

**DOCUMENT 00 90 00
ADDENDUM**

ADDENDUM NO. [2] Date: March 5, 2021

**RE: ARCADIA SCHOOL DISTRICT
DAYCARE FACILITY REMODEL
350 EAST RIVER ST
ARCADIA, WI 54612
HSR PROJECT NO. 20016**

**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 February 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 [3] pages, pre-bid attendance, [2] sections, revised hardware groups and [7] 30 x 42 drawings.

CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:

1. Pre-bid attendance attached hereto.

2. Information Available to Bidders: The Owner has performed asbestos abatement in this building. There is no anticipation of additional removal required.

3. Section 00 73 00 SUPPLEMENTARY CONDITIONS
 - a. Page 2: Delete 3.7.1.1.

4. Section 00 74 00 INSTRUCTIONS FOR BONDS AND INSURANCE
 - a. Revise 1.03, B, 2, 3 and 4 as follows:
 2. Comprehensive or Commercial General Liability (including Premises-Operations; Independent Contractors' Protective; Products and Completed Operations; Broad Form Property Damage):
 - a) Bodily Injury and Property Damage:
\$1,000,000 ~~Combined Single Limit (CSL)~~ Each Occurrence
Minimum \$2,000,000 Aggregate or Per Project Endorsement
 3. Contractual Liability:
 - a) Bodily Injury and Property Damage:
\$1,000,000 ~~Combined Single Limit (CSL)~~ Each Occurrence
Minimum \$2,000,000 Aggregate or Per Project Endorsement.
 4. Business Auto Liability (including owned, non-owned and hired vehicles):
 - a) Bodily Injury and Property Damage:
\$1,000,000 Combined Single Limit (CSL) Each Occurrence
~~Minimum \$2,000,000 Aggregate or Per Project Endorsement~~

CHANGES TO SPECIFICATIONS

5. Section 03 30 00 CAST-IN-PLACE CONCRETE
 - a. Section attached hereto as part of the Contract Documents.

6. Section 05 50 00 STEEL FABRICATIONS
 - a. Section attached hereto as part of the Contract Documents for guard and hand rails at exterior ramp and stair.

7. Section 08 71 00 DOOR HARDWARE
 - a. Revised hardware groups attached hereto. Reference to alternate bid removed. Group 8 added.

8. Section 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION
 - a. At sloped area as shown on 4A100, install 2 to 2 ½ inches of pea gravel in an 8 foot square around the low point of the floor. Pea gravel thickness will become less as it fills upslope. Install leveling compound (approximately 3 inches at lowest point) across entire sloped area, feathered to 0 at perimeter of slope. Products listed under 2.01, A meet the requirements for the underlayment. Refer to prior approval for additional product.

9. Section 09 91 23 INTERIOR PAINTING
 - a. Add the following paint type for exterior handrails.
EPS 1 Ferrous Material Primed & Un-primed: Acrylic Semi-Gloss
(SW) Prep surface with SSPC-SP2. One coat ProCryl Universal Primer and two coats Sher-Cryl HPA High Performance Acrylic B66-300 Series.
(HL) Prep surface with SSPC-SP2. One coat Metalguard DTM Acrylic Primer/finish 338 and two coats Rustoleum High Performance DTM Acrylic 3800.

10. Section 10 44 00 FIRE PROTECTION SPECIALTIES
 - a. Section attached hereto as part of Contract Documents.

CHANGES TO DRAWINGS

11. Sheet A100 FIRST FLOOR 30x42 Drawing attached hereto
 - a. Revisions clouded on drawings.

12. Sheet A110 REFLECTED CEILING PLAN 30x42 Drawing attached hereto
 - a. Revisions clouded on drawings.

13. Sheet A200 ELEVATIONS 30x42 Drawing attached hereto
 - a. Revisions clouded on drawings

14. Sheet A600 WALL TYPES/DOOR SCHED. 30x42 Drawing attached hereto
 - a. Revisions clouded on drawings.

15. Sheet ID101 FINISH FLOOR PLAN 30x42 Drawing attached hereto
 - a. Revisions clouded on drawings.

16. Sheet M500 HVAC DETAILS AND SCHEDULES 30x42 Drawing attached hereto
 - a. CU-1 voltage revised and changed to 208V.

17. Sheet M100 HVAC DETAILS AND SCHEDULES 30x42 Drawing attached hereto
 - a. Note added to ensure existing grilles/diffuser and AC units are realigned to new ceiling grid.

PRIOR APPROVALS

1. Section 08 33 13 COILING COUNTER DOORS: Cornell, Model ERC10
2. Section 09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION: Floor Topping Leveler and Patching Compound; Formulated Materials, HydroPhase C150SL. www.formulatedmaterials.com
3. Section 26 09 18 ROOM LIGHTING CONTROLLER: Acuity Lighting Controls

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SECTION 03 30 00
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete formwork.
- B. Floors and slabs on grade.
- C. Concrete reinforcement.
- D. Joint devices associated with concrete work.
- E. Concrete curing.

1.02 RELATED REQUIREMENTS

- A. Section 01 40 00 - Quality Requirements
- B. Division 9 Floor Finishes: Restrictions for compatibility of flooring adhesives in regards to curing compounds, sealers and slab moisture content.

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; 2016.
- C. ACI 302.1R - Guide to Concrete Floor and Slab Construction; 2015.
- D. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; 2000 (Reapproved 2009).
- E. ACI 305R - Guide to Hot Weather Concreting; 2010.
- F. ACI 306R - Guide to Cold Weather Concreting; 2016.
- G. ACI 308R - Guide to External Curing of Concrete; 2016.
- H. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2018).
- I. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2020.
- J. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2018a.
- K. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2016.
- L. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2020.
- M. ASTM C150/C150M - Standard Specification for Portland Cement; 2016.
- N. ASTM C171 - Standard Specification for Sheet Materials for Curing Concrete; 2016.
- O. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a (Reapproved 2016).
- P. ASTM C309 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete; 2019.
- Q. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019.
- R. ASTM C618 - Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete; 2019.
- S. ASTM C881/C881M - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete; 2015.
- T. ASTM C989/C989M - Standard Specification for Slag Cement for Use in Concrete and Mortars; 2014.
- U. ASTM C1059/C1059M - Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete; 2013.
- V. ASTM C1240 - Standard Specification for Silica Fume Used in Cementitious Mixtures; 2020.
- W. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types); 2018.

1.04 SUBMITTALS

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

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. Form Materials: Contractor's choice of standard products with sufficient strength to withstand hydrostatic head without distortion in excess of permitted tolerances.
 - 1. Form Coating: Release agent that will not adversely affect concrete or interfere with application of coatings.

2.02 REINFORCEMENT MATERIALS

- A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi).
 - 1. Type: Deformed billet-steel bars.
- B. Steel Welded Wire Reinforcement (WWR): Plain type, ASTM A1064/A1064M.
 - 1. Form: Flat Sheets.

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. Slag Cement:
 - 1. Slag Cement shall meet requirements of ASTM C989/C989M. The Silica fume admixture shall be EMSAC F-100.
- G. Silica Fume: ASTM C1240, proportioned in accordance with ACI 211.1.
 - 1. EMSAC F-100 by Elkem Chemicals, Inc.
 - 2. Force 10,000 by W.R. Grace.
 - 3. Lafarge SF Cement by Lafarge Corporation.
 - 4. MasterLife SF100 by BASF Corporation.
- H. Water: Clean and not detrimental to concrete in accordance with ASTM C1602.

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 – BASF Corporation
 - 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" - BASF Corporation
 - 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 - BASF Corporation
 - 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 - BASF Corporation
 - 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 - BASF Corporation
 - 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 – BASF Corporation
 - c. Catexol 1000N – Axim Concrete Technologies
 - d. Substitutions: See Section 01 60 00 - Product Requirements.

2.05 ACCESSORY MATERIALS

- A. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf.
- B. Moisture-Retaining Cover: ASTM C171; clear polyethylene, white polyethylene, or white burlap-polyethylene sheet.
- C. 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 D1751, cellulose fiber.
 - 2. Manufacturers:
 - a. Nomaco, Inc; Isoflex: www.nomaco.com.
 - b. W. R. Meadows, Inc; Fiber Expansion Joint Filler with Snap-Cap: www.wrmeadows.com/#sle.
 - c. Sakrete: Concrete Expansion Joint. www.sakrete.com
 - d. Quikrete: Concrete Expansion Joint. www.quikrete.com
 - e. Greenstreak: Polypropylene Expansion Board with Expansion Board Cap. www.greenstreak.com
 - f. 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.

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. BASF Admixtures, Inc.; Confilm.
 - e. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Curing Compound, Naturally Dissipating: Clear, water-based, liquid membrane-forming compound; complying with ASTM C309. For exterior applications generally.
 - 1. Manufacturers:
 - a. Dayton Superior Corporation; Clear Resin Cure J11W: www.daytonsuperior.com/#sle.
 - b. Euclid Chemical Company; Kurez DR VOX: www.euclidchemical.com/#sle.
 - c. Kaufman Products Inc; Thinilm 420 Resin Base: www.kaufmanproducts.net/#sle.
 - d. Lucas Products: #7250 Dissipating Cure Water Based. www.rmlucas.com
 - e. SpecChem, LLC; SpecRez: www.specchemllc.com/#sle.
 - f. W. R. Meadows, Inc; 1100-Clear: www.wrmeadows.com/#sle.

- g. TK Products; TK-DC WB Dissipating Curing Compound 2519. www.tkproducts.com
- h. Substitutions: See Section 01 60 00 - Product Requirements.

- C. 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.
- D. 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. Slabs - Interior on Grade: | 0.50 | | 3 | 4000 |

| | | | | |
|---|------|---|---|------|
| 2. Concrete exposed to weather: | | | | |
| a. Sidewalks, Ramp, Related foundations | 0.50 | 6 | 4 | 4000 |

- 1. Fly Ash Content: Maximum 20 percent of cementitious materials by weight when used alone.
 - a. At interior slab on grade: A maximum of 50 percent total replacement of portland cement with GGBFS (Ground Granulated Blast-Furnace Slag) and fly ash at a 1:1 ratio; 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. Silica Fume Content: Maximum 5 percent of cementitious materials by weight.
- 4. Maximum Coarse Aggregate Size: For footings 1 1/2 inch.
- 5. 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. Formwork: Comply with requirements of ACI 301. Design and fabricate forms to support all applied loads until concrete is cured, and for easy removal without damage to concrete.
- B. 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.

- C. 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.
- D. Verify that forms are clean and free of rust before applying release agent.
- E. Coordinate placement of embedded items with erection of concrete formwork and placement of form accessories.
- F. 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.
- G. 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.

3.03 INSTALLING REINFORCEMENT AND OTHER EMBEDDED ITEMS

- A. Comply with requirements of ACI 301. Clean reinforcement of loose rust and mill scale, and accurately position, support, and secure in place to achieve not less than minimum concrete coverage required for protection.
- B. Install welded wire reinforcement in maximum possible lengths, and offset end laps in both directions. Splice laps with tie wire.

3.04 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.

3.05 SLAB JOINTING

- A. Anchor joint fillers and devices to prevent movement during concrete placement.
- B. Saw Cut Exterior 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.

3.06 EXTERIOR CONCRETE WORK

- A. Use air-entrained concrete for all exterior work.
- B. Exterior components, unless detailed otherwise:
 - 1. Construct 4 inches thick in panels with control and expansion joints spaced as indicated below.
 - 2. Control Joints: Not more than 1/8 inch in width, Sawcut to a depth of 1/4 of walk thickness. Space not more than 6 feet on center for walks and 8 feet on center for curb and gutter.
 - 3. Expansion Joints: 1/2 inch thick expansion joint filler. Construct between walk and any abutting masonry or concrete. Construct transverse expansion joints at uniform intervals of not more than 40 feet. Maintain 1/2 inch deep recess. Fill with sealant specified in 07 90 05.
 - 4. Finish: Wood float with joints and edges tooled with edging tool. Surface shall not vary more than 1/4 inch in 10 feet.

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 and resilient flooring. High gloss finish from power trowel not acceptable.
- B. 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 insure 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 MOISTURE TESTING

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

END OF SECTION

SECTION 05 50 00
METAL FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Shop fabricated steel items.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Placement of metal fabrications in concrete.
- B. Section 09 91 23 - Interior Painting: Paint finish.

1.03 REFERENCE STANDARDS

- A. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2018.
- B. ASTM A283/A283M - Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates; 2018.
- C. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2012.
- D. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2015, with Errata (2016).
- E. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 1999 (Ed. 2004).
- F. SSPC-Paint 20 - Zinc-Rich Primers (Type I, "Inorganic," and Type II, "Organic"); 2002 (Ed. 2004).
- G. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable. Verify roof insulation thickness at roof ladder locations to confirm ladder dimensions.
 - 1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.

1.05 QUALITY ASSURANCE

- A. Design applicable work under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State in which the Project is located.

PART 2 PRODUCTS

2.01 MATERIALS - STEEL

- A. Plates: ASTM A283/A283M.
- B. Pipe For Handrails: ASTM A 53/A 53M, Grade B Schedule 40, black finish.
- C. Welding Materials: AWS D1.1; type required for materials being welded.
- D. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.
- E. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

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

2.03 FABRICATED ITEMS

- A. Pipe and Guard Rails: 1 1/4 inch nominal (1.66 inch O.D.) Round black schedule 40.
 - 1. Steel Handrail Connection to Guard Rail Post: 1980ST with 3535 adapter.

2.04 FINISHES - STEEL

- A. Prime paint steel items.
 - 1. Exceptions: Do not prime surfaces in direct contact with concrete, where field welding is required, and items to be covered with sprayed fireproofing.
- B. Minimum preparation of surfaces to be primed in accordance with SSPC-SP2. Follow paint/coating supplier recommendations for required surface preparation.
- C. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
- D. Prime Painting: One coat.

2.05 FABRICATION TOLERANCES

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

PART 3 EXECUTION

3.01 EXAMINATION

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

3.02 PREPARATION

- A. Supply setting templates to the appropriate entities for steel items required to be cast into concrete.

3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- C. Obtain approval prior to site cutting or making adjustments not scheduled.
- D. After erection, prime welds, abrasions, and surfaces not shop primed or galvanized, except surfaces to be in contact with concrete.

