

AMENDMENT ACKNOWLEDGMENT

AMENDMENT NO. 1

Dated: 6/15/22

NOTICE

It is the sole responsibility of the sellers to ensure that it has received any and all Amendments and the PRA may in his/her sole discretion reject any bid for which all Amendments have not been executed and returned.

PROPOSAL FOR

Project No.: 20-20-4897-01

Description: Zone 5 Garage Renovations

IS AMENDED AS FOLLOWS:

1. Amendments will be posted to the PHDC website. Each Seller shall ascertain that Seller has received all Amendments issued and shall acknowledge their receipt with their Bid Proposal.
2. Division 0 – Bidding & Contract Requirements, Section 00410, “Bid Proposal Form” (Attached). Please complete and submit with Bid Proposal.
3. Please be sure to include Division 1 – General Conditions, Section 012200, “Unit Prices” (Attached) with your Bid Proposal
4. The following are the modifications to the Contract Specifications:
 - A. Section 000110 Table of Contents:
 1. Section 012300 Alternates has been added.
 - B. Section 042000 Unit Masonry:
 1. Sub-Section 2.8.C.(3) Mortar parge coat type added.
 2. Sub-Section 3.11 Parging added.
5. The following are the modifications to the Contract Drawings:
 - A. Drawing CS1.0:
 1. Update Site Diagram to show staging area and notes about work restrictions.
 - B. Drawing EX3.0:
 1. Update Elevation #3/EX3.0 to include existing protruding metal at existing stucco/ parging patch, two locations.
 - C. Drawing AD3.0:
 1. Update Elevation #2/AD3.0 to clarify existing light fixture is to remain and surface mounted conduit is to be removed and replaced with new conduit.

2. Update Elevation #3/AD3.0 to include Base Bid work and Alternate 1 work associated with existing protruding metal at stucco/ parging patch, two locations.
 3. Update Elevation #3/AD3.0 to clarify existing light fixture is to remain and surface mounted conduit is to be removed and replaced with new.
- D. Drawing AD3.1:**
1. Update Elevation #3/AD3.1 to clarify existing light fixture is to be removed and reinstalled to accommodate brick work. Conduit is to be removed and replaced with new conduit.
- E. Drawing A3.0:**
1. Update Elevation #2/A3.0 to clarify surface mounted conduit is new.
 2. Update Elevation #3/A3.0 to clarify surface mounted conduit is new and existing light fixture is existing.
 3. Update Elevation #3/A3.0 to include Base Bid work and Alternate 1 work associated with existing protruding metal, two locations.
 4. Add New Brick Alternate 1 hatch to hatch legend.
- F. Drawing A3.1:**
1. Update Elevation #3/A3.1 to clarify existing light fixture is reinstalled and surface mounted conduit is new.
- G. Drawing ED-1:**
1. Update Plan #1/ED-1 to clarify two light fixtures are existing to remain.
 2. Update Plan #1/ED-1 to clarify one light fixture is removed and reinstalled to accommodate brick work.
 3. Update Note ED1 to remove language about salvaging existing conduit
 4. Update Note ED2 to clarify that existing light is to be removed and reinstalled to accommodate brick work.
 5. Add Note ED9 to clarify that existing light is to remain, and that vertical conduit associated with the existing light to remain is to be removed.
 6. Add Note ED10 to clarify junction box is to be removed.
- H. Drawing E-1:**
1. Update Plan #1/E-1 to clarify existing light fixture that is reinstalled after brick work is complete.
 2. Update Plan #1/E-1 to show new junction box and existing light fixture that is to remain.
 3. Update Note E1 to clarify that new conduits, wiring and accessories are to be installed.
 4. Update Note E2 to clarify that existing light is to be reinstalled after brick work is complete.
 5. Add Note E8 to clarify that new vertical conduit, wiring and accessories are to be installed after brick work is complete.
 6. Add Note E9 to clarify that new junction box, wiring and accessories are to be installed after brick work is complete.
 7. Add Note "Electrical Plan General Notes"
 8. Delete light fixture schedule.

6. Please see attached supplemental information:

A. DPP Zone 5 Suggested Structural Repairs

***Bidder must acknowledge receipt of Amendments with signature and date below
and return to PRA with their Bid Proposal.***

Signature _____ ***Date*** _____

SECTION 00410
PRICING & ALLOWANCES

To the PHILADELPHIA REDEVELOPMENT AUTHORITY (PRA):

I, the undersigned Seller, hereby propose to furnish all the labor, materials and equipment, perform the whole of the work, and submit to all conditions, as represented, intended and implied, both particularly and generally, by the Plans, Special Specifications, Standard Specifications, Standard Details, Standard Contract Requirements, Form of Agreement, the Ordinance authorizing the work and this bid at the prices herein stated, and agrees that each item bid shall be complete in itself, and the PRA may increase or diminish the amount of work thereunder, or omit the item without invalidating the unit price bid for it or any other item, on the following terms to wit:

BID AMOUNT

I will complete the Work in accordance with the Contract Documents for the following Bid Amount as defined in Section 007200, Standard Contract Requirements.

(1) BASE BID AMOUNT \$_____

(2) ALLOWANCE No. 1 Bidders are to include the amount equal to Two Percent (2%) of their base bid amount for payment of Permit fees to all regulatory agencies. Refer to Allowances, Section 012100 for more details.

ALLOWANCE AMOUNT \$_____

TOTAL BASE BID (Base Bid plus Allowances):

\$_____

SECTION 012200
UNIT PRICES

*Unit Prices submitted with this bid will be utilized by the PRA/City for **additional work (change orders)** not otherwise specified in this bid due to unforeseen conditions not known at the time of contract award. The PRA/City reserves the right to negotiate or otherwise bid additional work items in the event the Unit Prices submitted with this bid are not competitive. Unit Prices shall include all associated costs such as material, delivery, installation, applicable permit fees, taxes, bonds, overhead and/or profit, etc.*

Unit Prices Must be submitted with Contractor's Bid.

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. This Section identifies Unit Prices and describes the method of pricing the change in quantity of the item of work for which the price is stated. Unit prices may be used to price additions and subtractions to the contract amount.

1.2 RELATED REQUIREMENTS SPECIFIED ELSEWHERE

- A. Applicable provisions of Bidding Requirements, Contract Requirements in Division 0 and all applicable Division 1 sections.
- B. Field Engineering - Division 1.
- C. Referenced Section of Specifications stipulate pertinent requirements for products and methods to achieve the work required for each Unit Price.

1.3 SUBMITTALS

- A. Submit completed Schedule of Unit Prices not later than 15 days after the Notice to Proceed.

1.4 SCHEDULE OF UNIT PRICES

- A. Payment for additional work and credit for deductions in work caused by modifications to the Contract, shall be computed in accordance with the following Schedule of Unit Prices, which schedule shall remain in effect until all Work of the Contract has been completed and accepted.
- B. The Unit Prices shall be firm lump sums all-inclusive cost of the materials, work, layout, drafting, balancing, testing, tools, sundries, scaffolding, trucking, transportation, cleaning, supervision, overhead, profit, and any and all other costs for each of the items listed.
- C. The calculations for determining the number of units of work shall be of actual surface, volume, length, hours or number of individual items listed for the class of work, complete in place and accepted or omitted. No allowance for waste, loss, breakage, damage, or difficulties shall be made.
- D. Determination of number of units of work for work performed under Division 2 specification sections is specified in Field Engineering.

SECTION 012200

UNIT PRICES

- E. Number of units of work for all other work will be determined by Contractor. The PRA/City reserves the right to independently verify units of Work.

1.4 UNIT PRICE SCHEDULE

	PRODUCT	UNIT OF MEASURE	UNIT PRICE
1.	Brick Replacement: Removal and replacement of brick, not otherwise indicated in the Contract Documents.	Square foot of brick replaced in one full 8-hour workday	\$
2.	Masonry Repointing: Raking and tuckpointing missing or damaged mortar, not otherwise indicated in the Contract Documents.	Linear Feet of mortar joint repointed in one full 8-hour workday	
3.	Cleaning and painting of miscellaneous steel with Carbomastic 15 or equal.	Square feet of surface area to be painted in one full 8-hour work day.	
4.	New Shelf Angles at Locations without Shelf Angles: Includes the removal and replacement of brick infill to attached new brackets to existing steel beam and new flashing.	Linear Feet of galvanized shelf angle and related work in one full 8-hour workday	
5.	Masonry Opening Infill: Infill of existing masonry openings w/ exterior grade plywood clad in sheet metal over 2 ½", 25gauge, galvanized metal framing	Square foot of area to be infilled in one full 8-hour workday.	

-END-

GENERAL SECTION 042000

UNIT MASONRY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

1. Brick.
2. Mortar and grout materials.
3. Reinforcement.
4. Ties and anchors.
5. Embedded flashing.
6. Accessories.
7. Mortar and grout mixes.

- B. Related Requirements:

1. Section 040120.63 "Brick Masonry Repair" for retrofitted expansion joints.
2. Section 076200 "Sheet Metal Flashing and Trim".
3. Section 079200 "Joint Sealants".

1.3 UNIT PRICES

- A. Work of this Section is affected by unit prices specified in Section 012200 "Unit Prices."

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type and color of exposed masonry unit and colored mortar.

1.5 INFORMATIONAL SUBMITTALS

- A. Material Certificates: For each type and size of product and for masonry units, include data on material properties.
- B. Mix Designs: For each type of mortar. Include description of type and proportions of ingredients.

1. Include test reports for mortar mixes required to comply with property specification. Test in accordance with ASTM C109/C109M for compressive strength, ASTM C1506 for water retention, and ASTM C91/C91M for air content.

1.6 FIELD CONDITIONS

- A. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in TMS 602.
- B. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in TMS 602.

PART 2 - PRODUCTS

2.1 UNIT MASONRY, GENERAL

- A. Masonry Standard: Comply with TMS 602, except as modified by requirements in the Contract Documents.
- B. Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated. Do not use units where such defects are exposed in the completed Work.

2.2 BRICK

- A. General: Provide shapes indicated and as follows, with exposed surfaces matching finish and color of exposed faces of existing adjacent units:
 1. For ends of sills and caps and for similar applications that would otherwise expose unfinished brick surfaces, provide units without cores or frogs and with exposed surfaces finished.
 2. Provide special shapes for applications where shapes produced by sawing would result in sawed surfaces being exposed to view.
- B. Clay Face Brick: Facing brick complying with ASTM C216, Grade SW, Type FBS.
- C. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Belden Brick Company (The).
 2. Acme Brick Company.
 3. Glen-Gery Corporation.
 4. Initial Rate of Absorption: Less than 30 g/30 sq. in. per minute when tested in accordance with ASTM C67/C67M.

5. Efflorescence: Provide brick that has been tested in accordance with ASTM C67/C67M and is rated "not effloresced."
6. Size (Actual Dimensions): 3-5/8 inches wide by 2-1/4 inches high by 7-5/8 inches long.

2.3 MORTAR MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I or II, except Type III may be used for cold-weather construction. Provide natural color or white cement as required to produce mortar color indicated.
 1. Alkali content will not be more than 0.1 percent when tested in accordance with ASTM C114.
- B. Hydrated Lime: ASTM C207, Type S
- C. Portland Cement-Lime Mix: Packaged blend of portland cement and hydrated lime containing no other ingredients.
- D. Masonry Cement: ASTM C91/C91M.
- E. Aggregate for Mortar: ASTM C144 masonry sand of color necessary to produce required mortar color.
- F. Cold-Weather Admixture: Nonchloride, noncorrosive, accelerating admixture complying with ASTM C494/C494M, Type C, and recommended by manufacturer for use in masonry mortar of composition indicated.
- G. Water: Potable.

2.4 REINFORCEMENT

- A. Masonry-Joint Reinforcement for Veneers Anchored with Seismic Masonry-Veneer Anchors: Single 0.187-inch-diameter, stainless steel continuous wire.

2.5 TIES AND ANCHORS

- A. General: Ties and anchors extend at least 1-1/2 inches into veneer but with at least a 5/8-inch cover on outside face.
- B. Materials: Provide ties and anchors specified in this article that are made from materials that comply with the following unless otherwise indicated:
 1. Hot-Dip Galvanized, Carbon-Steel Wire: ASTM A1064/A1064M, with ASTM A153/A153M, Class B-2 coating.
 2. Stainless Steel Wire: ASTM A580/A580M, Type 304.
 3. Steel Sheet, Galvanized after Fabrication: ASTM A1008/A1008M, Commercial Steel, with ASTM A153/A153M, Class B coating.
 4. Stainless Steel Sheet: ASTM A240/A240M or ASTM A666, Type 304.
 5. Steel Plates, Shapes, and Bars: ASTM A36/A36M.

- C. Adjustable Anchors for Connecting to Structural Steel Framing: Provide anchors that allow vertical or horizontal adjustment but resist tension and compression forces perpendicular to plane of wall.
1. Anchor Section for Welding to Steel Frame: Crimped 1/4-inch-diameter, stainless steel wire.
 2. Tie Section: Triangular-shaped wire tie made from 0.25-inch-diameter, stainless steel wire.
- D. Adjustable Masonry-Veneer Anchors:
1. General: Provide anchors that allow vertical adjustment but resist a 100 lbf load in both tension and compression perpendicular to plane of wall without deforming or developing play in excess of 1/16 inch.
 2. Fabricate sheet metal anchor sections and other sheet metal parts from 0.1094-inch-thick, stainless steel sheet.
 3. Fabricate wire ties from 0.25-inch-diameter, stainless steel wire unless otherwise indicated.

2.6 EMBEDDED FLASHING

- A. Metal Flashing: Provide metal flashing complying with SMACNA's "Architectural Sheet Metal Manual" and as follows:
1. Stainless Steel: ASTM A240/A240M or ASTM A666, Type 304, 0.016 inch thick.
 2. Fabricate continuous flashings in sections 96 inches long minimum, but not exceeding 12 ft.. Provide splice plates at joints of formed, smooth metal flashing.
 3. Fabricate metal drip edges from stainless steel. Extend at least 3 inches into wall and 1/2 inch out from wall, with outer edge bent down 30 degrees and hemmed.
 4. Fabricate metal sealant stops from stainless steel. Extend at least 3 inches into wall and out to exterior face of wall. At exterior face of wall, bend metal back on itself for 3/4 inch and down into joint 1/4 inch to form a stop for retaining sealant backer rod.
- B. Flexible Flashing: Use the following unless otherwise indicated:
1. Elastomeric Thermoplastic Flashing: Composite flashing product consisting of a polyester-reinforced ethylene interpolymer alloy.
 - a. Products: Subject to compliance with requirements, provide one of the following:
 - 1) Hohmann & Barnard, Inc; Flex-Flash.
 - 2) Hyload; IKO Industries, Inc.; Hyload Cloaked Flashing System.
 - 3) Mortar Net Solutions; Total Flash.
 - 4) Wire-Bond; Rhino Bond Flashing #4123.
- C. Drip Plate: Fabricate metal drip edges from stainless steel Type 304 26 gauge. Extend at least 3 inches into wall and 1/2 inch out from wall, with outer edge bent down 30 degrees. Attach drip plate to flashing membrane to divert moisture away from masonry wall.

