PROPERTY REHABILITATION FOR:

HACP TASK ORDERS #35 and #41 DEVELOPMENT & OPPORTUNITIES CENTER

1205 LIVERPOOL STREET, BUILDING #35
ALLEGHENY COUNTY
PITTSBURGH, PENNSYLVANIA 15233

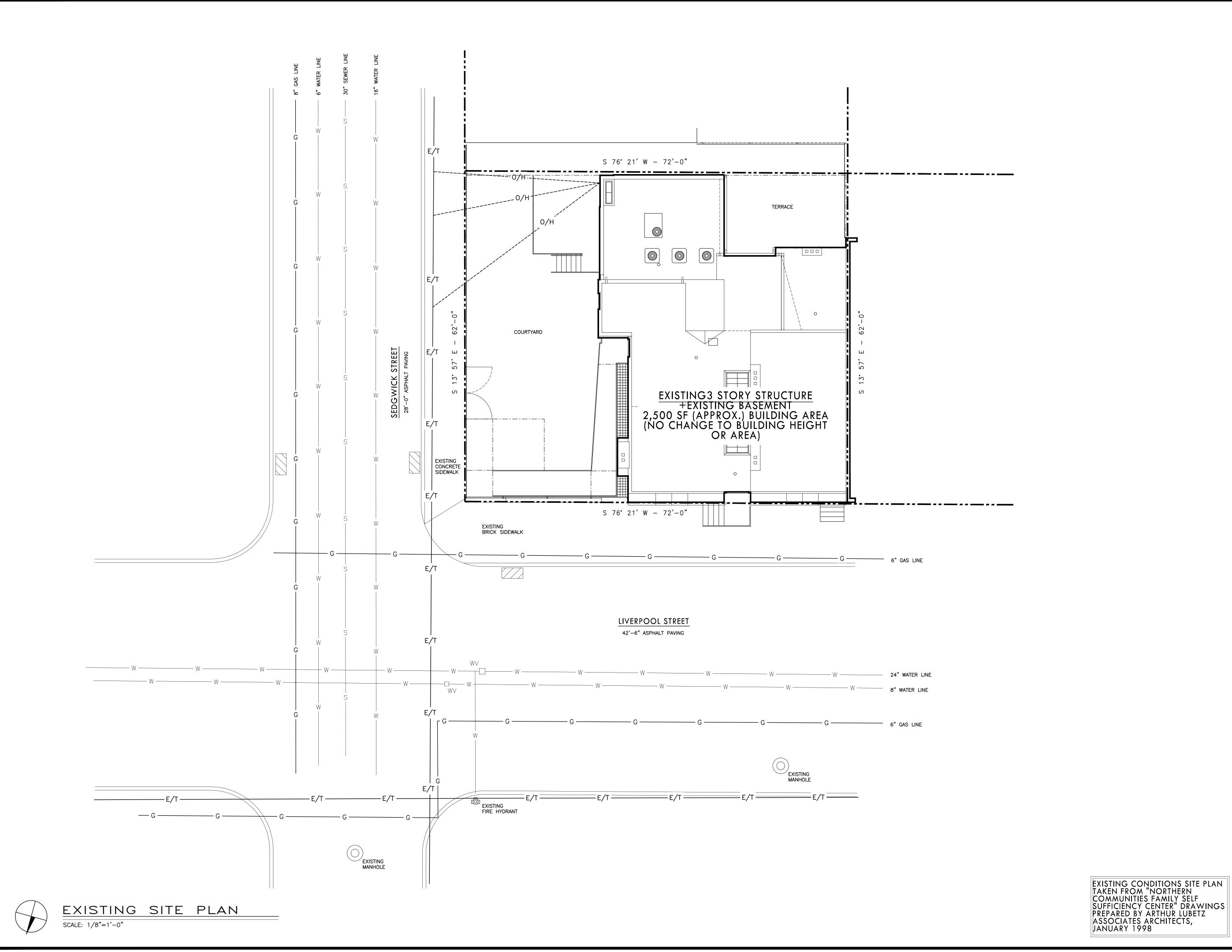
2035 DECEMBER 18, 2020 DESIGN DEVELOPMENT SUBMISSION - FOR HACP REVIEW

■ FEBRUARY 15, 2021 ■ FOR CONSTRUCTION



410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

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REVISIONS

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

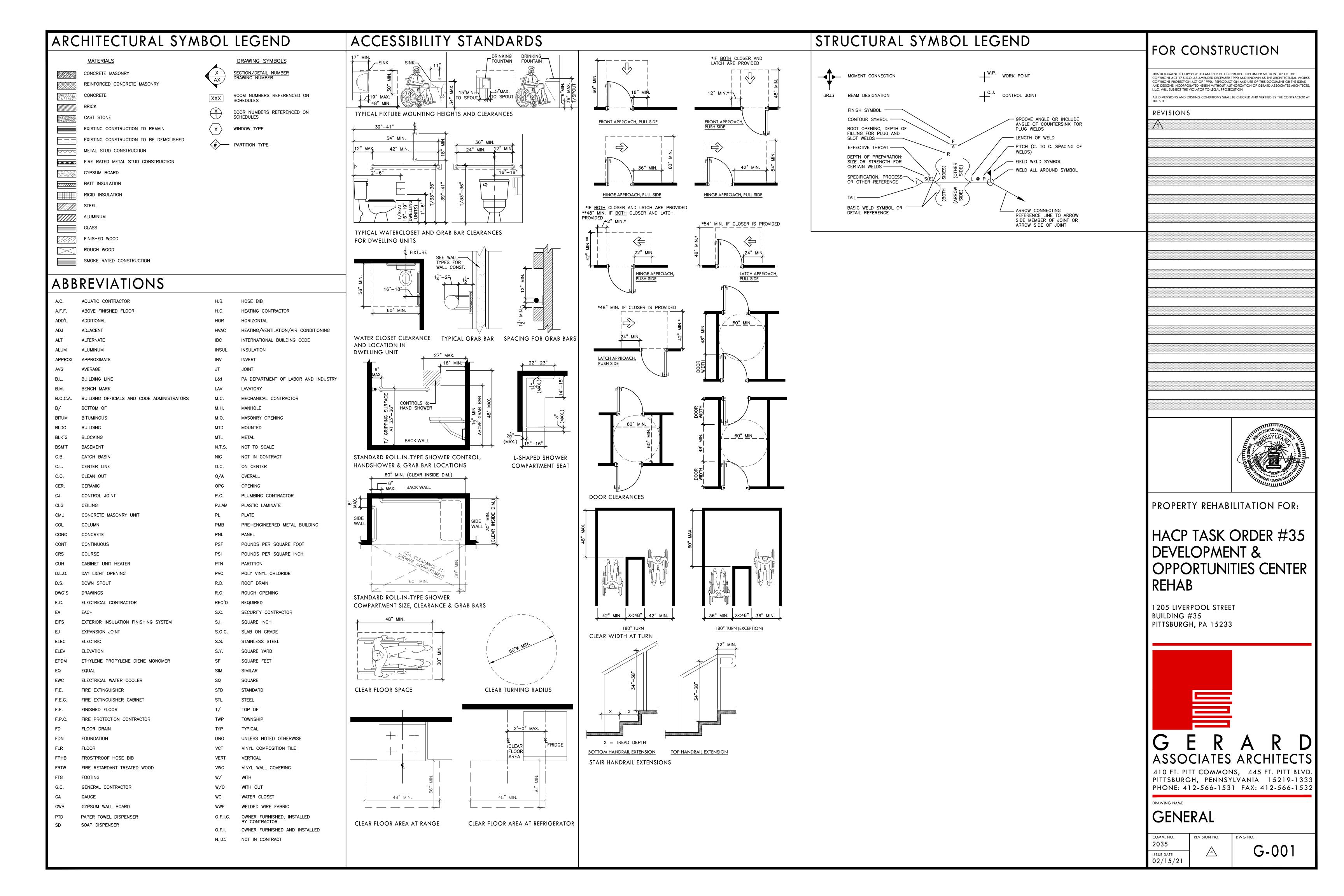
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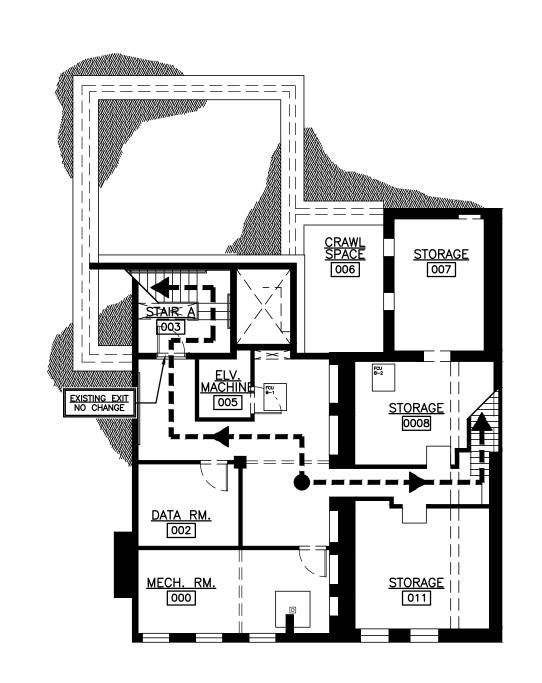
ARCHITECTURAL SITE PLAN

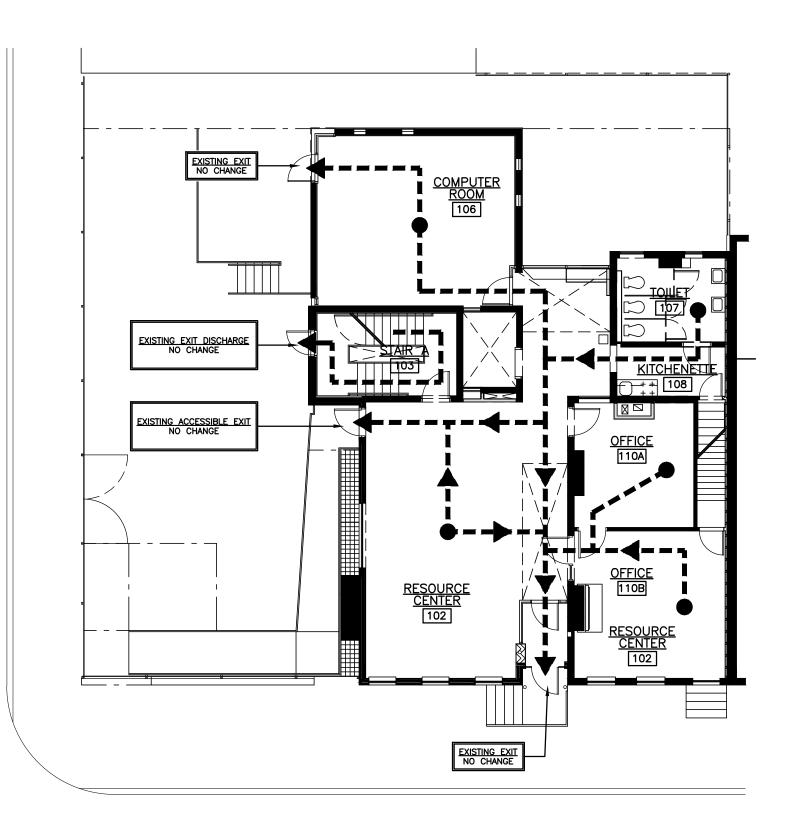
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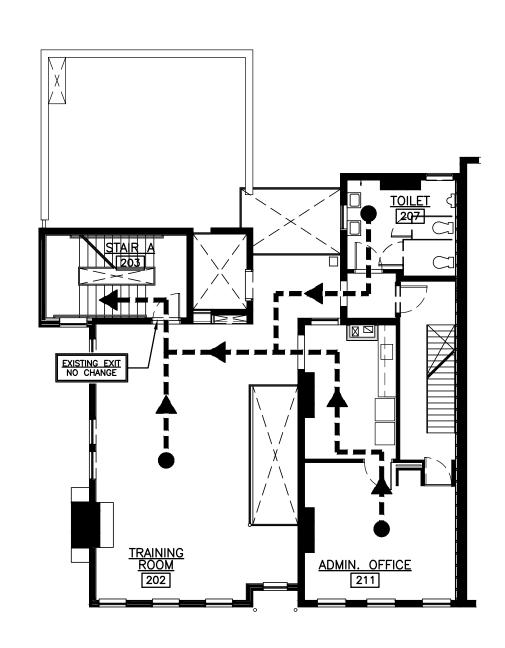
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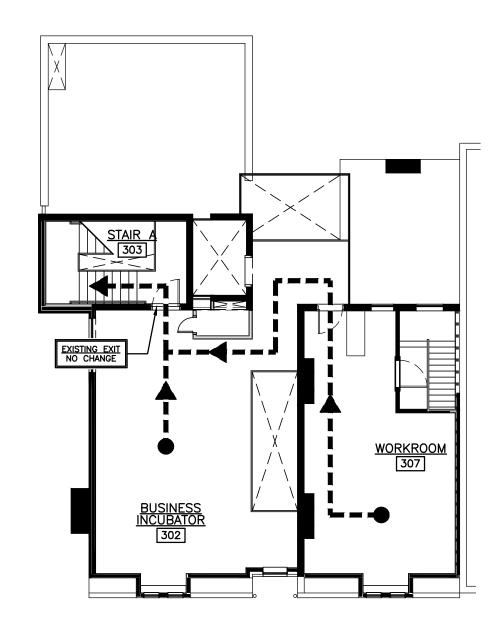
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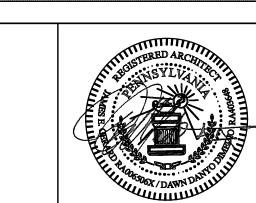