END OF SECTION

3.04 HARDWARE SCHEDULE

HARDWARE GROUP 1

EACH SINGLE DOOR TO HAVE:
DR. 115.2, 117D, 123.2

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | CLOSER | D4450 REG 689 | STANLEY |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 1 EA | GASKET | F797B17 | REESE |

HARDWARE GROUP 1A

EACH SINGLE DOOR TO HAVE:
DR. 123A

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 3 EA | SILENCERS | 608RKW GREY | ROCKWOOD |

HARDWARE GROUP 2

EACH SINGLE DOOR TO HAVE:
DR. 117.2

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | CLOSER | D4550 EDA 689 | STANLEY |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 1 EA | GASKET | F797B17 | REESE |

HARDWARE GROUP 3

EACH SINGLE DOOR TO HAVE:
DR. 117.3

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | CLOSER | D4550 EDA 689 | STANLEY |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 3 EA | SILENCERS | 608RKW GREY | ROCKWOOD |

HARDWARE GROUP 4

EACH SINGLE DOOR TO HAVE:

117A.1, 117B.1, 117C.1,

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | CLOSER | 4550 REG 689 | STANLEY |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 1 EA | GASKET | F797B17 | REESE |

HARDWARE GROUP 4A

EACH SINGLE DOOR TO HAVE:

DR. 117A.2, 117B.2

| | | | |
|------|---------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 3 EA | SILENCERS | 608RKW GREY | ROCKWOOD |

HARDWARE GROUP 5

EACH SINGLE DOOR TO HAVE:

DR. 121.1, 121.2, 123.1,

| | | | |
|------|---------------|-----------------------|------------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | ENTRANCE LOCK | 93K7AB15C S3 626 | BEST |
| 1 EA | CLOSER | 4550 REG 689 | STANLEY |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | SURFACE OHS | 450S 652 | GLYNN JOHN |
| 1 EA | GASKET | F797B17 | REESE |

HARDWARE GROUP 6

EACH SINGLE DOOR TO HAVE:

DR. 121A

| | | | |
|------|----------------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | PRIVACY MORTISE LOCK | 45HOL15H 626 VIN | BEST |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 1 EA | SOUND GASKET | 797B17 | REESE |

HARDWARE GROUP 7

EACH SINGLE DOOR TO HAVE:

DR. 123B

| | | | |
|------|----------------------|-----------------------|----------|
| 3 EA | BUTTS | FBB179 4.5 X 4.5 652 | STANLEY |
| 1 EA | PRIVACY MORTISE LOCK | 45HOL15H 626 VIN | BEST |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WALL STOPS | 409 32D | ROCKWOOD |
| 1 EA | SOUND GASKET | 797B17 | REESE |

HARDWARE GROUP 8

EACH SINGLE DOOR TO HAVE:
DR. 117.1

| | | | |
|------|--------------|--------------------------|-----------|
| 3 EA | BUTTS | FBB199 4.5 X 4.5 630 NRP | STANLEY |
| 1 EA | EXIT DEVICE | 2101 X CA03 630 | PRECISION |
| 1 EA | RIM CYLINDER | 12E72 626 | BEST |
| 1 EA | CLOSER | DH8016 SDS 689 | BEST |
| 1 EA | OFFSET PULL | BF157 US32D | ROCKWOOD |
| 1 EA | KICKPLATE | 10 X LDW B4E CS US32D | ROCKWOOD |
| 1 EA | WEATHERSTRIP | 815A4884 | REESE |
| 1 EA | SWEEP | 323C48 | REESE |
| 1 EA | THRESHOLD | S425A48 | REESE |

END OF SECTION 08 71 00

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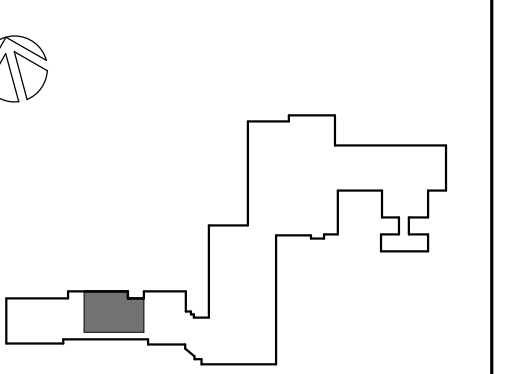
Consultant:

ARCADIA SCHOOL DISTRICT
DAYCARE FACILITY REMODEL

358 EAST RIVER STREET
ARCADIA, WISCONSIN
FIRST FLOOR

Project Number: 20016
Project Date: FEB 2021
Drawn By: DJH

Key Plan:



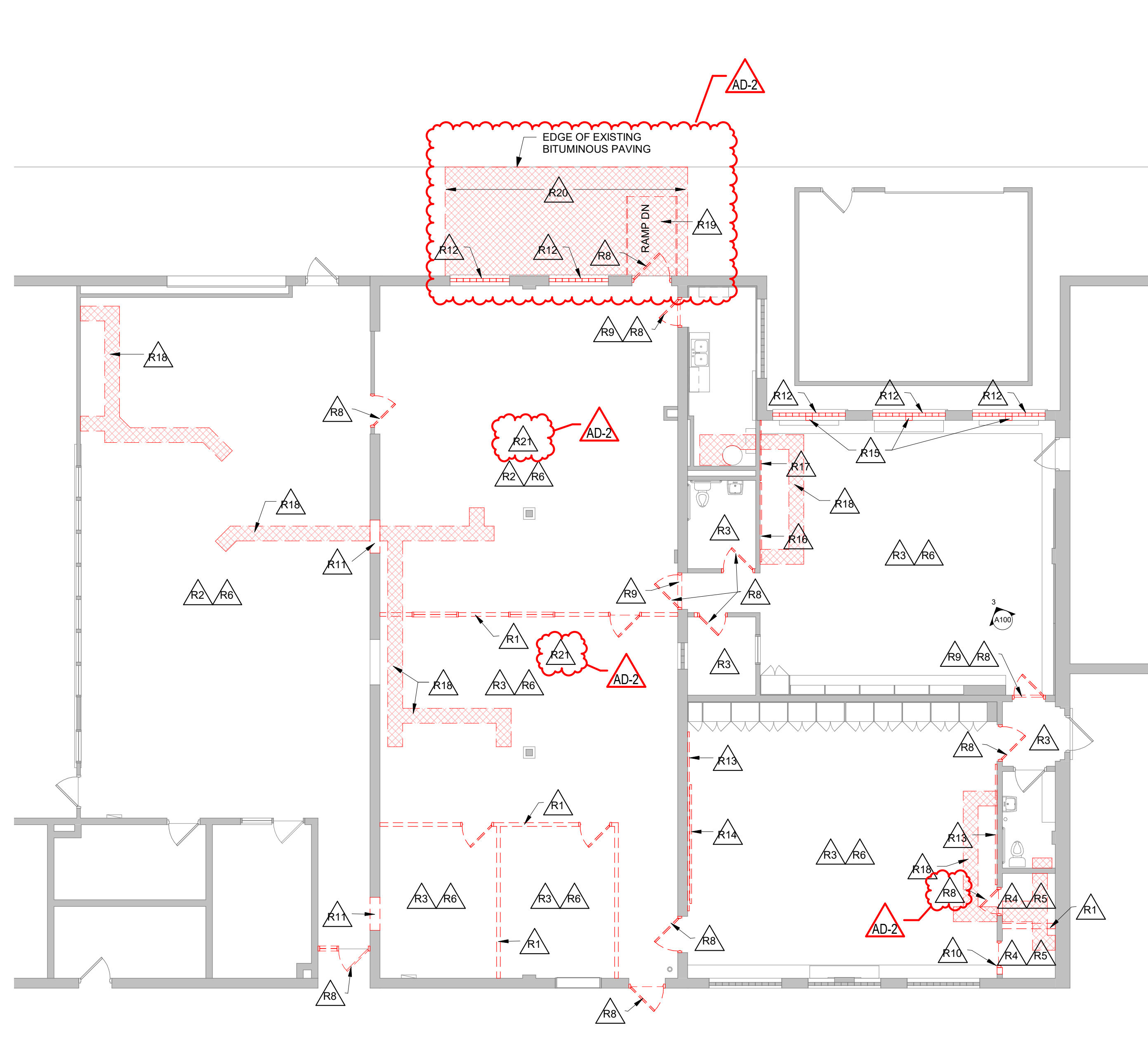
BID DOCUMENTS

| No. | Description | Date |
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| AD-2 | Addendum No. 2 | 3/4/2021 |

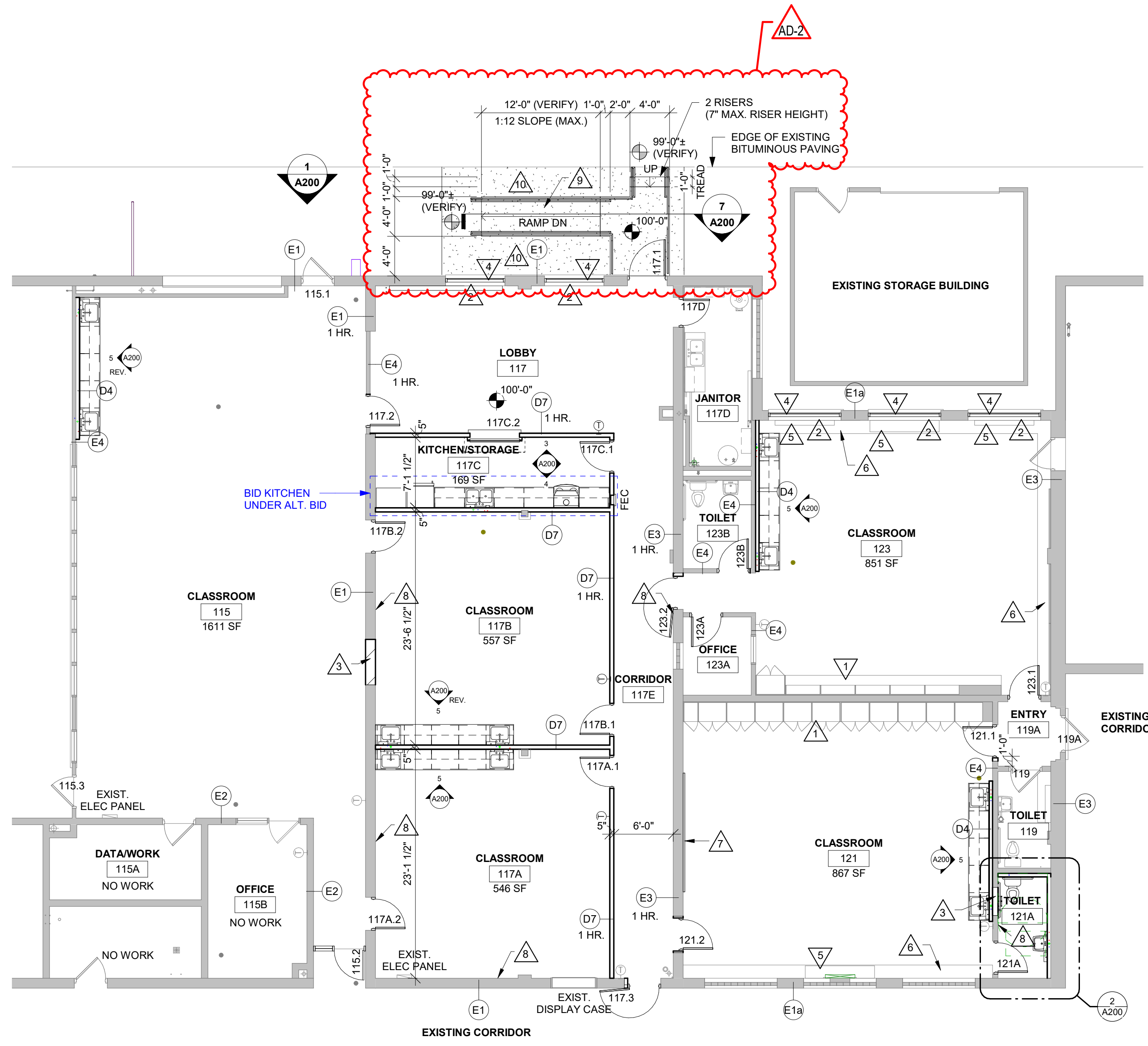
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A100



1 FIRST FLOOR REMOVAL PLAN
1/8" = 1'-0"



2 FIRST FLOOR PLAN
1/8" = 1'-0"

KEY NOTES REMOVAL

| | |
|-----|--|
| R1 | REMOVE EXISTING NON-LOAD BEARING PARTITION |
| R2 | REMOVE EXISTING CARPET FLOORING AND VINYL BASE |
| R3 | REMOVE EXISTING VCT FLOORING AND VINYL BASE |
| R4 | REMOVE EXISTING CARPET AND PADDING FROM FLOOR AND WALLS |
| R5 | REMOVE EXISTING TILE CEILING AND FRAMING |
| R6 | REMOVE EXISTING SUSPENDED ACoust. TILE CEILING |
| R7 | REMOVE EXISTING DOOR AND FRAME |
| R8 | REMOVE EXISTING ALUM. DOOR THRESHOLD |
| R9 | REMOVE EXISTING DOOR FRAME |
| R10 | PROVIDE OPENING IN EXISTING MASONRY WALL FOR NEW DOOR AND FRAME |
| R11 | REMOVE EXISTING GLASS BLOCK WINDOW - STONE SILL TO REMAIN |
| R12 | REMOVE EXISTING CHALKBOARD/TACKBOARD. PATCH WALL FINISH AS RECD |
| R13 | REMOVE EXISTING MARKERBOARD - SALVAGE FOR REUSE. |
| R14 | REMOVE EXISTING WINDOW INFILL - SEE 3/A100 |
| R15 | REMOVE EXISTING WALL PANEL |
| R16 | REMOVE EXISTING WALL FINISH |
| R17 | CROSSHATCHING INDICATES AREA OF EXISTING CONC FLOOR SLAB TO BE SAWCUT AND REMOVED FOR INSTALLATION OF UNDERGROUND PLUMBING - SEE PLUMBING PLAN. INFILL W/ CONC TO MATCH EXISTING SLAB THICKNESS ONCE UNDERGROUND PLUMBING WORK IS COMPLETE |
| R18 | SAWCUT AND REMOVE EXISTING CONC PAVING |
| R19 | LEVEL EXISTING FLOOR SLAB AFTER FLOORING REMOVAL - SEE 4/A100 |

KEY NOTES REMOVAL

| | |
|-----|--|
| R13 | REMOVE EXISTING CHALKBOARD/TACKBOARD. PATCH WALL FINISH AS RECD |
| R14 | REMOVE EXISTING MARKERBOARD - SALVAGE FOR REUSE. |
| R15 | REMOVE EXISTING WINDOW INFILL - SEE 3/A100 |
| R16 | REMOVE EXISTING WALL PANEL |
| R17 | REMOVE EXISTING WALL FINISH |
| R18 | CROSSHATCHING INDICATES AREA OF EXISTING CONC FLOOR SLAB TO BE SAWCUT AND REMOVED FOR INSTALLATION OF UNDERGROUND PLUMBING - SEE PLUMBING PLAN. INFILL W/ CONC TO MATCH EXISTING SLAB THICKNESS ONCE UNDERGROUND PLUMBING WORK IS COMPLETE |
| R19 | SAWCUT AND REMOVE EXISTING CONC PAVING |
| R20 | LEVEL EXISTING FLOOR SLAB AFTER FLOORING REMOVAL - SEE 4/A100 |

REMOVAL GENERAL NOTES:

- ALL STRUCTURES SHOWN DASHED ON THIS PLAN SHALL BE COMPLETELY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. REFERENCE MEP SHEETS FOR ALL EQUIPMENT REMOVALS AND MODIFICATIONS. THIS SHALL INCLUDE ALL ELECTRICAL, MECHANICAL, OR PLUMBING WITHIN THE REMOVED STRUCTURE. TERMINATE AND CAP MEP AS REQUIRED. DO NOT ABANDON IN PLACE UNUSED CONDUIT, PIPE, ETC. REMOVE COMPLETELY. VERIFY GENERAL CONDITIONS IN FIELD PRIOR TO BIDDING.
- PREPARATION FOR NEW FINISHES SHALL INCLUDE BUT NOT LIMITED TO REMOVAL OF EXISTING FINISHES, REMOVAL OF TAPES, GLUES (MASTIC, NAILS, ETC. PATCHING OF HOLES AND CRACKS TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
- OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
- MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING. COORDINATE WITH LOCAL FIRE MARSHALS AS REQUIRED.
- ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATE PURPOSES ONLY.
- ALL RESILIENT AND CARPET REMOVAL SHALL INCLUDE ADHESIVES.