- D. Solder and Sealants for Sheet Metal Flashings: As specified in Section 076200 "Sheet Metal Flashing and Trim."
- E. Adhesives, Primers, and Seam Tapes for Flashings: Flashing manufacturer's standard products or products recommended by flashing manufacturer for bonding flashing sheets to each other and to substrates.
- F. Termination Bars for Flexible Flashing, Flanged: Stainless steel sheet Type 304 26 gauge by 1-1/8 inches with a 3/8-inch flange at top.
- G. Include pre-formed three-dimensional shapes as necessary for corners, level changes and end dams.

2.7 ACCESSORIES

- A. Compressible Filler: Pre-molded filler strips complying with ASTM D1056, Grade 2A1; compressible up to 35 percent; of width and thickness indicated; formulated from neoprene, urethane, or PVC.
- B. Bond-Breaker Strips: Asphalt-saturated felt complying with ASTM D226/D226M, Type I (No. 15 asphalt felt).
- C. Weep/Cavity Vents: Use the following unless otherwise indicated:
 - 1. Cellular Plastic Weep/Vent: One-piece, flexible extrusion made from UV-resistant polypropylene copolymer, full height and width of head joint and depth 1/8 inch less than depth of outer wythe, in color selected from manufacturer's standard.
 - a. Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to the following:
 - 1) Advanced Building Products Inc.: Mortar Maze Weep Vents
 - 2) Heckmann Building Products, Inc. Cell Vent 85
 - 3) Hohmann & Barnard, Inc. Quadro-Vent
- D. Cavity Drainage Material: Free-draining mesh, made from polymer strands that will not degrade within the wall cavity.
 - 1. Mortar Deflector: Strips, full depth of cavity and 10 inches high, with dovetail-shaped notches that prevent clogging with mortar droppings.
 - a. Products: Subject to compliance with requirements, provide one of the following:
 - 1) Advanced Building Products Inc.; Mortar Break DT.
 - 2) Hohmann & Barnard, Inc; Mortar Trap.
 - 3) Mortar Net Solutions; Wall Defender.
- E. Movement joint reinforcement at new brick: Use the following unless otherwise indicated:

1. Expansion Joint Stabilizer: multi-piece component with sleeves and connecting rods made of grade 304 stainless steel rods and slide tubes of either grade 304 stainless steel or PVC.

- a. Manufacturers: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to the following:

- 1) Prosoco. Expansion Joint Stabilizer
- 2) Hohmann & Barnard, Inc. Slip-Set Stabilizer

F. Proprietary Acidic Masonry Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar/grout stains, efflorescence, and other new construction stains from new masonry without discoloring or damaging masonry surfaces. Use product expressly approved for intended use by cleaner manufacturer and manufacturer of masonry units being cleaned.

2.8 MORTAR MIXES

A. General: Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other admixtures unless otherwise indicated.

1. Do not use calcium chloride in mortar or grout.
2. Add cold-weather admixture (if used) at same rate for all mortar that will be exposed to view, regardless of weather conditions, to ensure that mortar color is consistent.

B. Preblended, Dry Mortar Mix: Furnish dry mortar ingredients in form of a preblended mix. Measure quantities by weight to ensure accurate proportions, and thoroughly blend ingredients before delivering to Project site.

C. Mortar for Unit Masonry: Comply with ASTM C270, Proportion Specification. Provide the following types of mortar for applications stated unless another type is indicated.

1. For masonry below grade or in contact with earth, use Type M.
2. For exterior, above-grade, load-bearing, nonload-bearing walls, and parapet walls; for interior load-bearing walls; for interior nonload-bearing partitions; and for other applications where another type is not indicated, use Type N.
3. For mortar parge coats, use Type N.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to fit adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting

of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.

- B. Select and arrange units for exposed unit masonry to produce a uniform blend of colors and textures. Mix units from several pallets or cubes as they are placed.
- C. Wetting of Brick: Wet brick before laying if initial rate of absorption exceeds 30 g/30 sq. in. per minute when tested in accordance with ASTM C67/C67M. Allow units to absorb water so they are damp but not wet at time of laying.

3.2 TOLERANCES

A. Dimensions and Locations of Elements:

- 1. For dimensions in cross section or elevation, do not vary by more than plus 1/2 inch or minus 1/4 inch.
- 2. For location of elements in plan, do not vary from that indicated by more than plus or minus 1/2 inch.
- 3. For location of elements in elevation, do not vary from that indicated by more than plus or minus 1/4 inch in a story height or 1/2 inch total.

B. Lines and Levels:

- 1. For bed joints and top surfaces of bearing walls, do not vary from level by more than 1/4 inch in 10 ft., or 1/2-inch maximum.
- 2. For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not vary from level by more than 1/8 inch in 10 ft., 1/4 inch in 20 ft., or 1/2-inch maximum.
- 3. For vertical lines and surfaces, do not vary from plumb by more than 1/4 inch in 10 ft., 3/8 inch in 20 ft., or 1/2-inch maximum.
- 4. For conspicuous vertical lines, such as external corners, door jambs, reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch in 10 ft., 1/4 inch in 20 ft., or 1/2-inch maximum.
- 5. For lines and surfaces, do not vary from straight by more than 1/4 inch in 10 ft., 3/8 inch in 20 ft., or 1/2-inch maximum.
- 6. For vertical alignment of exposed head joints, do not vary from plumb by more than 1/4 inch in 10 ft., or 1/2-inch maximum.

C. Joints:

- 1. For bed joints, do not vary from thickness indicated by more than plus or minus 1/8 inch, with a maximum thickness limited to 1/2 inch.
- 2. For head and collar joints, do not vary from thickness indicated by more than plus 3/8 inch or minus 1/4 inch.
- 3. For exposed head joints, do not vary from thickness indicated by more than plus or minus 1/8 inch. Do not vary from adjacent bed-joint and head-joint thicknesses by more than 1/8 inch.

3.3 LAYING MASONRY WALLS

- A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.
- B. Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in English bond; do not use units with less-than-nominal 4-inch horizontal face dimensions at corners or jambs.
- C. Built-in Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in items.
- D. Fill space between steel frames and masonry solidly with mortar unless otherwise indicated.

3.4 MORTAR BEDDING AND JOINTING

- A. Lay solid masonry units with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints.
- B. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated.
- C. Cut joints flush for masonry walls to receive plaster or other direct-applied finishes (other than paint) unless otherwise indicated.

3.5 ANCHORED MASONRY VENEERS

- A. Anchor masonry veneers to concrete and masonry backup with seismic masonry-veneer anchors to comply with the following requirements:
 - 1. Fasten seismic anchors to concrete and masonry backup with Tapcon 410 stainless steel, 1/4 inch diameter, hex head screws. Provide 1 inch minimum embedment and 1 3/4 inch maximum embedment. Use two fasteners unless anchor design only uses one fastener.
 - 2. Embed connector sections and continuous wire in masonry joints.
 - 3. Locate anchor sections to allow maximum vertical differential movement of ties up and down.
 - 4. Space anchors as indicated, but not more than 16 inches o.c. vertically and 25 inches o.c. horizontally, with not less than one anchor for each 2.67 sq. ft. of wall area. Install additional anchors within 12 inches of openings and at intervals, not exceeding 36 inches, around perimeter.

3.6 MASONRY-JOINT REINFORCEMENT

- A. General: Install entire length of longitudinal side rods in mortar with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcement a minimum of 6 inches.
 - 1. Space reinforcement not more than 16 inches o.c.
 - 2. Provide reinforcement not more than 8 inches above and below wall openings and extending 12 inches beyond openings in addition to continuous reinforcement.
- B. Interrupt joint reinforcement at control and expansion joints unless otherwise indicated.
- C. Provide continuity at wall intersections by using prefabricated T-shaped units.
- D. Provide continuity at corners by using prefabricated L-shaped units.

3.7 ANCHORING MASONRY TO STRUCTURAL STEEL AND CONCRETE

- A. Anchor masonry to structural steel and concrete, where masonry abuts or faces structural steel or concrete, to comply with the following:
 - 1. Provide an open space not less than 1/2 inch wide between masonry and structural steel or concrete unless otherwise indicated. Keep open space free of mortar and other rigid materials.
 - 2. Anchor masonry with anchors embedded in masonry joints and attached to structure.
 - 3. Space anchors as indicated, but not more than 24 inches o.c. vertically and 36 inches o.c. horizontally.

3.8 FLASHING, WEEP HOLES, AND CAVITY VENTS

- A. General: Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, other obstructions to downward flow of water in wall, and where indicated. Install cavity vents at shelf angles, ledges, and other obstructions to upward flow of air in cavities, and where indicated.
- B. Install flashing as follows unless otherwise indicated:
 - 1. Prepare masonry surfaces so they are smooth and free from projections that could puncture flashing. Where flashing is within mortar joint, place through-wall flashing on sloping bed of mortar and cover with mortar. Before covering with mortar, seal penetrations in flashing with adhesive, sealant, or tape as recommended by flashing manufacturer.
 - 2. At multiwythe masonry walls, including cavity walls, extend flashing through outer wythe, turned up a minimum of 4 inches or as high as feasible.
 - 3. At lintels and shelf angles, extend flashing as high as possible and turn ends up not less than 2 inches to form end dams.
 - 4. Install metal drip edges beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall, and adhere flexible flashing to top of metal drip edge.

5. Install metal flashing termination beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall, and adhere flexible flashing to top of metal flashing termination.
- C. Install weep holes in exterior wythes and veneers in head joints of first course of masonry immediately above embedded flashing.
1. Use specified weep/cavity vent products to form weep holes.
 2. Space weep holes 24 inches o.c. unless otherwise indicated.
 3. Cover cavity side of weep holes with plastic insect screening at cavities insulated with loose-fill insulation.
- D. Place cavity drainage material in cavities to comply with configuration requirements for cavity drainage material in "Accessories" Article.

3.9 REINFORCED UNIT MASONRY

- A. Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.
1. Construct formwork to provide shape, line, and dimensions of completed masonry as indicated. Make forms sufficiently tight to prevent leakage of mortar and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
 2. Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and that of other loads that may be placed on them during construction.
- B. Placing Reinforcement: Comply with requirements in TMS 602.

3.10 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections. Allow inspectors access to scaffolding and work areas as needed to perform tests and inspections. Retesting of materials that fail to comply with specified requirements will be at Contractor's expense.
- B. Inspections: Special inspections in accordance with Level 2 in TMS 402.
1. Begin masonry construction only after inspectors have verified proportions of site-prepared mortar.
 2. Place grout only after inspectors have verified compliance of grout spaces and of grades, sizes, and locations of reinforcement.
 3. Place grout only after inspectors have verified proportions of site-prepared grout.
- C. Testing Prior to Construction: One set of tests.
- D. Testing Frequency: One set of tests for each 5000 sq. ft. of wall area or portion thereof.
- E. Clay Masonry Unit Test: For each type of unit provided, in accordance with ASTM C67/C67M for compressive strength.

- F. Mortar Aggregate Ratio Test (Proportion Specification): For each mix provided, in accordance with ASTM C780.
- G. Mortar Test (Property Specification): For each mix provided, in accordance with ASTM C780. Test mortar for mortar air content and compressive strength.
- H. Grout Test (Compressive Strength): For each mix provided, in accordance with ASTM C1019.

3.11 PARGING

- A. Parge exterior faces of masonry walls, where indicated, in two uniform coats to a total thickness of 3/4 inch (19 mm). Dampen wall before applying first coat, and scarify first coat to ensure full bond to subsequent coat.
- B. Use a steel-trowel finish to produce a smooth, flat, dense surface with a maximum surface variation of 1/8 inch per foot (3.2 mm per 305 mm). Form a wash at top of parging and a cove at bottom.
- C. Damp-cure parging for at least 24 hours and protect parging until cured.

3.12 CLEANING

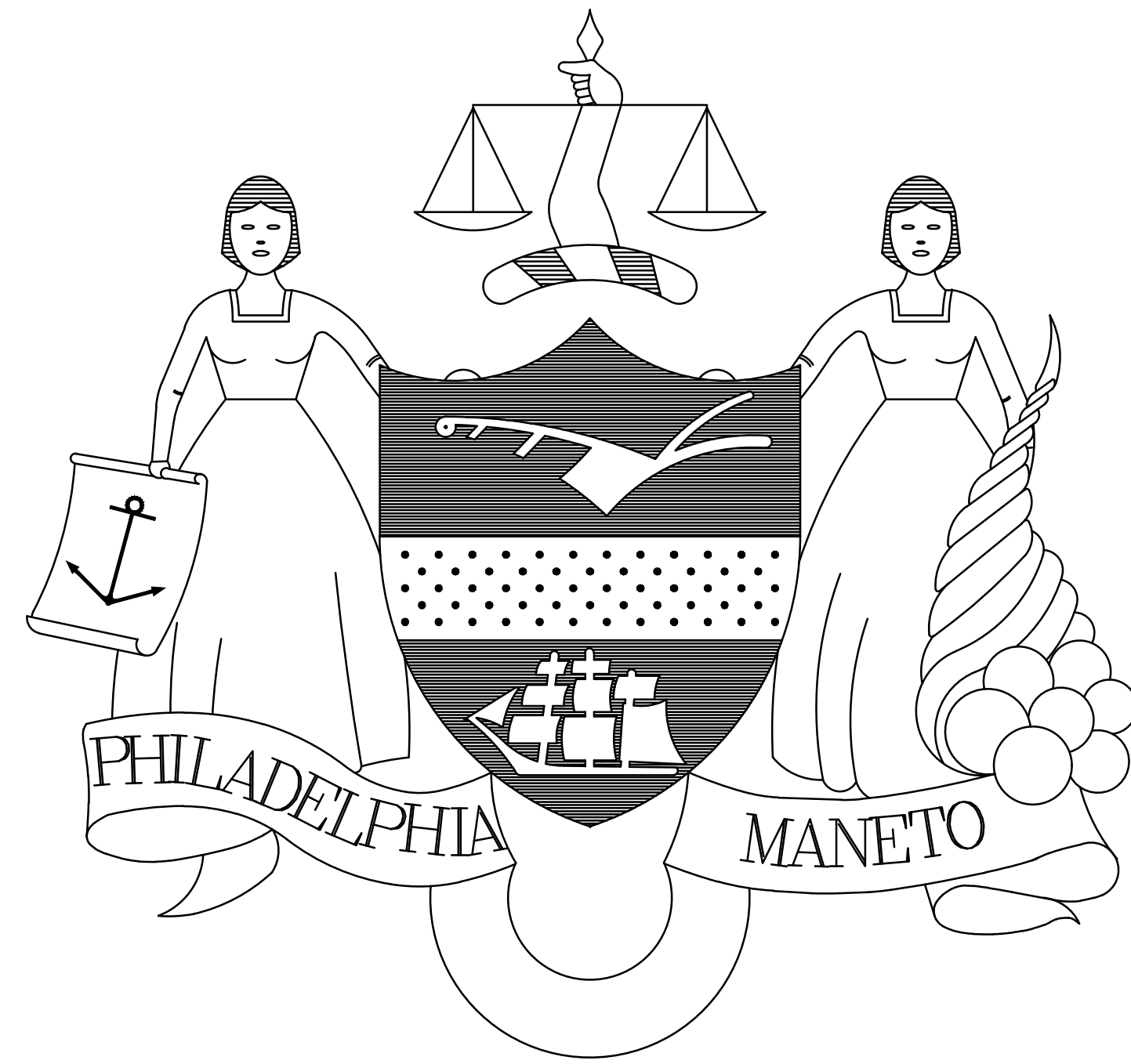
- A. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.
- B. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
 - 1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
 - 2. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of masonry.
 - 3. Protect adjacent stone and non-masonry surfaces from contact with cleaner by covering them with liquid strippable masking agent or polyethylene film and waterproof masking tape.
 - 4. Wet wall surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
 - 5. Clean brick by bucket-and-brush hand-cleaning method described in BIA Technical Notes 20.