2015 INTERNATIONAL EXISTING BUILDING CODE INFORMATION CODE ITEM BEFERENCE

CODE ITEM REFERENCE	BUILDING DESIGN	CODE ITEM REFERENCE	BUILDING DESIGN	PROPER
CHAPTER 5 CLASSIFICATION OF WORK	WORK SHALL BE CLASSIFIED AS REPAIRS (502.1 STRUCTURAL REMEDIATION WORK), ALTERATION LEVEL 1 (503.1 ROOF RE-COVERING), AND ALTERATION LEVEL 2 (504.1 REPLACEMENT AND EXTENSION OF EXISTING MECHANICAL AND ELECTRICAL SYSTEMS)	CHAPTER 8 ALTERATION — LEVEL 2		1
CHAPTER 6 REPAIRS—STRUCTURAL REMEDIATION		801	ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2015.	HACP
602	NEW MATERIALS SHALL BE CONSISTENT WITH THE REQUIREMENTS OF THE IBC 2015. EXISTING MATERIALS WHICH CREATE AND UNSAFE OR DANGEROUS CONDITION SHALL BE REMOVED.	802	NO ALTERATION IS PROPOSED TO THE EXISTING OCCUPANCY AND USE.	DEVEL
603	THE EXISTING LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED - NO CHANGE.	803 BUILDING ELEMENTS/MATERIALS		OPPC
604	THE EXISTING MEANS OF EGRESS SHALL BE MAINTAINED - NO CHANGE.	803.2	NO ALTERATION TO THE EXISTING BUILDING VERTICAL OPENINGS IS PROPOSED.	REHA
605	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE.	803.3	SMOKE COMPARTMENT CONSTRUCTION DOES NOT COMPLY.	
606	NEW STRUCTURAL ELEMENTS SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2015.	803.4	NEW INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2015.	1205 LIVER
606.2.1	PROPOSED REPAIRS ARE FOR LESS THAN SUBSTANTIAL STRUCTURAL DAMAGE AND SHALL RESTORE THE WORK TO A PRE-DAMAGED CONDITION. THE AFFECTED COMPONENTS DO NOT SUPPORT MORE THAN 30% OF THE STRUCTURE'S FLOOR.	803.5	NO NEW CONSTRUCTION AFFECTING GUARDS IS PROPOSED.	BUILDING : PITTSBURG
607	NO ELECTRICAL REPAIRS ARE PROPOSED.	803.6	NO CHANGE TO EXISTING FIRE RATINGS IS PROPOSED.	
608	NO MECHANICAL REPAIRS ARE PROPOSED.	804	THE EXISTING LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED — NO CHANGE.	
609	NO PLUMBING REPAIRS ARE PROPOSED.	805	THE EXISTING MEANS OF EGRESS SHALL BE MAINTAINED - NO CHANGE.	
CHAPTER 7 ALTERATION — LEVEL 1		806	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED — NO CHANGE PROPOSED TO ACCESSIBLE BUILDING ELEMENTS OR AN AREA OF PRIMARY FUNCTION. THE BUILDING INCLUDES AN EXISTING ACCESSIBLE ROUTE.	-
702	ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC, IECC, IMC, AND IPC.	807	THE PROPOSED STRUCTURAL REMEDIATION WORK CLASSIFIES AS A REPAIR IN ACCORDANCE WITH CHAPTER 6.	
703	THE EXISTING LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED - NO CHANGE.	808	NEW ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70.	
704	THE EXISTING MEANS OF EGRESS SHALL BE MAINTAINED - NO CHANGE.	809 MECHANICAL		
705	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED — NO CHANGE PROPOSED TO ACCESSIBLE BUILDING ELEMENTS OR AN AREA OF PRIMARY FUNCTION. THE BUILDING INCLUDES AN EXISTING ACCESSIBLE ROUTE.	809.2	ALTERED EXISTING SYSTEMS SHALL COMPLY TO PROVIDE MANDATED VENTILATION.	
706	ROOF RE-COVERING IS PROPOSED.	810	PLUMBING WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IPC.	
706.1	MATERIALS AND METHODS OF APPLICATION FOR "RE-COVERING" THE EXISTING ROOF SHALL COMPLY WITH THE IBC.	811	NEW SYSTEMS SHALL COMPLY WITH THE IECC.	ASSO
706.2	EXISTING STRUCTURAL ROOF COMPONENTS ARE CAPABLE OF SUPPORTING THE NEW ROOF COVERING.	CHAPTER 15 CONSTRUCTION SAFEGUARDS	ALL WORK SHALL COMPLY WITH THE CONSTRUCTION SAFEGUARDS OF THIS CHAPTER.	410 FT. PITTSBURG
706.3	ROOF RE-COVERING IS PROPOSED.			PHONE: 4
706.4	NO COMBUSTIBLE, CONCEALED SPACE IS PROPOSED.			DRAWING NAME
706.5	NO REINSTALLATION OF MATERIALS IS PROPOSED.			CODE
706.6	NEW FLASHINGS SHALL COMPLY WITH THIS SECTION.			COMM. NO.
707	NO STRUCTURAL WORK IN ACCORDANCE WITH THIS SECTION IS PROPOSED.			2035
708	NO WORK ALTERING THE ENERGY CONSERVATION OR CONSUMPTION IN ACCORDANCE WITH THIS SECTION IS PROPOSED.			02/15/21

PROPERTY REHABILITATION FOR:

FOR CONSTRUCTION

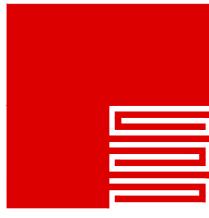
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CP TASK ORDER #35 'ELOPMENT & PORTUNITIES CENTER AB

IVERPOOL STREET NG #35 JRGH, PA 15233

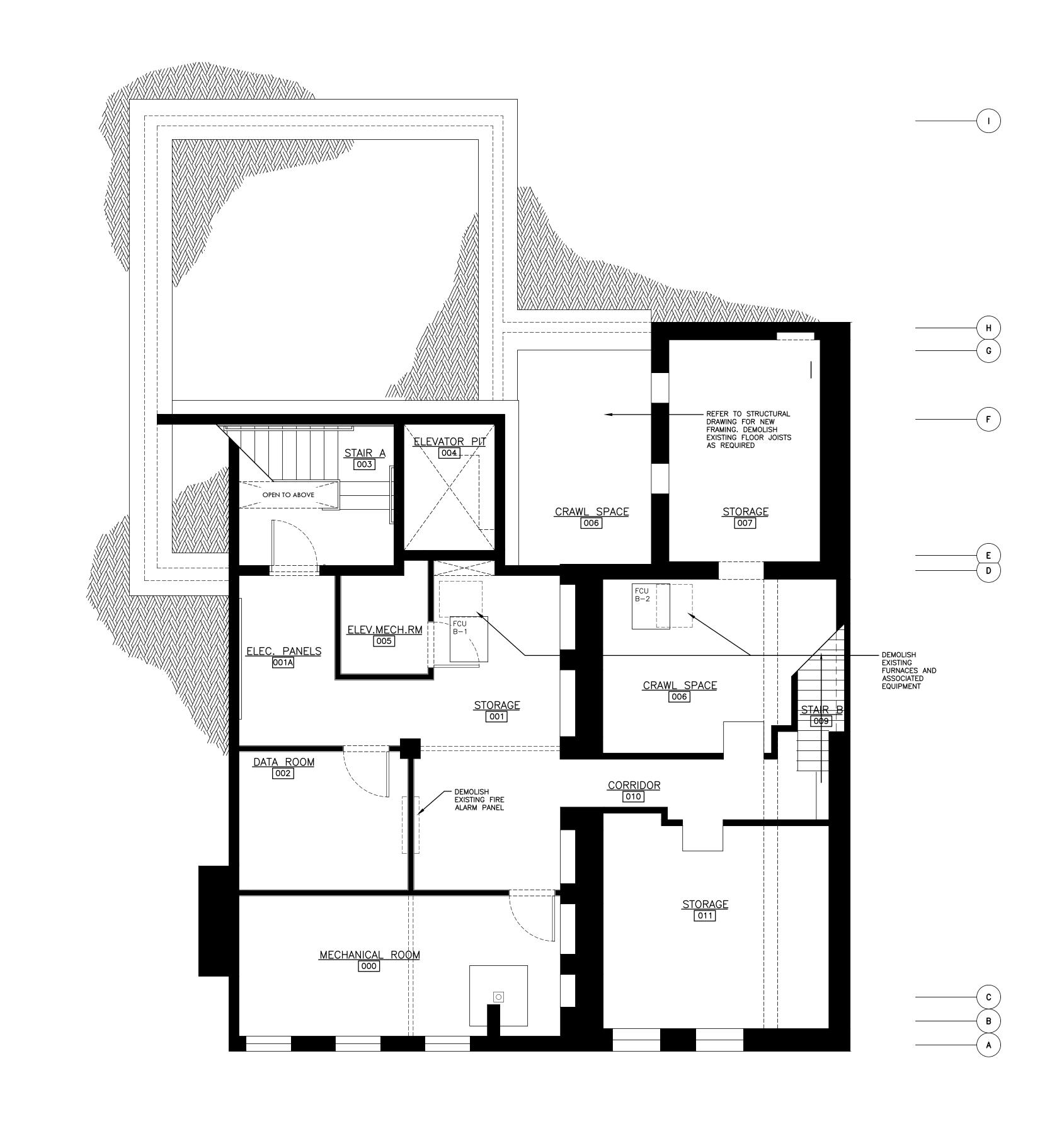


OCIATES ARCHITECTS

T. PITT COMMONS, 445 FT. PITT BLVD. URGH, PENNSYLVANIA 15219-1333 : 412-566-1531 FAX: 412-566-1532

DE SUMMARY

G-002





BASEMENT DEMOLITION PLAN

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

DEMOLITION GENERAL NOTES:

- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE OF WORK AS SHOWN ON THE FULL SET OF CONSTRUCTION DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO COMPLETE THE ASSOCIATED SCOPE OF NEW WORK. SYSTEMS AND ELEMENTS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- 3.) DEMOLITION SHALL NOT RESULT IN A DANGEROUS CONDITION.4.) WHERE TEMPORARY DEMOLITION OF A SYSTEM SCHEDULED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING
- 5.) WHERE NEW FLOORING IS SCHEDULED IN ACCORDANCE WITH DRAWING A-602, EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.



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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



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PHONE: 412-566-1531 FAX: 412-566-1532

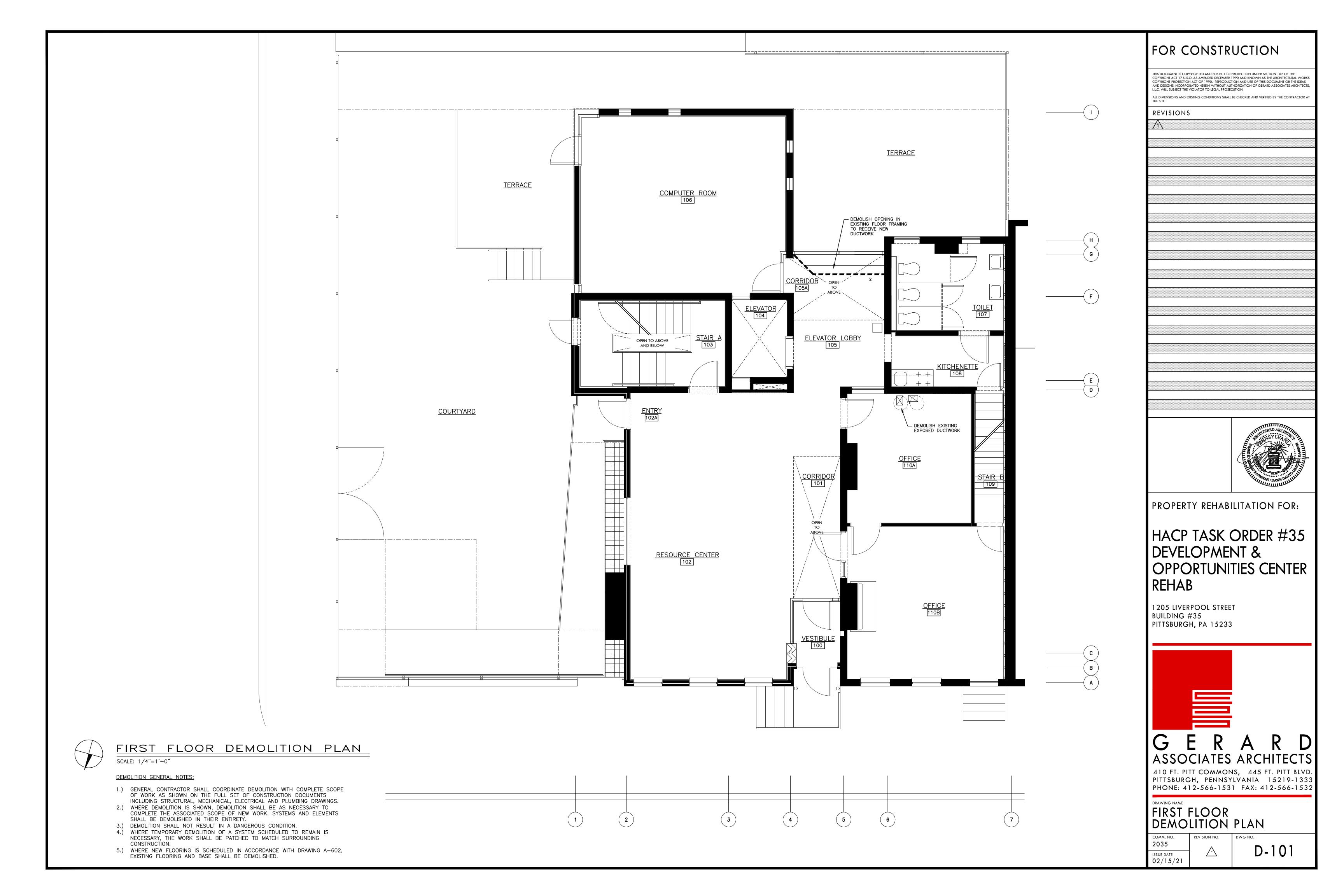
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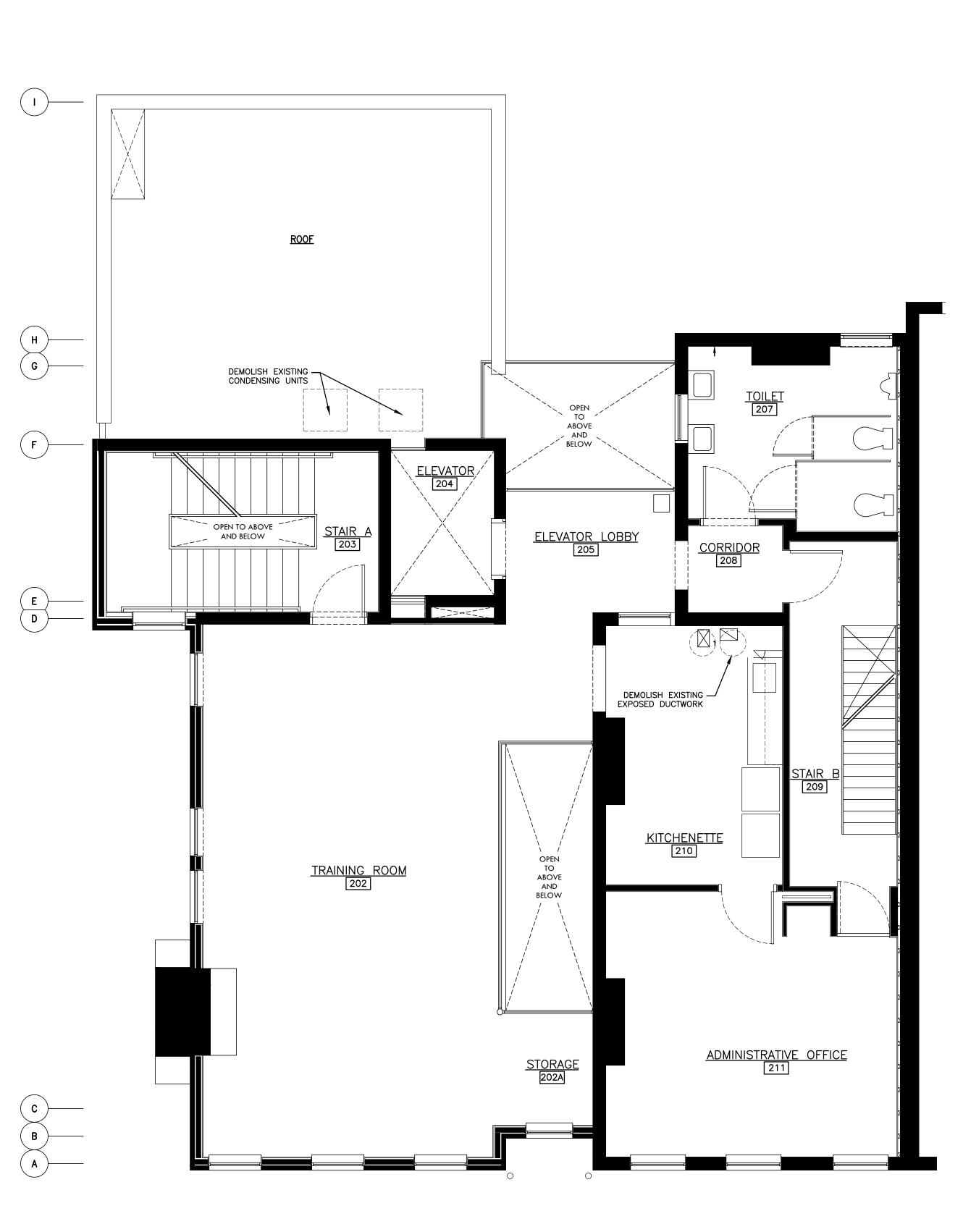
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BASEMENT DEMOLITION PLAN