REMOVAL PLAN LEGEND:

| | |
|-------------------------------------|---|
| (Symbol: Triangle with dot) | SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET |
| (Symbol: Dashed line) | REMOVE ITEMS NOTED WITH DASHED LINES |
| (Symbol: Dashed line with triangle) | SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE |

KEY NOTES FLOOR PLAN

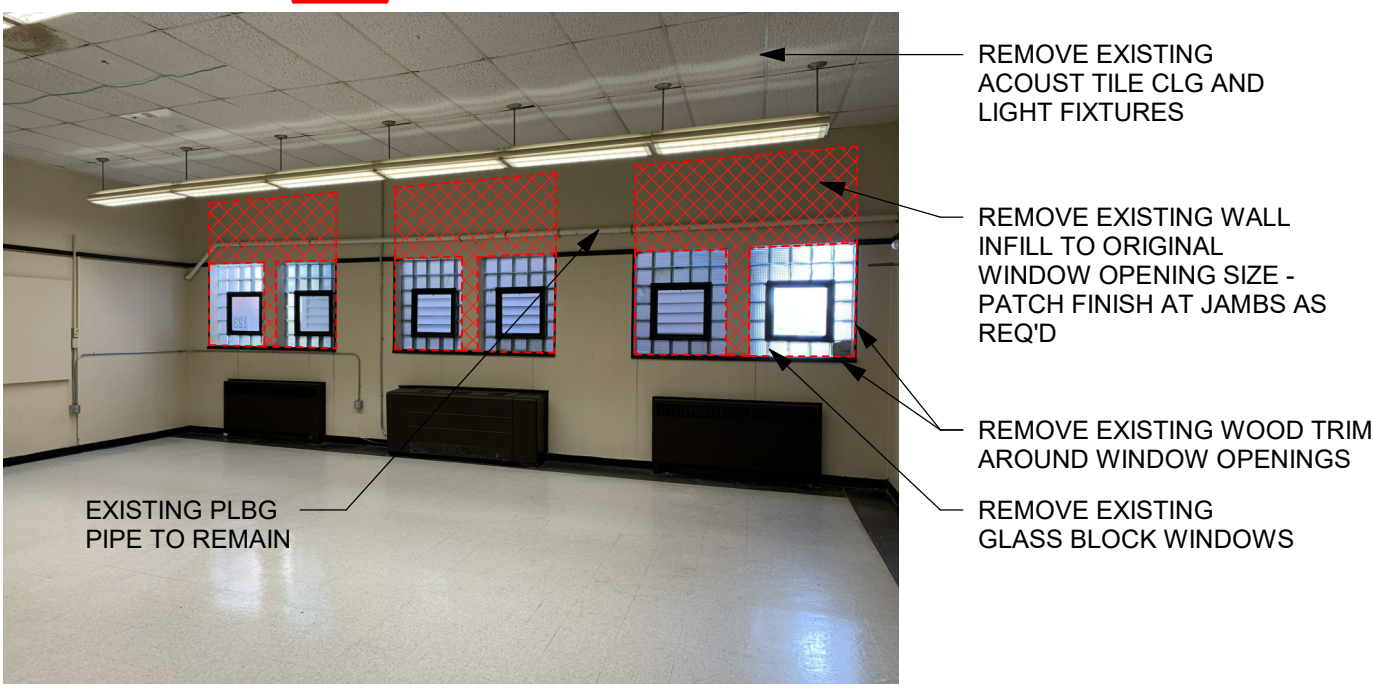
| | |
|----|--|
| 1 | EXISTING CASEWORK TO REMAIN (REFINISHED BY OWNER) |
| 2 | SOLID SURFACE WINDOW STOOL |
| 3 | INFILL WALL OPENING - MATCH ADJACENT WALL CONSTRUCTION AND FINISH |
| 4 | ALUM STOREFRONT WINDOW |
| 5 | EXISTING MECH UNIT TO REMAIN |
| 6 | EXISTING METAL FLOOR PANELS |
| 7 | INSTALL SALVAGED MARKERBOARD |
| 8 | REMOVE EXISTING CONC RAMP AND METAL HANDRAILS |
| 9 | NEW CONC RAMPING (EPS INSULATING W/ METAL HANDRAILS (1 1/4" DIA. (1.66" O.D.) STEEL PIPE HANDRAIL/GUARDRAIL - PAINT) |
| 10 | REPLACE EXISTING CONC PAVING |

FLOOR PLAN GENERAL NOTES:

- SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
- PAINT ALL EXPOSED STEEL LINTELS.
- EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE 5/A100 FOR TOP OF WALL DETAILS.

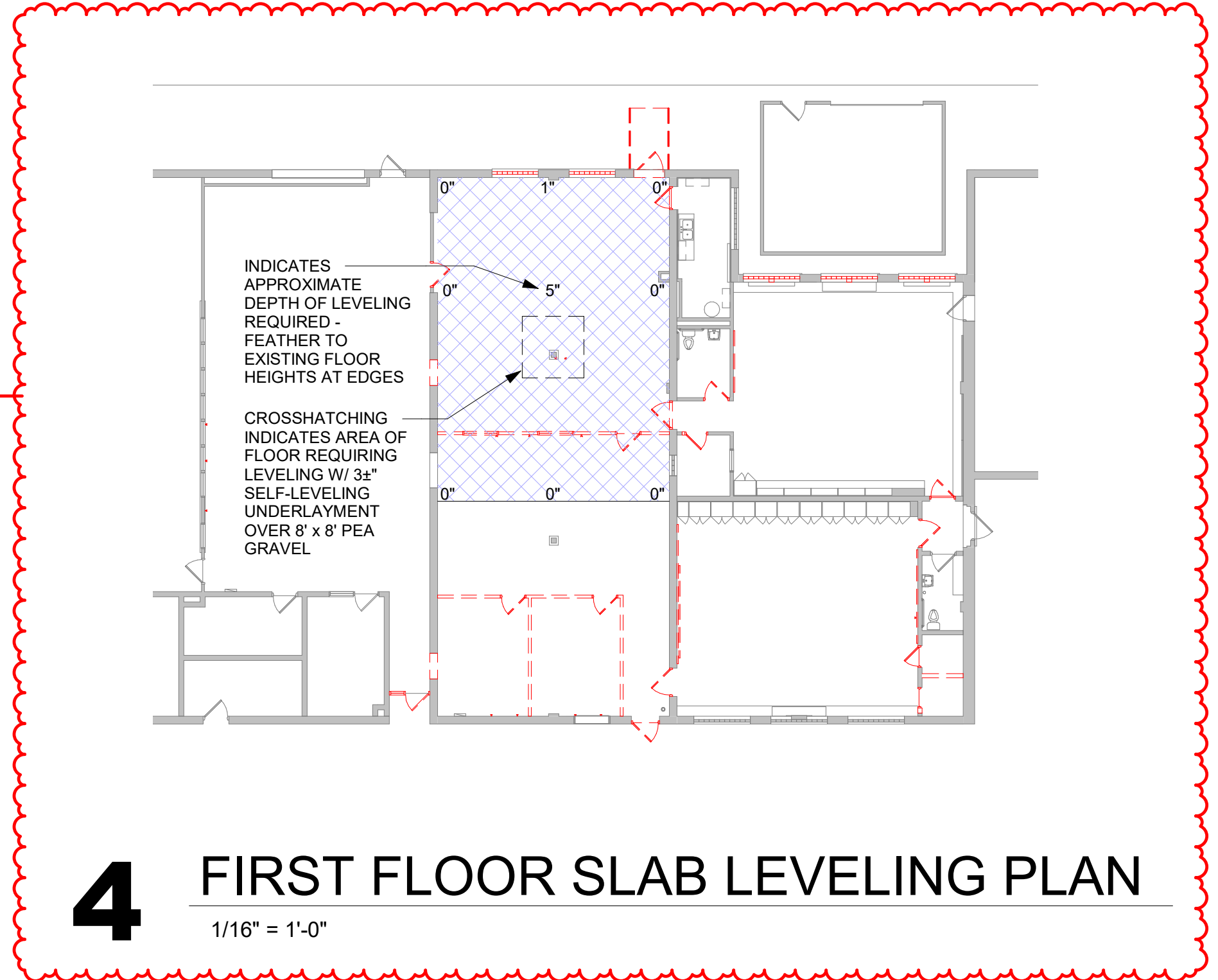
FLOOR PLAN LEGEND:

| | |
|-----------------------------|--|
| (Symbol: Circle with dot) | SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS. |
| (Symbol: Triangle with dot) | SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET |



3 ROOM 123 REMOVAL
1/4" = 1'-0"

- REMOVE EXISTING ACoust. TILE CLG AND LIGHT FIXTURES
- REMOVE EXISTING WALL INFILL TO ORIGINAL WINDOW OPENING SIZE - PATCH FINISH AT JAMBS AS RECD
- REMOVE EXISTING WOOD TRIM AROUND WINDOW OPENINGS
- REMOVE EXISTING GLASS BLOCK WINDOWS



4 FIRST FLOOR SLAB LEVELING PLAN
1/16" = 1'-0"



Consultant:



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



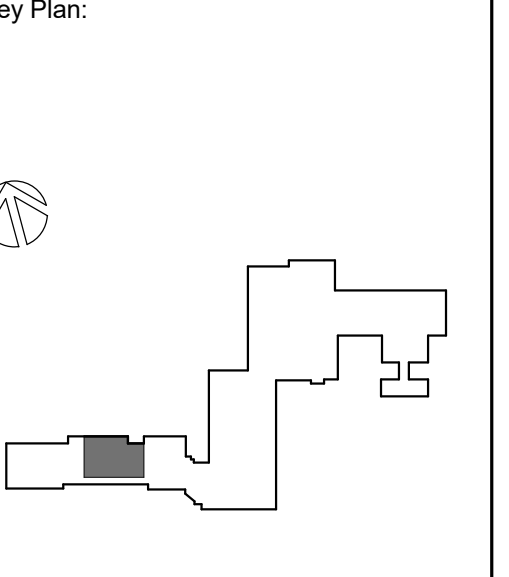
| KEY NOTES RCP | |
|---------------|--|
| | EXISTING CEILING TO REMAIN - NO WORK |
| | EXISTING PLASTER OR GYP/STUD CEILING - PAINT |
| | EXISTING MECHANICAL UNITS TO BE REMOUNTED AT NEW CEILING HEIGHT - REFER TO MECHANICAL DRAWINGS |

| GENERAL NOTES: | |
|----------------|---|
| A | SEE MECHANICAL FOR CEILING GRILLE INFORMATION |
| B | SEE ELECTRICAL FOR LIGHTING TYPES |
| C | 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. |
| D | ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED |
| E | 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. |
| F | REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES |
| G | 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 LAD ON ROOF DECK NOR LAD 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. |
| H | CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT. |
| J | CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-2-REGULAR EDGE. ACT-3-VINYL FACED GYP |

| LEGEND: | |
|---------|---------------------------------|
| | LIGHT FIXTURE - SEE ELECTRICAL |
| | LIGHT FIXTURE - SEE ELECTRICAL |
| | LIGHT FIXTURE - SEE ELECTRICAL |
| | LIGHT FIXTURE - SEE ELECTRICAL |
| | SPEAKER - SEE ELECTRICAL |
| | SUPPLY - SEE MECHANICAL |
| | RETURN - SEE MECHANICAL |
| | EXHAUST - SEE MECHANICAL |
| | RADIANT HEATER - SEE MECHANICAL |

Project Title: **ARCADIA SCHOOL DISTRICT DAYCARE FACILITY REMODEL**
Project Location: **358 EAST RIVER STREET ARCADIA, WISCONSIN**
Sheet Title: **REFLECTED CEILING PLAN**

HSR Project Number: **20016**
Project Date: **FEB 2021**
Drawn By: **DJH**



BID DOCUMENTS

| No. | Description | Date |
|------|----------------|----------|
| AD-2 | Addendum No. 2 | 3/4/2021 |

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Last Update: **3/3/2021 5:06:52 PM**

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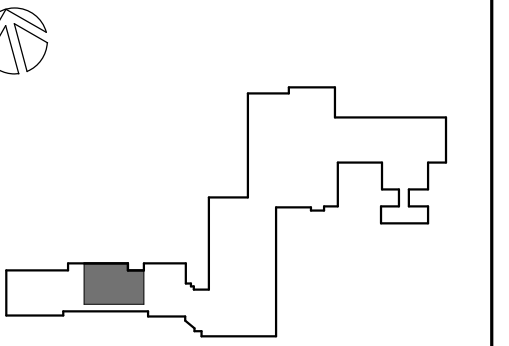


Consultant:

Project Title: **ARCADIA SCHOOL DISTRICT
DAYCARE FACILITY REMODEL**
Project Location: **358 EAST RIVER STREET
ARCADIA, WISCONSIN**
Sheet Title: **ELEVATIONS**

HSR Project Number: **20016**
Project Date: **FEB 2021**
Drawn By: **DJH**

Key Plan:



**BID
DOCUMENTS**

| No. | Description | Date |
|------|----------------|----------|
| AD-2 | Addendum No. 2 | 3/4/2021 |