3.13 MASONRY WASTE DISPOSAL

- A. Waste Disposal as Fill Material: Dispose of clean masonry waste, including excess or soil-contaminated sand, waste mortar, and broken masonry units, by crushing and mixing with fill material as fill is placed.
 - 1. Do not dispose of masonry waste as fill within 18 inches of finished grade.

- B. Masonry Waste Recycling: Return broken CMUs not used as fill to manufacturer for recycling.
- C. Excess Masonry Waste: Remove excess clean masonry waste that cannot be used as fill, as described above or recycled, and other masonry waste, and legally dispose of off Owner's property.

- END -



CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

MAYOR – JAMES F. KENNEY

MANAGING DIRECTOR – TUMAR ALEXANDER

COMMISSIONER OF PUBLIC PROPERTY – BRIDGET COLLINS-GREENWALD

ZONE 5 GARAGE RENOVATIONS 6666 RIDGE AVENUE PROJECT NO. 20-20-4897-01

ARCHITECT

SEILER & DRURY ARCHITECTURE
420 DEKALB STREET
NORRISTOWN, PA 19401
PHONE NO. 610-272-4809

STRUCTURAL ENGINEER

WZG STRUCTURAL CONSULTING ENGINEERING, INC
180 W. RIDGE PIKE
ROYERSFORD, PA 19468
PHONE NO. 610-831-0555

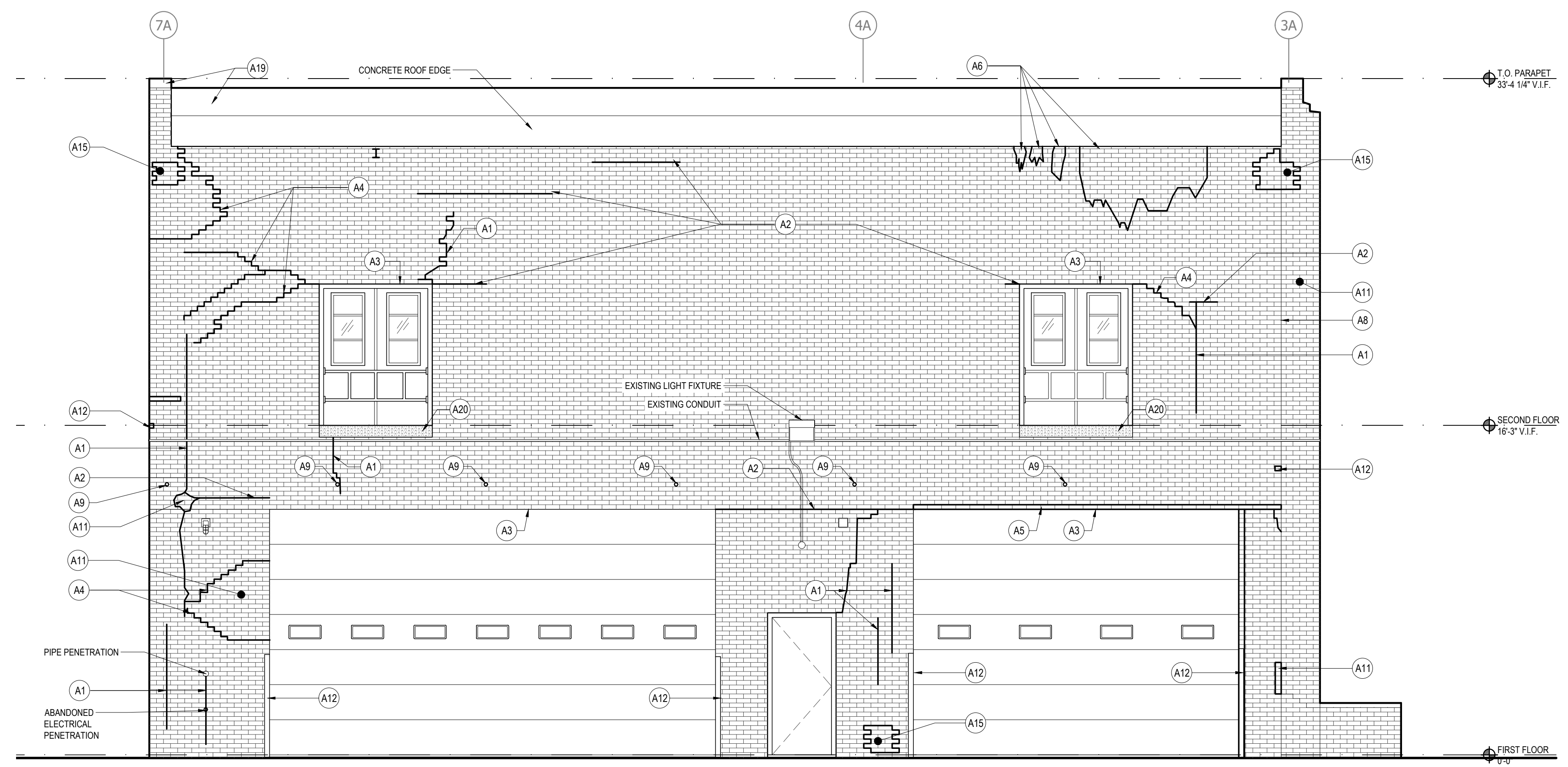
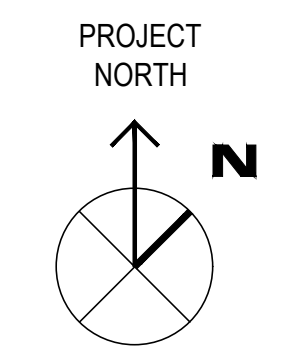
ELECTRICAL ENGINEER

HUTEC ENGINEERING AND CONSULTING
304 MASTER ST., 1ST FLOOR
PHILADELPHIA, PA 19122
PHONE NO. 267-800-3540

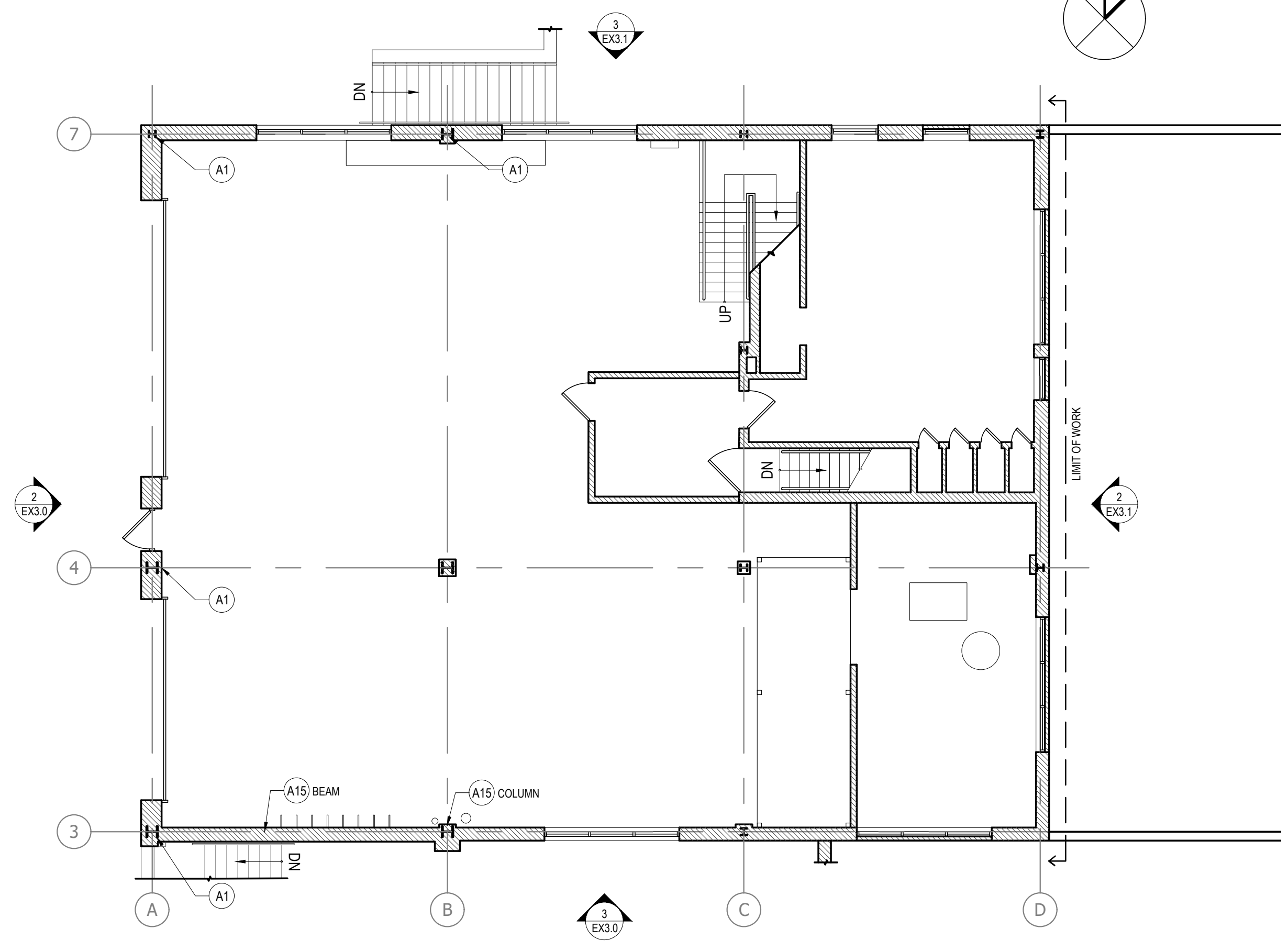
ABBREVIATIONS	SYMBOLS	DRAWING LIST	LOCATION PLAN	PROJECT APPROVED
<p>ABBREVIATIONS</p> <p>AFF ABOVE FINISHED FLOOR APC ACOUSTICAL PANEL CEILING ALUM ALUMINUM ANOD ANODIZED BM BEAM BYON BEYOND CLNG CEILING CLR CLEAR CONC CONCRETE DEMO DEMOLISH DIA DIAMETER EA EACH EL ELEVATION ELEC ELECTRICAL EJ EXPANSION JOINT EJ(R) EXPANSION JOINT, RETROFITTED EQ EQUAL EX EXISTING EXIST EXISTING FIN FINISH FLR FLOOR FRT FIRE RESISTANT TREATED FT FEET GA GAUGE CALV GALVANIZED GWB GYPSUM WALL BOARD HDWR HARDWARE HM HOLLOW METAL HVAC HEATING/VENTILATION/AIR CONDITIONING MAT MATERIAL MAX MAXIMUM MIN MINIMUM MO MASONRY OPENING MTL METAL NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL OC ON CENTER OH OVERHEAD PL PLATE PLAM PLASTIC LAMINATE PLYD PLYWOOD P.T. PRESSURE TREATED PT PAINT OR PAINTED RCP REFLECTED CEILING PLAN REQD REQUIRED REV REVISION RM ROOM SCHED SCHEDULE SIM SIMILAR SOT STRUCTURAL GLAZED TILE SS STAINLESS STEEL STL STEEL TO TOP OF TOB TOP OF BLOCK TYP TYPICAL UC UNDER-COUNTER UNO UNLESS NOTED OTHERWISE VCT VINYL COMPOSITION TILE VF VERIFY IN FIELD W/ WITH WD WOOD</p>	<p>SYMBOLS</p> <p>SECTION TAG DETAIL REFERENCE NUMBER SHEET NUMBER</p> <p>INTERIOR ELEVATION TAG DETAIL REFERENCE NUMBER SHEET NUMBER</p> <p>DOOR TAG - SEE DOOR SCHED</p> <p>ROOM NAME ROOM-NAME</p> <p>ROOM TAG</p> <p>NEW DOOR</p> <p>EXISTING DOOR</p> <p>ITEMS TO BE DEMOLISHED</p> <p>EXISTING CONSTRUCTION</p> <p>NEW CONSTRUCTION</p> <p>EXPANSION JOINT</p>	<p>DRAWING LIST</p> <p>CS1.0 COVER SHEET EX3.0 EXISTING CONDITION EXTERIOR ELEVATIONS EX3.1 EXISTING CONDITION EXTERIOR ELEVATIONS AD3.0 SELECTIVE DEMOLITION EXTERIOR ELEVATIONS AD3.1 SELECTIVE DEMOLITION EXTERIOR ELEVATIONS A3.0 EXTERIOR ELEVATIONS & DETAILS A3.1 EXTERIOR ELEVATIONS & DETAILS A3.2 EXTERIOR ELEVATIONS & DETAILS A5.0 INTERIOR ELEVATIONS & DETAILS</p> <p>S0.0 STRUCTURAL GENERAL NOTES S3.0 STRUCTURAL PLANS AND ELEVATIONS S3.1 STRUCTURAL PLANS AND ELEVATIONS S3.2 STRUCTURAL PLANS AND ELEVATIONS</p> <p>ECS-1 ELECTRICAL COVER SHEET ECS-2 ELECTRICAL COVER SHEET ED-1 SELECTIVE ELECTRICAL DEMO PLANS & NOTES E-1 ELECTRICAL PLAN</p> <p>SITE DIAGRAM</p> <p>USE OF SITE: 1. CONSTRUCTION PERSONNEL PARKING IS NOT PERMITTED ON PREMISE. 2. TEMPORARY DROP-OFF OF TOOLS, EQUIPMENT, MATERIALS AND PERSONNEL IS PERMITTED. 3. LAYOUT AND CONSTRUCTION USE OF THE REQUIRED AREAS IS TO BE KEPT TO A MINIMUM AND COORDINATED WITH DPP FACILITIES AND THE PROJECT MANAGER. 4. ACCESS TO ONE OF THE VEHICULAR BAYS ON THE WESTERN SIDE, MUST BE MAINTAINED AT ALL TIMES. STAGE WORK ACCORDINGLY.</p>	<p>LOCATION PLAN</p>	<p>PROJECT APPROVED</p> <p>COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY</p> <p>DEPUTY COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY</p> <p>PROJECT DIRECTOR/OPP-CAPITAL PROJECTS DIVISION</p> <p>ART COMMISSION</p> <p>HISTORICAL COMMISSION</p> <p>SEALS</p> <p>CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY</p> <p>CAPITAL PROJECTS DIVISION 1400 JFK BLVD 7TH FLR CITY HALL PHILADELPHIA PENNSYLVANIA</p> <p>PROJECT NO. 20-20-4897-01 DRAWING NO. CS1.0</p> <p>DATE 12/07/2021 SCALE AS NOTED</p> <p>DRAWN BY KK CHECKED BY DS</p> <p>FILE: P:\CIVIL\2020\20-20-4897-01.dwg</p> <p>NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.</p>

