SECTION 00 91 13.5 – ADDENDUM 5

1.1 PROJECT INFORMATION

A. Project Name: Early Childhood Education Center.

B. Owner: Indiana State University.

C. Owner Project Number: B0028379.

D. Architect: arcDESIGN, PC.

E. Architect Project Number: 23116.

F. Date of Addendum: June 21, 2024.

1.2 NOTICE TO BIDDERS

A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

C. The date for receipt of bids is **unchanged by this Addendum**, at same time and location.
   1. Bid Date: June 25, 2024, 2:00pm local time.

1.3 ATTACHMENTS

A. This Addendum includes the following attached Documents and Specification Sections:
   1. Section 07 84 13 – PENETRATION FIRESTOPPING (**reissued**).
      a. Entire Specification revised per ISU Campus Standard requirements for Penetration Firestopping.

B. This Addendum includes the following attached Sheets:
   1. Architectural Sheet A301 – Building Sections, dated 5.21.2024, **(reissued)**.
      a. Revised mat footing at elevator shaft.
      b. Added Fire Resistive Requirements / information at the Fourth Floor.
   2. Architectural Sheet A111 DIMENSION PLANS – 1ST & 2ND FLOORS, dated 05.21.2024, (**reissued**).
      a. Revised information on guards and handrails in existing stairs.
   3. Architectural Sheet A112 DIMENSION PLANS – 3rd & 4th FLOORS, dated 05.21.2024, (**reissued**).
      a. Revised information on guards and handrails in existing stairs.

4. Architectural Sheet A551 EXISTING ENLARGED STAIR PLANS AND DETAILS, dated 05.21.2024, (**reissued**).
    a. Revised information on guards and handrails in existing stairs.

REVISIONS TO DIVISIONS 02 – 49 SPECIFICATION SECTIONS

C. Specification Section 07 84 13 – PENETRATION FIRESTOPPING (**reissued**).
    1. Entire Specification revised per ISU Campus Standard requirements for Penetration Firestopping.

D. Specification Section 23 31 13 (not reissued).
    1. Paragraph 2.1
        a. Include BBC Pump and Equipment Company as an Acceptable Manufacturer

1.4 REVISIONS TO DRAWING SHEETS

A. Sheet E601 – SCHEDULES (not reissued).
    1. Fixture Type ‘FN’ – McGraw Edison Impact Elite LED series is an approved equal.
    2. Fixture Type ‘F51’ – CSL Entity Cylinders series is an approved equal.
    3. Fixture Type ‘F70’ – Airey-Thompson MiniLume series is an approved equal.

QUESTIONS AND ANSWERS

B. Question: On Sheet G-101 Life Safety Plans a 1-hour separation is indicated from I-4 to B Occupancy and Section 07 81 00 Applied Fire Protection and Section 07 84 13 Penetration Fire Stopping do not indicate requirements to achieve the separation?
   1. Answer: UL No. J701 with a 7/8" thickness of SFRM between joists and beams will achieve the required rating. New Penetrations require 1-HR F & T ratings. Sheet A301 – will be reissued by Addendum to clarify location and intent. Section 07 84 13 will be revised and reissued by Addendum per ISU standard requirements.

C. Question: Sheet S121 – Basement and First Floor Structural Plans indicate a new 12" thick concrete pad dowelled into the basement footings, while Building Sections on A301 don't indicate a pad at this level.
   1. Answer: Sheet S121 – Basement and First Floor Structural Plans are correct. Sheet A301 will be revised to show the mat footing at that level.

A. Question: Drawing M311 shows 3" Hot Water Supply and Return from the Shell and Tube Heat Exchanger, while Detail 'J' on M411 indicates pipe sizing from STHX to be 4". Please verify.
   1. Answer: Use 3" pipe size shown on M311 drawing.

B. Question: Drawing M411 Detail 'L' indicates 2 coils and a provision for a future coil. Coil Schedule on M611 indicates 3 total coils. Please clarify.
   1. Answer: There are a total of 3 coils to be used for this project.

C. Question: Drawing M311 General Note mentions abatement by others. Re-insulate Shell and Tube Heat Exchanger. Will this abatement be to the extents of the piping to be removed or will it extend to all piping in the lower level that is to remain? General Note 18 was revised via Addendum 3 on sheet M211 for the 1st and 2nd floor hydronic piping systems, does that same note apply to any of the other floors, specifically the lower level mechanical room or any plumbing piping that is to remain.
   1. Answer: Shell and Tube to be replaced in its entirety. Re-insulate LPS piping from PoC shown back to the Pressure Reducing Station near Column 7. There is no existing hydronic piping on floors 1 thru 4 today and basically all plumbing piping is to be removed in areas of construction. The Owner has advised that existing visible plumbing piping insulation does not require abatement. If abatement is required for materials that become exposed during wall removal, we will deal with it at that time.

D. Question: I didn't see anywhere in the documents if this renovation project has had any type of Phase 1 or other environmental testing performed to rule out any asbestos, lead paint, etc. that may need remediated. If we come across such items, will the Owner pay for all remediation costs? And if we are shut down during such time, will an extension of time and Contract Sum be granted?
   1. Answer:
      a. There is no specific reference to a Phase 1 or other environmental test that rules out any asbestos, lead paint, etc. that may need to be remediated. Please reference the Pre-Bid Site Visit Agenda / Information included in Addendum 1 for the following statement: "***Asbestos or other hazardous materials**: None Anticipated;*

if suspicious material is encountered, stop work immediately in the area and contact the Owner for clearance or removal."

b. Regarding extensions of time and Contract Sum for concealed or unknown conditions, reference Article 15 of the General Conditions (A201-2007) and Amendments.

2. Question: Can an Allowance be set up for the procurement of Light Fixture F53?
   a. Answer: There are currently no Allowances in the project. Light Fixture F53 is integral to the interior design and performance of the space in which it resides and should be included in the Base Bid.
3. Question: Can you clarify Dimension Plan Note 9 on A111- Dimension Plan which indicates New Railing TBD but that note does not appear on the Dimension Plans.
   a. Reference Sheet A551 Existing Enlarged Stair Plans and Details reissued in Addendum 5 for new Wire Mesh Infill panel guards between newell posts at all flights and new metal pipe handrails (at children's height) mounted to existing walls for flights serving floors 1, 2, and 3 only.
4. Question: For items 7 and 8 in the Kitchen: Hinging option is specification on the two Traulsen units is not available in the 48 inch wide models. That unit is not wide enough to have any hinges in the middle, so left/right is the only configuration available. It might be worth confirming with the architect if the 54" wide units will fit since dimensions are not clear on the drawing we have.
   a. Answer: Include the 54" wide units in your bid. We'll address any space concerns at a later date.

END OF DOCUMENT 00 91 13.5

SECTION 07 84 13 - PENETRATION FIRESTOPPING ADDENDUM 5

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Section, apply to work specified in this section.

1.2 DEFINITIONS

A. Firestopping: Material or combination of materials used to retain integrity of fire-rated construction by maintaining an effective barrier against the spread of flame, smoke, and hot gases through penetrations in fire rated wall and floor assemblies.

1.3 GENERAL DESCRIPTION OF THE WORK OF THIS SECTION

A. Only tested firestop systems shall be used in specific locations as follows:
   1. Penetrations for the passage of duct, cable, cable tray, conduit, piping, electrical busways and raceways through fire-rated vertical barriers (walls and partitions), horizontal barriers (floor/ceiling assemblies), and vertical service shaft walls and partitions.
   2. Safing slot gaps between edge of floor slabs and curtain walls.
   3. Openings between structurally separate sections of wall or floors.
   4. Gaps between the top of walls and ceilings or roof assemblies.
   5. Expansion joints in walls and floors.
   6. Openings and penetrations in fire-rated partitions or walls containing fire doors.
   7. Openings around structural members which penetrate floors or walls.