Graphic Scale: **VARIES**

Last Update: **3/4/2021 3:49:29 PM**

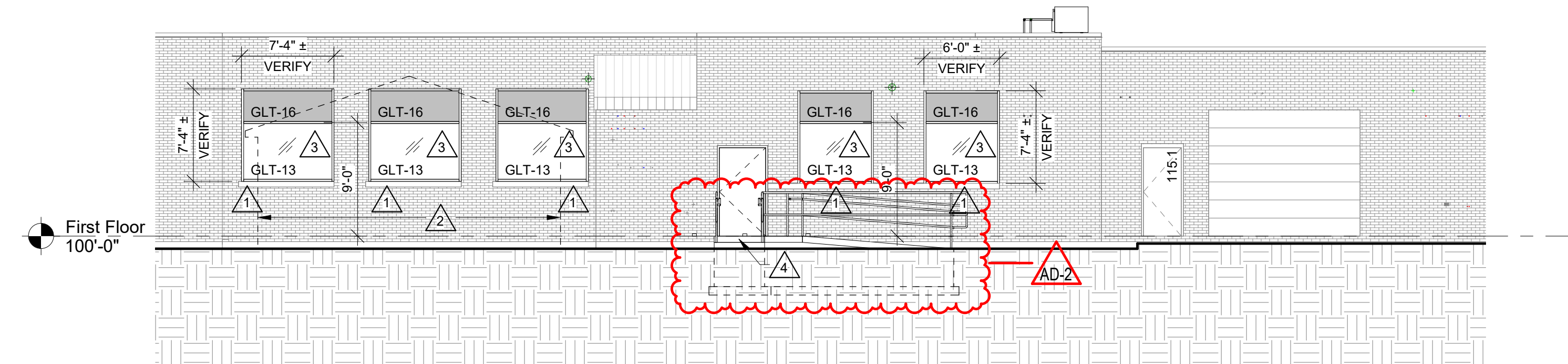
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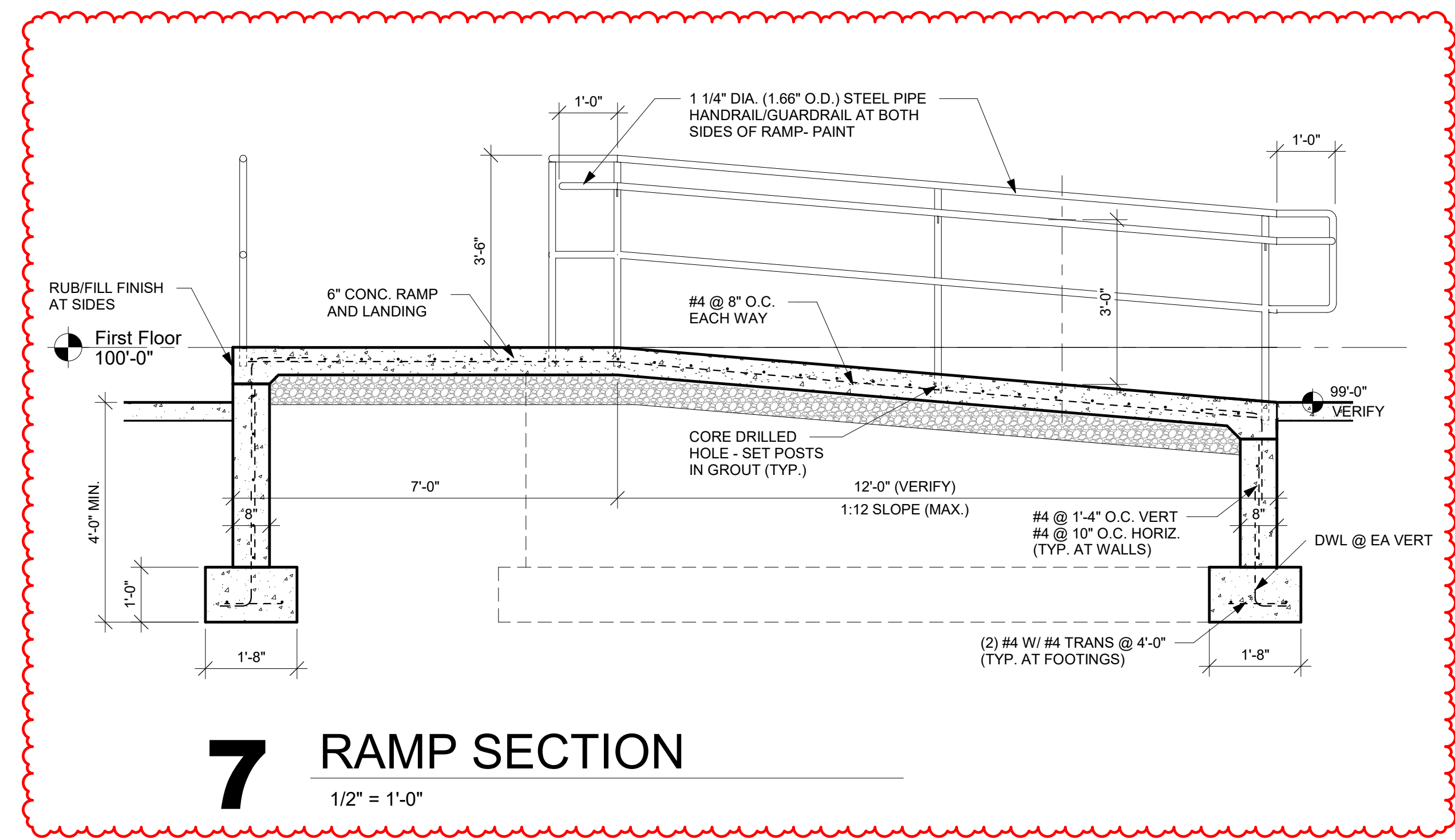
KEYNOTE TAG

KEY NOTES ELEVATION

- 1 EXISTING STONE SILL TO REMAIN
- 2 OUTBUILDING NOT SHOWN FOR CLARITY
- 3 REMOVE EXISTING GLASS BLOCK WINDOW. INSTALL NEW 2' X 4' 10" ALUMINUM STOREFRONT WINDOW
- 4 NEW CONC RAMP/STEPS/LANDING W/ METAL HANDRAILS (1 1/4" DIA. (1.66" O.D.) STEEL PIPE HANDRAIL/GUARDRAIL - PAINT)



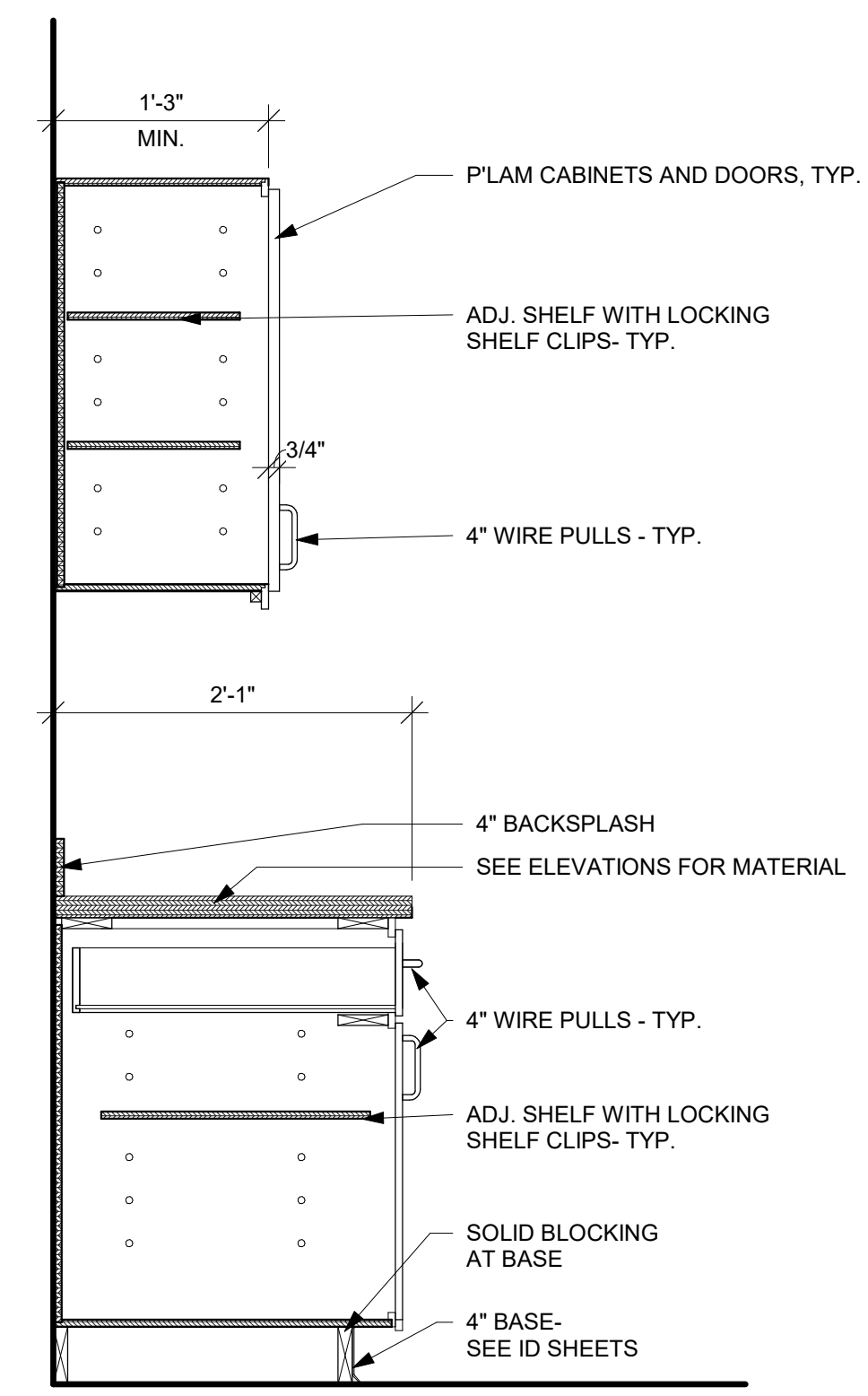
1 PARTIAL NORTH ELEVATION
1/8" = 1'-0"



7 RAMP SECTION
1/2" = 1'-0"

CASEWORK GENERAL NOTES:

- A ALL CABINET LOCKS TO BE KEYPED ALIKE.
- B PROVIDE FINISHED END PANELS AT ALL KNEE SPACE, ALCOVES, AND EXPOSED CABINET ENDS.
- C CASEWORK MANUFACTURER TO FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATION OF CASEWORK.
- D INSTALL 1-1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT TOP OF ALL BASE CABINETS.
- E ALL BASE CABINET NICKS, ALCOVES, KNEE SPACES AND END PANELS TO RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZES AND COLOR.
- F SEAL EDGE OF COUNTER/BACKSPLASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
- G REFER TO MASTER COLOR SCHEDULE FOR PLASTIC LAMINATE SELECTIONS. ALL COUNTERTOPS TO BE PLAM-2. ALL LOWER/UPPER CASEWORK TO BE PLAM-1 UNLESS OTHERWISE NOTED.
- H INSTALL MAGNETIC CATCHES FOR TALL CABINETS, TOP AND BOTTOM AT EACH DOOR. TALL CABINETS WITH LOCKS SHALL ALSO HAVE AN ELBOW LATCH INSTALLED AT A CENTER FIXED SHELF. ALL OTHER SHELVES SHALL BE ADJUSTABLE.
- J WALL CABINETS SHALL BE 15" DEEP AND BASE CABINETS SHALL BE 24" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF BASE CABINET UNLESS NOTED OTHERWISE.
- K LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.

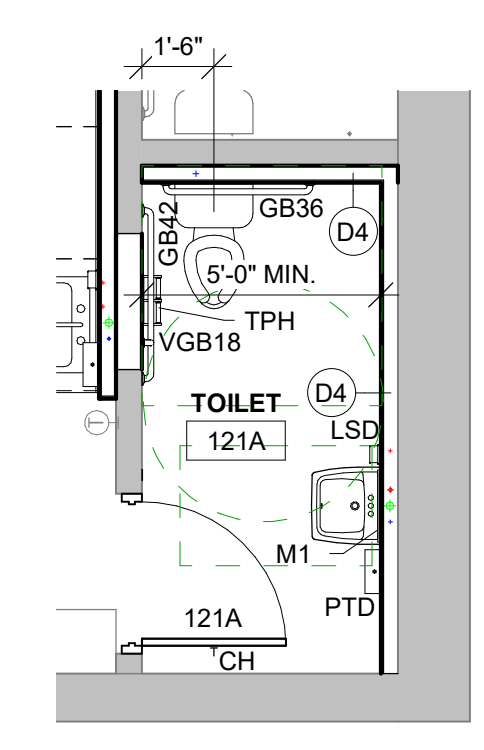


6 TYP. CASEWORK SECTION
1" = 1'-0"

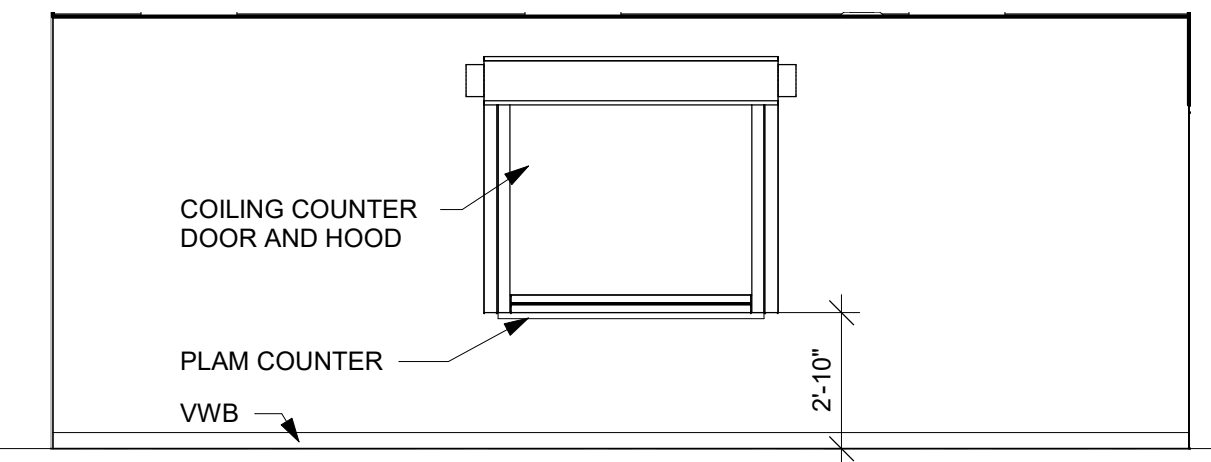
ACCESSORY SCHEDULE

| ABBREVIATION | ITEM | STD. MOUNTING HEIGHT | OWNER FURNISHED | CONTRACTOR FURNISHED | OWNER INSTALLED | CONTRACTOR INSTALLED |
|--------------|---|------------------------|-----------------|----------------------|-----------------|----------------------|
| VGB18 | 1 1/2" DIA. VERTICAL GRAB BAR - 18" LOCATE 40" FROM BACK WALL | BOTTOM @ 40" A.F.F. | | X | | X |
| GB36 | 1 1/2" DIA. GRAB BAR, 36" LONG. SEE PLANS FOR CONFIG./DIMS. | CENTER @ 2'-10" A.F.F. | | X | | X |
| GB42 | 1 1/2" DIA. GRAB BARS, 42" LONG. SEE PLANS FOR CONFIG./DIMS. | CENTER @ 2'-10" A.F.F. | | X | | X |
| TPH | DBL TOILET PAPER HOLDER - CONFIRM LOCATION W/ OWNER LOCATE 3' FROM CORNER | CENTER @ 20" A.F.F. | X | | | X |
| CH | COAT HOOK (DOUBLE) | BOT. @ 4'-0" A.F.F. | | X | | X |
| PTD | PAPER TOWEL DISPENSER ROLL TYPE. (SURFACE MOUNT) | BOT. @ 42" A.F.F. | | X | | X |
| LSD | LIQUID SOAP DISP | CONTROL @ 42" A.F.F. | | X | | X |
| M1 | 1'-6"W X 3'-0"H MIRROR WITH FRAME | BOT @ 3'-4" A.F.F. | | X | | X |
| FD | FLOOR DRAIN - SEE PLUMBING | | | X | | X |