REVISIONS

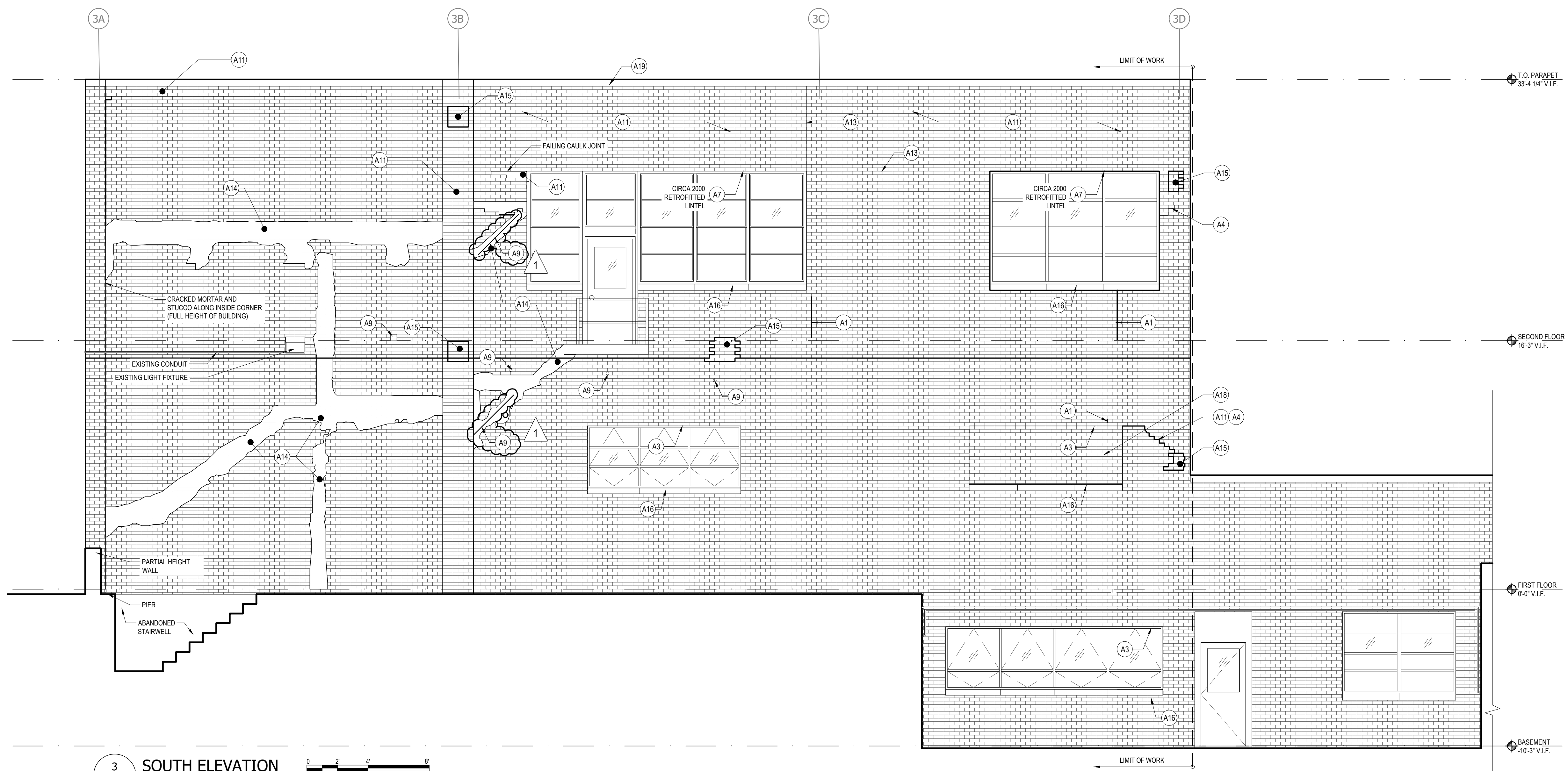
ISSUE	DATE	REVISIONS
0	12/07/2021	BID/PERMIT SET
1	06/14/2022	ADDENDUM 1



2 WEST ELEVATION
EX3.0 SCALE: 1/4"=1'-0"



1 1ST FLOOR KEYMAP
EX3.0 SCALE: 1/8"=1'-0"

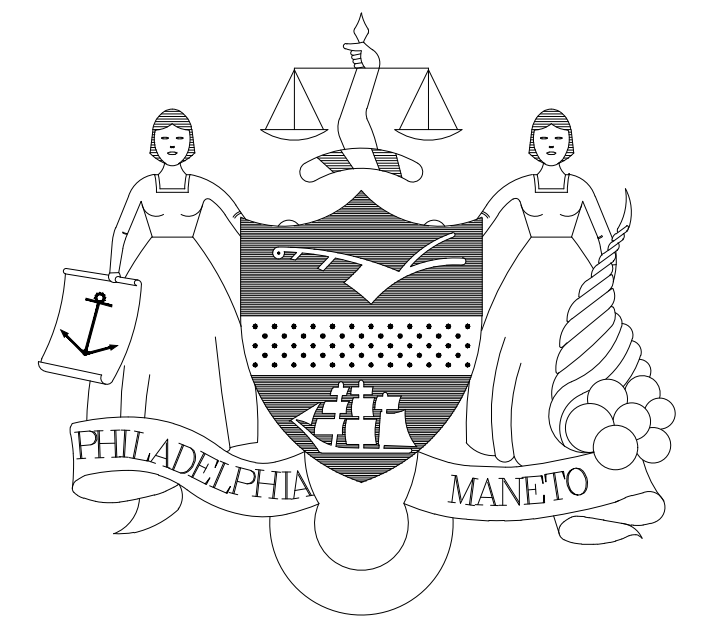


3 SOUTH ELEVATION
EX3.0 SCALE: 1/4"=1'-0"

HATCH LEGEND

[Hatched pattern]	EXISTING BRICK
[Solid grey pattern]	NEW BRICK
[Diagonal lines]	INFILLED WINDOW
[Dotted pattern]	EXISTING WALL (PLAN)

- ELEVATION KEY NOTES** SYMBOL: (X)
- A1. VERTICAL CRACKING OF BRICK AND MORTAR JOINT.
 - A2. HORIZONTAL CRACKING OF MORTAR JOINT.
 - A3. RUSTED LINTELS.
 - A4. STAIR-STEPPED CRACKING OF BRICK.
 - A5. SPALLED BRICK.
 - A6. EFFLORESCENCE.
 - A7. SLIGHTLY RUSTED LINTEL.
 - A8. EXPANSION JOINT, APPEARS TO BE DETERIORATING.
 - A9. CORRODING METAL OBJECT IN MASONRY WALL.
 - A10. NOTE NOT USED.
 - A11. EVIDENCE OF PRIOR BRICK REPAIR.
 - A12. SPALLED/DAMAGED BRICK, ISOLATED AREA.
 - A13. EXPANSION JOINT IN FAIR CONDITION. WEEPS PRESENT AT HORIZONTAL EXPANSION JOINTS.
 - A14. STUCCO PATCH/ AT REMOVED STAIR LOCATION.
 - A15. SEILER & DRURY ARCH / WZG STRUCTURAL PROBE LOCATION FOR REPORT DATED 8/12/2020
 - A16. LIMESTONE SILL.
 - A17. ROWLOCK SILL.
 - A18. INFILLED WINDOW.
 - A19. METAL COPING, TYP.
 - A20. METAL BENT PLATE OVER CONC. SLAB.



PROJECT COORDINATOR: FREDDA LIPPES



SPACE FOR CONSULTANT RECOGNITION

SEILER + DRURY
ARCHITECTURE
420 DEKALB STREET NORRISTOWN PA 19401
Tel 610.272.4809 www.sdarc.com

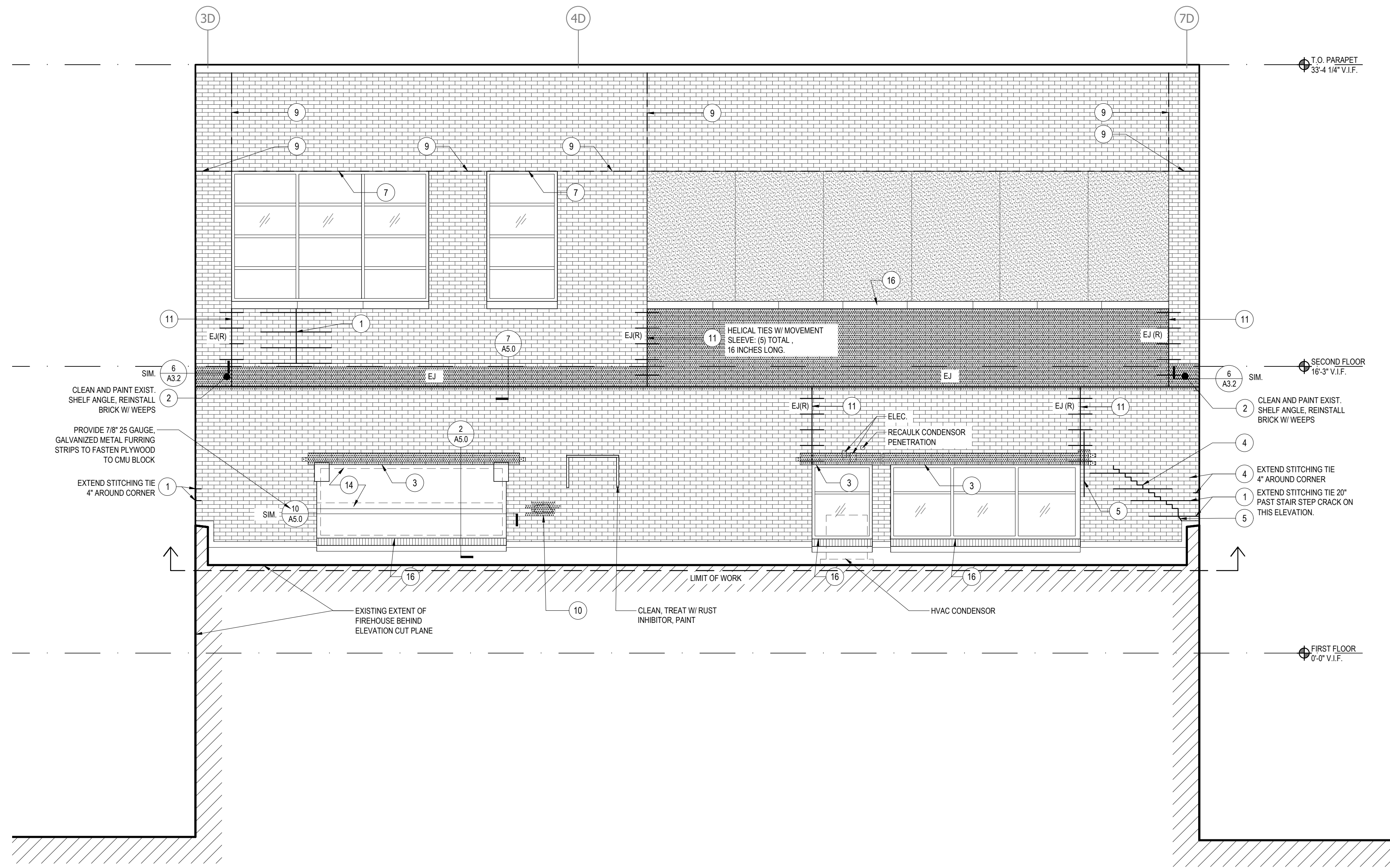
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
DPP ZONE 5 GARAGE RENOVATIONS