1.4 RELATED WORK OF OTHER SECTIONS

A. Coordinate work of this section with work of other sections as required to properly execute the work and as necessary to maintain satisfactory progress of the work of other sections, including:
   1. Section 03 30 00 – Cast-In-Place Concrete
   2. Section 07 92 00 – Joint Sealers
   3. Section 04 81 00 – Masonry Work
   4. Section 09 25 00 – Gypsum Drywall Systems
   5. Section 22 05 00 – Basic Mechanical Materials and Methods
   6. Section 23 05 00 – Basic Mechanical Materials and Methods
   7. Section 23 07 50 – Mechanical Insulation
   8. Section 21 91 50 – Fire Protection Sprinklers
   9. Section 22 40 00 – Plumbing
   10. Section 26 05 00 – Basic Electrical Materials and Methods
   11. Section 28 00 00 – Fire Detection Systems

1.5 REFERENCES

A. Test Requirements: ASTM E-814, "Standard Method of Fire Tests of Through Penetration Fire Stops" (July 1997).

B. Underwriters Laboratories (UL) of Northbrook, IL runs ASTM E-814 under their designation of UL 1479 and publishes the results in their "FIRE RESISTANCE DIRECTORY" that is updated annually.
   1. UL Fire Resistance Directory:
   2. Firestop Devices (XHJI)
   3. Fire Resistance Ratings (BXUV)
   4. Through-Penetration Firestop Systems (XHEZ)
   5. Fill, Voids, or Cavity Material (XHHW)
   6. Forming Materials (XHKU)

C. Test Requirements: UL 2079, “Tests for Fire Resistance of Building Joint Systems” (July 1998.)

D. International Firestop Council Guidelines for Evaluating Firestop Systems Engineering Judgments

E. ASTM E-84, Standard Test Method for Surface Burning Characteristics of Building Materials.

F. All major building codes: ICBO, SBCCI, BOCA, and IBC.

G. NFPA 70 - National Electric Code

1.6 QUALITY ASSURANCE

A. A manufacturer's direct representative (not distributor or agent) to be on-site during initial installation of firestop systems to train appropriate contractor personnel in proper selection and installation procedures. This will be done per manufacturer's written recommendations published in their literature and drawing details.

B. Firestop System installation must meet requirements of ASTM E-814, UL 1479 or UL 2079 tested assemblies that provide a fire rating equal to that of construction being penetrated.

C. Proposed firestop materials and methods shall conform to applicable governing codes having local jurisdiction.

D. Firestop Systems do not reestablish the structural integrity of load bearing partitions/assemblies, or support live loads and traffic. Installer shall consult the structural engineer prior to penetrating any load bearing assembly.

E. For those firestop applications that exist for which no UL tested system is available through a manufacturer, an engineering judgment derived from similar UL system designs or other tests will be submitted to local authorities having jurisdiction for their review and approval prior to installation. Engineer judgment drawings must follow requirements set forth by the International Firestop Council (September 7, 1994, as may be amended from time to time).

1.7 SUBMITTALS

A. Submit Product Data: Manufacturer's specifications and technical data for each material including the composition and limitations, documentation of UL firestop systems to be used and manufacturer's installation instructions to comply with Section 1300.

B. Manufacturer's engineering judgment identification number and drawing details when no UL system is available for an application. Engineer judgment must include both project name and contractor’s name who will install firestop system as described in drawing.

C. Submit material safety data sheets provided with product delivered to job-site.

1.8 INSTALLER QUALIFICATIONS

A. Engage an experienced Installer who is certified, licensed, or otherwise qualified by the firestopping manufacturer as having been provided the necessary training to install manufacturer’s products per specified requirements. A supplier’s willingness to sell its firestopping products to the Contractor or to an Installer engaged by the Contractor does not in itself confer qualification on the buyer.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials undamaged in manufacturer's clearly labeled, unopened containers, identified with brand, type, and UL label where applicable.

B. Coordinate delivery of materials with scheduled installation date to allow minimum storage time at job-site.

C. Store materials under cover and protect from weather and damage in compliance with manufacturer's requirements, including temperature restrictions.

D. Comply with recommended procedures, precautions or remedies described in material safety data sheets as applicable.

E. Do not use damaged or expired materials.

1.10 PROJECT CONDITIONS

A. Do not use materials that contain flammable solvents.

B. Schedule installation of firestopping after completion of penetrating item installation but prior to covering or concealing of openings.

C. Verify existing conditions and substrates before starting work. Correct unsatisfactory conditions before proceeding.

D. Weather conditions: Do not proceed with installation of firestop materials when temperatures exceed the manufacturer's recommended limitations for installation printed on product label and product data sheet.

E. During installation, provide masking and drop cloths to prevent firestopping materials from contaminating any adjacent surfaces.

PART 2 - PRODUCTS

2.1 FIRESTOPPING, GENERAL

A. Provide firestopping composed of components that are compatible with each other, the substrates forming openings, and the items, if any, penetrating the firestopping under conditions of service and application, as demonstrated by the firestopping manufacturer based on testing and field experience.

B. Provide components for each firestopping system that are needed to install fill material. Use only components specified by the firestopping manufacturer and approved by the qualified testing agency for the designated fire-resistance-rated systems.

C. Firestopping Materials are either “cast-in-place” (integral with concrete placement) or “post installed.” Provide cast-in-place firestop devices prior to concrete placement.

2.2 ACCEPTABLE MANUFACTURERS

A. Subject to compliance with through penetration firestop systems (XHEZ) and joint systems (XHBN) listed in Volume 2 of the UL Fire Resistance Directory, provide products of the following manufacturers as identified below:
   1. Hilti, Inc., Tulsa, Oklahoma
   2. Other manufacturers listed in the U.L. Fire Resistance Directory – Volume 2

2.3 MATERIALS

A. Use only firestop products that have been UL 1479, ASTM E-814, or UL 2079 tested for specific fire-rated construction conditions conforming to construction assembly type, penetrating item type, annular space requirements, and fire-rating involved for each separate instance.

B. Cast-in place firestop devices for use with non-combustible and combustible plastic pipe (closed and open piping systems) penetrating concrete floors, the following products are acceptable:
   1. Hilti CP 680 Cast-In Place Firestop Device
   2. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

C. Sealants, caulking materials, or foams for use with non-combustible items including steel pipe, copper pipe, rigid steel conduit and electrical metallic tubing (EMT), the following products are acceptable:
   1. Hilti FS-ONE Intumescent Firestop Sealant
   2. Hilti CP 604 Self-leveling Firestop Sealant

3. Hilti CP 620 Fire Foam
4. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

D. Sealants or caulking materials for use with sheet metal ducts, the following products are acceptable:
   1. Hilti CP 601s Elastomeric Firestop Sealant
   2. Hilti CP 606 Flexible Firestop Sealant
   3. Hilti FS-ONE Intumescent Firestop Sealant
   4. Hilti CP 604 Self-leveling Firestop Sealant
   5. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

E. Sealants, caulking or spray materials for use with fire-rated construction joints and other gaps, the following products are acceptable:
   1. Hilti CP 672 Speed Spray
   2. Hilti CP 601s Elastomeric Firestop Sealant
   3. Hilti CP 606 Flexible Firestop Sealant
   4. Hilti CP 604 Self-leveling Firestop Sealant
   5. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

F. Pre-formed mineral wool designed to fit flutes of metal profile deck; as a backer for spray material.
   1. Hilti CP 677 Speed Plugs
   2. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

G. Intumescent sealants, caulking materials or foams for use with combustible items (penetrants consumed by high heat and flame) including insulated metal pipe, PVC jacketed, flexible cable or cable bundles and plastic pipe, the following products are acceptable:
   1. Hilti FS-ONE Intumescent Firestop Sealant
   2. Hilti CP 620 Fire Foam
   3. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

H. Intumescent sealants, foams, caulking or putty materials for use with flexible cable or cable bundles, the following products are acceptable:
   1. Hilti FS-ONE Intumescent Firestop Sealant
   2. Hilti CP 618 Firestop Putty Stick
   3. Hilti CP 620 Fire Foam
   4. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

I. Non curing, re-penetrable intumescent sealants, caulking or putty materials for use with flexible cable or cable bundles, the following products are acceptable:
   1. Hilti CP 618 Firestop Putty Stick
   2. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

J. Wall opening protective materials for use with U.L. listed metallic and specified nonmetallic outlet boxes, the following products are acceptable:
   1. Hilti CP 617 Firestop Putty Pad
   2. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 1

K. Firestop collar or wrap devices attached to assembly around combustible plastic pipe (closed and open piping systems), the following products are acceptable:
   1. Hilti CP 642 Firestop Collar
   2. Hilti CP 643 Firestop Collar
   3. Hilti CP 645 Wrap Strips
   4. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

L. Materials used for complex penetrations made to accommodate cable trays, multiple steel and copper pipes, electrical busways in raceways, the following products are acceptable:
   1. Hilti FS 635 Trowelable Firestop Compound
   2. Hilti FS 657 FIRE BLOCK
   3. Hilti CP 620 Fire Foam
   4. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

M. Non curing, re-penetrable materials used for large size/complex penetrations made to accommodate cable trays, multiple steel and copper pipes, electrical busways in raceways, the following products are acceptable:
   1. Hilti FS 657 FIRE BLOCK
   2. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

N. Sealants or caulking materials used for openings between structurally separate sections of wall and floors, the following products are acceptable:
   1. Hilti CP 672 Speed Spray
   2. Hilti CP 601s Elastomeric Firestop Sealant
   3. Hilti CP 606 Flexible Firestop Sealant
   4. Hilti CP 604 Self-Leveling Firestop Sealant
   5. Equivalent products listed in the U.L. Fire Resistance Directory – Volume 2

O. Provide a firestop system with a "F" Rating as determined by UL 1479 or ASTM E814 which is equal to the time rating of construction being penetrated.