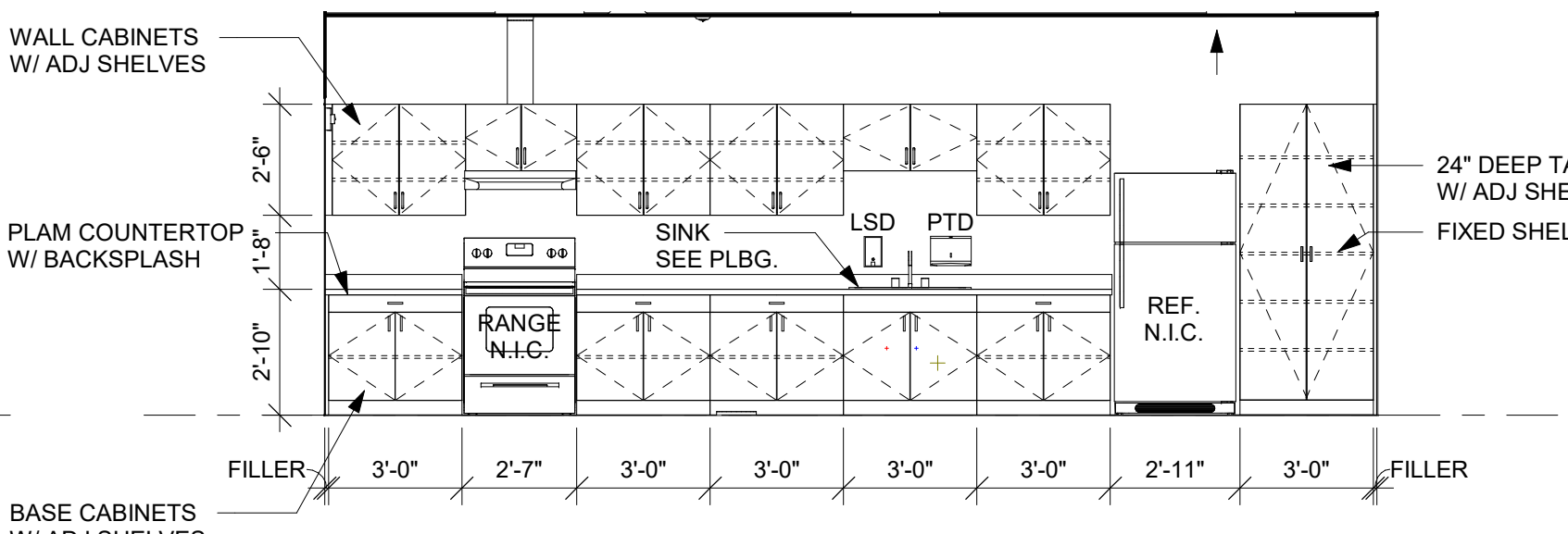
ACCESSORY SCHEDULE GENERAL NOTES:
1. CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
2. SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.



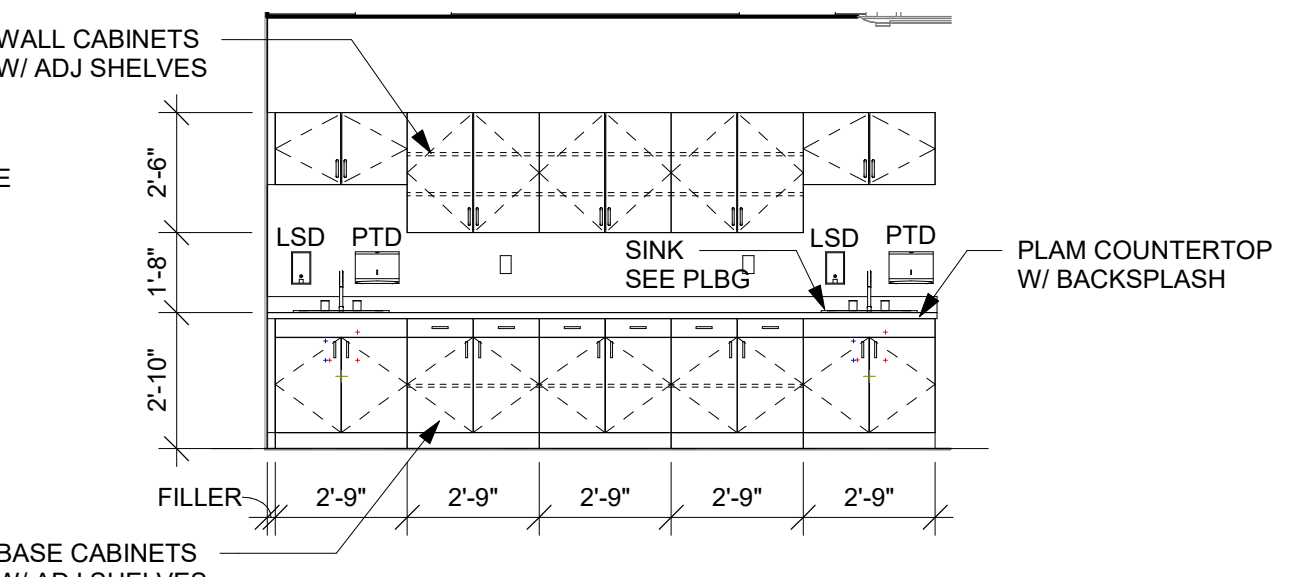
2 ENLARGED TOILET RM PLAN
1/4" = 1'-0"



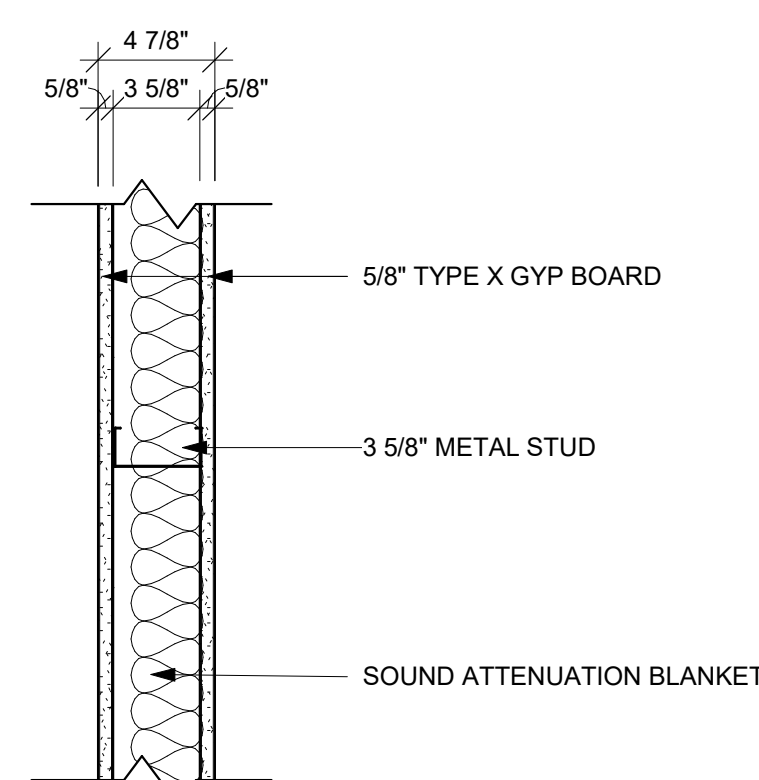
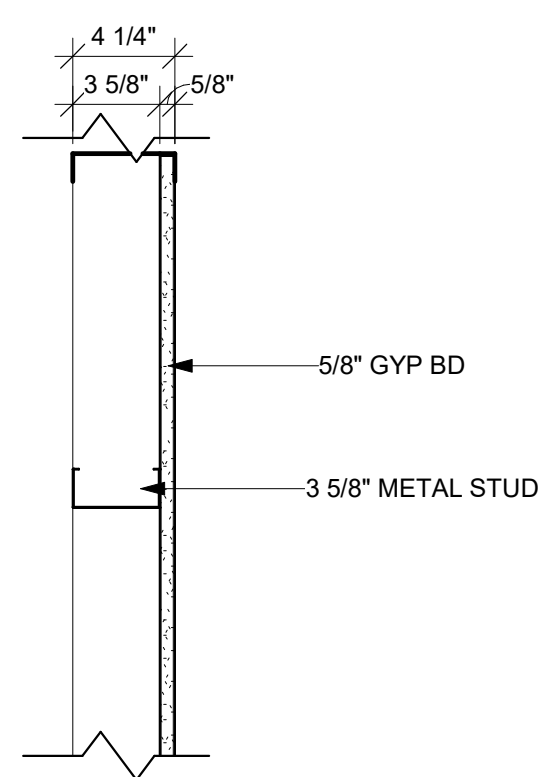
3 NORTH KITCHEN ELEV. (ALT BID)
1/4" = 1'-0"
ROOM 117C KITCHEN/STORAGE



4 SOUTH KITCHEN ELEV. (ALTERNATE BID)
1/4" = 1'-0"
ROOM 117C KITCHEN/STORAGE

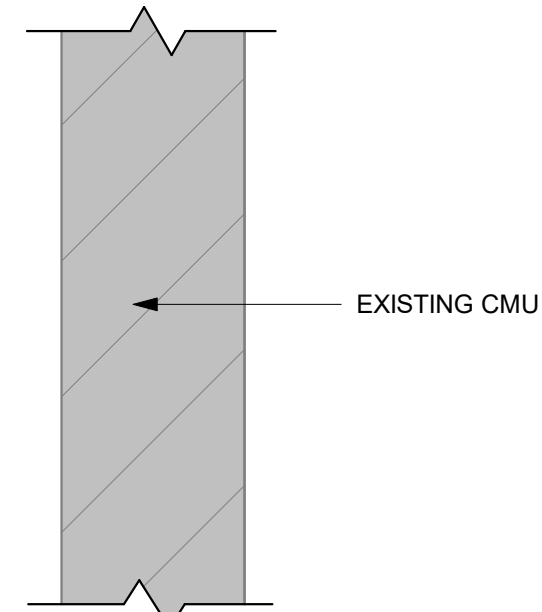
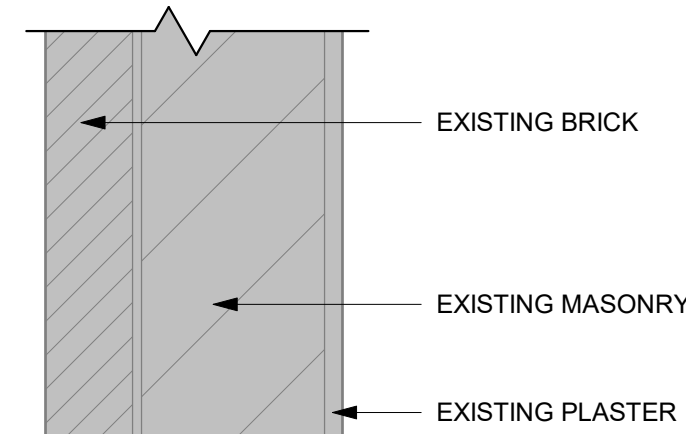
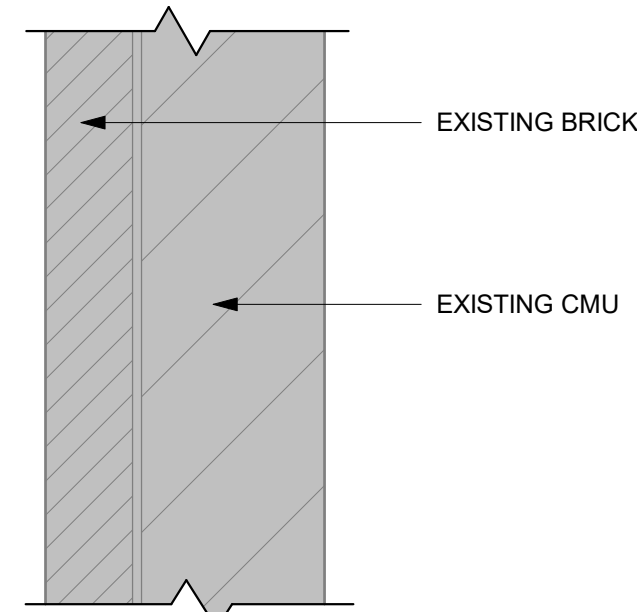


5 CASEWORK ELEV.
1/4" = 1'-0"
CLASSROOMS 115, 117A, 117B, 121 & 123



| PARTITION TYPE | STUD WIDTH / SPACING | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | STC RATING |
|----------------|----------------------|------------------------------------|------------------------|------|------------|
| D4 | 24" O.C. | 4 1/4" / 4" | | | |