COMM. NO. 2035

ISSUE DATE 02/15/21





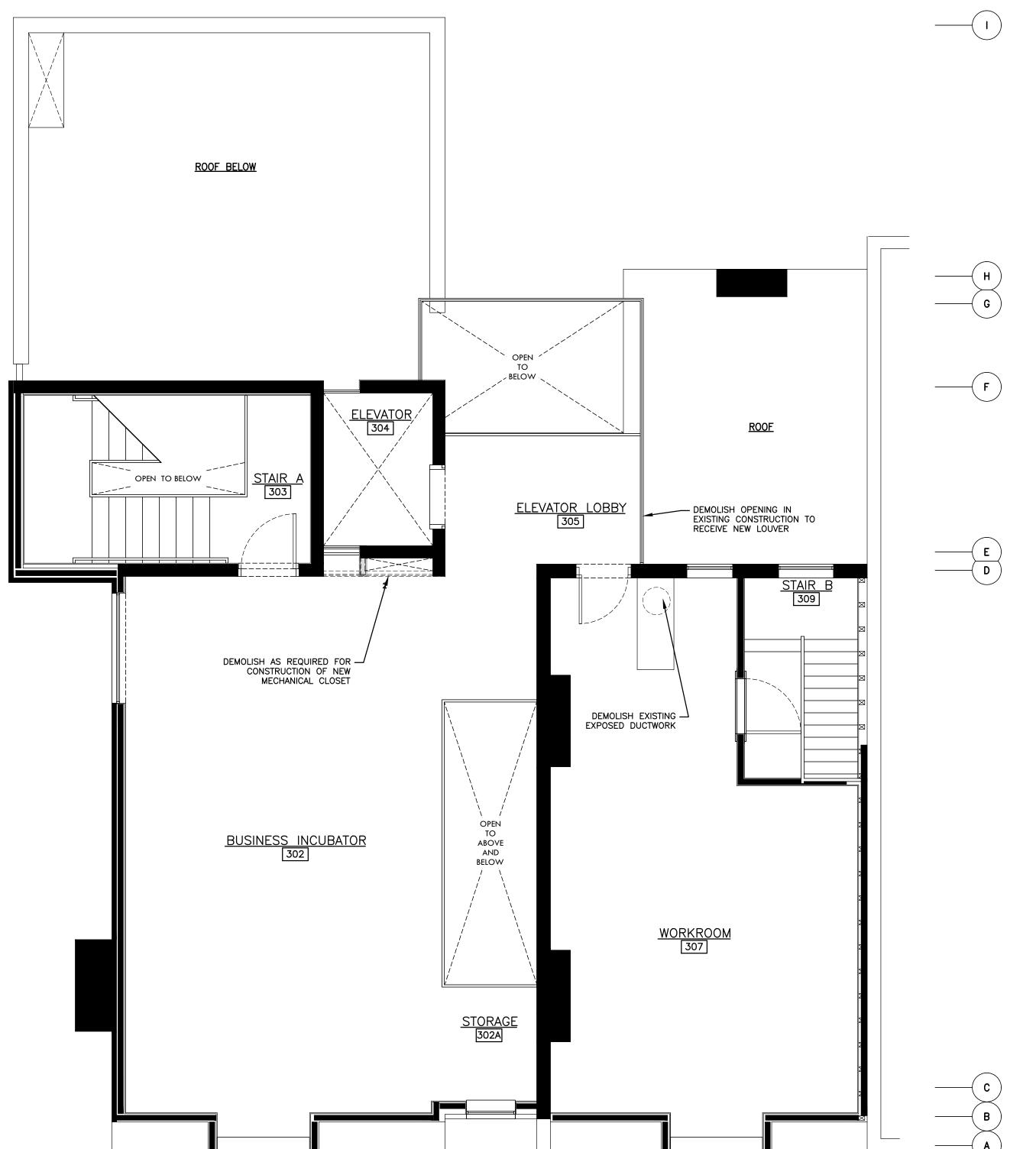


SECOND FLOOR DEMOLITION PLAN

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

DEMOLITION GENERAL NOTES:

- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE OF WORK AS SHOWN ON THE FULL SET OF CONSTRUCTION DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO COMPLETE THE ASSOCIATED SCOPE OF NEW WORK. SYSTEMS AND ELEMENTS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- JEMOLITION SHALL NOT RESULT IN A DANGEROUS CONDITION.WHERE TEMPORARY DEMOLITION OF A SYSTEM SCHEDULED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING
- 5.) WHERE NEW FLOORING IS SCHEDULED IN ACCORDANCE WITH DRAWING A-602, EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.





THIRD FLOOR DEMOLITION PLAN

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

DEMOLITION GENERAL NOTES:

- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE OF WORK AS SHOWN ON THE FULL SET OF CONSTRUCTION DOCUMENTS
- INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO COMPLETE THE ASSOCIATED SCOPE OF NEW WORK. SYSTEMS AND ELEMENTS
- SHALL BE DEMOLISHED IN THEIR ENTIRETY.

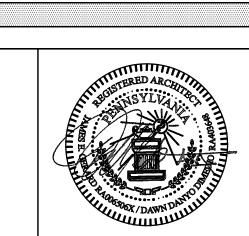
 3.) DEMOLITION SHALL NOT RESULT IN A DANGEROUS CONDITION.
- 4.) WHERE TEMPORARY DEMOLITION OF A SYSTEM SCHEDULED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING
- 5.) WHERE NEW FLOORING IS SCHEDULED IN ACCORDANCE WITH DRAWING A-602, EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



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410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

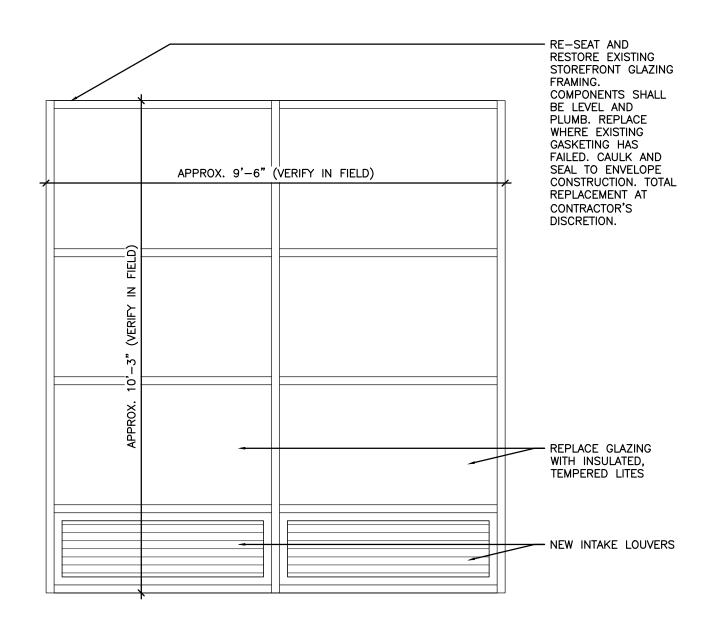
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SECOND & THIRD FLOOR DEMOLITION PLAN

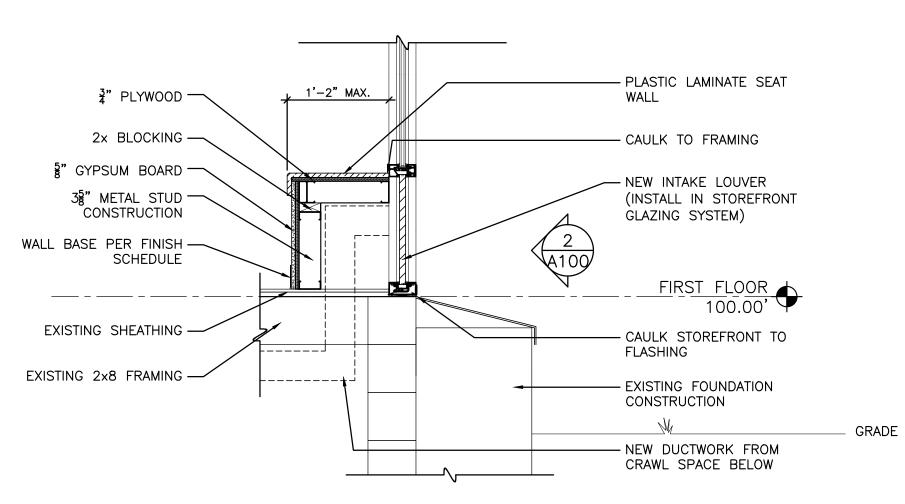
COMM. NO. 2035

ISSUE DATE 02/15/21

REVISION NO. DWG NO. D-102



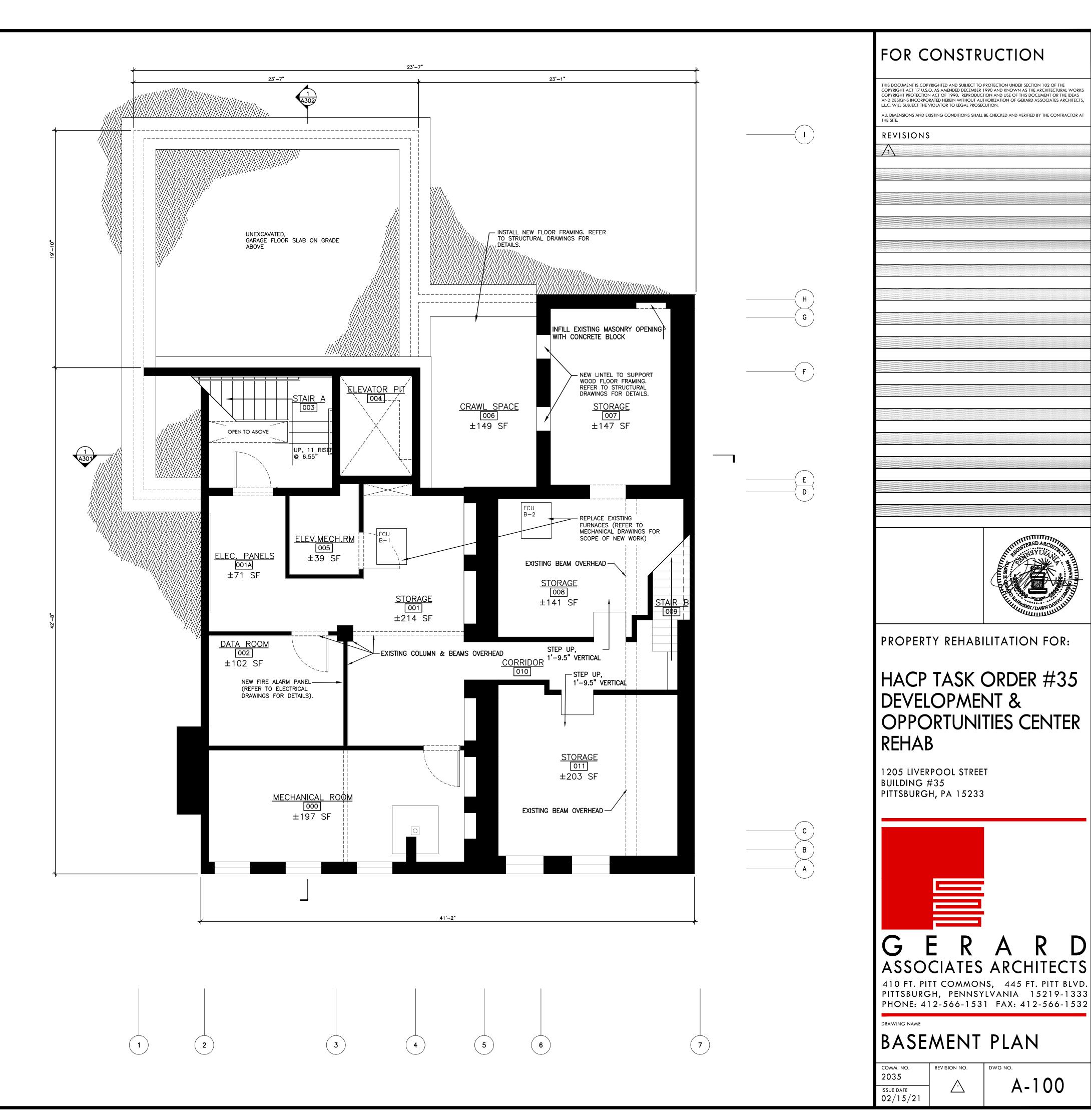
GLAZING/STOREFRONT ELEVATION (2) SCALE: 3/4"=1'-0





