2

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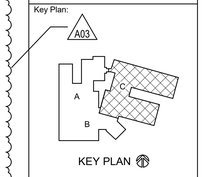

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Revisions:

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A03	ADD3	9.28.21

Graphic Scale: **VARIES**

Last Update: **9/29/2021 1:46:29 PM**

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