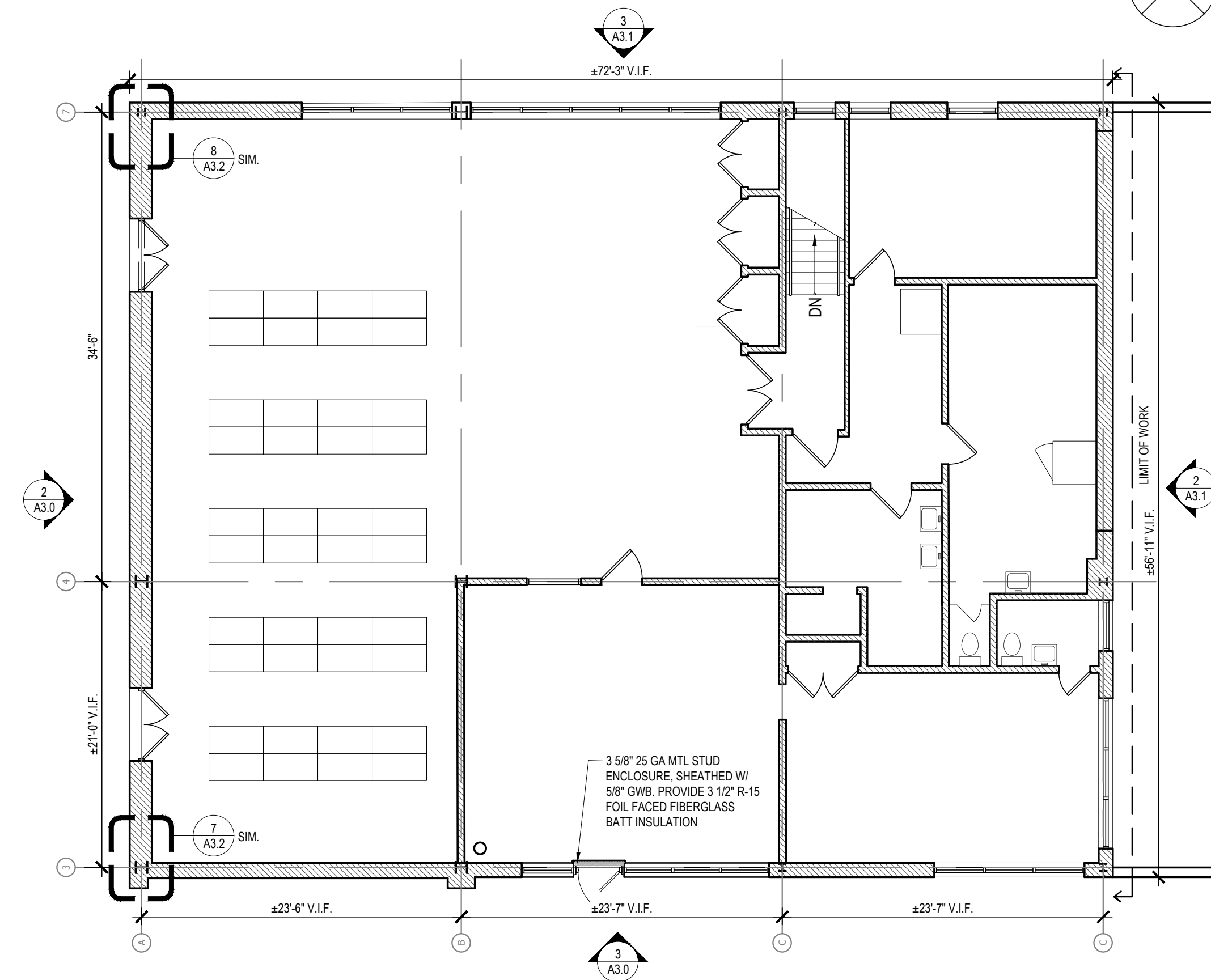
DRAWING TITLE
EXISTING CONDITION EXTERIOR ELEVATIONS

PROJECT NO. 20-20-489-01	DRAWING NO. EX3.0
DATE 12/07/2021	DRAWN BY KK
SCALE AS NOTED	CHECKED BY DS
CHECKED BY DS	FILE P:\CORPORATE\DESIGN\2020\20-20-489-01\EX3.0.dwg

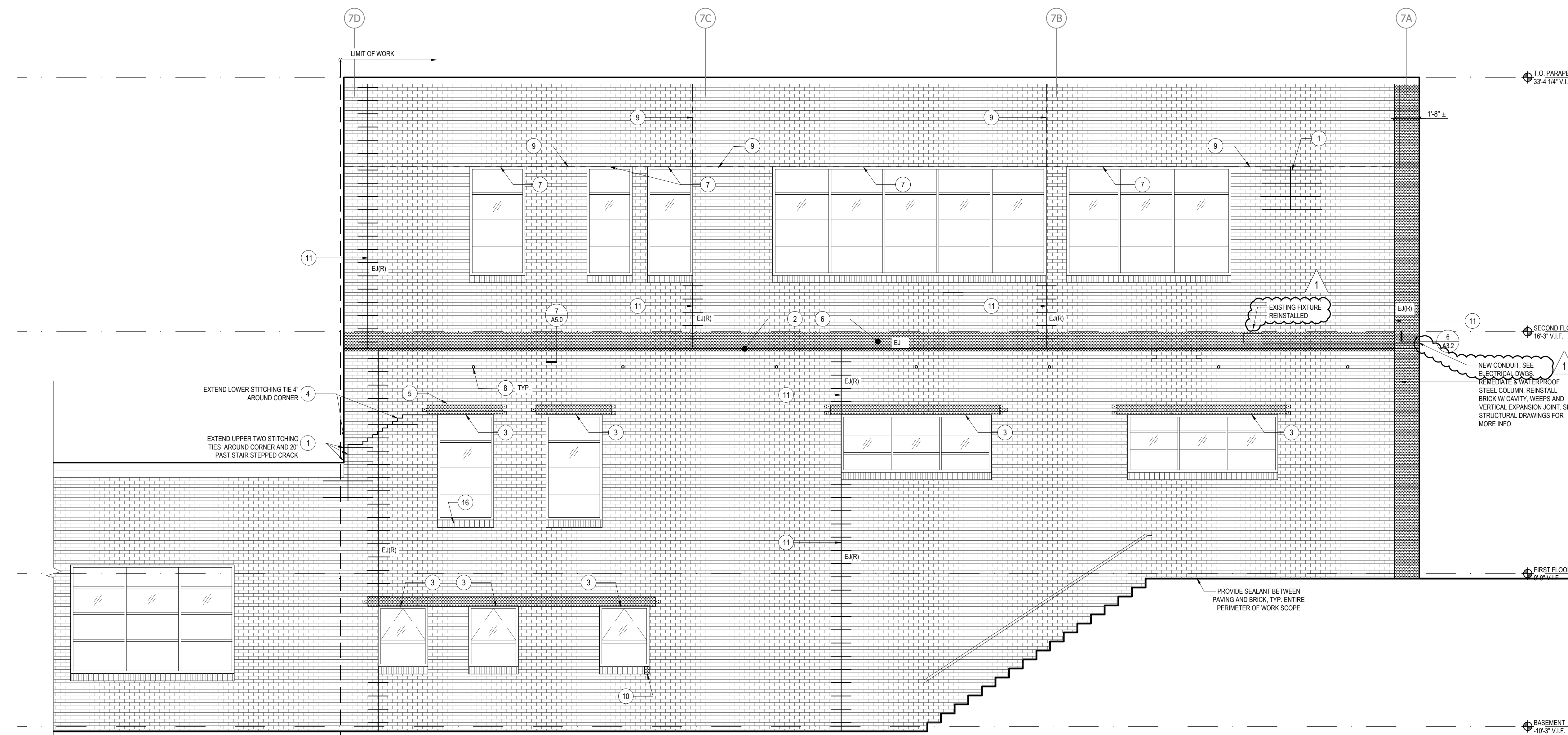
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



2 EAST ELEVATION
A3.1 SCALE: 1/4"=1'-0"



1 2ND FLOOR KEYMAP
A3.1 SCALE: 1/8"=1'-0"



3 NORTH ELEVATION
A3.1 SCALE: 1/4"=1'-0"

GENERAL NOTES:
BRICKS SHOWN ARE NOT TO SCALE

HATCH LEGEND	
[Hatched pattern]	EXISTING BRICK
[Solid grey]	NEW BRICK
[Diagonal lines]	INFILLED WINDOW
[Horizontal lines]	EXISTING WALL (PLAN)

ELEVATION KEY NOTES

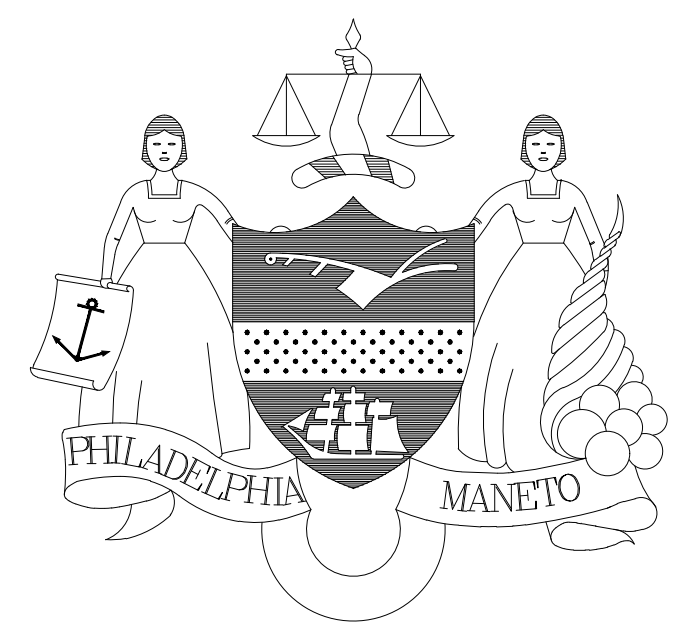
- STITCH CRACK W/ HELICAL STITCHING TIES EVERY 4 COURSES VERT. 20 INCH MIN EMBEDMENT EA. SIDE OF CRACK PER MANUFACTURER'S INSTRUCTIONS. REPOINT BED JOINTS AFTER INSTALLATION AND SEAL CLEANED VERTICAL CRACKS WITH HELIFIX CRACKBOND TE
- NEW GALVANIZED, WATERPROOFED SHELF ANGLE. REINSTALL BRICK W/ FLASHING & WEEPS. PROVIDE HORIZONTAL EXPANSION JOINT ONE COURSE BELOW NEW ANGLE. SEE 71A.0 FOR BRICK SHELF ANGLE DETAIL
- NEW GALVANIZED STEEL LINTEL W/ FLASHING, WEEPS AND NEW BRICK. REMOVE AND REINSTALL WINDOW INFILL IF PRESENT AND UNLESS NOTED OTHERWISE. SEE 81A.0
- REMOVE EXISTING SEALANT AND STITCH STAR-STEPPED CRACK W/ HELICAL TIES. EVERY 4 COURSES VERTICALLY, 20 INCH EMBEDMENT EA. SIDE OF CRACK. WHERE TIE EXTENDS THRU PROPOSED VERTICAL EXPANSION JOINT, PROVIDE DEBONDING SLEEVE ON 8" END ON OPPOSITE SIDE OF EXPANSION JOINT.
- CLEAN CRACK THROUGH BRICK AND SEAL WITH INJECTABLE REPAIR CRACK REPAIR GROUT.
- CLEAN EFFLORESCENCE
- CLEAN, TREAT W/ RUST INHIBITOR, AND PAINT LINTEL.
- REMOVE EXISTING METAL PROTRUSIONS. SEE BRICK REPAIR SPECIFICATIONS "ABANDONED ANCHOR REMOVAL" FOR MORE INFO.
- EXISTING EXPANSION JOINT REMOVE EXISTING BACKER ROD AND SEALANT AND REPLACE W/ NEW.
- TOOTH IN NEW BRICKS TO REPLACE SPALLED BRICKS.
- PROVIDE RETROFITTED EXPANSION JOINT. SEE DETAIL 31A.0
- PROVIDE EXPANSION JOINT IN NEW BRICK. SEE DETAIL 61A.0
- PROVIDE NEW HORIZONTAL EXPANSION JOINT
- EXISTING MASONRY OPENING COVERED W/ EXTERIOR GRADE PLYWOOD AND CLAD WITH LAPPED SHEET METAL. SEE DETAIL ELEVATION 131A.0
- REPOINT BED JOINT
- FLASH ALL SILLS AT INFILL PANEL LOCATIONS, 6"

GENERAL ELEVATION NOTES:

- RECAULK ALL EXISTING DOORS AND WINDOWS THAT ARE NOT INFILLED. (22 LOCATIONS)
- REPOINT ALL LIMESTONE & BRICK WINDOW SILLS.
- ALL METAL THROUGH PENETRATIONS TO REMAIN ARE TO BE CLEANED, TREATED WITH RUST INHIBITORS, AND SURROUNDING JOINTS SEALED. CLEAN IRON STAINING ON MASONRY.
- LOCATE HORIZONTAL EXPANSION JOINTS IMMEDIATELY BELOW SHELF ANGLES.

REVISIONS

ISSUE	DATE	REVISIONS
0	12/07/2021	BID/PERMIT SET
1	06/14/2022	ADDENDUM 1



PROJECT COORDINATOR FREDDA LIPPES

SEALS



SPACE FOR CONSULTANT RECOGNITION

SEILER + DRURY
ARCHITECTURE
420 DEKALB STREET NORRISTOWN PA 19401
Tel 610.272.4809 www.sdarc.com

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
DPP ZONE 5 GARAGE RENOVATIONS

DRAWING TITLE
EXTERIOR ELEVATIONS

PROJECT NO. 20-20-4897-01 DRAWING NO.