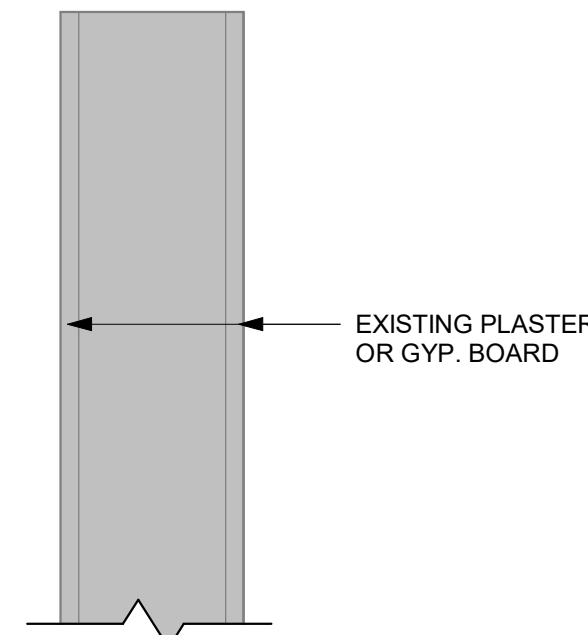
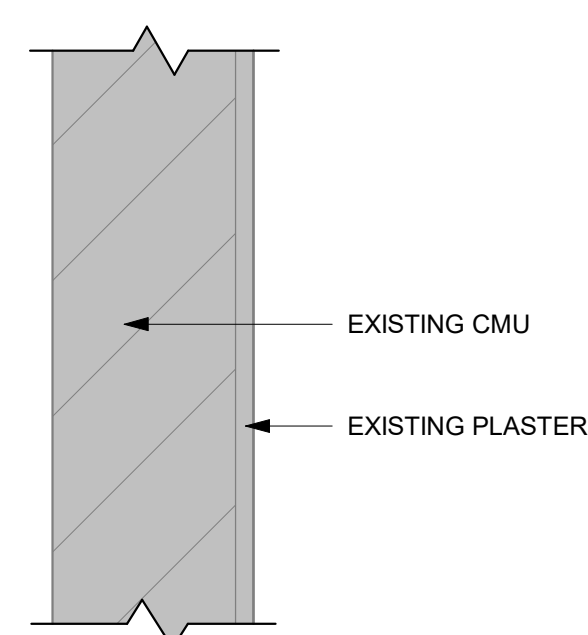
| PARTITION TYPE | STUD WIDTH / SPACING | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | STC RATING |
|----------------|----------------------|------------------------------------|------------------------|------|------------|
| D7 | 4 7/8" | 5" | 1 HR. | U419 | 47 |



| PARTITION TYPE | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | EQUIVALENT THICKNESS |
|----------------|------------------------------------|------------------------|------|----------------------|
| E1 | | 1 HR. | | MINIMUM 2.8" |

| PARTITION TYPE | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | EQUIVALENT THICKNESS |
|----------------|------------------------------------|------------------------|------|----------------------|
| E1a | | | | |

| PARTITION TYPE | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | EQUIVALENT THICKNESS |
|----------------|------------------------------------|------------------------|------|----------------------|
| E2 | | 1 HR. | | MINIMUM 2.8" |



| PARTITION TYPE | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | EQUIVALENT THICKNESS |
|----------------|------------------------------------|------------------------|------|----------------------|
| E3 | | 1 HR. | | MINIMUM 2.8" |

| PARTITION TYPE | STUD WIDTH / SPACING | PARTITION WIDTH / ACTUAL / NOMINAL | FIRE RESISTANCE RATING | UL # | STC RATING |
|----------------|----------------------|------------------------------------|------------------------|------|------------|
| E4 | | | 1 HR. | U305 | |

RATED CMU WALL TABLE:

| | |
|--------|---------------------------------------|
| 1 HOUR | MINIMUM 2.8 EQUIVALENT WALL THICKNESS |
|--------|---------------------------------------|

| DOOR NO. | DOOR | | | | | FRAME | | | | FIRE LABEL | HDWR GROUP | SIGNAGE | REMARKS | |
|----------|-------|-------|--------|------------|------------|-----------------|------------|---------|--------|------------|------------|---------|---------|------|
| | SIZE | | | DOOR TYPE | GLASS TYPE | U-CUT OR LOUVER | FRAME ELEV | DETAILS | | | | | | |
| | W | H | T | | | | | MAT'L | HEAD | | | | | JAMB |
| 115.1 | 3'-0" | 7'-0" | 1 3/4" | EXIST | | | EXIST | | | | | | | |
| 115.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | CC | 5 3/4" | | | | 20 MIN. | 1 |
| 115.3 | 3'-0" | 7'-0" | 1 3/4" | EXIST | | | EXIST | | 5 3/4" | | | | | |
| 117.1 | 3'-8" | 7'-0" | 1 3/4" | HM | A | | HM | AA | 5 3/4" | | | | | |
| 117.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 1/2" | | | | 20 MIN. | 2 |
| 117.3 | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 3/4" | | | | | |
| 117A.1 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 7/8" | | 2/A600 | | 20 MIN. | 3 |
| 117A.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-4 | HM | AA | 5 3/4" | 3/A600 | 4/A600 | | 20 MIN. | 4 |
| 117B.1 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 7/8" | | 2/A600 | | 20 MIN. | 5 |
| 117B.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-4 | HM | AA | 5 3/4" | 3/A600 | 4/A600 | | 20 MIN. | 6 |
| 117C.1 | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 7/8" | | 2/A600 | | 20 MIN. | 7 |
| 117C.2 | 3'-0" | 4'-2" | 1 3/4" | SS COILING | C | | HM | AA | 5 3/4" | | | | 45 MIN. | 8 |
| 117D | 3'-8" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 3/4" | | | | 20 MIN. | 9 |
| 119 | 3'-0" | 7'-0" | 1 3/4" | EXIST | | | EXIST | | | | | | | |
| 119A | 3'-4" | 7'-0" | 1 3/4" | EXIST | | | EXIST | | | | | | | |
| 121.1 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 3/4" | | | | 20 MIN. | 5 |
| 121.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 3/4" | | | | 20 MIN. | 5 |
| 121A | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 3/4" | | | | 20 MIN. | 6 |
| 123.1 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 3/4" | | | | 20 MIN. | 5 |
| 123.2 | 3'-0" | 7'-0" | 1 3/4" | SCWD | B | GLT-20 | HM | AA | 5 3/4" | | | | 20 MIN. | 5 |
| 123A | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 1/2" | | | | 20 MIN. | 1 |
| 123B | 3'-0" | 7'-0" | 1 3/4" | SCWD | A | | HM | AA | 5 3/4" | | | | 20 MIN. | 1 |

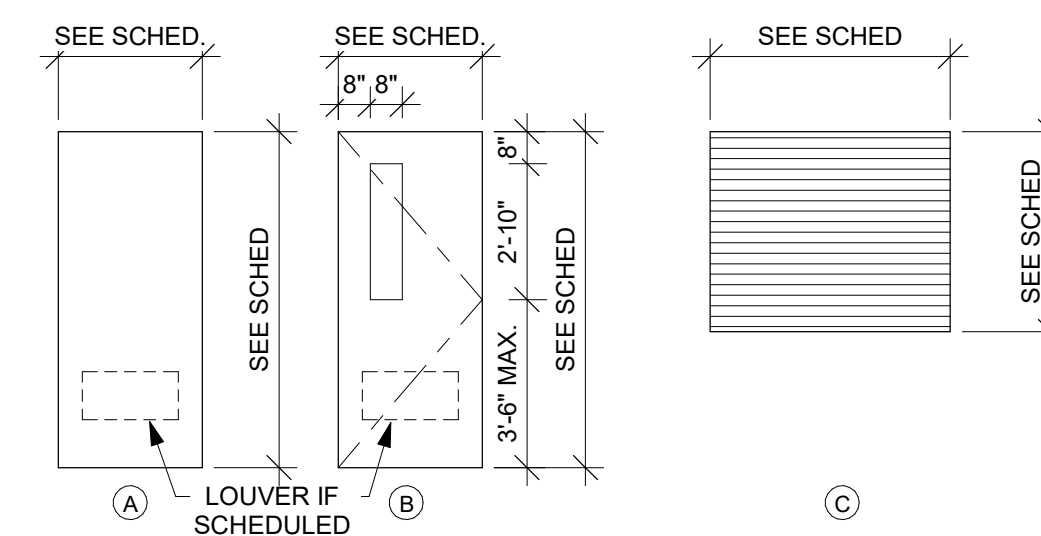
GENERAL WALL TYPE NOTES:

- A REFER TO MASTER COLOR SCHEDULE AND INTERIOR DESIGN SHEETS FOR ADDITIONAL WALL FINISHES.
- B WHERE INTERIOR DESIGN SHEETS INDICATE WALL TILE, INSTALL BACKER BOARD AT WET AND NON-WET LOCATIONS AS LISTED IN 09 21 16.
- C NON RATED WALLS, INCLUDING BULKHEADS SHALL HAVE FRAMING EXTENDED TO DECK ABOVE. GYP BOARD SHALL EXTEND TO 4" ABOVE CEILING UNLESS NOTED OTHERWISE. COLUMN FURRING MAY STOP 4" ABOVE CEILING.
- D EXTEND STUDS, GYP BOARD AND SOUND BLANKET TO DECK ABOVE AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS; SOUND SEAL NOTE OR STC RATING) LEVEL OF FINISH ABOVE CEILING AS NOTED IN SECTION 09 21 16.
- E AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS; SOUND SEAL NOTE OR STC RATING) APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT FLOOR/CEILING TRACK STUDS AND STUD AT WALL. APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT PERIMETER OF GYP BOARD HOLDING EDGE OF GYP BOARD AWAY FROM ADJACENT STRUCTURE NO MORE THAN 3/8" SEAL ALL M/E/P/PP PENETRATIONS WITH SOUND BLANKET BACKING, ACOUSTICAL SEALANT AND FIRE STOPPING. AFTER INSTALLING ONE SIDE OF GYP BOARD, APPLY OVERSEAS 2" SOUND BLANKET OVER BACK SIDE OF ELECTRICAL BOXES AND SIMILAR PENETRATIONS. WHERE WALL BOXES OCCUR AT OPPOSITE SIDES, APPLY INSULATION TO BACKSIDE OF WALL BOXES. AT FIRE RATED WALLS REQUIRING SOUND CONTROL USE PUTTY PADS FOR REQUIRED WALL RATING. REFER TO TOP OF WALL DETAILS FOR INSTALLATION OF ADDITIONAL MATERIALS AT DECK AND APPLICATION OF RATED TOP OF WALL ASSEMBLIES.
- F INSTALL GYPSUM BOARD CONTROL JOINTS AT TOP OF ALL INTERIOR DOOR JAMBS TO TOP OF GYPSUM BOARD WALLS. OTHER CONTROL JOINTS TO BE INSTALLED PER PLAN OR AT 30" O.C. MAX. REVIEW LOCATION REQUIREMENTS WITH A/E PRIOR TO START OF INSTALLATION OF GYPSUM BOARD ASSEMBLIES.

DOOR SCHEDULE GENERAL NOTES

- HM = HOLLOW METAL SCWD = SOLID CORE WOOD DOOR
- A SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS
- B ALL HM (HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED
- C ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE

DOOR TYPES



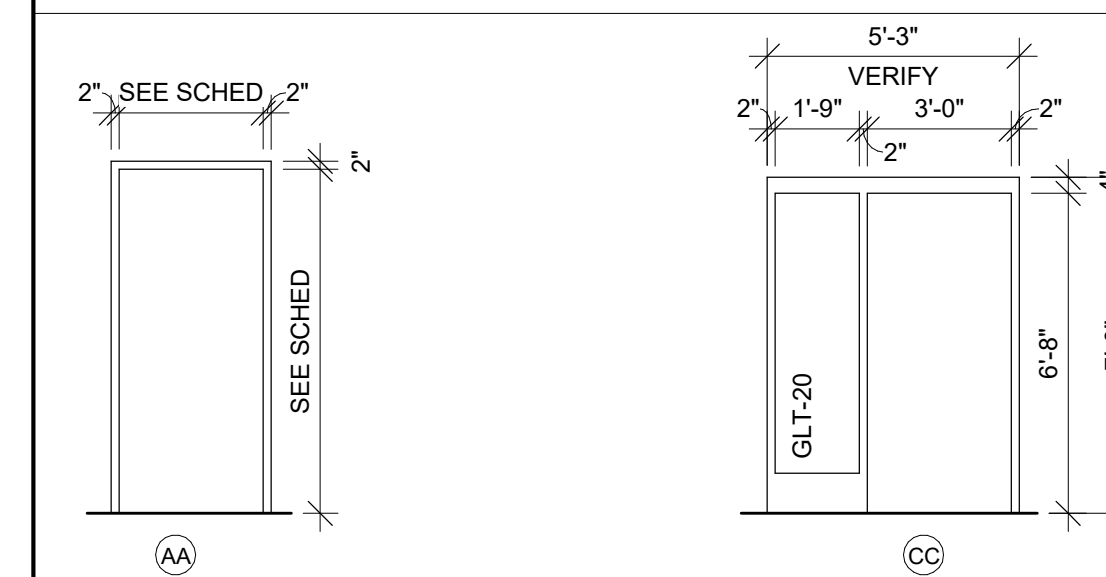
DOOR SCHEDULE REMARKS

1. NEW DOOR AND FRAME IN EXISTING OPENING. FIELD VERIFY SIZE.
2. COILING COUNTER DOOR-MANUAL (ALT BID)

DOOR FRAME GENERAL NOTES

- HM = HOLLOW METAL
- A ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.