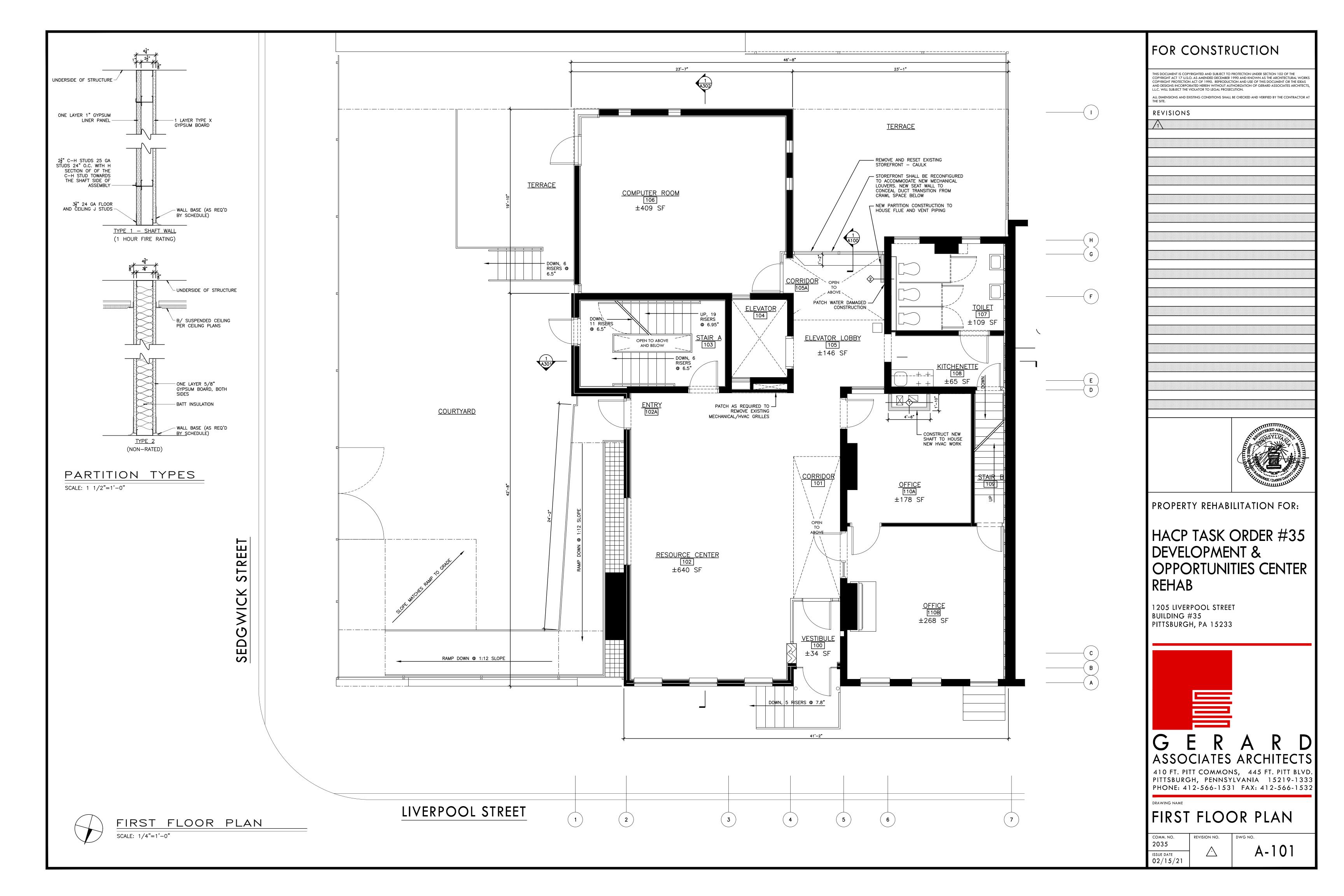
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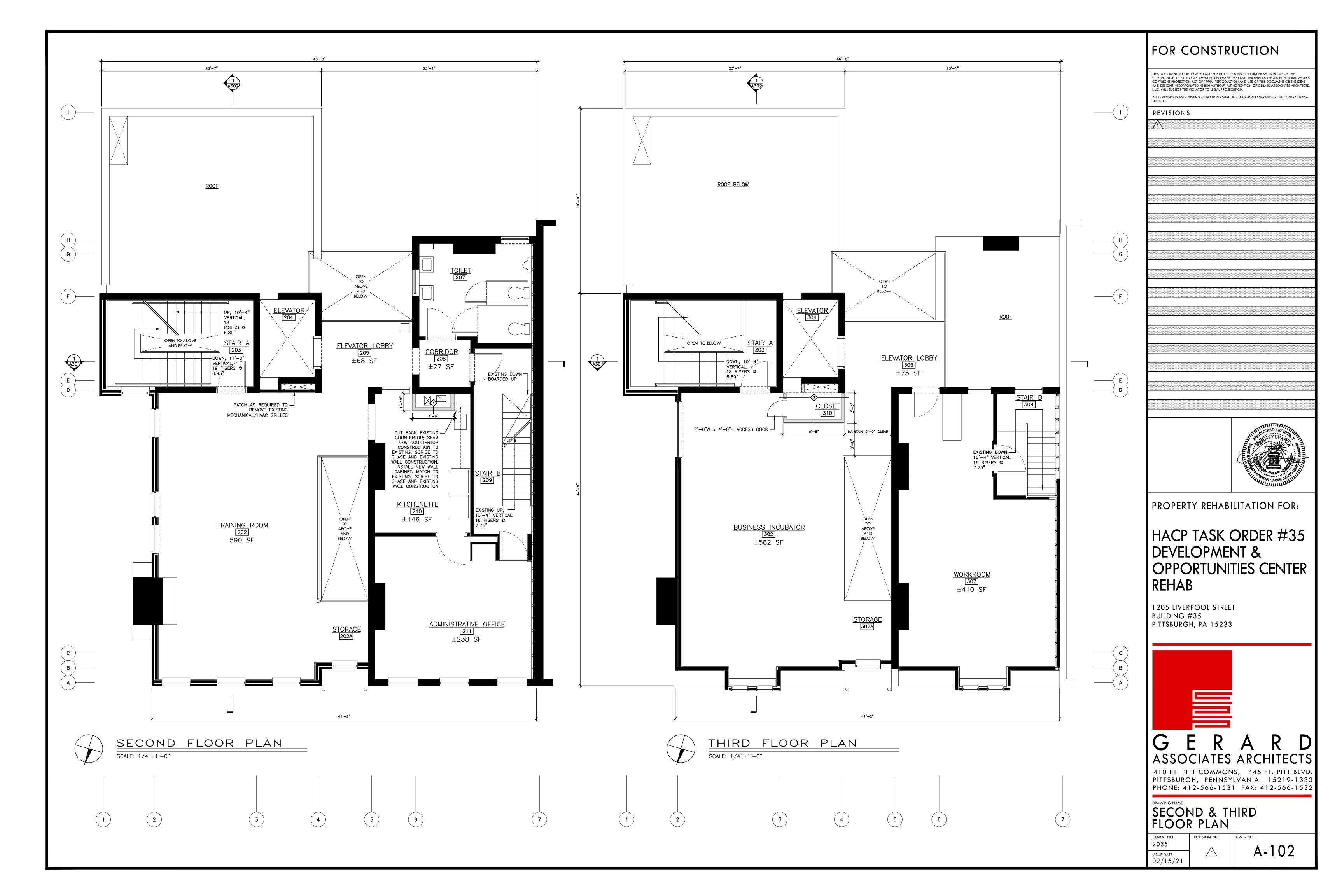
BASEMENT FLOOR PLAN

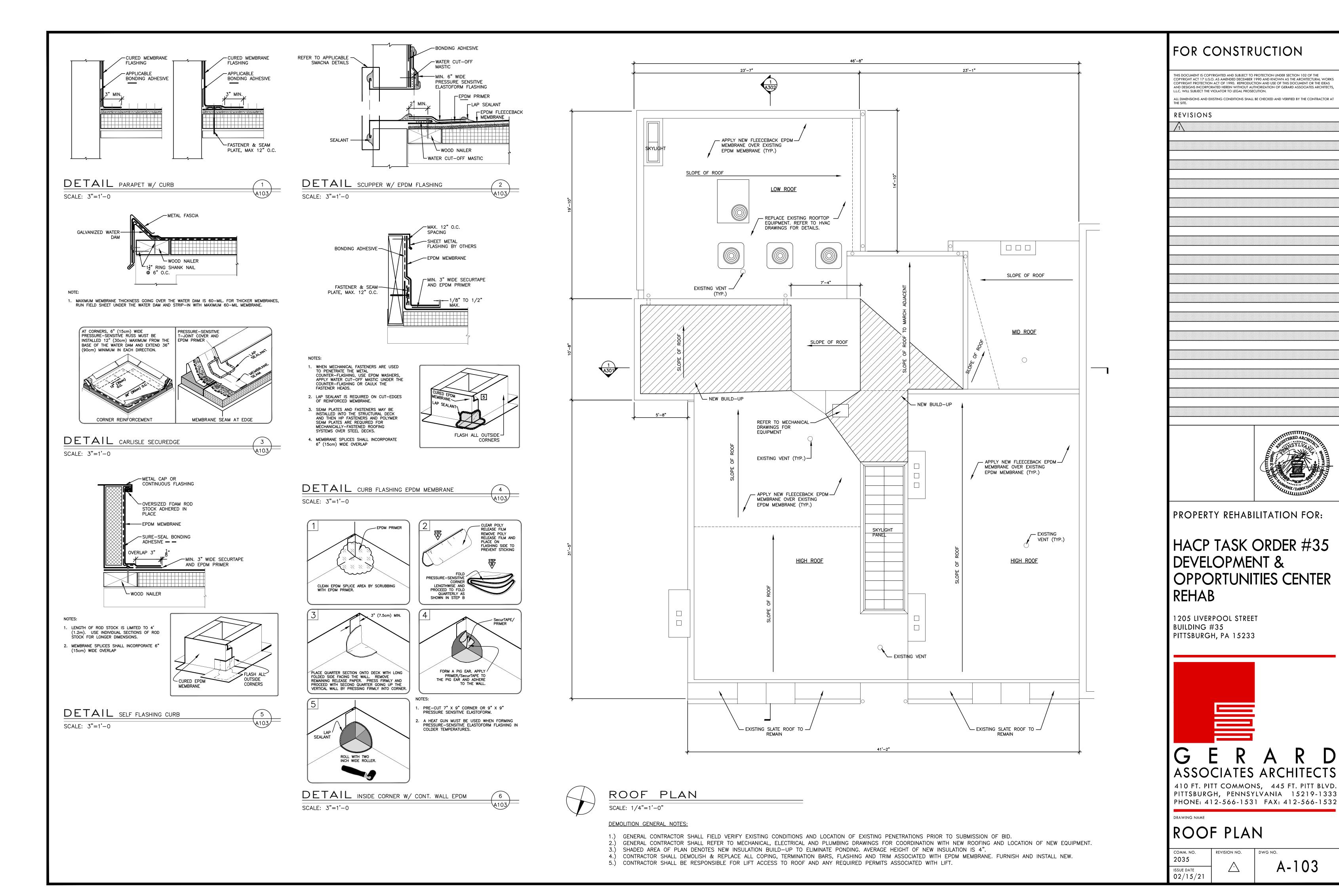


REVISION NO.