DATE 12/07/2021

SCALE AS NOTED

DRAWN BY KK

CHECKED BY DS

A3.1

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

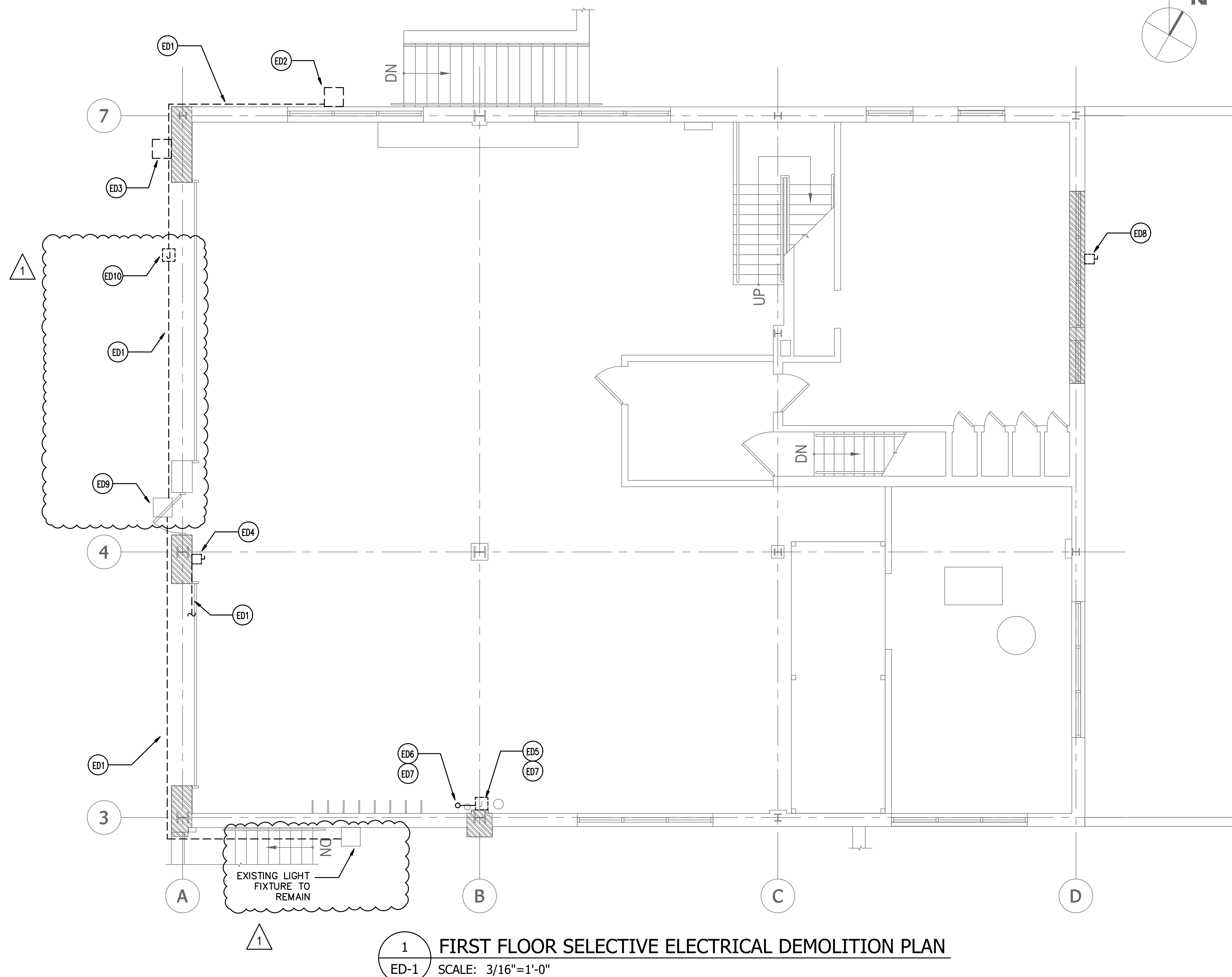
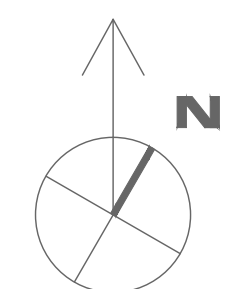
HATCH LEGEND:

 STRUCTURAL REPAIR AREA. COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER FOR EXACT LOCATION.

SELECTIVE ELECTRICAL DEMOLITION PLAN GENERAL NOTES:

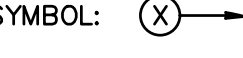
- FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS SEE DRAWING ECS-1 & ECS-2.
- ALL ELECTRICAL DEVICES, EQUIPMENT, WIRES, CONDUITS THAT ARE NOT SHOWN ARE EXISTING TO REMAIN. PROPERLY PROTECT THEM FROM DAMAGE DURING DEMOLITION.
- LOCATION OF ALL EXISTING CONDUITS, EQUIPMENT ARE APPROXIMATE. VERIFY IN FIELD PRIOR TO COMMENCING WORK.
- THE WORK HEREIN CONSISTS OF PROVIDING MATERIALS, EQUIPMENT, LABOR AND SERVICES, AND PERFORMING OPERATIONS REQUIRED TO REMOVE/RELOCATE ANY ELECTRICAL CONDUITS, EQUIPMENT AND ASSOCIATED WIRING THAT INTERFERE WITH THE PERFORMING OF THE STRUCTURAL REPAIRS.
- PRIOR ANY REMOVAL, THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING WIRING IN FIELD AND MAINTAIN THE ELECTRICAL SERVICES OF ANY EQUIPMENT AND OTHER AREAS THAT NEED TO REMAIN OPERATIONAL. UPON OWNER'S REQUEST, DURING THE STRUCTURAL REPAIRS BY MAINTAINING EXISTING WIRING OR RELOCATING AND REWIRING.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE POWER SUPPLY, CIRCUIT INTEGRITY AND FULLY FUNCTION OF THE EXISTING FIRE ALARM & COMMUNICATION SYSTEM. IF ANY TEMPORARILY REMOVAL OF FIRE ALARM & COMMUNICATION DEVICES AND WIRING IS REQUIRED, CONTRACTOR SHALL COORDINATE WITH OWNER, FIRE ALARM COMPANY AND FIRE DEPARTMENT PRIOR TO THE REMOVAL.
- THE CONTRACTOR SHALL PERFORM ALL THE WORK UNDER THIS SECTION WITH MINIMAL INTERFERENCE WITH FUNCTIONING EXISTING ELECTRICAL SYSTEMS WITHIN AND OUTSIDE THE CONTRACT AREAS. ALL EXISTING SYSTEMS THAT NEED TO REMAIN IN SERVICES SHALL BE PROTECTED AGAINST DAMAGE. SHOULD ANY EXISTING SYSTEMS OF THEM BE AFFECTED, THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH OWNER AND THE AFFECTED SYSTEMS SHALL BE RESTORED.
- DEMOLITION WORK SHALL BE SUBJECT TO DIRECTION AND APPROVAL OF THE CITY OR THE CITY'S REPRESENTATIVE, AND SHALL NOT INTERFERE WITH ACTIVITIES IN OTHER BUILDING AREAS.
- THE WORK UNDER THIS SECTION SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION/OR TO RECEIVE NEW FINISHES AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED OR DEMOLISHED PRIOR TO DEMOLITION WORK, UPON ANY REQUEST BY OWNER TO KEEP ANY MATERIALS, THE CONTRACTOR SHALL REMOVE AND DELIVER THE MATERIALS TO AN APPROVED LOCATION.
- ALL EXISTING EQUIPMENT AND MATERIALS TO BE SALVAGED OR REUSED AS INDICATED BY THE PLAN SHALL BE STORED IN A SAFE PLACE AS DIRECTED BY OWNER AND BE CLEANED, RECONDITIONED, CALIBRATED AND ADJUSTED TO THE CONTRACTOR'S BEST CAPACITY. IN CASE WHERE THE EXISTING EQUIPMENT OR MATERIALS CANNOT BE PROPERLY RESTORED DUE TO PRIOR DEFECTS, THE CONTRACTOR SHALL REPORT TO ENGINEER AND OWNER FOR DIRECTIONS.
- UNLESS OTHERWISE, THE CONTRACTOR OWNS ALL DEMOLISHED OR REMOVED MATERIALS ON SITE, AND IS RESPONSIBLE TO PROMPTLY DISPOSE IN A LEGAL MANNER.
- THE CONTRACTOR SHALL COORDINATE THE PROJECTED DEMOLITION WORK AND PHASING SCHEDULES WITH OWNER AND OTHER TRADES AT THE APPROPRIATE TIME SO THAT THE REMOVAL OR RELOCATION OF ANY EXISTING CONDUITS, WIRING AND EQUIPMENT MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
- ANY ELECTRICAL SERVICE SHUTDOWNS REQUIRED SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER BEFORE THEY ARE IMPLEMENTED. SUFFICIENT ADVANCE NOTICE MUST BE PROVIDED TO THE OWNER.
- ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL OTHER DISCIPLINES PRIOR TO THE WORK. IDENTIFY ALL ELECTRICAL CONDUIT TO REMAIN. TRANSMIT TO OTHER TRADES AND PARTICIPATE IN ALL TRADES COORDINATION DRAWINGS.
- WHERE EXISTING ELECTRICAL OR COMMUNICATION SERVICES ARE TO BE ABANDONED IN PLACE, SERVICES SHALL BE TERMINATED IN ACCORDANCE WITH THE N.E.C.

PROJECT NORTH



1 FIRST FLOOR SELECTIVE ELECTRICAL DEMOLITION PLAN
ED-1 SCALE: 3/16"=1'-0"

SELECTIVE ELECTRICAL DEMOLITION PLAN KEY NOTES

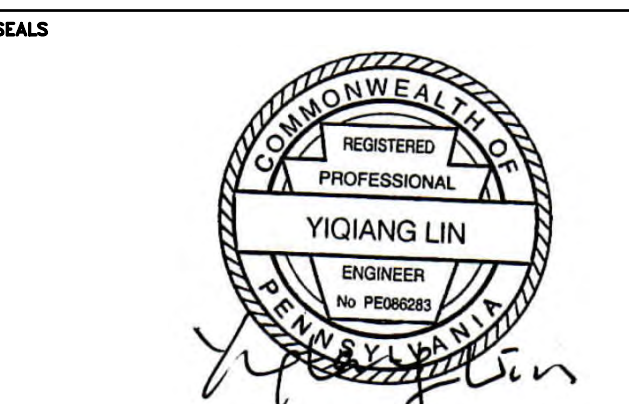
- SYMBOL: 
- ED1** DISCONNECT AND REMOVE THE EXISTING ELECTRICAL CONDUIT, ASSOCIATED WIRING AND ACCESSORIES ATTACHED TO THE EXTERIOR WALL. IDENTIFY, DISCONNECT AND TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUITS, PREPARE FOR RECONNECTION.
 - ED2** DISCONNECT AND REMOVE THE EXISTING EXTERIOR LIGHT FIXTURE, ASSOCIATED WIRING/CONDUIT AND THE JUNCTION BOX. REMOVE ANY ACCESSORIES ATTACHED TO THE EXTERIOR WALL. SALVAGE THE EXISTING LIGHT FIXTURE AND PREPARE FOR REINSTALLATION AT THE ORIGINAL LOCATION WHEN THE STRUCTURAL REPAIR WORK IS DONE.
 - ED3** DISCONNECT AND DEMOLISH THE EXISTING EXTERIOR WALL SCONCE, ASSOCIATED WIRING/CONDUIT AND THE JUNCTION BOX. REMOVE ANY ACCESSORIES ATTACHED TO THE EXTERIOR WALL.
 - ED4** VERIFY THE EXISTING MOTOR AND THE DISCONNECT FOR THE GARAGE DOOR IN FIELD. REMOVE AND DISCONNECT THE EXISTING MOTOR, DISCONNECT, CONDUIT AND ASSOCIATED ACCESSORIES FROM THE INTERIOR WALL. IDENTIFY, TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUITS, PREPARE FOR RECONNECTION IN FIELD.
 - ED5** VERIFY THE EXISTING JUNCTION BOX IN FIELD. REMOVE THE EXISTING JUNCTION BOX, CONDUIT, WIRING AND ASSOCIATED ACCESSORIES ON THE INTERIOR WALL. IF THE EXISTING WIRING IS NOT IN SERVICE ANYMORE, DISCONNECT AND DEMOLISH THE EXISTING WIRING BACK TO THE JUNCTION BOX WHERE IT ORIGINATES FROM. OTHERWISE, IDENTIFY, DISCONNECT, TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUITS, PREPARE FOR RECONNECTION.
 - ED6** DISCONNECT AND REMOVE THE EXISTING VERTICAL & HORIZONTAL ELECTRICAL CONDUIT AND WIRING MOUNTED ON THE INTERIOR WALL. REMOVE THE ASSOCIATED ACCESSORIES. IDENTIFY, DISCONNECT, TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ALL ASSOCIATED CIRCUITS, PREPARE FOR RECONNECTION.
 - ED7** PROVIDE NEW TEMPORARY SUPPORTS FOR THE EXISTING CONDUITS AND JUNCTION BOX FROM FLOOR OR OTHER NEAR STRUCTURES PER NEC SUCH THAT THE TEMPORARY SUPPORTS OR THEIR ACCESSORIES WILL NOT ATTACH TO THE INTERIOR WALL STRUCTURAL REPAIR AREA AND WILL NOT INTERFERE WITH THE PERFORMING THE STRUCTURAL REPAIR. THEN REMOVE THE EXISTING WALL MOUNT HANGERS FOR THE EXISTING CONDUITS IN THE AREA OF STRUCTURAL REPAIR.
 - ED8** VERIFY THE EXISTING ELECTRICAL DISCONNECT FOR THE EXISTING HEAT-PUMP CONDENSER IN FIELD. DISCONNECT AND REMOVE THE EXISTING DISCONNECT, CONDUIT, WIRING AND ASSOCIATED ACCESSORIES FROM THE EXTERIOR WALL. IDENTIFY, TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUIT, PREPARE FOR RECONNECTION.
 - ED9** EXISTING LIGHT FIXTURE TO REMAIN. DISCONNECT AND REMOVE THE EXISTING VERTICAL ELECTRICAL CONDUIT CONNECTED TO THIS LIGHT FIXTURE. REMOVE ASSOCIATED WIRING AND ACCESSORIES ATTACHED TO THE EXTERIOR WALL. IDENTIFY, DISCONNECT AND TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUIT, PREPARE FOR RECONNECTION. REFER TO A3.0-2 FOR ELEVATION.
 - ED10** DISCONNECT AND REMOVE THE EXISTING ELECTRICAL JUNCTION BOX, ASSOCIATED WIRING AND ACCESSORIES ATTACHED TO THE EXTERIOR WALL. IDENTIFY, DISCONNECT AND TEMPORARILY "SAFE-OFF" AND CLEARLY TAG/MARK ASSOCIATED CIRCUITS, PREPARE FOR RECONNECTION.

REVISIONS

ISSUE	DATE	REVISIONS
0	12/07/2021	BID/PERMIT SET
1	06/14/2022	ADDENDUM 1



PROJECT COORDINATOR: FREDDA LIPPES



SPACE FOR CONSULTANT RECOGNITION

SEILER+DRURY
ARCHITECTURE
420 DEKALB STREET NORRISTOWN PA 19401
Tel 610.272.4809 www.sdrarc.com

HUTEC ENGINEERING, INC
304 MASTER ST
1ST FLOOR
PHILADELPHIA, PA 19122
PHONE NO. 267-800-3540

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE: DPP ZONE 5 GARAGE RENOVATIONS

DRAWING TITLE: SELECTIVE ELECTRICAL DEMO PLANS & NOTES

PROJECT NO. 20-20-4897-01	DRAWING NO. ED-1
DATE 06/14/2022	
SCALE AS NOTED	
DRAWN BY MY	
CHECKED BY LH	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE BEFORE PROCEEDING WITH THE WORK.