DOOR FRAME TYPES



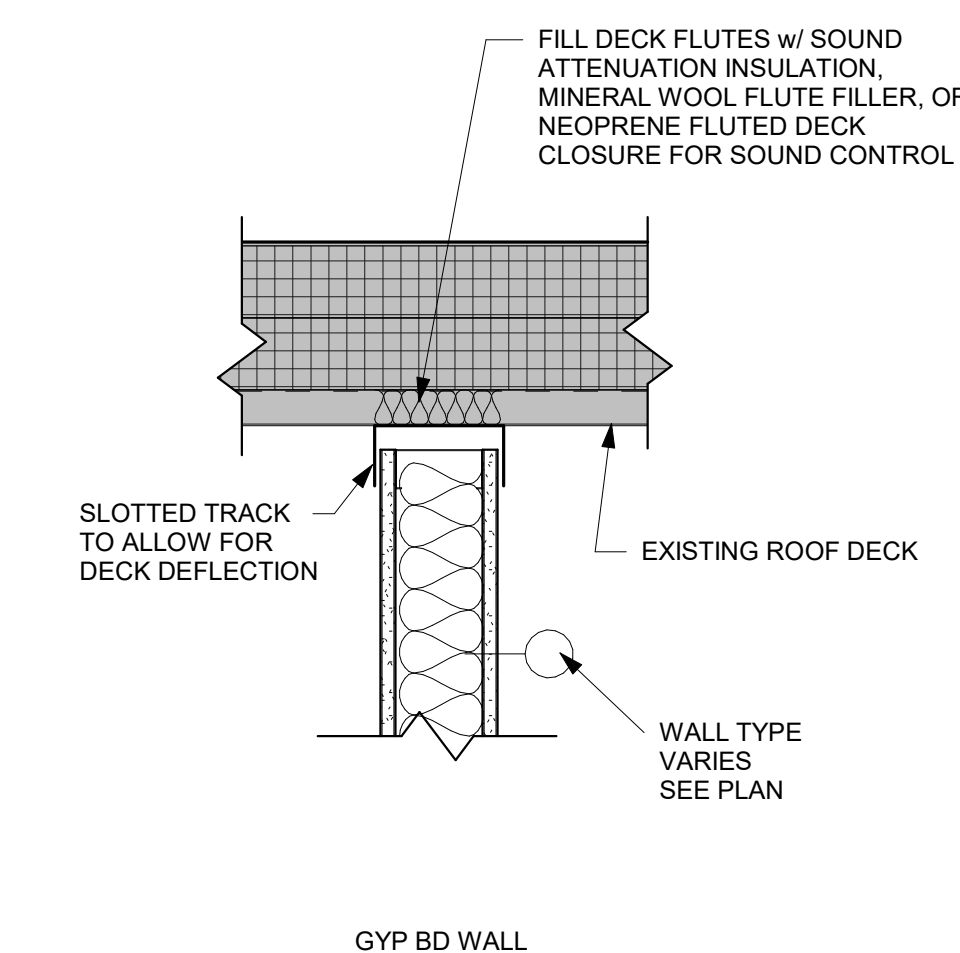
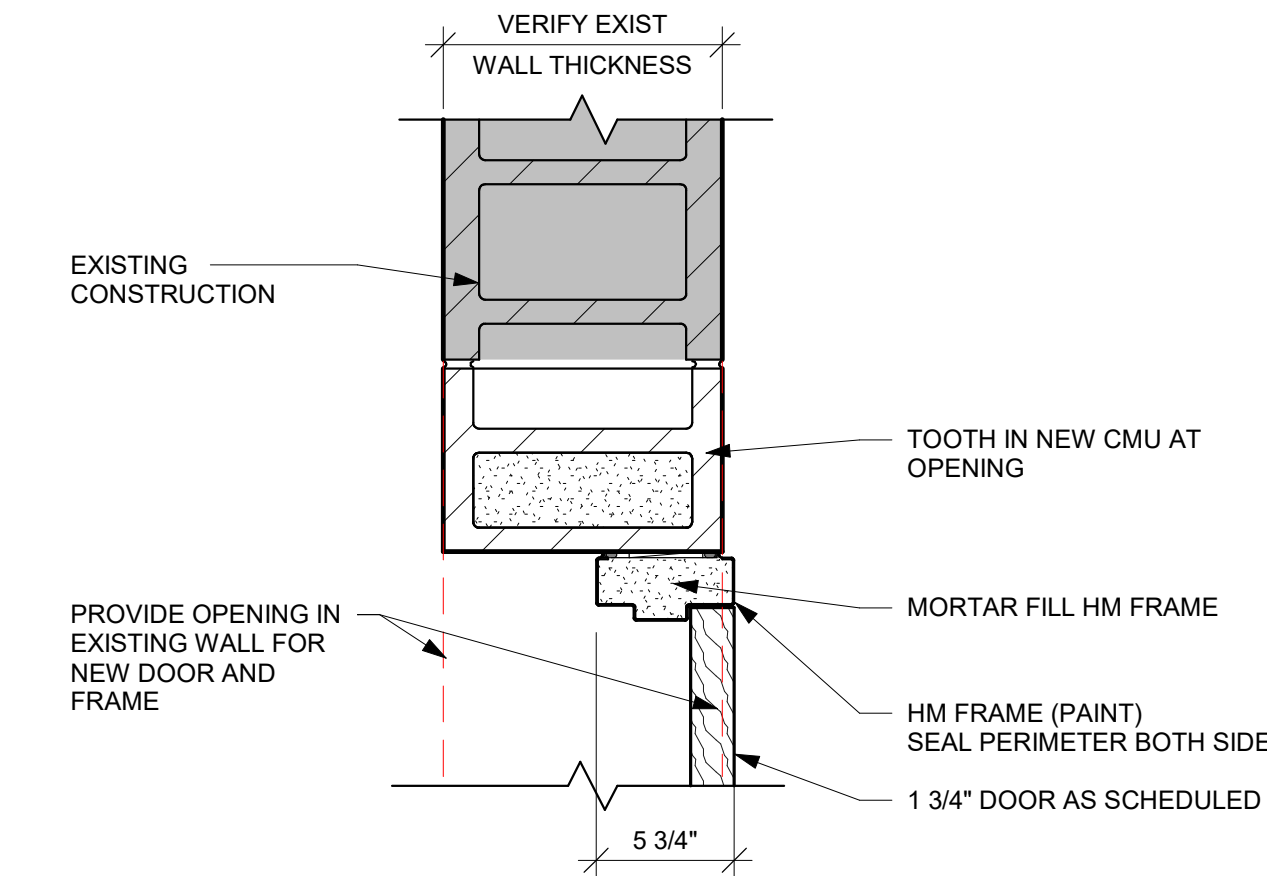
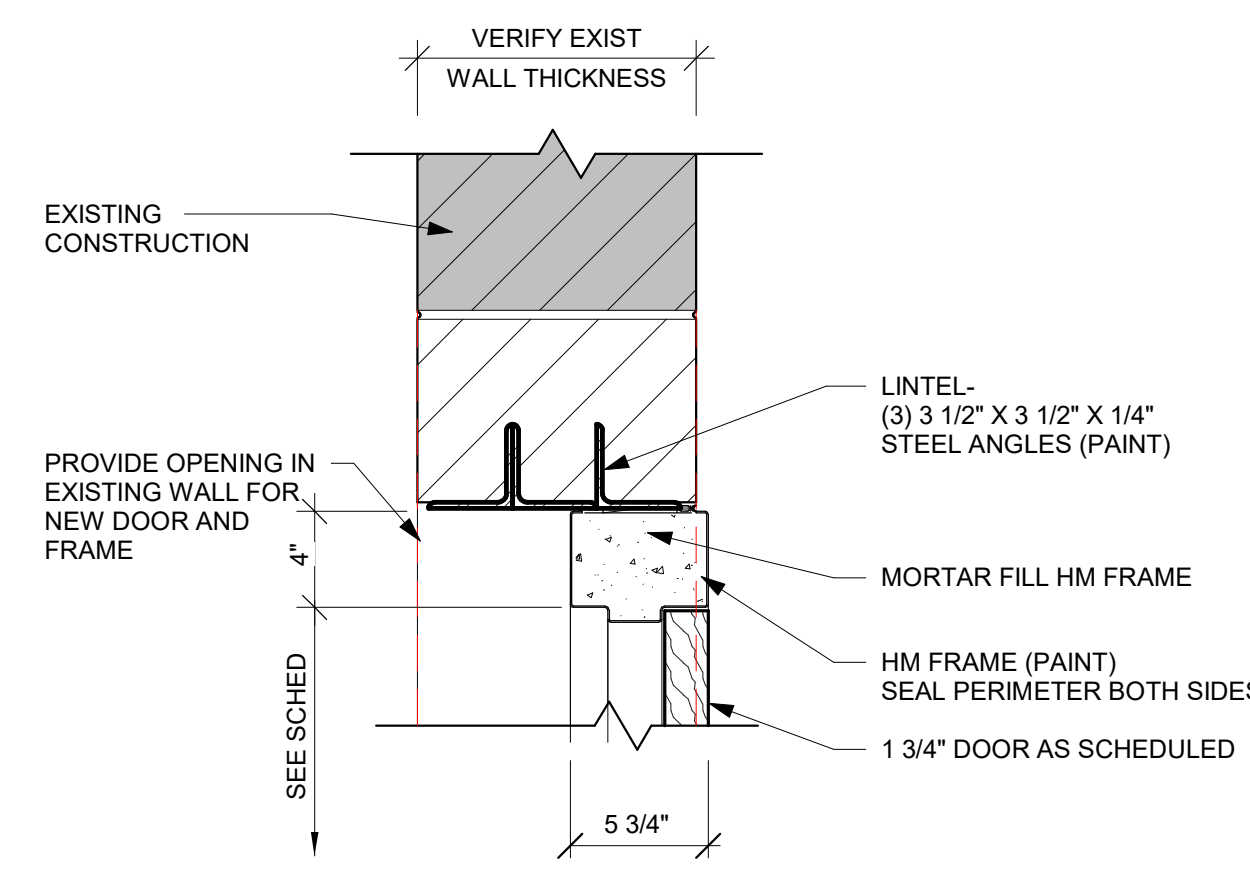
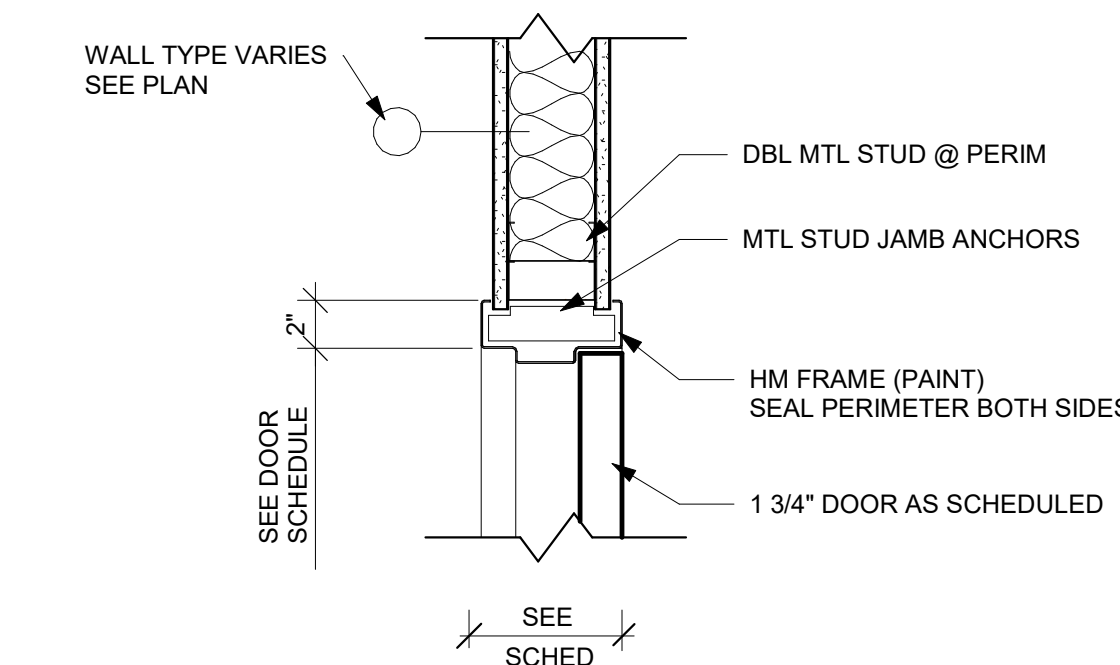
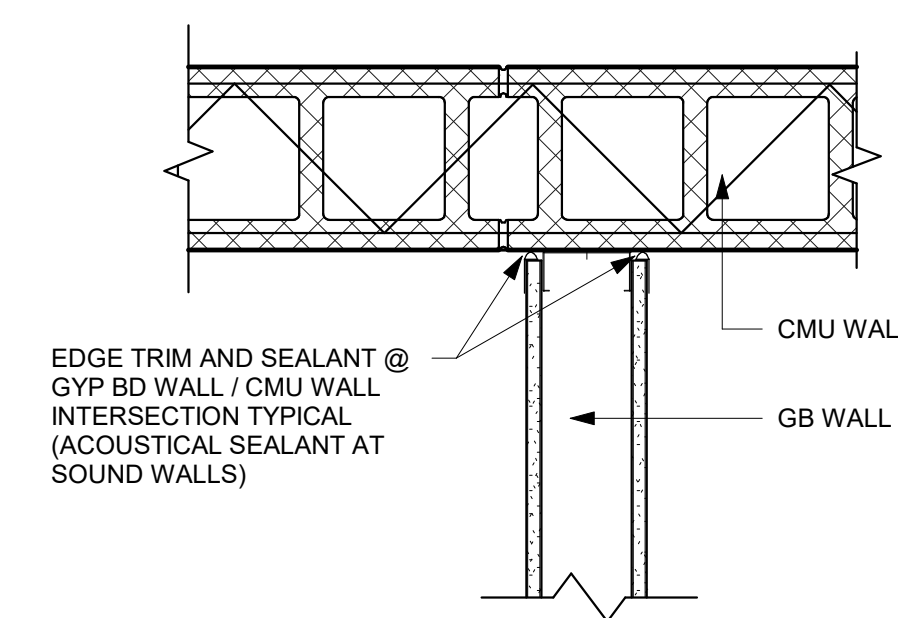
1 PLAN DETAIL
1 1/2" = 1'-0"

2 DOOR JAMB DETAIL
1 1/2" = 1'-0"

3 DOOR HEAD DETAIL
1 1/2" = 1'-0"

4 DOOR JAMB DETAIL
1 1/2" = 1'-0"

5 TOP OF PARTITION
1 1/2" = 1'-0"



Consultant:

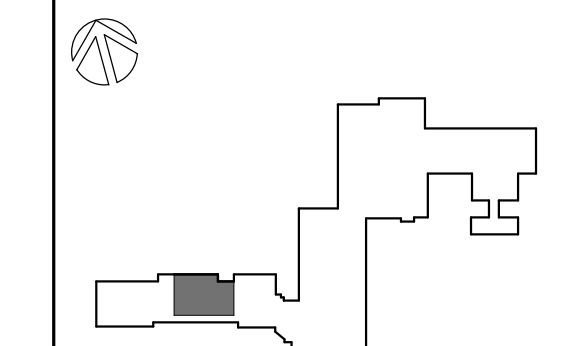
Project Title:
Project Location:
Sheet Title:

HSR Project Number:
20016

Project Date:
FEB 2021

Drawn By:
DJH

Key Plan:



BID DOCUMENTS

| No. | Description | Date |
|------|----------------|----------|
| AD-2 | Addendum No. 2 | 3/4/2021 |

Graphic Scale:
VARIES

Last Update:
3/3/2021 5:04:22 PM

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Consultant:

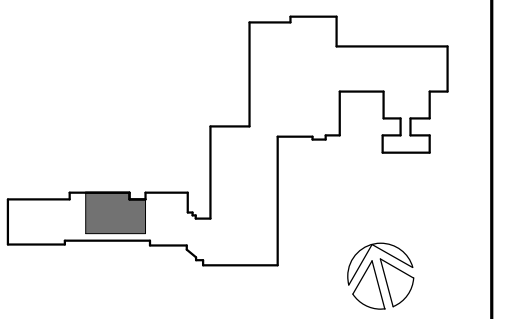
Project Title: **ARCADIA SCHOOL DISTRICT DAYCARE FACILITY REMODEL**
Project Location: **358 EAST RIVER STREET ARCADIA, WISCONSIN**
Sheet Title: **FINISH FLOOR PLAN**

HSR Project Number: **20016**

Project Date: **FEB 2021**

Drawn By: **K.VEERKAMP**

Key Plan:



BID DOCUMENTS

| No. | Description | Date |
|------|----------------|----------|
| AD-2 | Addendum No. 2 | 3/4/2021 |

Graphic Scale: **VARIES**

Last Update: **3/5/2021 8:35:26 AM**

ID101

INTERIOR GENERAL NOTES:

- REFERENCES TO PAINT PERTAIN TO COLOR ONLY. PAINT TYPE SHALL BE IDENTIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
- PNT-1 FIELD PAINT; ACCENT PAINT AS INDICATED. SEE ID SHEETS.
- REFER TO MASTER COLOR SCHEDULE ON ID600 FOR MATERIAL, FINISH SPECIFICATIONS, ANNOTATIONS, AND ADDITIONAL INFORMATION.
- TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE AXON FOR ELEVATED PATTERNING.
- VINYL COMPOSITE EDGE (VCE) TO BE INSTALLED AT DISSIMILAR FINISH AREAS; REFER TO ID SHEETS. INSTALL APPROPRIATE EDGE PROFILE TO PROTECT FINISH EDGES. COLOR AS SELECTED BY A/E.
- AT DISSIMILAR FLOORING FINISHES, SET JOINT OF MATERIALS AT CENTER OF DOOR. TRANSITIONS TO BE ADA COMPLIANT.