P. Provide a firestop system with an Assembly Rating as determined by UL 2079 which is equal to the time rating of construction being penetrated.

PART 3 - EXECUTION

3.1 PREPERATION

A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
   1. Verify penetrations are properly sized and in suitable condition for application of materials.
   2. Surfaces to which firestop materials will be applied shall be free of dirt, grease, oil, rust, laitance, release agents, water repellents, and any other substances that may affect proper adhesion.
   3. Provide masking and temporary covering to prevent soiling of adjacent surfaces by firestopping materials.

4. Comply with manufacturer's recommendations for temperature and humidity conditions before, during and after installation of firestopping.
5. Do not proceed until unsatisfactory conditions have been corrected.

3.2 COORDINATION

A. Coordinate location and proper selection of cast-in-place Firestop Devices with trade responsible for the work. Ensure device is installed before placement of concrete.

B. The Trade Contractor shall provide adequate spacing of field run pipes to allow for installation of cast-in-place firestop devices without interferences.

3.3 INSTALLATION

A. Regulatory Requirements: Install firestop materials in accordance with UL Fire Resistance Directory.

B. Manufacturer's Instructions: Comply with manufacturer's instructions for installation of through-penetration and construction joint materials.
1. Seal all holes or voids made by penetrations to ensure an air and water resistant seal.
2. Consult with mechanical engineer, project manager, and damper manufacturer prior to installation of UL firestop systems that might hamper the performance of fire dampers as it pertains to duct work.
3. Protect materials from damage on surfaces subjected to traffic.

3.4 FIELD QUALITY CONTROL

A. Examine sealed penetration areas to ensure proper installation before concealing or enclosing areas.

B. Keep areas of work accessible until inspection by applicable code authorities.

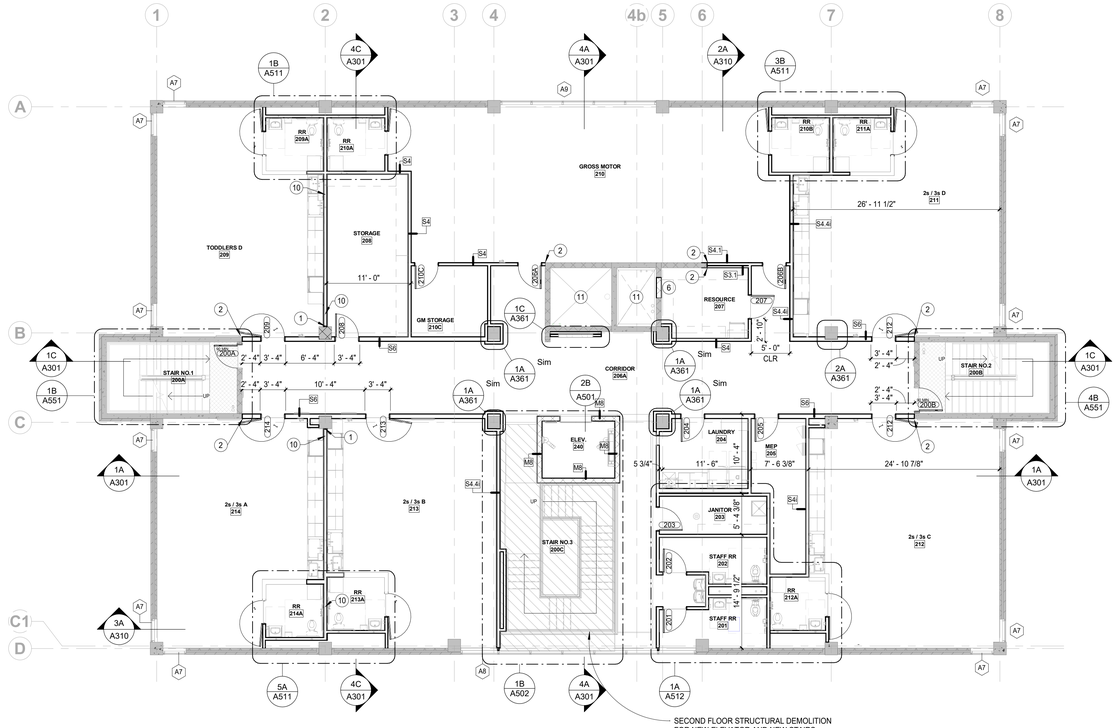
C. Perform under this section patching and repairing of firestopping caused by cutting or penetrating of existing firestop systems already installed by other trades.

3.5 ADJUSTING AND CLEANING

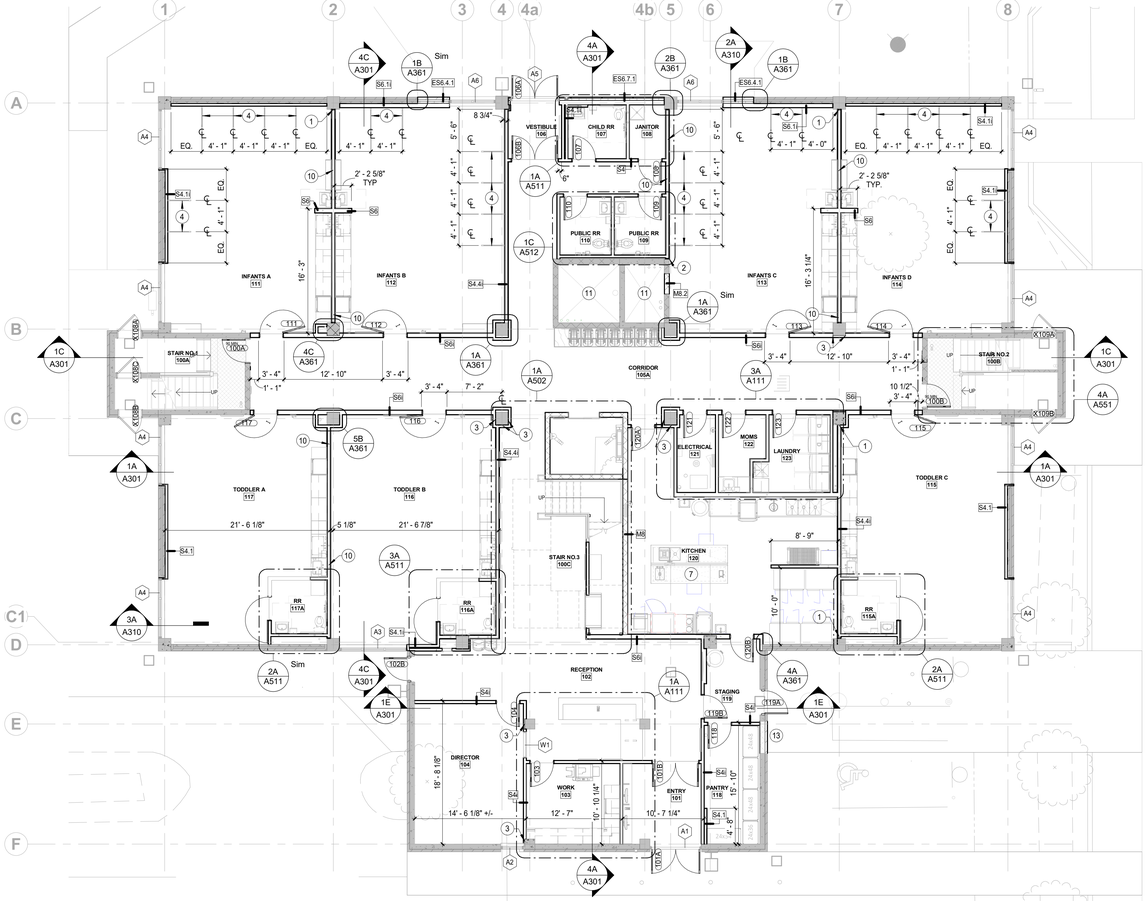
A. Remove equipment, materials and debris, leaving area in undamaged, clean condition.