A-100







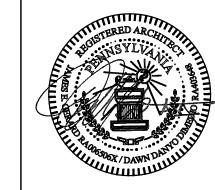


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HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

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PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

DDAMING NAME

NORTH ELEVATION

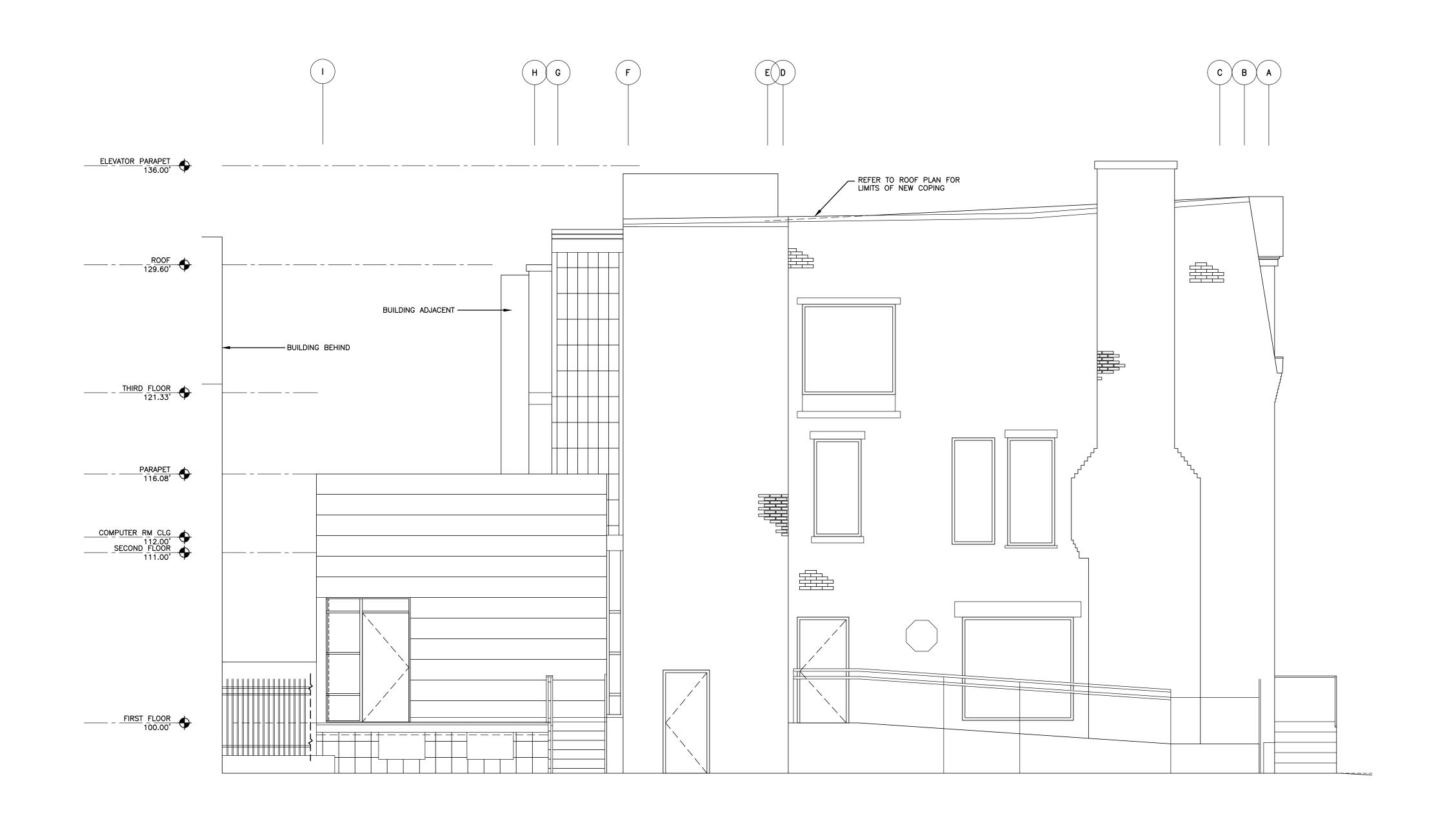
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ISSUE DATE 02/15/21

REVISION NO. DWG NO. A - 201

NORTH ELEVATION

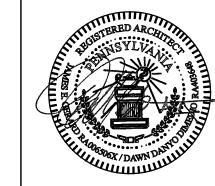
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DRAWING NAME

EAST ELEVATION

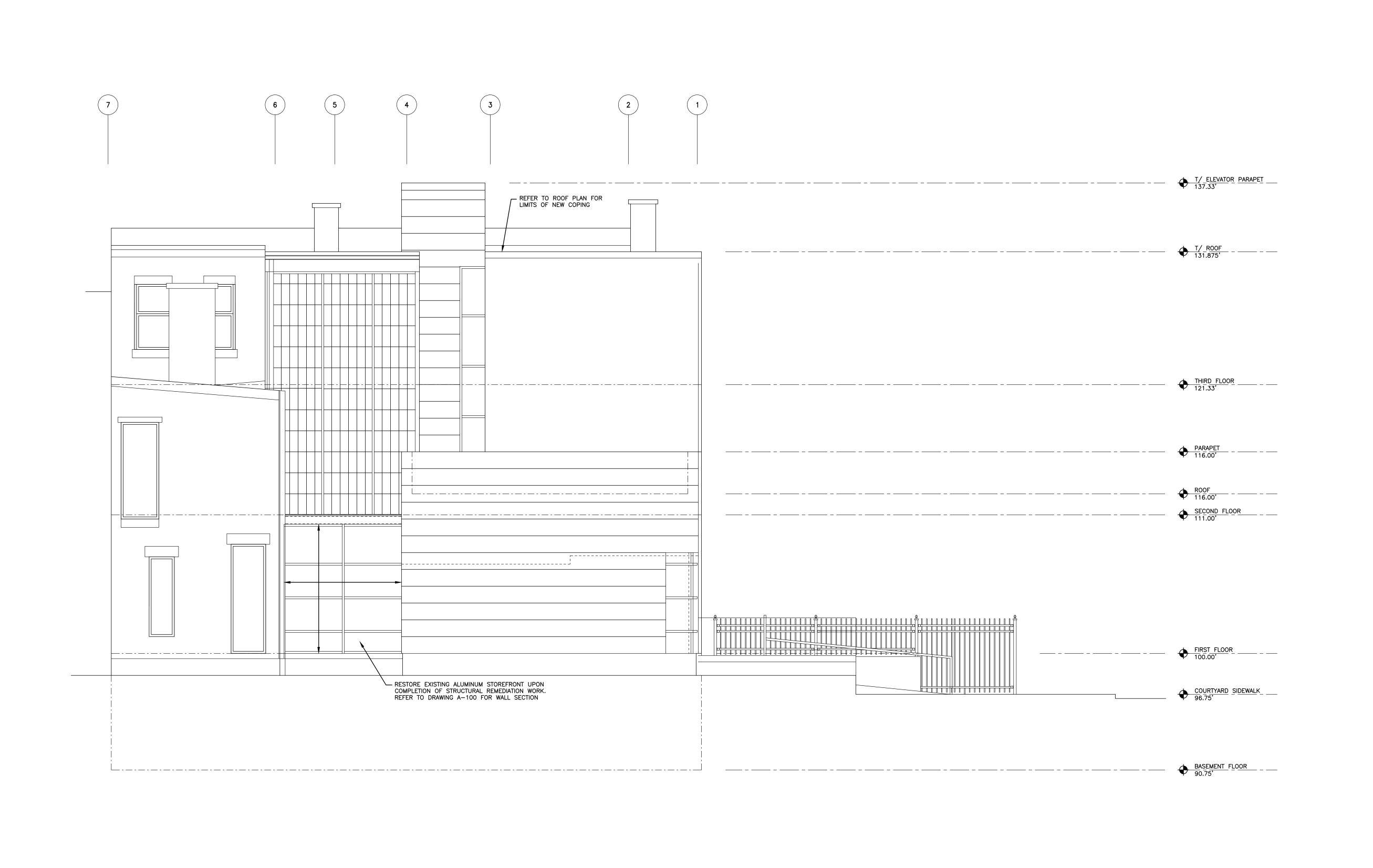
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REVISION NO. DWG NO. A - 202

EAST ELEVATION

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PROPERTY REHABILITATION FOR:

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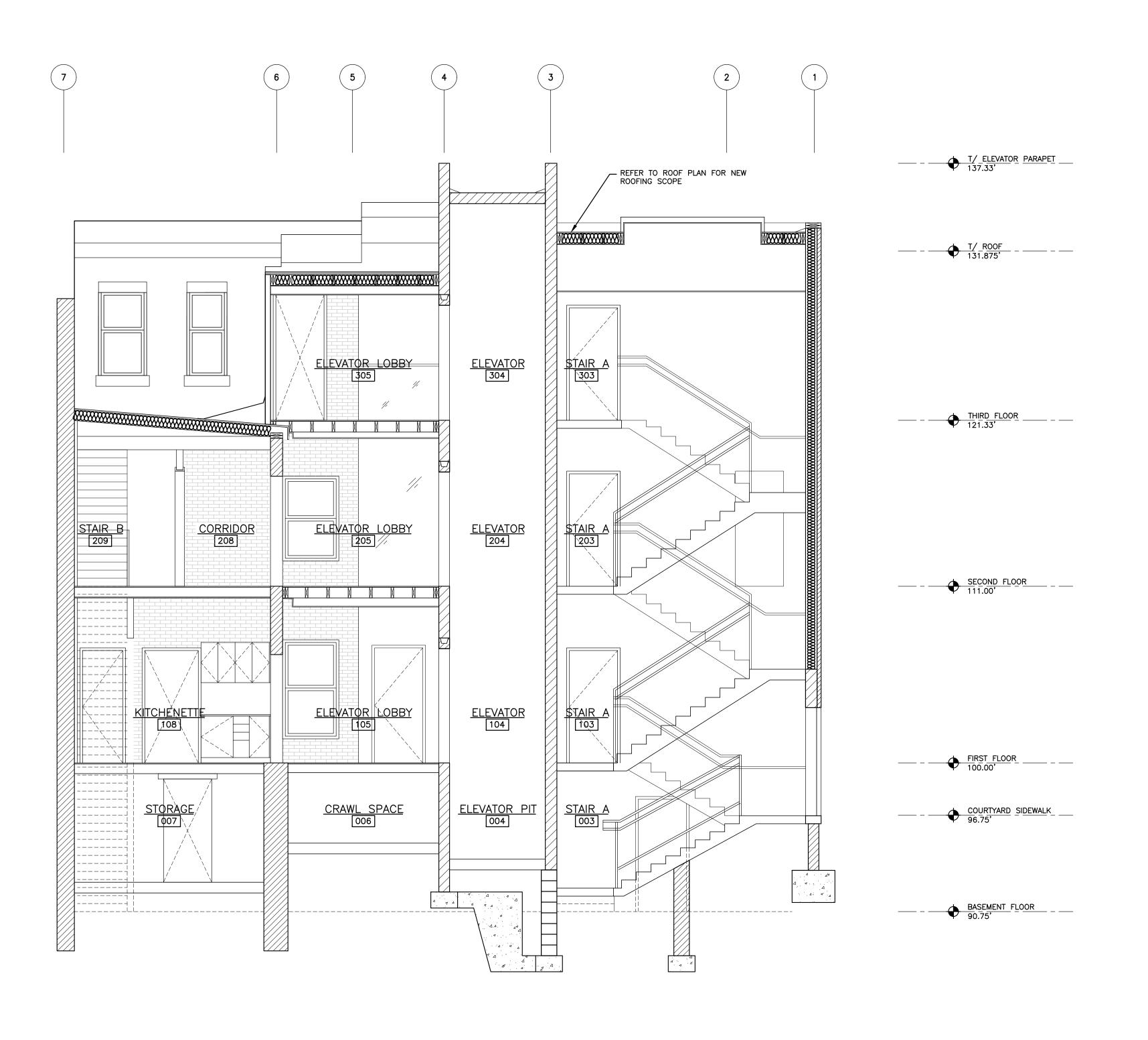
DRAWING NAME

SOUTH ELEVATION

COMM. NO. 2035

ISSUE DATE 02/15/21

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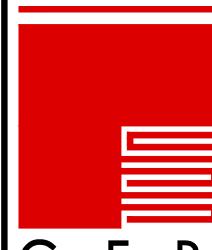
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

DDAWING NAME

BUILDING SECTIONS

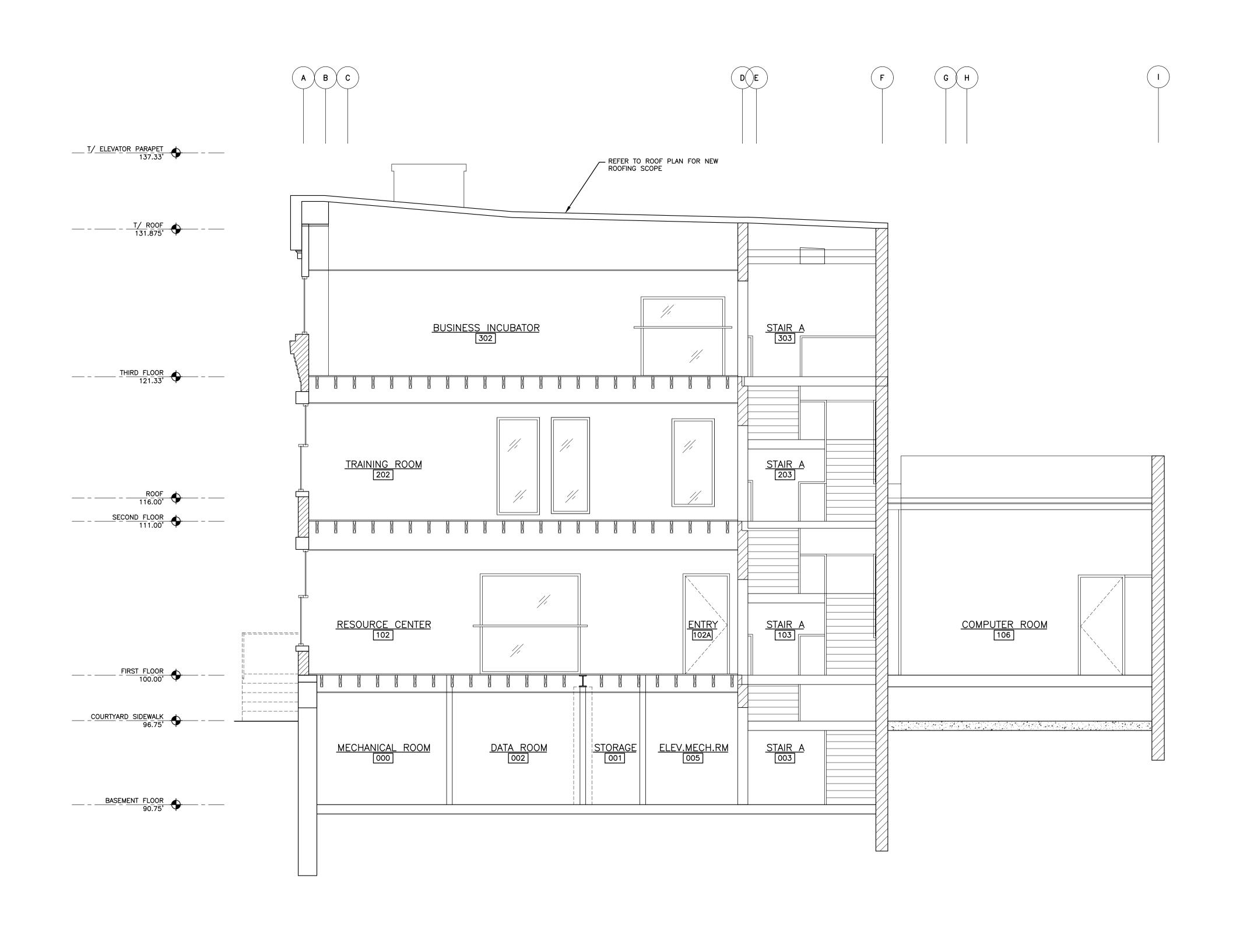
COMM. NO. 2035

ISSUE DATE 02/15/21

REVISION NO. DWG NO. A - 301

BUILDING SECTIONS

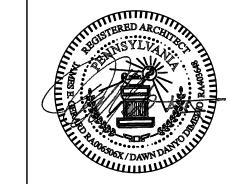
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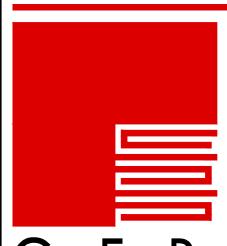
REVISIONS