FINISH KEY PLAN:

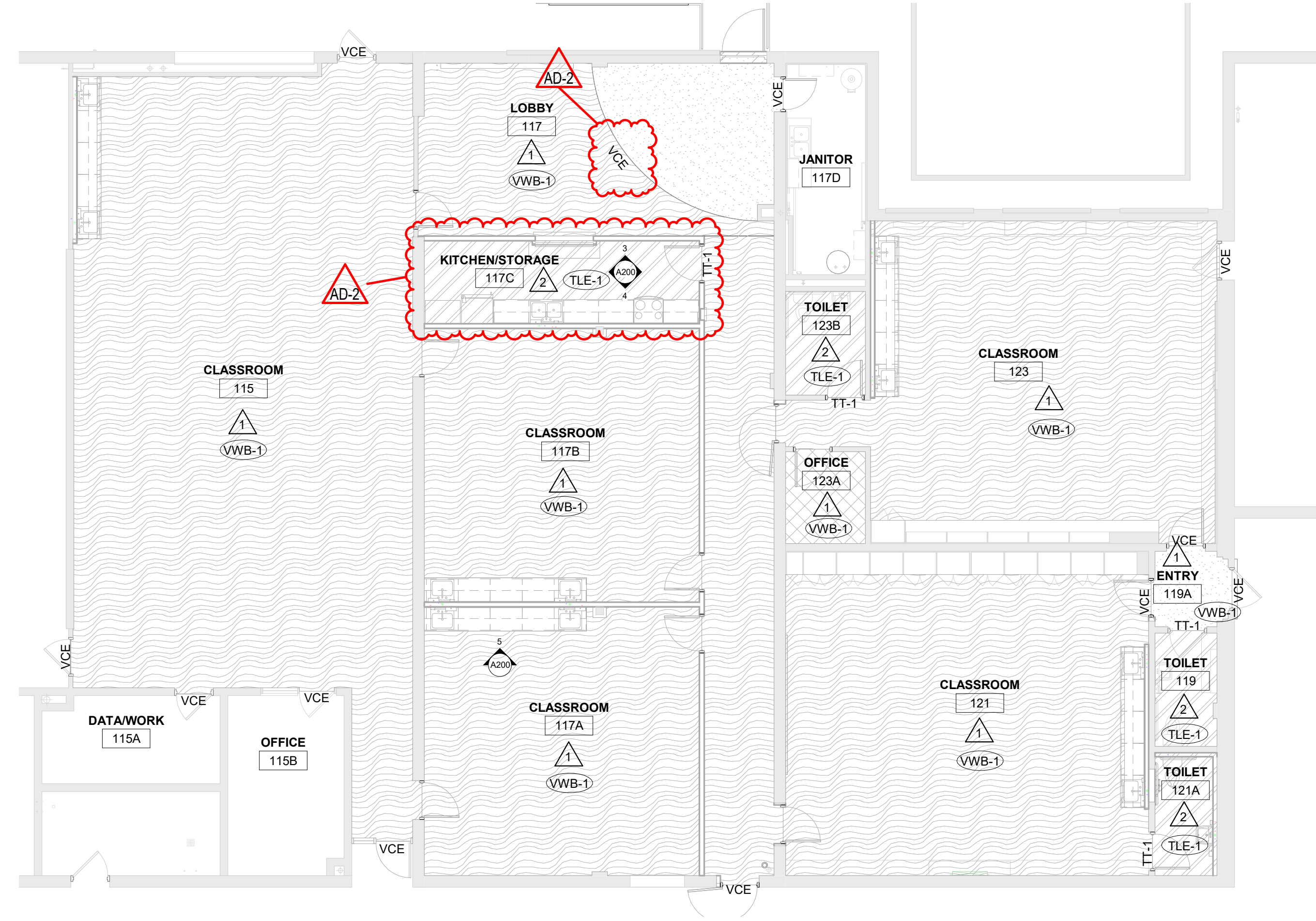
- SEE ROOM FINISH REMARKS
- VWB-1 VINYL WALL BASE
- TLE-1 6" TLE-1 WALL BASE W/ TT-1 TOP EDGE TRIM & TT-2 COVE TRIM
- PNT-X ACCENT PAINT

FINISH LEGEND:

| | | |
|--------|-------|-------|
| TLE-1 | LVT-1 | CPT-1 |
| WCPT-1 | | |

ROOM FINISH REMARKS

- PAINT ALL WALLS PNT-1. ACCENT AS INDICATED ON PLANS.
- PAINT ALL WALLS PNT-1 EPOXY.



1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

| MASTER COLOR SCHEDULE | | | | | |
|---|---|--|---|----------------------------------|--|
| MANUFACTURER / COLOR | GENERAL LOCATION | REMARKS | MANUFACTURER / COLOR | GENERAL LOCATION | REMARKS |
| 06 41 00 ARCHITECTURAL WOOD CASEWORK | | | 09 65 00 RESILIENT FLOORING/BASE | | |
| PLAM-1 (Plastic Laminate) | Vertical Casework | Arborite Color: Pearwood Pointer Code: W-453 VL Comparable Products by Prior Approval | LVT-1 | See ID Sheet | Mohawk Flooring Group Maturo Plus Stone Agreeable Grey 12"x24" 2.5mm Wear Layer: 20 mil Install: Ashlar Comparable Products by Prior Approval |
| PLAM-1 (Plastic Laminate) | Horizontal Countertops | Arborite Color: Nuno Glace Finish: P-387 CA Comparable Products by Prior Approval | VWB-1 (Vinyl Wall Base) | Field Wall Base | Johnsontite 4" Moonrock WG Cove Comparable Products by Prior Approval |
| 06 61 00 CAST POLYMER | | | 09 68 13 TILE CARPET | | |
| SS-1 (Solid Surface) | Window Sills | Avonite Color: White Sands Comparable Products by Prior Approval | CPT-1 (Carpet Tile) | Office 123A | Shaw Contract Campus Commons Rope 24"x24" Multi Level Loop Pattern Eco Worx Tile Quarter Turn Comparable Products by Prior Approval |
| 09 30 00 TILE | | | WCPT-1 (Walk Off Carpet) | Lobby Waiting 117 and Entry 119A | Shaw Contract All Access: Portal Sterling 24"x24" Multi Level Loop Pattern Eco Worx Tile Quarter Turn Comparable Products by Prior Approval |
| TLE-1 (Tile) | Floor Tile in Restrooms, and Kitchen 6" Tile Wall Base | Daltile Product: Dignitary Color: Luminary white Size: 12x24 Install: 1/3 Running Bond Finish: Matte Comparable Products by Prior Approval | | | |
| TT-1 (Tile Transition) | Tile Transitions Edge Trim for 6" Tile Wall Base | Schluter Varies by Location Color: Satin Anodized Aluminum Comparable Products by Prior Approval | | | |
| TT-2 | Tile Cove Trim Between Floor Tile and Wall Base | Schluter Cove Trim DILEX-AHKA Color: Satin Anodized Aluminum Comparable Products by Prior Approval | | | |

AD-2



Consultant:

ARCADIA SCHOOL DISTRICT
DAYCARE FACILITY
REMODEL
388 EAST RIVER STREET
ARCADIA, WISCONSIN

Project Title:
Project Number:
Project Date:
Drawn By:
Key Plan:

20016
FEB 2021
ND

| No. | Description | Date |
|-----|-------------|--------|
| A2 | Addendum 2 | 3/4/21 |

Graphic Scale:
VARIES
Last Update:
3/1/2021 9:41:17 AM

M500

| UNIT TAG | MANUFACTURER | MODEL NUMBER | TOTAL CLG. CAP. | TYPE | COMPRESSOR | | | | | ELECTRICAL | | | REMARKS | | | |
|----------|--------------|----------------|-----------------|-----------------------------|------------------|-------------------|---------------|-----------|---------------------------|---------------------------|--------------------------|---------|---------|------|-------|---|
| | | | | | REFRIGERANT TYPE | OUTDOOR AIR TEMP. | SUCTION TEMP. | APR VALVE | LOW AMBIENT KIT TO -20 °F | COOLING EFFICIENCY (SEER) | COOLING EFFICIENCY (EER) | WEIGHT | | MCA | MOCP | VOLT / PHASE |
| CU-1 | mitsubishi | PUY-A12NK7(BS) | 12000 | INVERTER-DRIVEN TWIN ROTARY | R-410A | 95 °F | 45 °F | NO | YES | 27.0 | 16.4 | 92 lbs. | 11 A | 28 A | 208/1 | PROVIDE NEMA 3R DISCONNECT WITH UNIT. PROVIDE REFRIGERANT LINE SET OF SIZE & LENGTH PER MANUFACTURER'S RECOMMENDATIONS. |

| UNIT TAG | SERVES ROOM | MANUFACTURER | MODEL NUMBER | SUPPLY FAN | | | TOTAL CLG. CAP. | UNIT WEIGHT | ELECTRICAL | | REMARKS |
|----------|-------------------|--------------|--------------|-------------------|----------------|-------|-----------------|-------------|------------|------------|--|
| | | | | AIRFLOW (DRY/WET) | MOTOR QUANTITY | POWER | | | MCA | VOLT/PHASE | |
| ACU-7 | LOBBY/WAITING 117 | mitsubishi | PLA-A12EA7 | 530/490 | 1 | 50W | 12000 | 46 lbs. | 1.00 A | 208/1 | PROVIDE WALL MOUNTING BRACKETS, WIRED WALL MOUNTED CONTROLLER. ELECTRICAL TO PROVIDE INTERCONNECTION POWER WIRING FROM CONDENSING UNIT TO INDOOR UNIT. |

| UNIT NO. | MANUFACTURER | MODEL | SERVES RANGE | FAN TYPE EXHAUST | HOOD WIDTH | LOCATION | DISCHARGE ARRANGEMENT | CFM | AMPS (VOLT/PHASE) | SONES | HOOD ACCESSORIES | | | | |
|----------|--------------|-------|--------------|------------------|------------|--------------|-----------------------|-----|-------------------|-------|------------------|----------|-----------|-------------|---------------------|
| | | | | | | | | | | | ROOF CURB | WALL CAP | DAMPERS | BIRD SCREEN | LIGHT BULB INCLUDED |
| KX-1 | BROAN | 43000 | RANGE | EXHAUST | 30" | KITCHEN 117C | VERTICAL | 220 | 1.8 (115/1) | 8 | NONE | YES | BACKDRAFT | YES | INCLUDED |

| UNIT NO. | SERVES ROOM | MODEL | FAN SPEED (RPM) | CFM | S.P. DROP INCHES W.G. | INLET dBA (dB) | 115v INPUT WATTS | HP (VOLT/CYCLE/PHASE) | WEIGHT | COMMENTS |
|----------|-------------|--------|-----------------|-----|-----------------------|----------------|------------------|-----------------------|--------|------------------------------|
| | | | | | | | | | | |
| EF-2 | TOILET 123B | SP-B80 | 747 | 75 | 0.02 | 22 | 10 | 115/60/1 | 10 | SELECTION BASED ON GREENHECK |

| Mark | LOCATION | CAPACITY (MBH) | PANEL | | NUMBER OF ROWS | GPM | ENTERING AIR TEMPERATURE | ENTERING FLUID TEMPERATURE | LEAVING FLUID TEMPERATURE | HEATING DELTA TEMPERATURE | MAX FLUID PRESSURE DROP |
|---------|-------------------|----------------|--------|--------|----------------|---------|--------------------------|----------------------------|---------------------------|---------------------------|-------------------------|
| | | | HEIGHT | LENGTH | | | | | | | |
| FTR-117 | LOBBY/WAITING 117 | 15.2 | 14" | 11'-6" | 2 | 1.5 GPM | 65 °F | 200 °F | 180 °F | 20 °F | 0.7 FL H2O |

| UNIT NO. | SYSTEM CLASSIFICATION | SIZES | LOCATION | DAMPER | INLET SIZE | MODEL NUMBER | MOUNTING | COMMENTS |
|----------|-----------------------|-----------|----------|--------|------------|-----------------------------------|----------|----------------------------|
| | | | | | | | | |
| G-2 | SUPPLY AIR | 24" x 24" | CEILING | - | 10" Ø | SERIES PLQ 4-WAY | LAY-IN | SELECTION BASED ON KRUEGER |
| R-1 | RETURN AIR | 24" x 12" | CEILING | - | 22" x 10" | S80H 3/4" 35 DEGREE FIXED DEFLECT | LAY-IN | SELECTION BASED ON KRUEGER |
| R-2 | RETURN AIR | 24" x 6" | CEILING | - | 22" x 4" | S80H 3/4" 35 DEGREE FIXED DEFLECT | LAY-IN | SELECTION BASED ON KRUEGER |
| T-1 | TRANSFER AIR | 24" x 12" | CEILING | - | 22" x 10" | S80H 3/4" 35 DEGREE FIXED DEFLECT | LAY-IN | SELECTION BASED ON KRUEGER |