B. Clean all surfaces adjacent to sealed holes and joints to be free of excess firestop materials and soiling as work progresses.

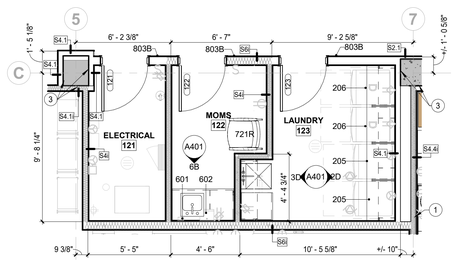
END OF SECTION 07 84 13



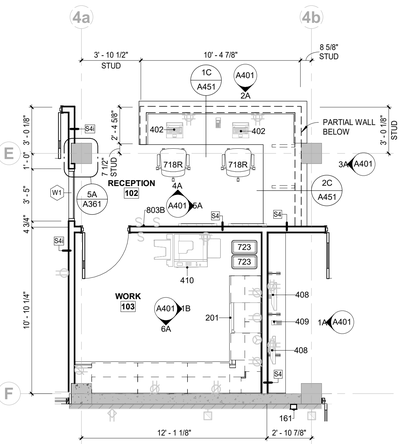
2C DIMENSION PLAN - SECOND FLOOR
1/8" = 1'-0" REF: 5A / A100



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



3A ENLARGED FLOOR PLAN
1/4" = 1'-0" REF: 2A / A111



1A ENLARGED PLAN - RECEPTION/FRONT DESK
1/4" = 1'-0" REF: 2A / A111

GENERAL NOTES: DIMENSION PLANS

A. ALL FLOOR PLAN DIMENSIONS SHOWN ON THE NEW FLOOR PLANS ARE FROM FACE OF STUD OR FACE OF MASONRY. WHERE NOTED OTHERWISE BY THE DESIGNATIONS "CLR", "CLEAR", OR "MIN.", DIMENSIONS ARE FROM FINISHED OR EXPOSED FACE OF WALL. DIMENSIONS TO EXISTING WALLS ARE TO FINISHED FACE OF WALL UNLESS NOTED OTHERWISE. COORDINATE WITH APPLICABLE NEW WALL TYPES AND WITH APPLICABLE SECTIONS/DETAILS.
B. ALL WALL TYPES ARE TYPE "S4" UNLESS NOTED OTHERWISE.
C. ALL NEW HOLLOW METAL (HM). DOOR FRAMES ARE LOCATED 4" FROM THE ADJACENT WALL FACE (TO OUTER EDGE OF FRAME) UNLESS DIMENSIONED OR DETAILED OTHERWISE.
D. WHERE CALLOUTS ARE SHOWN, REFERENCE VIEWS INDICATED FOR DIMENSIONS AND MATERIALS.
E. REFERENCE WALL TYPES ON SHEET A010 FOR MATERIALS AND DIMENSIONS OF INTERIOR WALLS.
F. REFERENCE WALL TYPES ON SHEET A010 FOR EXTERIOR WALL TYPES.
G. REFERENCE FRAME ELEVATIONS FOR DIMENSIONS OF FRAME ASSEMBLIES FOR STOREFRONTS AND CURTAINWALLS.
H. REFERENCE DOOR SCHEDULE FOR DOOR SIZES.
I. PROVIDE 1 INCH CLEARANCE AT ALL STRUCTURAL COLUMNS UNLESS NOTED OTHERWISE.

PLAN NOTES - DIMENSION PLAN

1 ALIGN CENTERLINE OF METAL STUD FRAMING WITH CENTERLINE OF EXISTING COLUMN.
2 ALIGN FINISH FACE OF WALL WITH FACE OF EXSITING CONSTRUCTION.
3 ALIGN FACE OF STUD WITH FACE OF EXSITING CONSTRUCTION.
4 CRIB DIVIDERS - FLOOR & CEILING ANCHORED. REFER TO DETAILS ON SHEET A451 FOR ADDITIONAL INFORMATION. SEE ALTERNATES FOR ALTERNATE BIDS ASSOCIATE WITH CRIB DIVIDERS.
5 NEW S.O.G. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6 INFILL EXISTING OPENING WITH CMU. MATCH ADJACENT BOND PATTERN. PROVIDE BULL-NOSED CORNERS IF PRESENT.
7 REFER TO KITCHEN PLANS BY KITCHEN DESIGNER FOR ADDITIONAL INFORMATION.
8 WALL CAP CASEWORK - HALF-HEIGHT WALL WITH KNEE WALL POST. REFER TO INTERIOR ELEVATIONS.
9 WIRE MESH INFILL PANEL. REFER TO DETAILS ON SHEET A551.
10 SEE SPECIFICATIONS FOR ALTERNATE BIDS AFFECTING THIS CLASSROOM DEMISING WALL TYPE. BASE BID: PROVIDE WALL TYPE S4.1i. ALTERNATE BID: PROVIDE WALL TYPE S4.4i.
11 MAINTAIN EXISTING 2-HR FIRE RESISTIVE SHAFT WALL CONSTRUCTION.
12 SEE ALTERNATES FOR ALTERNATE BIDS THAT INCLUDE NEW FINISHES AT THE FOURTH FLOOR. REF. A152 - INTERIOR FINISH PLANS - 3RD & 4TH FLOORS FOR ALTERNATE FINISH LOCATIONS / EXTENTS.
13 INFILL EXISTING OPENING WITH CMU AND BRICK. TOOTH IN NEW BRICK TO MATCH EXISTING COURSING.
14 REF. SHEET MD301 FOR REMOVAL OF MECHANICAL EQUIPMENT. PATCH WALL TO MAINTAIN EXISTING 2-HR FIRE RESISTIVE SHAFT WALL CONSTRUCTION. PROVIDE NEW FINISHES MATCHING ADJACENT FINISHES (IF PRESENT).
15 NEW CONT. 1 1/2" DIA. PAINTED STEEL PIPE / TUBE HANDRAIL AT CHILDRENS HEIGHT, MOUNTED TO CONCRETE WALL BELOW EXISTING ADULT HANDRAIL. REF. SHEET A506 FOR HEIGHT OF CHILDRENS HANDRAIL.

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MICHAEL W ENGLEMAN REGISTERED No. 19300042 STATE OF INDIANA ARCHITECT

INDIANA STATE UNIVERSITY
EARLY CHILDHOOD EDUCATION CENTER
749 CHESTNUT ST.
TERRE HAUTE, IN 47807

100% CONSTRUCTION DOCUMENTS

△ REVISIONS:
5 06.21.2024 ADDENDUM 5

DATE:
05.21.2024
arcDESIGN PROJECT NUMBER:
23116
CLIENT PROJECT NUMBER:
B0028379
DRAWN BY:
GAM
DRAWING TITLE:

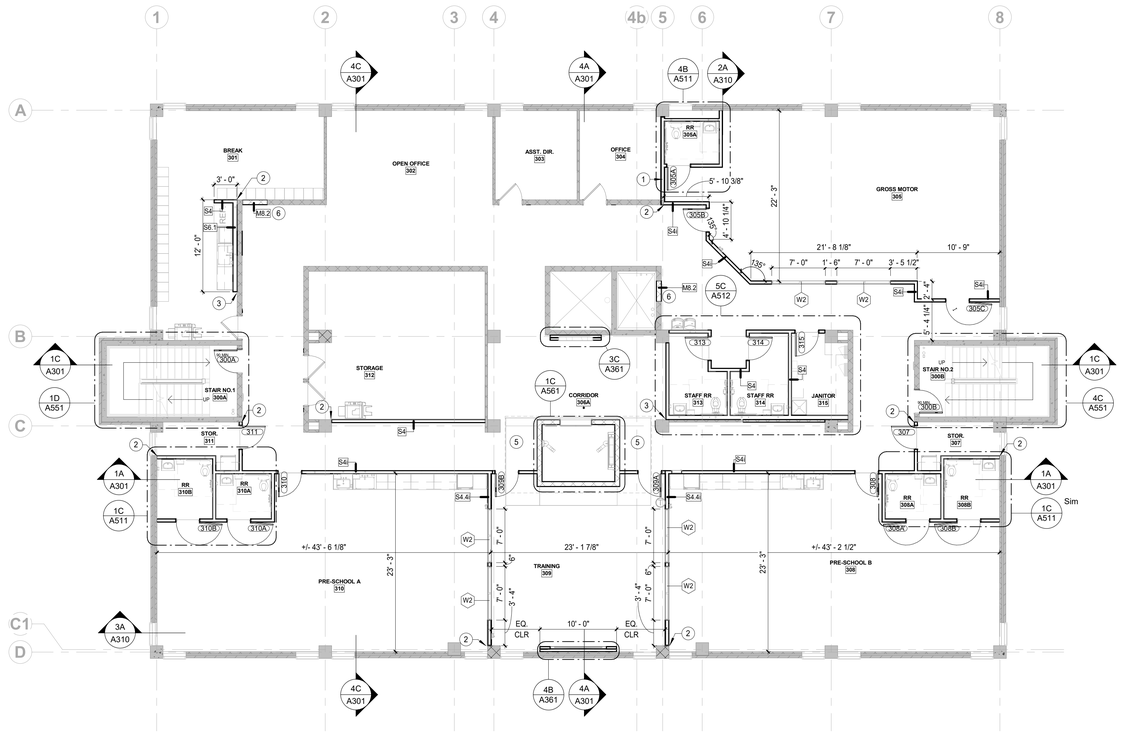
DIMENSION PLANS - 1ST & 2ND FLOORS

DRAWING NUMBER:
A111

TRUE NORTH

6/21/2024 1:44:55 PM Autodesk Docs://23116 - ISU Early Childhood Education Center/23116 - ISU-ECEC_aD.rvt

2C DIMENSION PLAN - FOURTH FLOOR
1/8" = 1'-0" REF: 1C / A201



2A DIMENSION PLAN - THIRD FLOOR
1/8" = 1'-0" REF: 5A / A100

GENERAL NOTES: DIMENSION PLANS

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B. ALL WALL TYPES ARE TYPE "S4" UNLESS NOTED OTHERWISE.
C. ALL NEW HOLLOW METAL (HM). DOOR FRAMES ARE LOCATED 4" FROM THE ADJACENT WALL FACE (TO OUTER EDGE OF FRAME) UNLESS DIMENSIONED OR DETAILED OTHERWISE.
D. WHERE CALLOUTS ARE SHOWN, REFERENCE VIEWS INDICATED FOR DIMENSIONS AND MATERIALS.
E. REFERENCE WALL TYPES ON SHEET A010 FOR MATERIALS AND DIMENSIONS OF INTERIOR WALLS.
F. REFERENCE WALL TYPES ON SHEET A010 FOR EXTERIOR WALL TYPES.
G. REFERENCE FRAME ELEVATIONS FOR DIMENSIONS OF FRAME ASSEMBLIES FOR STOREFRONTS AND CURTAINWALLS.
H. REFERENCE DOOR SCHEDULE FOR DOOR SIZES.
I. PROVIDE 1 INCH CLEARANCE AT ALL STRUCTURAL COLUMNS UNLESS NOTED OTHERWISE.

PLAN NOTES - DIMENSION PLAN

1 ALIGN CENTERLINE OF METAL STUD FRAMING WITH CENTERLINE OF EXISTING COLUMN.
2 ALIGN FINISH FACE OF WALL WITH FACE OF EXSITING CONSTRUCTION.
3 ALIGN FACE OF STUD WITH FACE OF EXSITING CONSTRUCTION.
4 CRIB DIVIDERS - FLOOR & CEILING ANCHORED. REFER TO DETAILS ON SHEET A451 FOR ADDITIONAL INFORMATION. SEE ALTERNATES FOR ALTERNATE BIDS ASSOCIATE WITH CRIB DIVIDERS.
5 NEW S.O.G. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
1 6 INFILL EXISTING OPENING WITH CMU. MATCH ADJACENT BOND PATTERN. PROVIDE BULL-NOSED CORNERS IF PRESENT.
7 REFER TO KITCHEN PLANS BY KITCHEN DESIGNER FOR ADDITIONAL INFORMATION.
8 WALL CAP CASEWORK - HALF-HEIGHT WALL WITH KNEE WALL POST. REFER TO INTERIOR ELEVATIONS.
5 9 WIRE MESH INFILL PANEL. REFER TO DETAILS ON SHEET A551.
10 SEE SPECIFICATIONS FOR ALTERNATE BIDS AFFECTING THIS CLASSROOM DEMISING WALL TYPE. BASE BID: PROVIDE WALL TYPE S4.1i. ALTERNATE BID: PROVIDE WALL TYPE S4.4i.
11 MAINTAIN EXISTING 2-HR FIRE RESISTIVE SHAFT WALL CONSTRUCTION.
1 12 SEE ALTERNATES FOR ALTERNATE BIDS THAT INCLUDE NEW FINISHES AT THE FOURTH FLOOR. REF. A152 - INTERIOR FINISH PLANS - 3RD & 4TH FLOORS FOR ALTERNATE FINISH LOCATIONS / EXTENTS.
13 INFILL EXISTING OPENING WITH CMU AND BRICK. TOOTH IN NEW BRICK TO MATCH EXISTING COURSING.
14 REF. SHEET MD301 FOR REMOVAL OF MECHANICAL EQUIPMENT. PATCH WALL TO MAINTAIN EXISTING 2-HR FIRE RESISTIVE SHAFT WALL CONSTRUCTION. PROVIDE NEW FINISHES MATCHING ADJACENT SURFACE IF PRESENT.
5 15 NEW CONT. 1 1/2" DIA. PAINTED STEEL PIPE / TUBE HANDRAIL AT CHILDRENS HEIGHT, MOUNTED TO CONCRETE WALL BELOW EXISTING ADULT HANDRAIL. REF. SHEET A506 FOR HEIGHT OF CHILDREN'S HANDRAIL.

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△ REVISIONS:
1 06.07.2024 ADDENDUM 1
5 06.21.2024 ADDENDUM 5

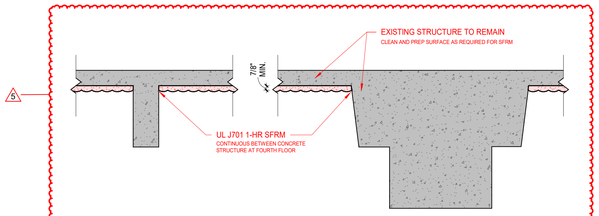
DATE:
05.21.2024
arcDESIGN PROJECT NUMBER:
23116
CLIENT PROJECT NUMBER:
B0028379
DRAWN BY:
GAM
DRAWING TITLE:

DIMENSION PLANS - 3RD & 4TH FLOORS

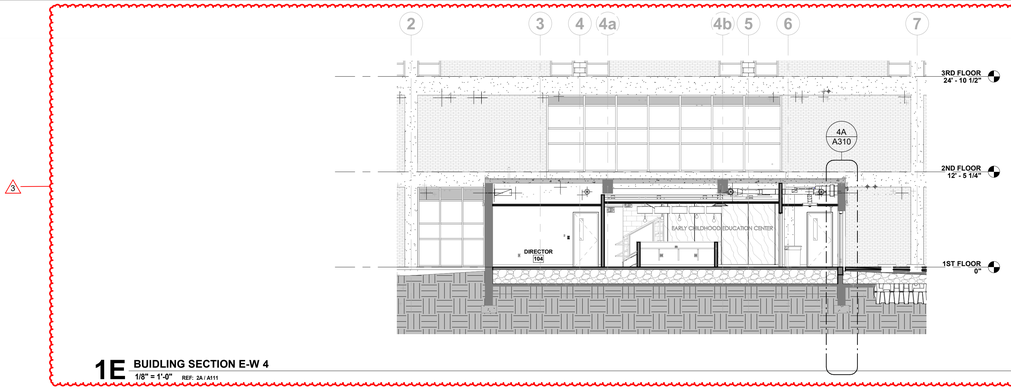
TRUE NORTH

DRAWING NUMBER:
A112

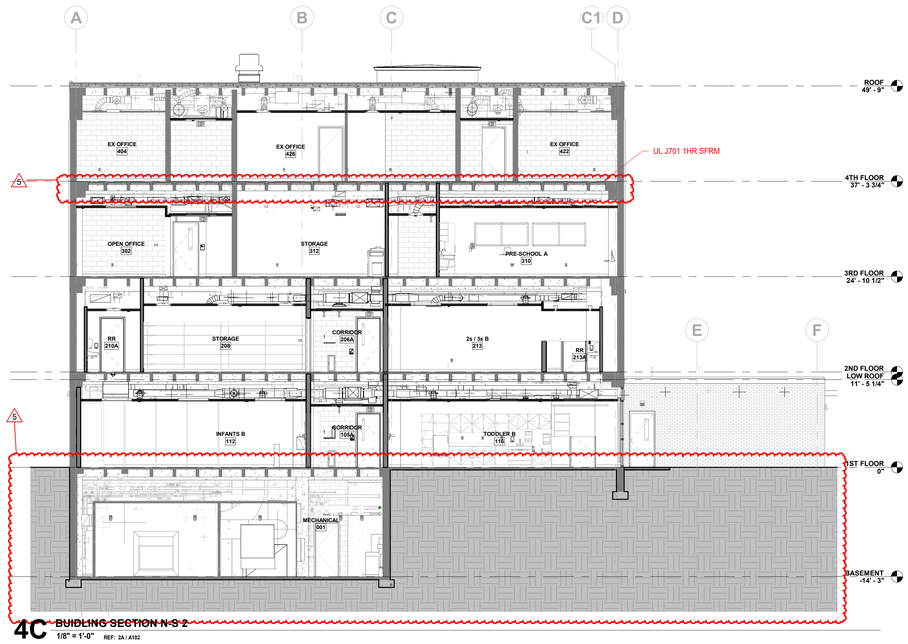
6/21/2024 1:42:08 PM Autodesk Docs://23116 - ISU Early Childhood Education Center/23116 - ISU-ECEC_aD.rvt



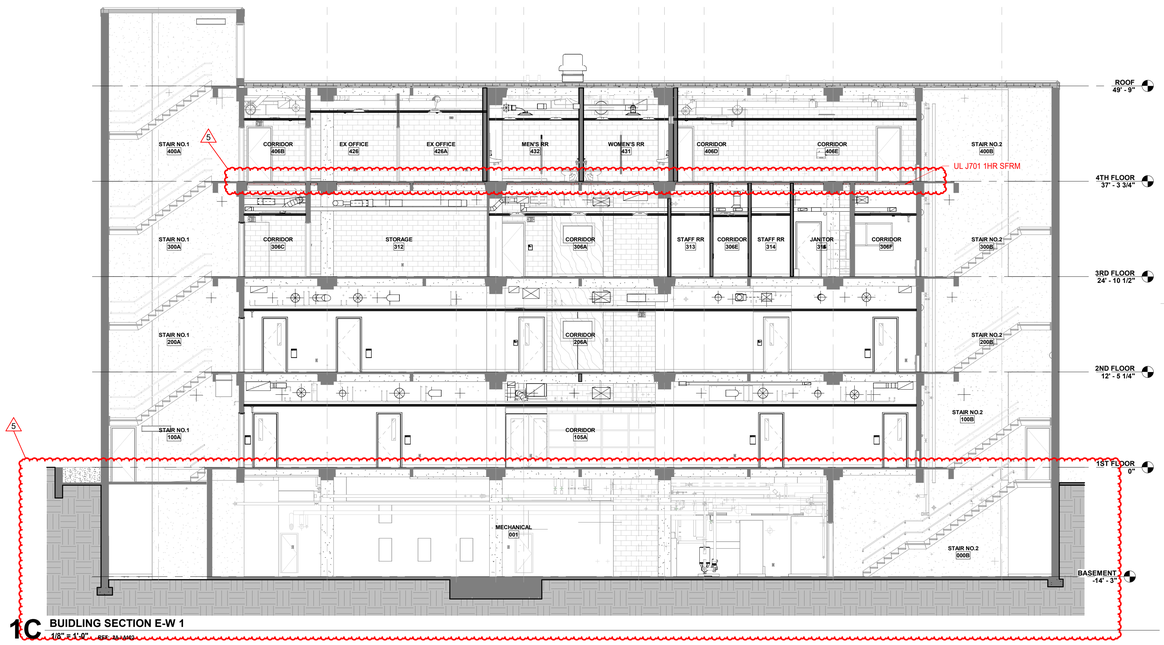
4E TYP. SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT FOURTH FLOOR
1" = 1'-0"



1E BUIDLING SECTION E-W 4
1/8" = 1'-0" REF: 2A / A111



4C BUIDLING SECTION N-S 2
1/8" = 1'-0" REF: 2A / A102



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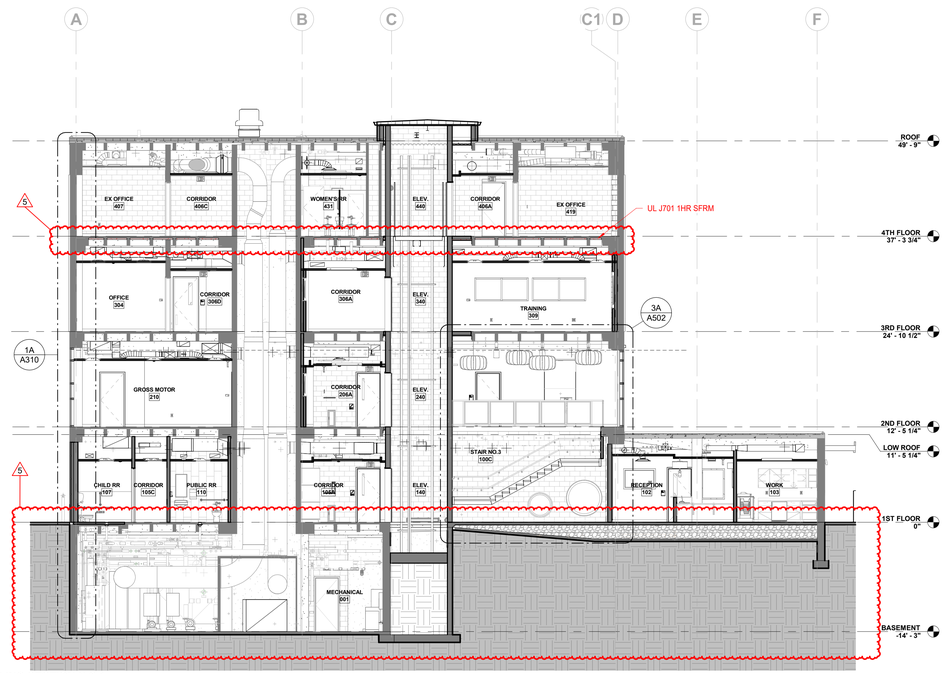
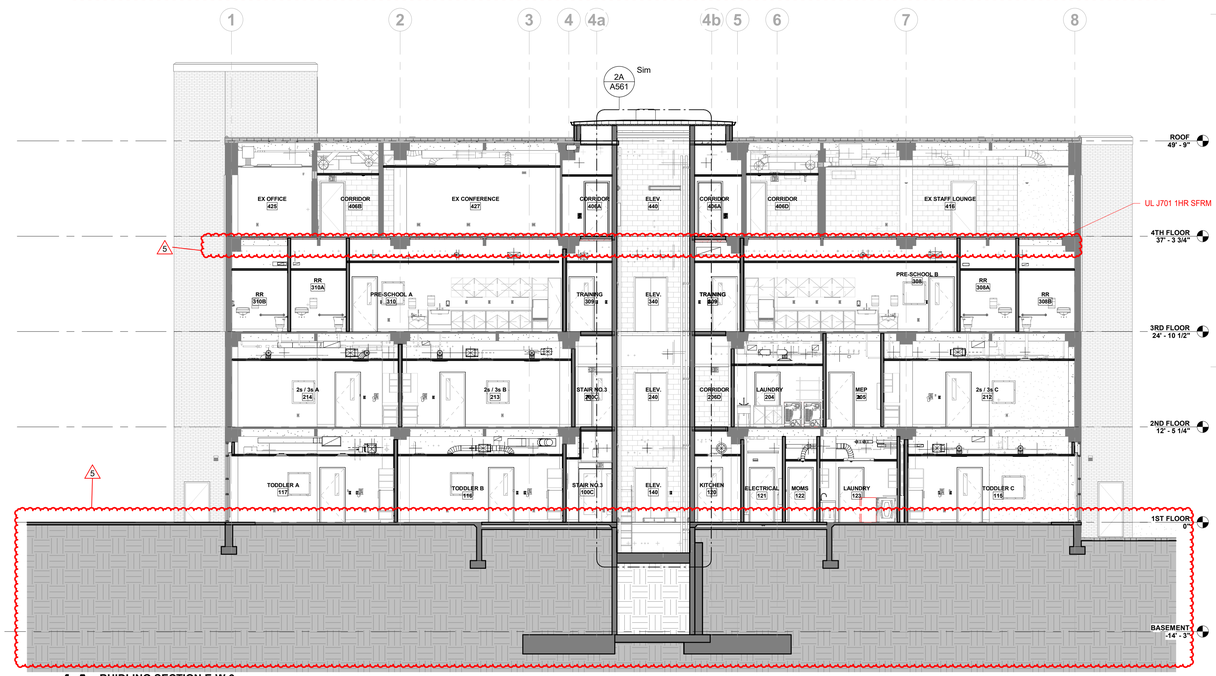