HATCH LEGEND:

STRUCTURAL REPAIR AREA. COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER FOR EXACT LOCATION.

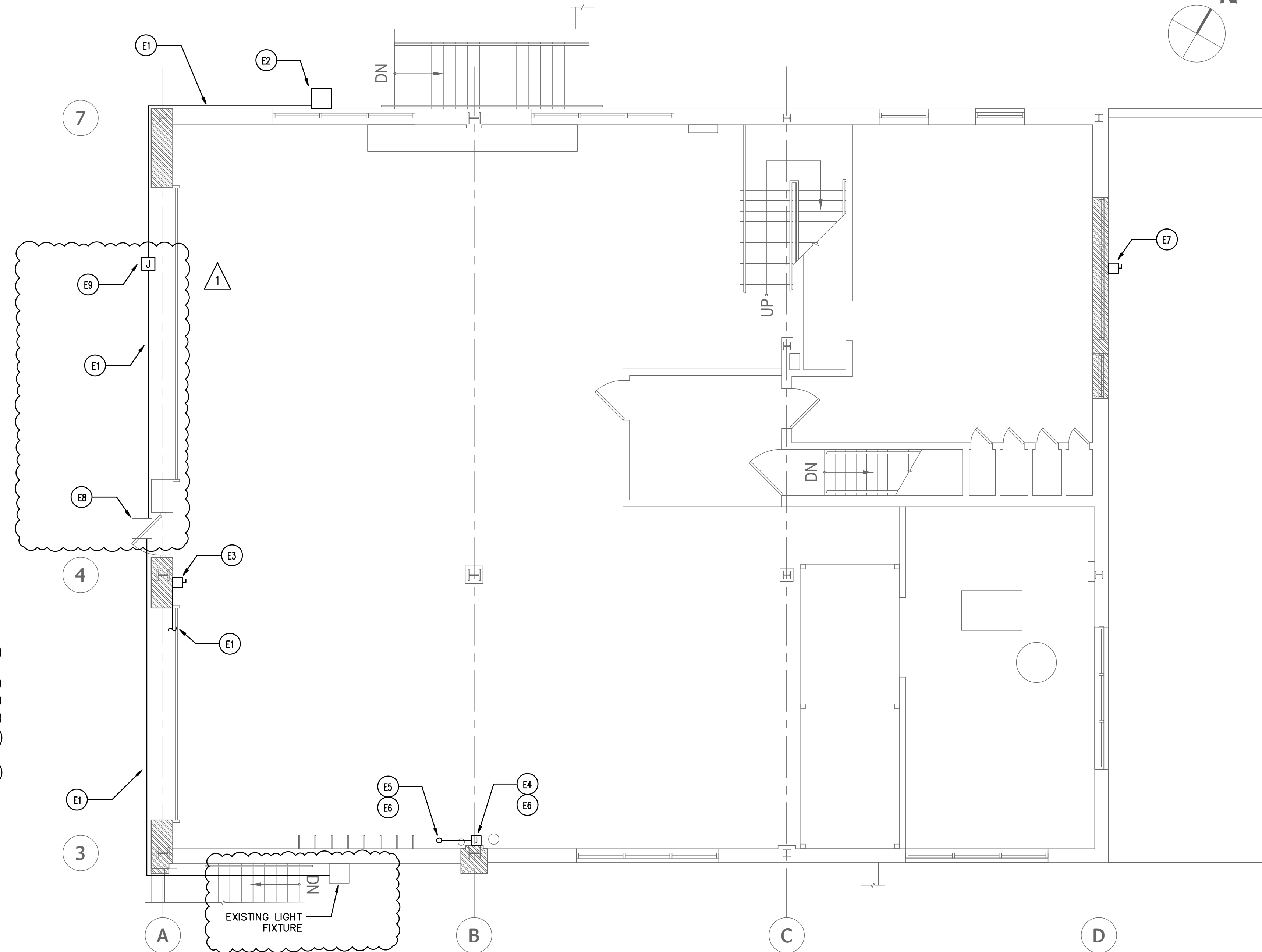
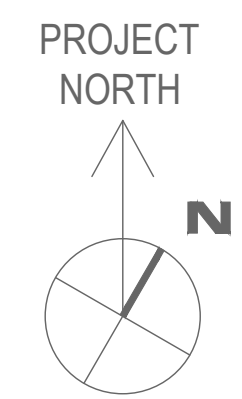
ELECTRICAL PLAN KEY NOTES

SYMBOL: (X) →

- (E1) INSTALL THE NEW CONDUITS, WIRING AND ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC.
- (E2) REINSTALL THE EXISTING SALVAGED LED LIGHT FIXTURE AT THE ORIGINAL LOCATION.
- (E3) REUSE AND REINSTALL THE EXISTING MOTOR, DISCONNECT, WIRING, CONDUIT, ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION AS SHOWN IN THE PLAN PER NEC.
- (E4) REUSE AND REINSTALL THE EXISTING JUNCTION BOX AND ASSOCIATED SUPPORTS AT THE ORIGINAL LOCATION PER NEC.
- (E5) REUSE AND RECONNECT THE EXISTING WIRING. REINSTALL THE VERTICAL & HORIZONTAL CONDUIT, ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC.
- (E6) REMOVE THE TEMPORARY SUPPORTS FROM FLOOR OR NEAR STRUCTURES FOR THE EXISTING CONDUITS AND PROVIDE NEW SUPPORTS AND ACCESSORIES ON THE INTERIOR WALL FOR THE EXISTING CONDUIT.
- (E7) REUSE AND REINSTALL THE EXISTING DISCONNECT, WIRING, CONDUIT, ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC.
- (E8) INSTALL THE NEW VERTICAL CONDUIT, WIRING AND ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC TO RE-FEED THE EXISTING LIGHT FIXTURE.
- (E9) INSTALL THE NEW JUNCTION BOX, WIRING AND ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC.

ELECTRICAL PLAN GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL REPLACE THE EXISTING WIRING, JUNCTION BOXES, CONDUITS, SUPPORTS AND ACCESSORIES THAT ARE TO BE REINSTALLED/RECONNECTED BUT ARE NOT IN GOOD CONDITIONS WITH NEW ITEMS WITHOUT ADDITIONAL COST BY OWNER.



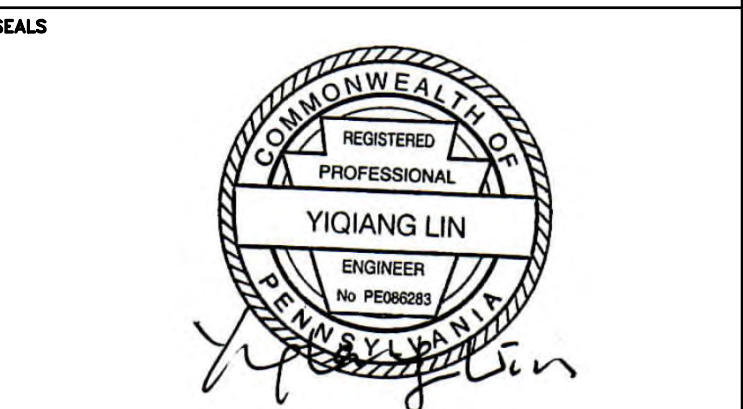
1 FIRST FLOOR ELECTRICAL PLAN
E-1 SCALE: 3/16"=1'-0"

REVISIONS

ISSUE	DATE	REVISIONS
0	12/07/2021	ISS/PERMIT SET
1	06/14/2022	ADDENDUM 1



PROJECT COORDINATOR: FREDDA LIPPES



SEILER+DRURY
ARCHITECTURE
420 DEKALB STREET NORRISTOWN PA 19401
Tel 610.272.4809 www.sdarc.com

HUTEC ENGINEERING, INC
304 MASTER ST
1ST FLOOR
PHILADELPHIA, PA 19122
PHONE NO. 267-800-3540

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
DPP ZONE 5 GARAGE RENOVATIONS

DRAWING TITLE
ELECTRICAL PLAN

PROJECT NO. 20-20-4897-01	DRAWING NO. E-1
DATE 06/14/2022	
SCALE AS NOTED	
DRAWN BY MY	
CHECKED BY LH	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE REFERRED TO THE SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR THE WORK.

DPP ZONE 5 GARAGE SUGGESTED STRUCTURAL REPAIRS

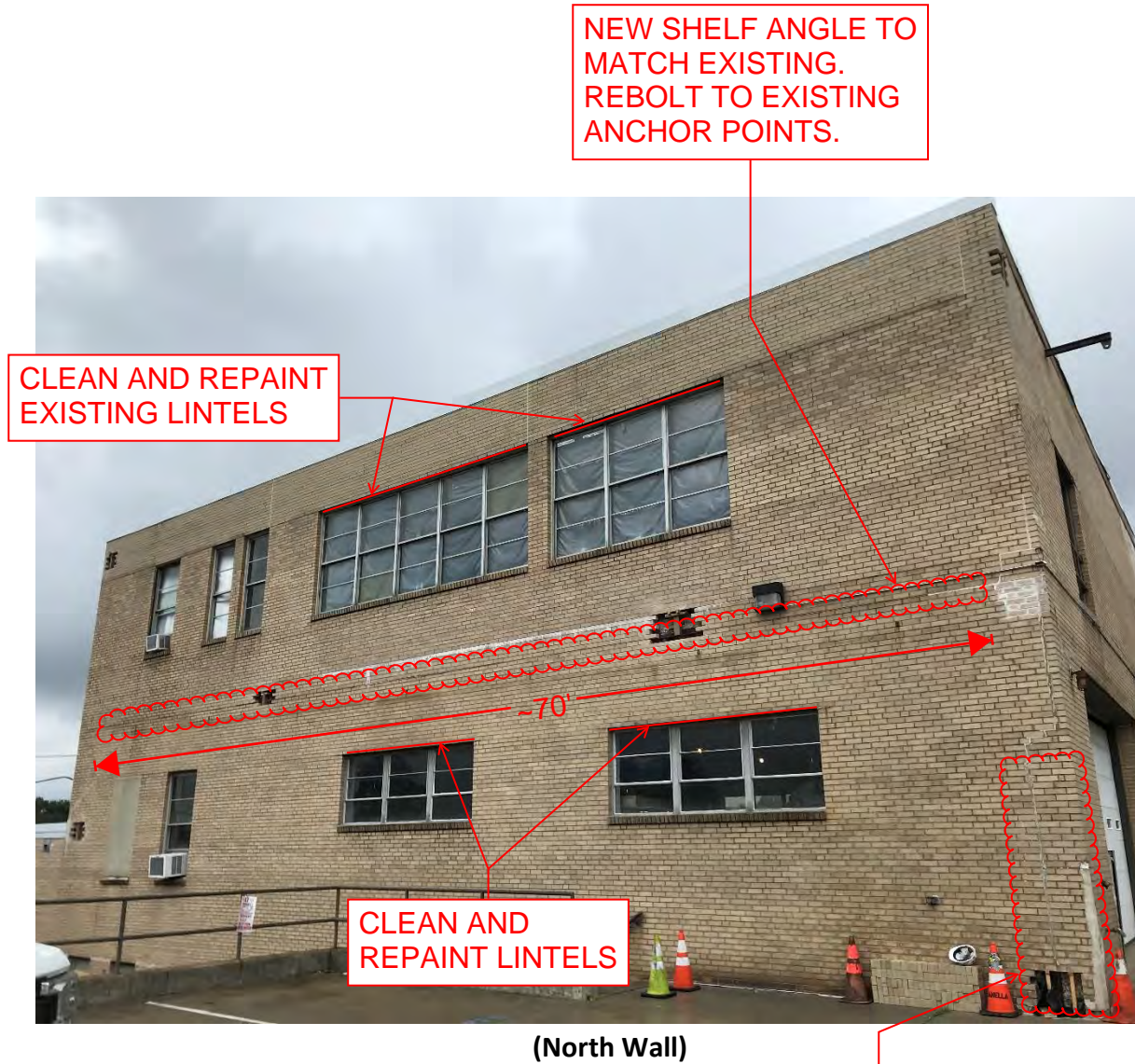
*PREPARED FOR THE DEPARTMENT
OF PUBLIC PROPERTY*



PREPARED BY:



Submitted on 8/12/2020 To:
Kyle O'Connor, ASLA
Design and Construction Project Manager
Department of Public Property, Capital Projects Division
City Hall Room 710
1400 John F. Kennedy Blvd
Philadelphia, PA 19107



SOME CORROSION AND/OR DELAMINATION TO WEB/FLANGE OF EXISTING COLUMN WAS OBSERVED. REMOVE PORTION OF BRICK ALONG ENTIRE LENGTH OF COLUMN. COLUMN SHALL BE MECHANICALLY CLEANED AND INSPECTED FOR SECTION LOSS. IF NO SECTION LOSS IS FOUND, THE COLUMN SHALL BE PAINTED WITH AN EPOXY MASTIC PAINT, SUCH AS CARBOMASTIC 15. REINFORCING MAY BE REQUIRED AT COLUMN BASE PRIOR TO PAINTING.