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



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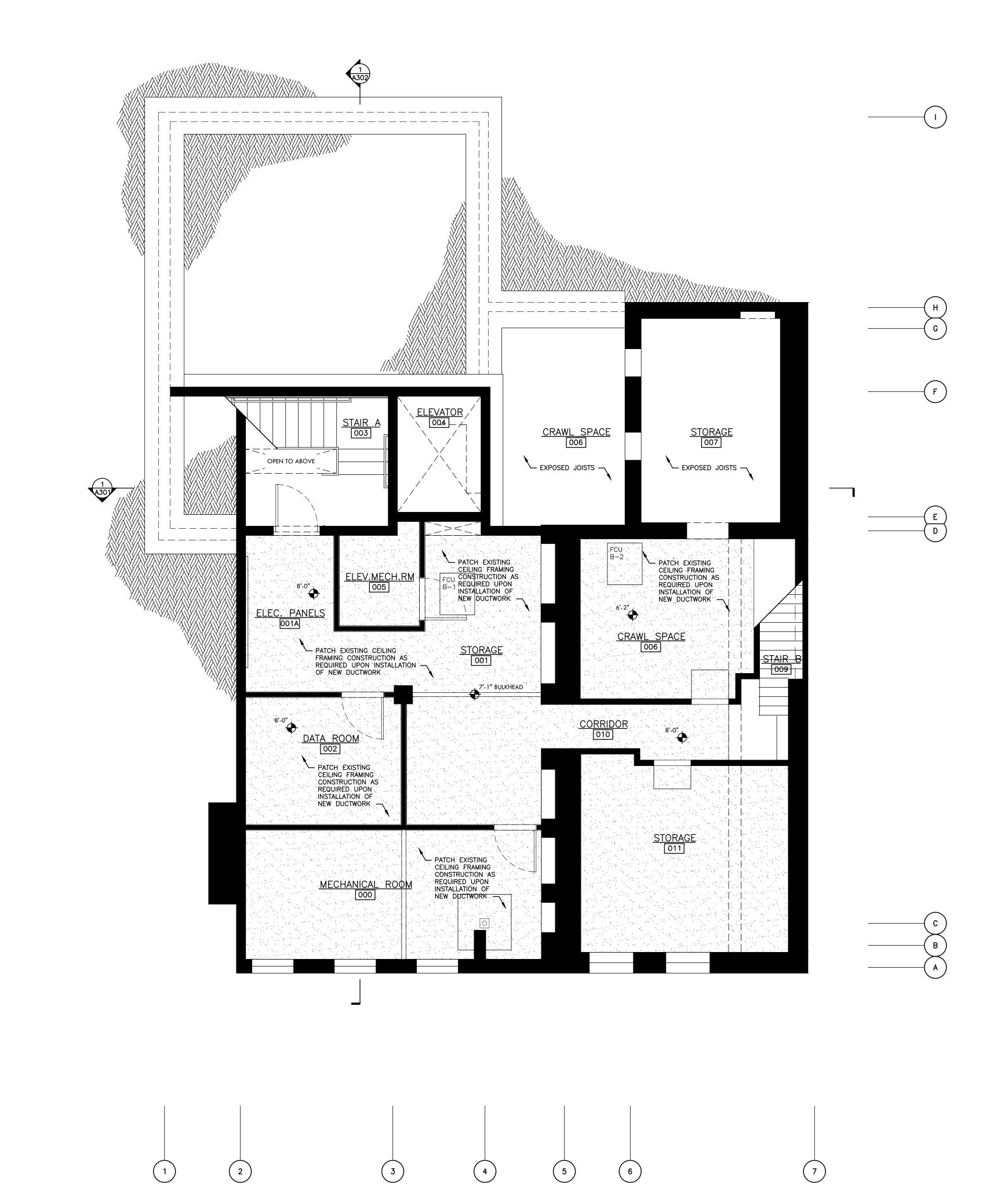
BUILDING SECTIONS

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BUILDING SECTIONS

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





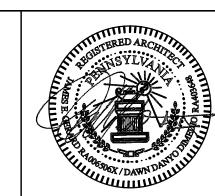
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all dimensions and existing conditions shall be checked and verified by the contractor at the site.

REVISIONS

12-11-2017 INTERIOR DESIGN ISSUE





PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

DDAWING NAME

BASEMENT REFLECTED CEILING PLAN

COMM. NO. 2035

ISSUE DATE 02/15/21

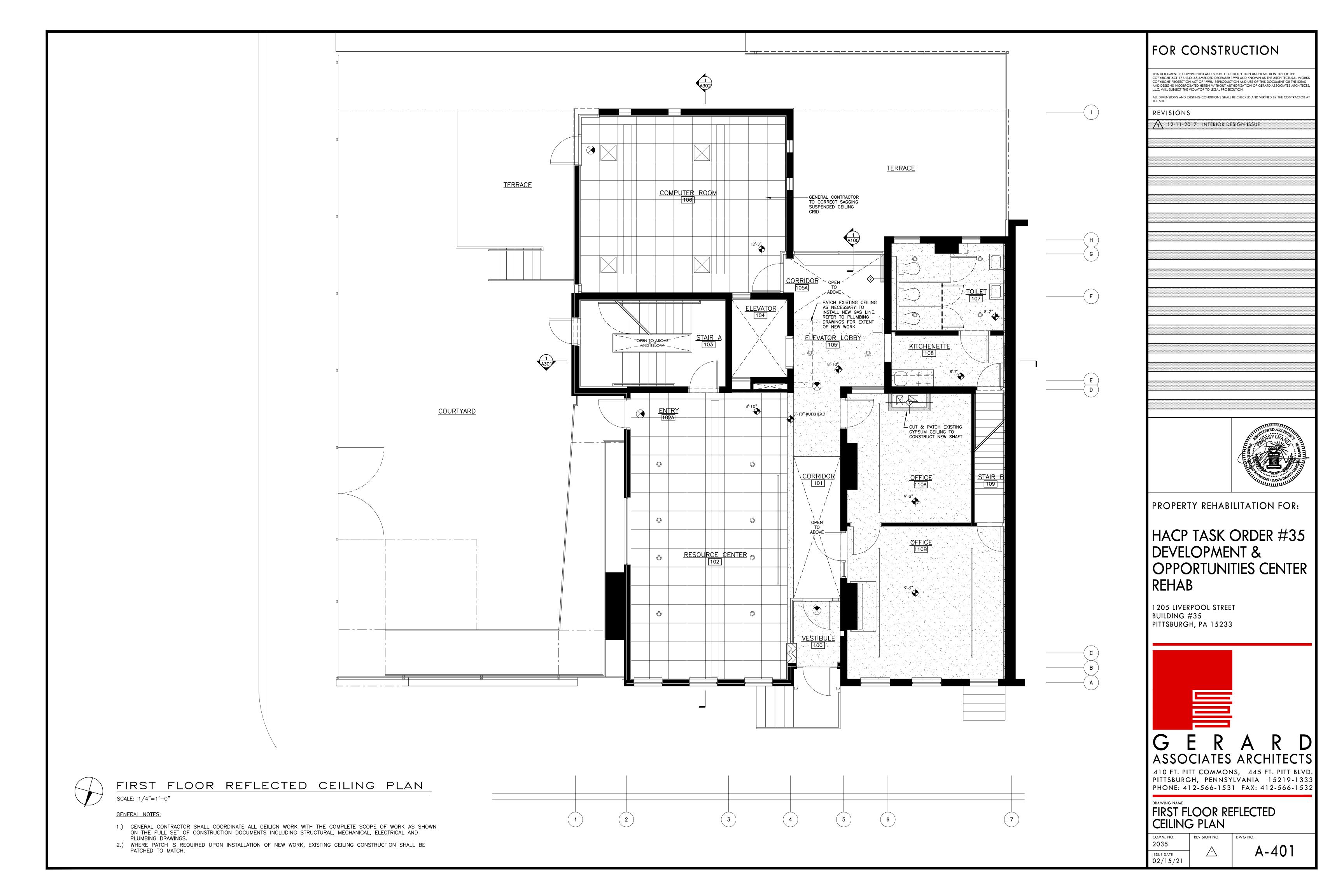
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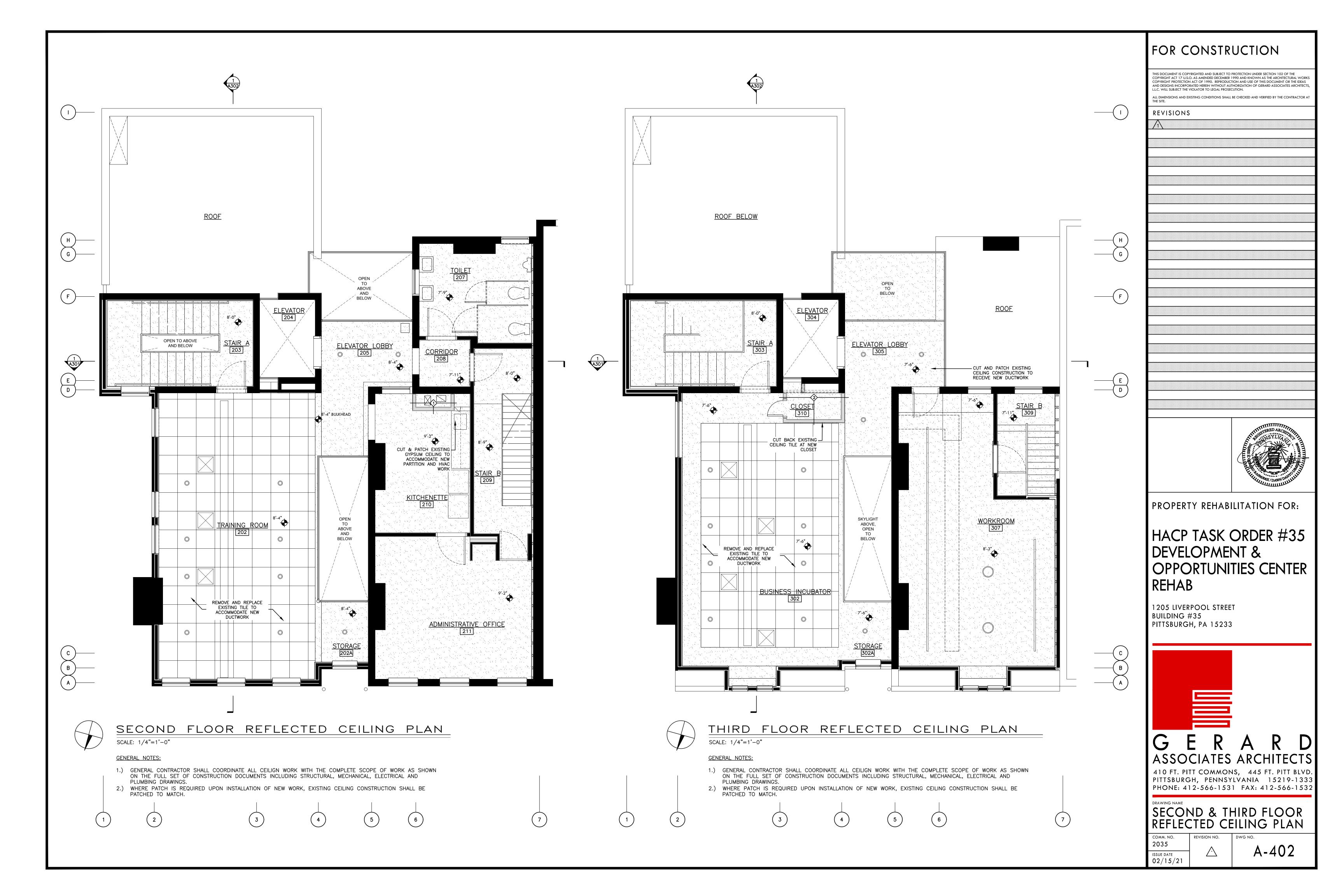


SCALE: 1/4"=1'-0"

GENERAL NOTES:

- 1.) GENERAL CONTRACTOR SHALL COORDINATE ALL CEILIGN WORK WITH THE COMPLETE SCOPE OF WORK AS SHOWN ON THE FULL SET OF CONSTRUCTION DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND
- 2.) WHERE PATCH IS REQUIRED UPON INSTALLATION OF NEW WORK, EXISTING CEILING CONSTRUCTION SHALL BE PATCHED TO MATCH.