4A BUIDLING SECTION N-S 1
1/8" = 1'-0" REF: 2A / A102



1A BUIDLING SECTION E-W 3
1/8" = 1'-0" REF: 2A / A111

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△ REVISIONS:

3 06.14.2024 ADDENDUM 3
5 06.21.2024 ADDENDUM 5

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DRAWING TITLE:

BUILDING SECTIONS

DRAWING NUMBER:

A301

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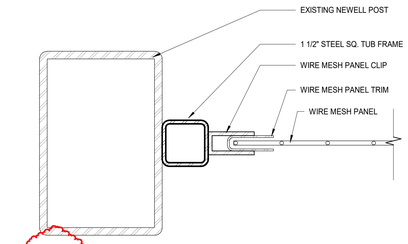
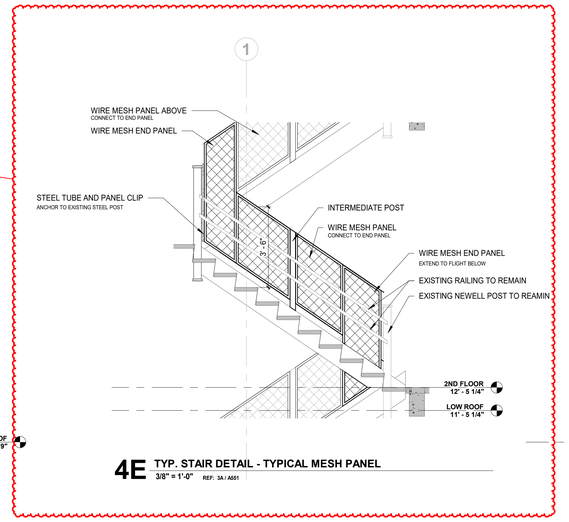
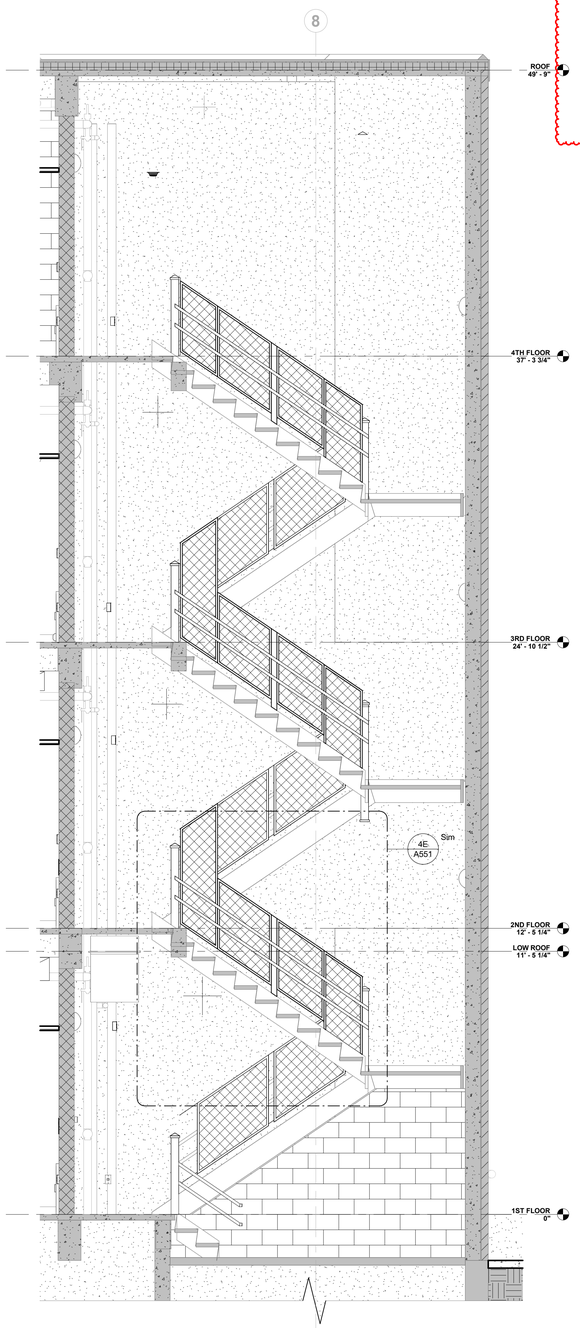


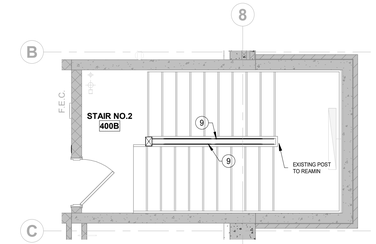
6E GUARD FRAME DETAIL - EXISTING STAIRS
3" = 1'-0"



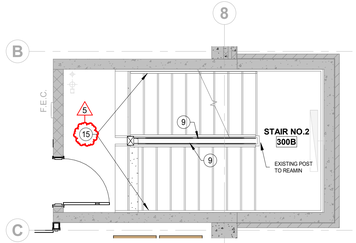
4E TYP. STAIR DETAIL - TYPICAL MESH PANEL
3/8" = 1'-0" REF: 3A / A551



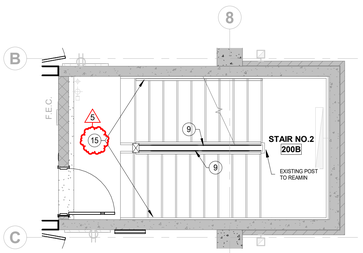
5A STAIR SECTION
3/8" = 1'-0"



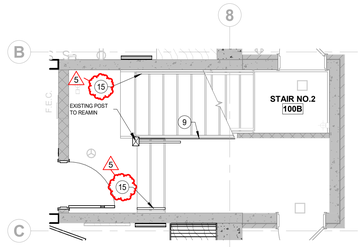
4D EXISTING ENLARGED PLAN - STAIR 2 FOURTH FLOOR
1/4" = 1'-0" REF: 2C / A112