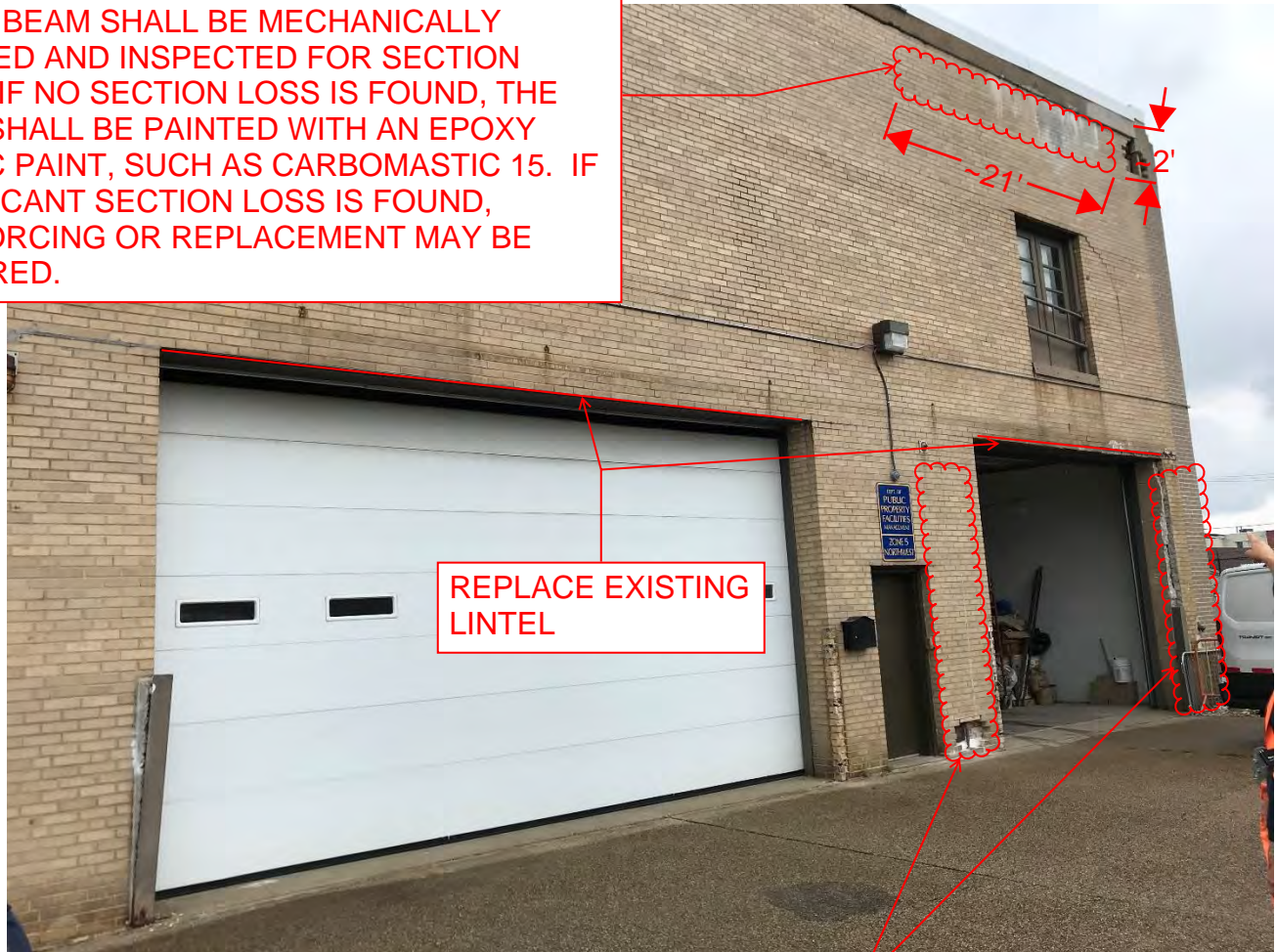
Photo #S1A:



(South Wall)

Photo #S1B:

DELAMINATION TO FLANGES OF EXISTING ROOF BEAM WAS OBSERVED. BRICK SHALL BE REMOVED TO ACCESS FULL LENGTH OF BEAM. BEAM SHALL BE MECHANICALLY CLEANED AND INSPECTED FOR SECTION LOSS. IF NO SECTION LOSS IS FOUND, THE BEAM SHALL BE PAINTED WITH AN EPOXY MASTIC PAINT, SUCH AS CARBOMASTIC 15. IF SIGNIFICANT SECTION LOSS IS FOUND, REINFORCING OR REPLACEMENT MAY BE REQUIRED.



(West Wall)

SOME CORROSION AND/OR DELAMINATION TO WEB/FLANGE OF EXISTING COLUMN WAS OBSERVED. REMOVE PORTION OF BRICK ALONG ENTIRE LENGTH OF COLUMN. COLUMN SHALL BE MECHANICALLY CLEANED AND INSPECTED FOR SECTION LOSS. IF NO SECTION LOSS IS FOUND, THE COLUMN SHALL BE PAINTED WITH AN EPOXY MASTIC PAINT, SUCH AS CARBOMASTIC 15. REINFORCING MAY BE REQUIRED AT COLUMN BASE PRIOR TO PAINTING.



(North Wall Shelf Angle)

Photo #S2A:



(North Wall Shelf Angle)

Photo #S2B:



(North Wall Lintel)

Photo #S3:



(North Wall Column)

Photo #S4A:



(West Wall Column)

Photo #S4B:



(West Wall Column)

Photo #S4C:



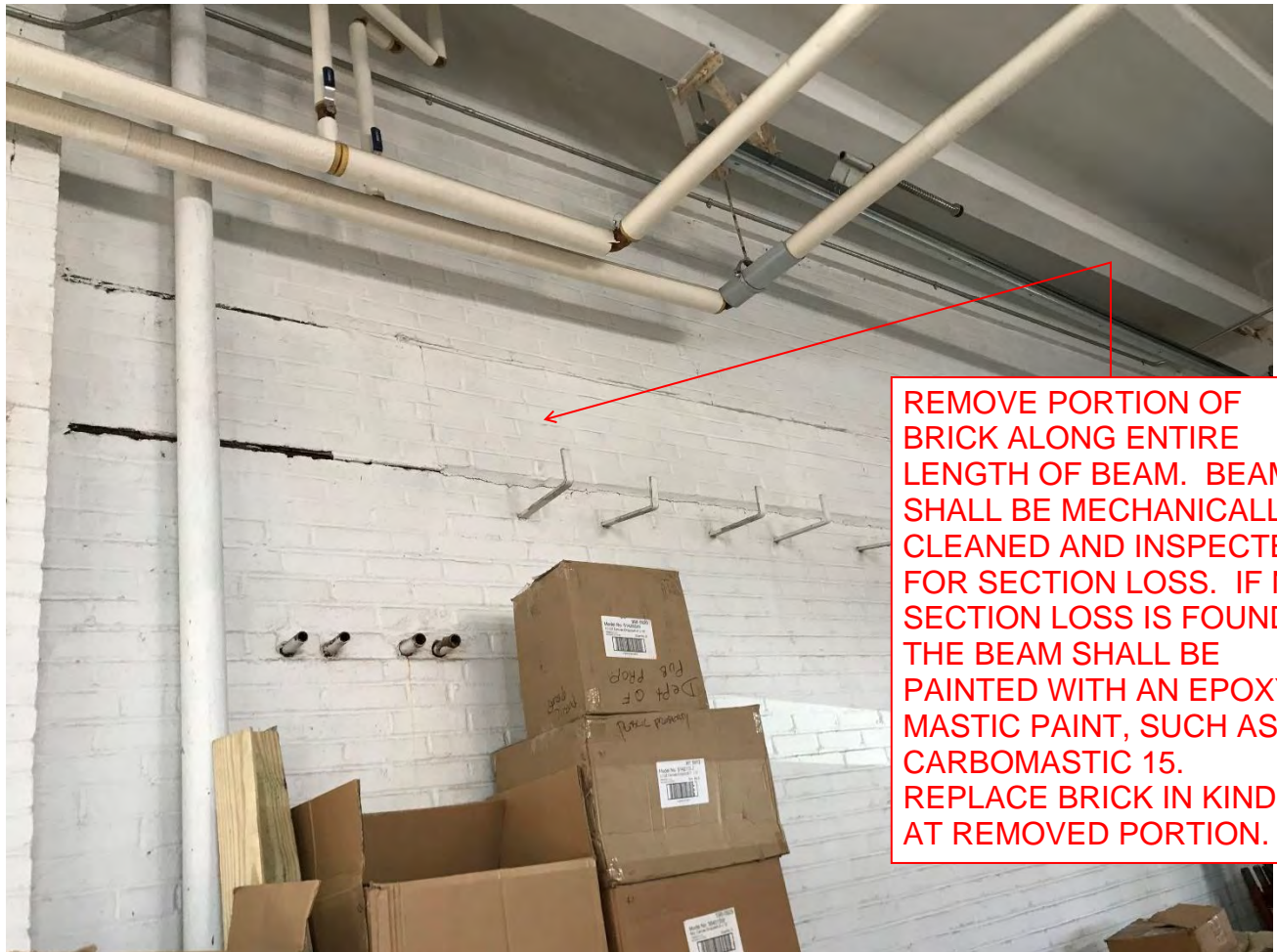
(West Wall Roof Beam)



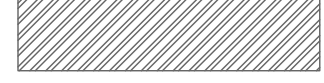
REMOVE PORTION OF BRICK ALONG ENTIRE LENGTH OF COLUMN. COLUMN SHALL BE MECHANICALLY CLEANED AND INSPECTED FOR SECTION LOSS. IF NO SECTION LOSS IS FOUND, THE COLUMN SHALL BE PAINTED WITH AN EPOXY MASTIC PAINT, SUCH AS CARBOMASTIC 15. REPLACE BRICK IN KIND AT REMOVED PORTION.

(INTERIOR SOUTH WALL COLUMN)

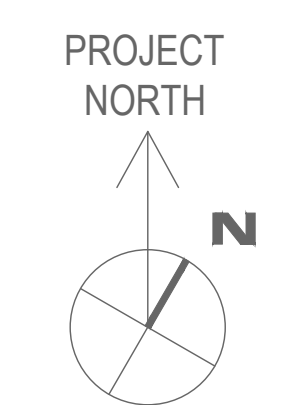
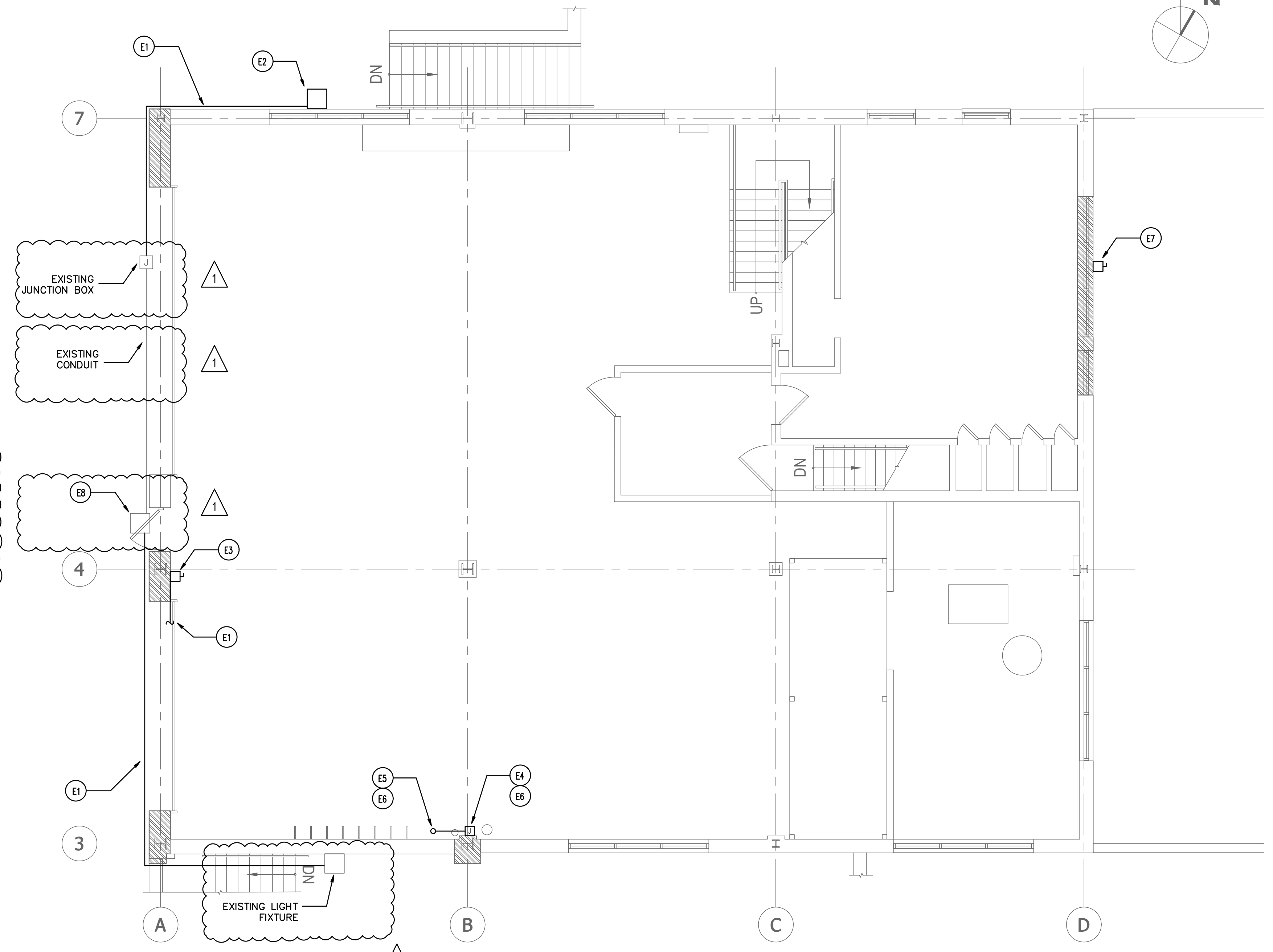
Photo #S6A:



(INTERIOR SOUTH WALL BEAM)

HATCH LEGEND:
 STRUCTURAL REPAIR AREA. COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER FOR EXACT LOCATION.

- ELECTRICAL PLAN KEY NOTES** SYMBOL: (X) →
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 - (E8) REINSTALL THE VERTICAL CONDUIT AND ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION PER NEC. REUSE AND RECONNECT THE EXISTING WIRING TO RE-FEED THE EXISTING LIGHT FIXTURE.

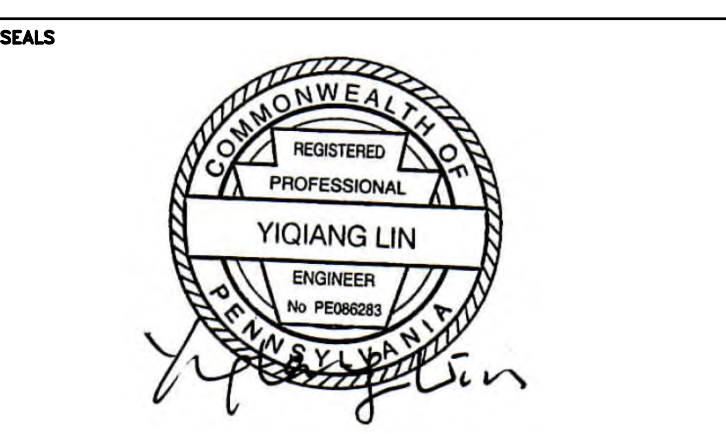


1 FIRST FLOOR ELECTRICAL PLAN
 E-1 SCALE: 3/16"=1'-0"

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PROJECT NO. 20-20-4897-01	DRAWING NO. E-1
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