	FLOOR	BASE WALLS	FINISH SCHEDI CEILING CEILING HEIGHT S	SPECIAL TRIM OR EQUIPMENT	REMARKS	FOR CONSTRUCTION
		DASE WALLS	CEILINO TILIOTTI	SILL (NUMBER REQUIRED INDICATED)	WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	THIS DOCUMENT IS COPYRIGHTED AND SUBJECT TO PROTECTION UNDER SECTION 102 OF THE COPYRIGHT ACT 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS THE ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. REPRODUCTION AND USE OF THIS DOCUMENT OR THE IDEAS AND DESIGNS INCORPORATED HEREIN WITHOUT AUTHORIZATION OF GERARD ASSOCIATES ARCHITECTS, L.L.C. WILL SUBJECT THE VIOLATOR TO LEGAL PROSECUTION.
	BASE BID		(ACT-1)			ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE. REVISIONS
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Z ∑ O O POOM NAME	F1 F2 F3 F4 F5 F6 F7 F8 F9 F1	10 F11 F12 B1 B2 B3 B4 B5 W1 W2 W3 W4 W5 W6 W7 W8 W9 W10 W	W11W12W13W14W15W16 C1 C2 C3 C4 C5 C6 C7 CH1CH2CH3CH4CH5CH6 S1	SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9 SP10	SP11	
BASEMENT 000 MECHANICAL ROOM 001 STORAGE 001A ELECTRICAL PANELS	F3 F3 F3	B3 W1 B3 W1	C4 CH5 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
002 DATA ROOM 003 STAIR A 005 ELEVATOR MACHINE ROOM	F3 F3 F3	B3 W1 B3 W3 B3 W3	C4 CH5 CH5 CH5 CH5 CH5 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
006	F3 F3 F3 F3	B3 W1 B3 W3 B3 W3 B3 W3 B3 W3	C4 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
FIRST FLOOR 100 VESTIBULE 101 CORRIDOR 102 RESOURCE CENTER 102A ENTRY	F3 F3 F3 F3	B3 W1 B3 W1 B3 W1	C4 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
103 STAIR A 105 ELEVATOR LOBBY 105A CORRIDOR	F3 F1 F1	B1 W1 B1 W1 B1 W1	C4 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
106 COMPUTER ROOM 107 TOILET 108 KITCHENETTE 109 STAIR B 110A OFFICE 110B OFFICE	F1	B1	C4 CH5 CH5 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
SECOND FLOOR 202 TRAINING ROOM 202A STORAGE 203 STAIR A 205 ELEVATOR LOBBY 207 TOILET		B1 W1 W1 B3 W3 B1 W1 W1 W1 W3 W1			WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	
208 CORRIDOR 209 STAIR B 210 KITCHENETTE 211 ADMINISTRATIVE OFFICE	F1 F3 F1 F1	B1 W1 W3 B3 W3 B1 B1 W1	C4 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES.	THE TERED ARCHITICAL SYLVANICATION OF THE PROPERTY OF THE PROP
THIRD FLOOR 302 BUSINESS INCUBATOR 302A STORAGE 303 STAIR A 305 ELEVATOR LOBBY 307 WORKROOM 309 STAIR B 310 CLOSET	F1 F3 F1 F1 F1		C4 CH5		WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. WHERE NEW WORK REQUIRES PARTIAL DEMOLITION AND PATCH, RECONSTRUCTION SHALL MATCH ADJOINING FINISHES. COORDINATE CONSTRUCTION OF ROOM WITH NEW HVAC WORK.	PROPERTY REHABILITATION FOR:
						HACP TASK ORDER #35
						DEVELOPMENT & OPPORTUNITIES CENTER REHAB
						1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233
						GERARD ASSOCIATES ARCHITECTS 410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532
						FINISH SCHEDULE
						COMM. NO. 2035 ISSUE DATE 02/15/21 REVISION NO. DWG NO. A-602

GENERAL NOTES

1.0 GENERAL

- 1.1 The structural drawings shall govern the work for structural features, unless otherwise noted. Discrepancies between the architectural and structural drawings shall be reported to the architect and engineer for review and clarification before proceeding with related work.
- 1.2 In case of conflict between the General Notes, Specifications, and Drawings regarding structural issues, the Contractor shall submit an
- 1.3 Work not indicated on a part of the drawings, but reasonably implied to be similar to that shown at corresponding places, shall be repeated.
- 1.4 The contractor is responsible for means and methods of construction and construction procedures, fabrication processes, coordination of work with other trades and job site safety.
- 1.5 Existing building information shown is as indicated on existing building drawings] [and] [from field observation. Information shown may not necessarily reflect actual conditions. The Contractor shall field verify existing building information shown (dimensions, elevations, etc.) and notify the Architect of any discrepancies prior to fabrication of any structural component.
- 1.6 The structure has been designed for its final/in use condition. Temporary bracing, sheeting, shoring, etc., required to ensure the structural integrity/stability of the structure, adjacent existing structures, sidewalks, utilities, etc., during construction is the Contractor's responsibility and shall be designed by a Registered Professional Engineer employed by the Contractor. Contractor shall be required to demolish owner furnished scaffolding and install temporary shoring upon award of contract.
- 1.7 Information contained on the hard copy of this drawing retained by Keystone Structural Solutions controls over variances or changes that might be introduced due to plotting by others via electronic document transfer.
- 1.8 The distribution and/or use of the electronic files of the structural drawings is strictly prohibited unless written authorization is provided by Keystone Structural Solutions.
- 1.9 The structural construction documents are instruments of professional services and shall remain the property of KSS. The documents are not intended or represented to be suitable for reuse by the Client or others on extensions of this project or on any other project.

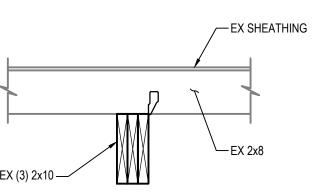
2.0 <u>DESIGN CRITERIA</u>

- 2.1 Design Codes:
 - a. IBC 2015 b. ANSI/ASCE-7 2010
 - c. PA Uniform Construction Code (UCC)
- 2.2 Live Loads:
 - a. Common Area

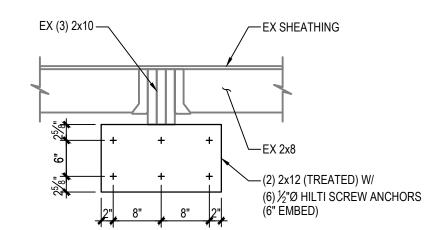
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3.0 STRUCTURAL WOOD

- 3.1 Design, fabrication and construction of wood framing shall conform
 - a. "Timber Construction Manual", latest edition, as adopted by the American Institute of Timber Construction (AITC), including the "Code of Standard Practice". AITC 106.
 - b. "National Design Specifications for Wood Construction" (NDS), latest edition.
 - c. Design Specifications for Metal Plate Connected Wood Trusses" (TPI-85), and for "Parallel Chord Wood Trusses" (PCT-80).
 - d. Commentary & Recommendations for Handling, Installing and Bracing Metal Plate Connected Wood Trusses" (TPI/HIB-91).
- 3.2 Sawn lumber shall be Spruce-Pine-Fir (SPF) No.1/No.2 or better, graded in accordance with the NFPA National Design Specification with the following base design values:
 - a. Fb=875 psi (bending single member use)
 - b. Fv=135 psi (horizontal shear)
 - c. Fc=1150 psi (compression parallel to grain) d. E=1,400,000 psi (modulus of elasticity)
- 3.3 Parallel Strand Lumber (PSL) shall be as manufactured by iLevel (Parallam) or equal with the following base design values:
 - a. Fb=2900 psi (bending)
 - b. Fv=290 psi (horizontal shear) c. Fc=2900 psi (compression parallel to grain)
 - d. E=2,000,000 psi (modulus of elasticity)
- 3.4 If alternate manufactured products are used, the contractor is responsible for confirming that those products design properties are equal to or greater than those specified.
- 3.5 Plywood or OSB sheathing shall be in conformance with American Plywood Association (APA) specifications. Panels should be installed with a 1/8" spacing at all panel end and edge joints. Floor sheathing to be glued and nailed.
- 3.6 Wood sills, sleepers, blocking, furring, stripping and similar concealed members in contact with masonry or concrete shall be preservative treated by pressure process in accordance with AWPA UC2.

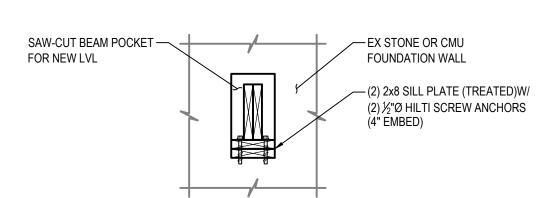




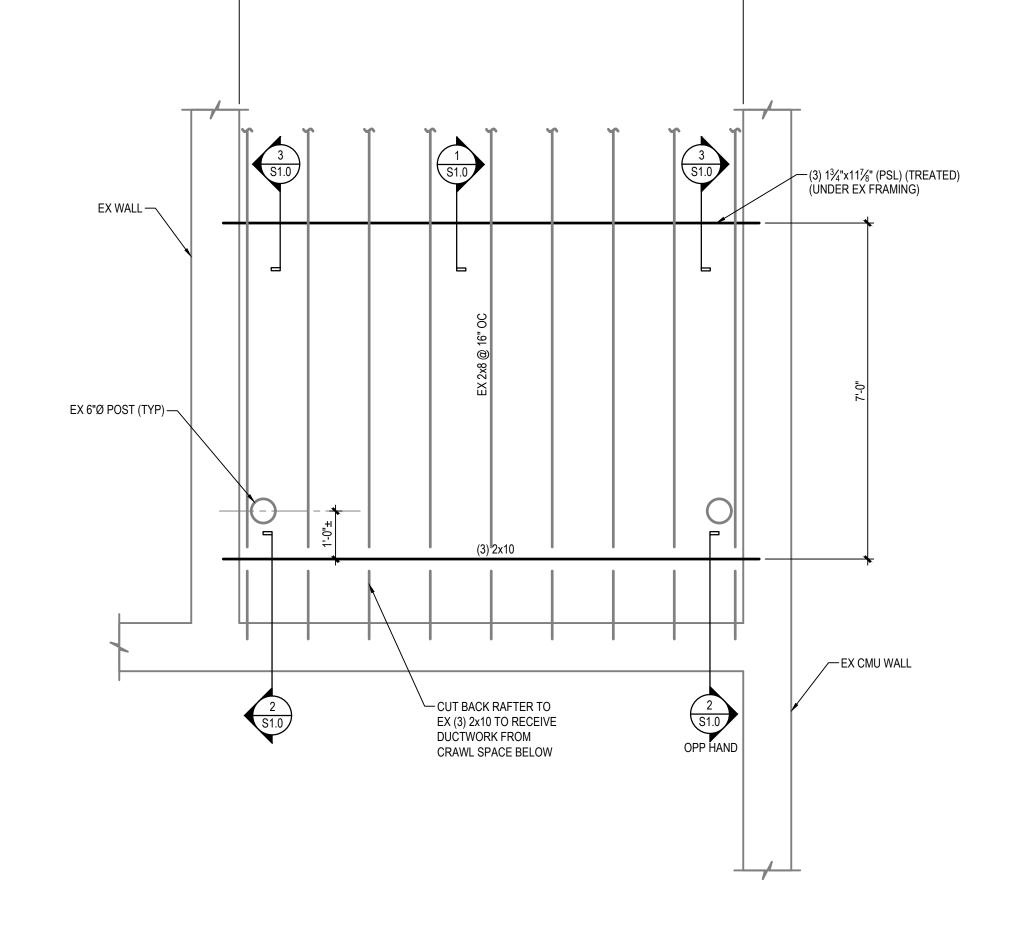


SECTION



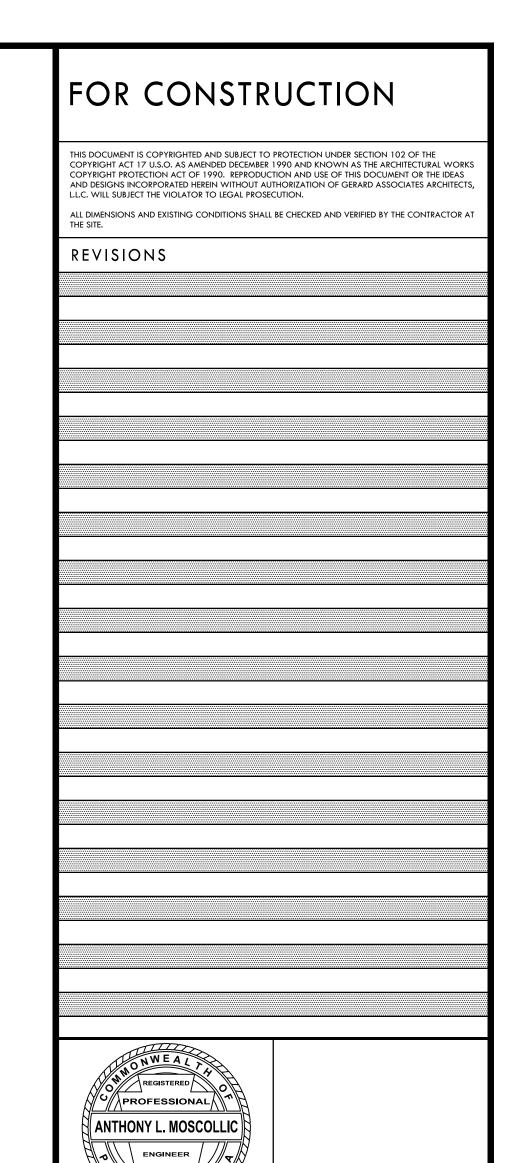


SECTION SCALE: 3/4"=1'-0"



PARTIAL FIRST FLOOR FRAMING PLAN

SCALE 1/2" = 1'-0" NOTES:



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS 410 FT. PITT COMMONS, 445 FT. PITT BLVD.

PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

PARTIAL FIRST FLOOR FRAMING PLAN,

SECTIONS & GENERAL NOTES

REVISION NO. 2035

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20288

this work without specific written consent of the Engineer.