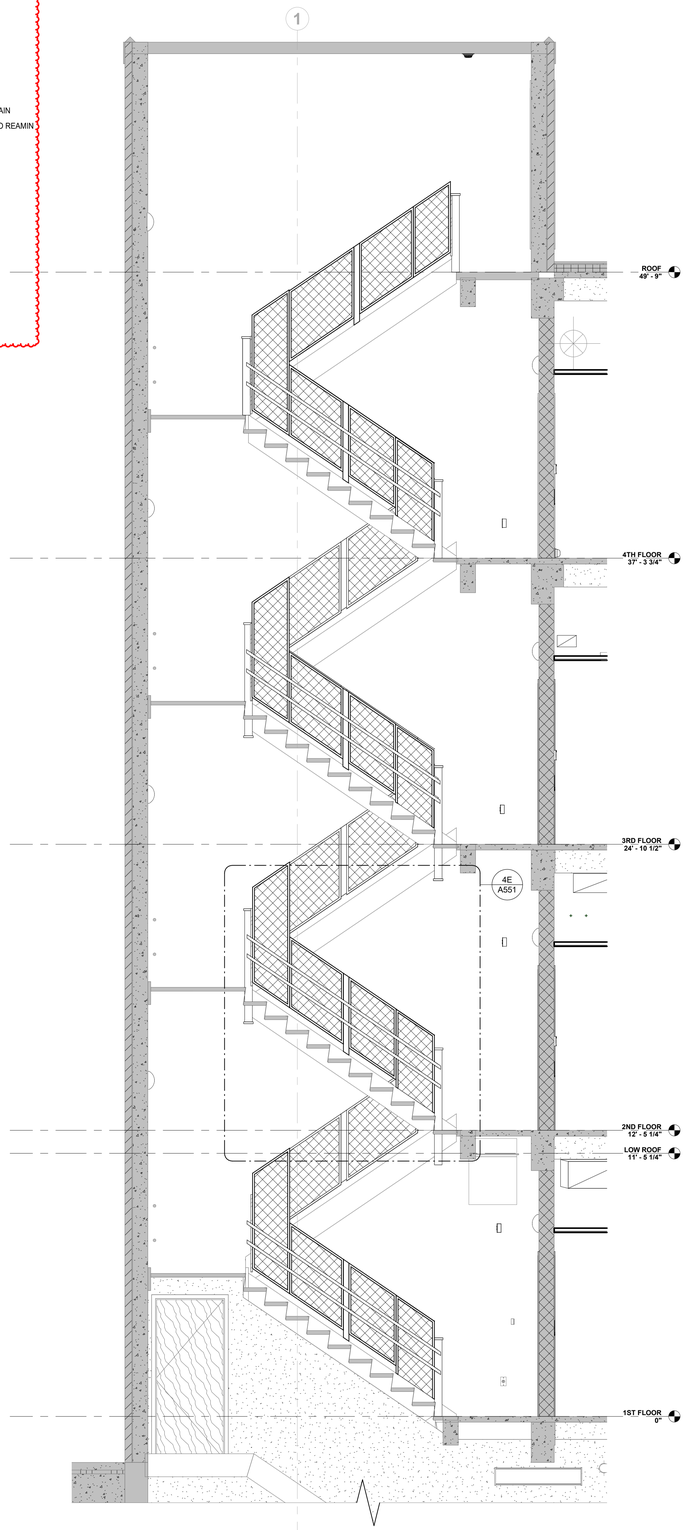
4C EXISTING ENLARGED PLAN - STAIR 2 THIRD FLOOR
1/4" = 1'-0" REF: 2A / A112



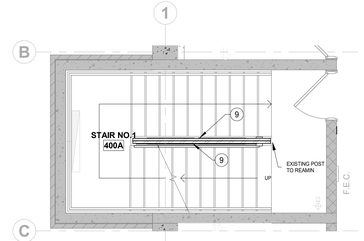
4B EXISTING ENLARGED PLAN - STAIR 2 SECOND FLOOR
1/4" = 1'-0" REF: 2C / A111



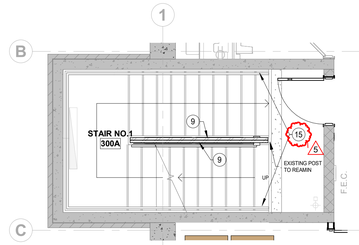
4A EXISTING ENLARGED PLAN - STAIR 2 FIRST FLOOR
1/4" = 1'-0" REF: 2A / A111



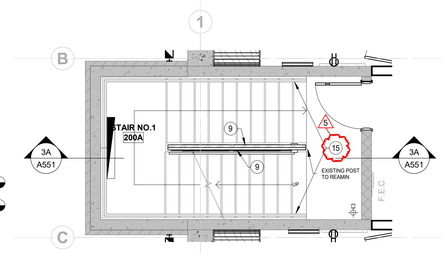
3A STAIR SECTION
3/8" = 1'-0" REF: 1B / A551



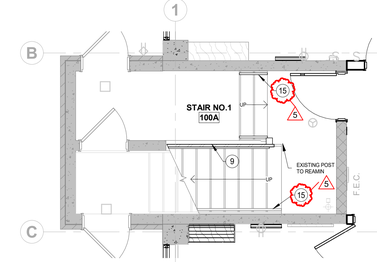
1D EXISTING ENLARGED PLAN - STAIR 1 FOURTH FLOOR
1/4" = 1'-0" REF: 2A / A112



1C EXISTING ENLARGED PLAN - STAIR 1 THIRD FLOOR
1/4" = 1'-0" REF: 2A / A122



1B EXISTING ENLARGED PLAN - STAIR 1 SECOND FLOOR
1/4" = 1'-0" REF: 2C / A111



1A EXISTING ENLARGED PLAN - STAIR 1 FIRST FLOOR
1/4" = 1'-0"

GENERAL NOTES: ARCHITECTURAL PLANS

A. REFERENCE SHEET A010 FOR INTERIOR WALL TYPES INDICATED BY WALL TYPE TAGS.
B. REFERENCE SHEET A010 FOR EXTERIOR WALL TYPES INDICATED BY WALL TYPE TAGS.
C. REFERENCE SHEET A110 SERIES FOR DIMENSION PLANS.
D. REFERENCE SHEET A150 SERIES FOR INTERIOR FINISH PLANS.
E. SEE SHEET A150 "INTERIOR FINISH LEGEND" AND ROOM FINISH SCHEDULE FOR FINISHES SUCH AS FLOORING, PAINT OR COVERINGS APPLIED TO WALL AND FLOOR CONSTRUCTION.

PLAN NOTES - DIMENSION PLAN

1 ALIGN CENTERLINE OF METAL STUD FRAMING WITH CENTERLINE OF EXISTING COLUMN.
2 ALIGN FINISH FACE OF WALL WITH FACE OF EXSITING CONSTRUCTION.
3 ALIGN FACE OF STUD WITH FACE OF EXISTING CONSTRUCTION.
4 CRIB DIVIDERS - FLOOR & CEILING ANCHORED. REFER TO DETAILS ON SHEET A451 FOR ADDITIONAL INFORMATION. SEE ALTERNATES FOR ALTERNATE BIDS ASSOCIATE WITH CRIB DIVIDERS.
5 NEW S.O.G. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6 INFILL EXISTING OPENING WITH CMU. MATCH ADJACENT BOND PATTERN. PROVIDE BULL-NOSED CORNERS IF PRESENT.
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9 WIRE MESH INFILL PANEL. REFER TO DETAILS ON SHEET A551.
10 SEE SPECIFICATIONS FOR ALTERNATE BIDS AFFECTING THIS CLASSROOM DEMISING WALL TYPE. BASE BID: PROVIDE WALL TYPE S4.1i. ALTERNATE BID: PROVIDE WALL TYPE S4.4i.
11 MAINTAIN EXISTING 2-HR FIRE RESISTIVE SHAFT WALL CONSTRUCTION.
12 SEE ALTERNATES FOR ALTERANATE BIDS THAT INCLUDE NEW FINISHES AT THE FOURTH FLOOR. REF. A152 - INTERIOR FINISH PLANS - 3RD & 4TH FLOORS FOR ALTERNATE FINISH LOCATIONS / EXTENTS.
13 INFILL EXISTING OPENING WITH CMU AND BRICK. TOOTH IN NEW BRICK TO MATCH EXISTING COURSING.
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15 NEW CONT. 1 1/2" DIA. PAINTED STEEL PIPE / TUBE HANDRAIL AT CHILDRENS HEIGHT, MOUNTED TO CONCRETE WALL BELOW EXISTING ADULT HANDRAIL. REF. SHEET A506 FOR HEIGHT OF CHILDREN'S HANDRAIL.

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5 06.21.2024 ADDENDUM 5

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DRAWN BY:
GAM

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EXISTING ENLARGED STAIR PLANS AND DETAILS

DRAWING NUMBER:
A551

TRUE NORTH

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