DWG NO. **S1.0** ISSUE DATE 02/15/21

GENERAL MECHANICAL NOTES (ALL DRAWINGS):

- MECHANICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND REQUIRED BY CODE.
- 2. THE CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC ONLY, AND ARE INTENDED TO CONVEY THE SCOPE AND GENERAL ARRANGEMENT OF WORK.
- 3. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BY FIELD INSPECTION PRIOR TO BIDDING. ANY INTERFERENCES TO INSTALLATION SHALL BE NOTED AND THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE THE COST TO AVOID OR RELOCATE ALL ITEMS, INCLUDING ITEMS OF OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. ALL OFFSETS, RISES, TRANSITIONS AND DROPS IN DUCTS AND PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- 4. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS OR PIPE ADAPTERS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- 5. PROVIDE ACCESS IN WALLS & CEILINGS TO ACCESS ALL EQUIPMENT, VALVES, CONTROL DEVICES, VOLUME DAMPERS, AND FIRE/SMOKE DAMPERS.
- 6. FOLLOW MANUFACTURE'S RECOMMENDATIONS FOR INSTALLATION OF EQUIPMENT. ALSO REFER TO TYPICAL DETAILS FOR INSTALLATION OF
- 7. ALL MATERIALS FURNISHED, AND ALL WORK PERFORMED BY THE MECHANICAL CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THE LATEST APPLICABLE EDITIONS OF NFPA, IEEE, OSHA, SMACNA, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, AND ANY STATE, COUNTY, AND LOCAL CODES.
- 8. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED SUFFICIENTLY AND ANY ADDITIONAL SUPPORT SHALL BE PROVIDED AS REQUIRED TO PROVIDE VIBRATION FREE AND SAFE INSTALLATION. ALL MISCELLANEOUS STEEL REQUIRED AND/OR AS SHOWN IN DETAILS FOR DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. SUPPORT ALL DUCTWORK, PIPING AND EQUIPMENT MOUNTED ABOVE THE CEILING DIRECTLY FROM THE STRUCTURE. ALL ATTACHMENTS TO BEAMS, TRUSSES, OR JOIST SHALL BE MADE AT PANEL POINTS WITH BEAM CLAMPS MEETING MSS STANDARDS.
- 9. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH NEC AND ELECTRICAL SPECIFICATIONS FOR THIS PROJECT.

DUCTWORK GENERAL NOTES (ALL DRAWINGS):

- 1. ALL DUCTWORK INDICATED IS SCHEMATIC AND SHOW ONLY RELATIVE POSITIONS. PROVIDE OFFSETS, RISES, TRANSITIONS AND ELBOWS AS NEEDED TO INSTALL PROPERLY.
- PROVIDE ACCESS DOORS IN DUCTWORK FOR OPERATION, ADJUSTMENT, AND MAINTENANCE OF ALL HVAC DEVICES, FANS, DAMPERS, (FIRE, SMOKE, BALANCING) COILS, AND TERMINAL EQUIPMENT.
- 3. LOCATIONS OF TERMINAL DEVICES, AIR OUTLETS AND INLETS ARE APPROXIMATE. LOCATE PER THE ARCHITECTURAL DRAWINGS AND TO AVOID OTHER TRADE'S WORK. COORDINATE LOCATIONS WITH OTHER TRADES. CONSULT ARCHITECT/ENGINEER FOR CLARIFICATION IF CONFLICTS OCCUR.
- DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE FACE-TO-FACE DIMENSIONS AND DO NOT INCLUDE DUCT LINER WHERE SPECIFIED. INCREASE DIMENSIONS OF LINED DUCTWORK TO PROVIDE FREE INSIDE AREA EQUAL DIMENSIONS SHOWN. REFER TO THE SPECIFICATIONS FOR LOCATION OF LINED DUCTWORK.
- 5. FINAL CONNECTIONS FROM HIGH VELOCITY MAIN DUCTS TO AIR TERMINAL UNITS SHALL BE MADE WITH FLEXIBLE DUCTWORK NOT EXCEEDING 3 FEET IN LENGTH. CONNECTIONS BETWEEN LOW VELOCITY DUCTWORK AND/OR TERMINAL UNITS TO AIR INLETS AND OUTLETS SHALL BE MADE WITH FLEXIBLE DUCTWORK NOT EXCEEDING 6 FEET IN LENGTH. LONGER DUCT RUN OUTS SHALL BE CONSTRUCTED OF HARD DUCT OF THE SAME MATERIAL SPECIFIED FOR THE SYSTEM SERVED AND INSULATED AS SPECIFIED FOR THAT SYSTEM. FLEXIBLE DUCTWORK SHALL BE OF THE PRESSURE CLASS AND FACTORY INSULATED AS SPECIFIED FOR THE SYSTEM WHERE INSTALLED.
- 6. FLEXIBLE DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS WITHOUT ANY SAGS, SHARP TURNS OR KINKS. AT THE MINIMUM, THE FLEXIBLE DUCTWORK SHALL BE FASTENED TO THE HARD DUCT BY A NYLON STRAP SECURED BY SHEETMETAL SCREWS TO PREVENT SLIPPING OFF FROM COLLAR.
- PROVIDE VOLUME DAMPERS AT EACH AIR OUTLET, AIR INLET AND TERMINAL DEVICE AND AT EACH BRANCH TAKE-OFF CONNECTION FROM THE MAIN.

MECHANICAL PIPING GENERAL NOTES (ALL DRAWINGS):

- 1. ALL PIPING SHOWN HAS BEEN DRAWN SCHEMATICALLY FOR CLARITY AND SHOW ONLY RELATIVE POSITIONS. PROVIDE OFFSETS AND ELBOWS AS NEEDED TO INSTALL PROPERLY AND TO AVOID INTERFERENCES.
- 2. ALL NEW OR REPLACED HYDRONIC PIPING SHALL BE INSTALLED SO THAT IT CAN BE COMPLETELY VENTED AT HIGH POINTS AND DRAINED AT LOW POINTS. PROVIDE AIR VENTS AT HIGH POINTS, TYPE PER SPECIFICATIONS. PROVIDE 1/2" BALL VALVES WITH HOSE END CONNECTIONS AND CAPS AT LOW POINT. ALL WATER MAINS SHALL BE INSTALLED LEVEL, UNLESS OTHERWISE NOTES.
- PROVIDE SERVICE VALVES AT EACH BRANCH CONNECTION FROM MAINS AND AT EACH TERMINAL DEVICE OR EQUIPMENT CONNECTION.
- CONTRACTOR SHALL PROVIDE NEW VALVES ON EXISTING PIPING WHERE THE PIPES ARE TO BE REMOVED SO THAT THE SYSTEM DOES NOT HAVE TO BE DRAINED WHILE REMOVING EXISTING UNITS, INSTALLING NEW UNITS AND MAKING CONNECTIONS TO NEW EQUIPMENT.

		CTWORK & GENERAL SYMBOLS LEGEND
SYMBOL	ABRV.	DESCRIPTION EXISTING FOLUDATING OR DUCTWORK TO DEMAIN
<u> </u>	XTR	EXISTING EQUIPMENT OR DUCTWORK TO REMAIN
<u> </u>	RX	EXISTING EQUIPMENT OR DUCTWORK TO BE REMOVED
<u>} </u>		NEW EQUIPMENT OR DUCTWORK
<u> </u>		LINED DUCTWORK
		SUPPLY DUCT UP
\times		SUPPLY DUCT DOWN
		RETURN / EXHAUST DUCT UP
		RETURN / EXHAUST DUCT DOWN
		ROUND DUCT ELBOW UP
		ROUND DUCT ELBOW DOWN
		ELBOW WITH TURNING VANES
₹I →I →		DUCT OFFSET UP
		DUCT OFFSET DOWN
		SQUARE / RECTANGULAR DUCT TRANSITION
		SQUARE/RECTANGULAR TO ROUND DUCT TRANSITION
	CD	CEILING DIFFUSER ROUND NECK - # THROW DIRECTIONS
	SD	SUPPLY DIFFUSER - RECTANGULAR - MULTI-DIRECT.
<u>┨</u> → ┨→┈	SG/EG	SIDEWALL SUPPLY or RETURN GRILLE - (R = REGISTER)
	LD	LINEAR DIFFUSER. SEE SCHEDULE FOR INFORMATION.
\square	RG/EG	
	110/20	RETURN or EXHAUST GRILLE - (R = REGISTER)
		FLEXIBLE DUCT
<u></u>	FLEX	FLEXIBLE DUCT CONNECTION (TO EQUIPMENT)
<u></u> + _ ·		SPIN TAP WITH VOLUME CONTROL DAMPER
-	VD	VOLUME CONTROL DAMPER
BDD T	BDD	BACKDRAFT DAMPER
M	MD	MOTORIZED DAMPER
—	FD	VERTICAL FIRE DAMPER (WALL)
-	HFD	HORIZONTAL FIRE DAMPER (FLOOR)
─	SD	VERTICAL SMOKE DAMPER (WALL)
─	HSD	HORIZONTAL SMOKE DAMPER (FLOOR)
_	FD/SD	COMBINATION VERTICAL FIRE & SMOKE DAMPER
*	HFD/SD	COMBINATION HORIZONTAL FIRE & SMOKE DAMPER
DD	DD	DUCT SMOKE DETECTOR
T		THERMOSTAT
H		HUMIDISTAT
(SP)		STATIC PRESSURE SENSOR
<u> </u>		CARBON DIOXIDE SENSOR
<u> </u>		CARBON MONOXIDE SENSOR
TAG		EQUIPMENT UNIT DESIGNATION
# TAG		DIFFUSER, REGISTER & GRILLE UNIT DESIGNATION W/ CFM
CFM -		
		UNDER CUT DOOR
		LOUVERED DOOR
•		CONNECTION POINT, NEW TO EXISTING
		DISCONNECTION POINT
1		DRAWING KEYNOTE
1)		DEMOLITION DRAWING KEYNOTE
<u>^1</u>		REVISION NUMBER
A -	RA or EA	RETURN OR EXHAUST AIR
	KA OI EA	RETURN OR EXHAUST AIR

SA or OA SUPPLY OR OUTSDIE AIR

N	/ECHAN	NICAL PIPING SYMBOLS LEGEND
SYMBOL	ABRV.	DESCRIPTION
—HWS—	HWS	HEATING WATER SUPPLY PIPING
— — HWR — —	HWR	HEATING WATER RETURN PIPING
	CWS	CONDENSER WATER SUPPLY PIPING
cwr	CWR	CONDENSER WATER RETURN PIPING
— CHWS—	CHWS	CHILLED WATER SUPPLY PIPING
CHWR	CHWR	CHILLED WATER RETURN PIPING
— G —	G	NATURAL GAS PIPING
—— D ——	D	CONDENSATE DRAIN PIPING
— R — —	R	REFRIGERANT PIPING
— LPS —	LPS	LOW PRESSURE STEAM SUPPLY PIPING (0-15 PSIG)
—MPS —	MPS	MEDIUM PRESSURE STEAM SUPPLY PIPING (16-60 PSIG)
—— HPS ——	HPS	HIGH PRESSURE STEAM SUPPLY PIPING (61 TO 200 PSIG)
—— LPR ——	LPR	LOW PRESSURE STEAM CONDENSATE RETURN
— — MPR — —	MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
— — HPR — —	HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
—— PC ——	PC	PUMPED STEAM CONDENSATE
	V	VENT PIPING
cw	CW	CITY (DOMESTIC) WATER
—FOS—	FOS	FUEL OIL SUPPLY PIPING
—FOR—	FOR	FUEL OIL RETURN PIPING
	FOR	
		ELBOW TURNED UP
		ELBOW TURNED DOWN
<u> </u>		BOTTOM PIPE CONNECTION
<u>'</u>		TOP PIPE CONNECTION
] 		PIPING CAP
<u> </u>		UNION
		FLANGED CONNECTION
<u></u> — →		CONCENTRIC PIPE REDUCER
		ECCENTRIC PIPE REDUCER
—		FLOW ARROW
	BV	BALL VALVE
—-Г—	BFV	BUTTERFLY VALVE
—14—	PV	PLUG VALVE
<u></u>	GV	GATE VALVE
>	GBV	GLOBE VALVE
<u> </u>	CV	CHECK VALVE
		2-WAY CONTROL VALVE
		3-WAY CONTROL VALVE
-		CIRCUIT SETTER (BALANCING VALVE)
<u> </u>		STRAINER (W/ BALL VALVE AND CAP)
		BACKFLOW PREVENTER
		PRESSURE REGULATING VALVE
		PRESSURE RELIEF VALVE
<u> </u>		TRIPLE DUTY VALVE WITH MEASURING CONNECTIONS
9		PRESSURE GAGE W/ SHUT-OFF
T		FLEXIBLE CONNECTOR
Δ		
		AUTOMATIC AIR VENT HOSE BIB

ABRV.	DESCRIPTION
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MBH	1000 - BRITISH THERMAL UNITS
KW	1000-WATT (1 KW = 3,412 BTUH)
SENS.	SENSIBLE
LAT.	LATENT
E.A.T.	ENTERING AIR TEMPERATURE
L.A.T.	LEAVING AIR TEMPERATURE
E.W.T.	ENTERING WATER TEMPERATURE
L.W.T.	LEAVING WATER TEMPERATURE
DB/WB	DRY BULB / WET BULB
IN. W.G.	INCHES WATER GAUGE (AIR)
FT. W.G.	FEET WATER GAUGE (HYDRONIC)
E.S.P.	EXTERNAL STATIC PRESSURE
T.S.P.	TOTAL STATIC PRESSURE
TG	TRANSFER GRILLE
TR	TOP REGISTER
(E)	EXISTING
R/R	REMOVE EXISTING ITEM & RELOCATE TO NEW LOCATION
UNO	UNLESS NOTED OTHERWISE
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
Ø OR PH	PHASE
Ø	DIAMETER
AFF	ABOVE FINISHED FLOOR
ELEV.	ELEVATION FROM DATUM

1. NOT ALL SYMBOLS AND ABBREVIATIONS ARE IN USE FOR THIS PROJECT.



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REVISIONS

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

MECHANICAL DATA SHEET

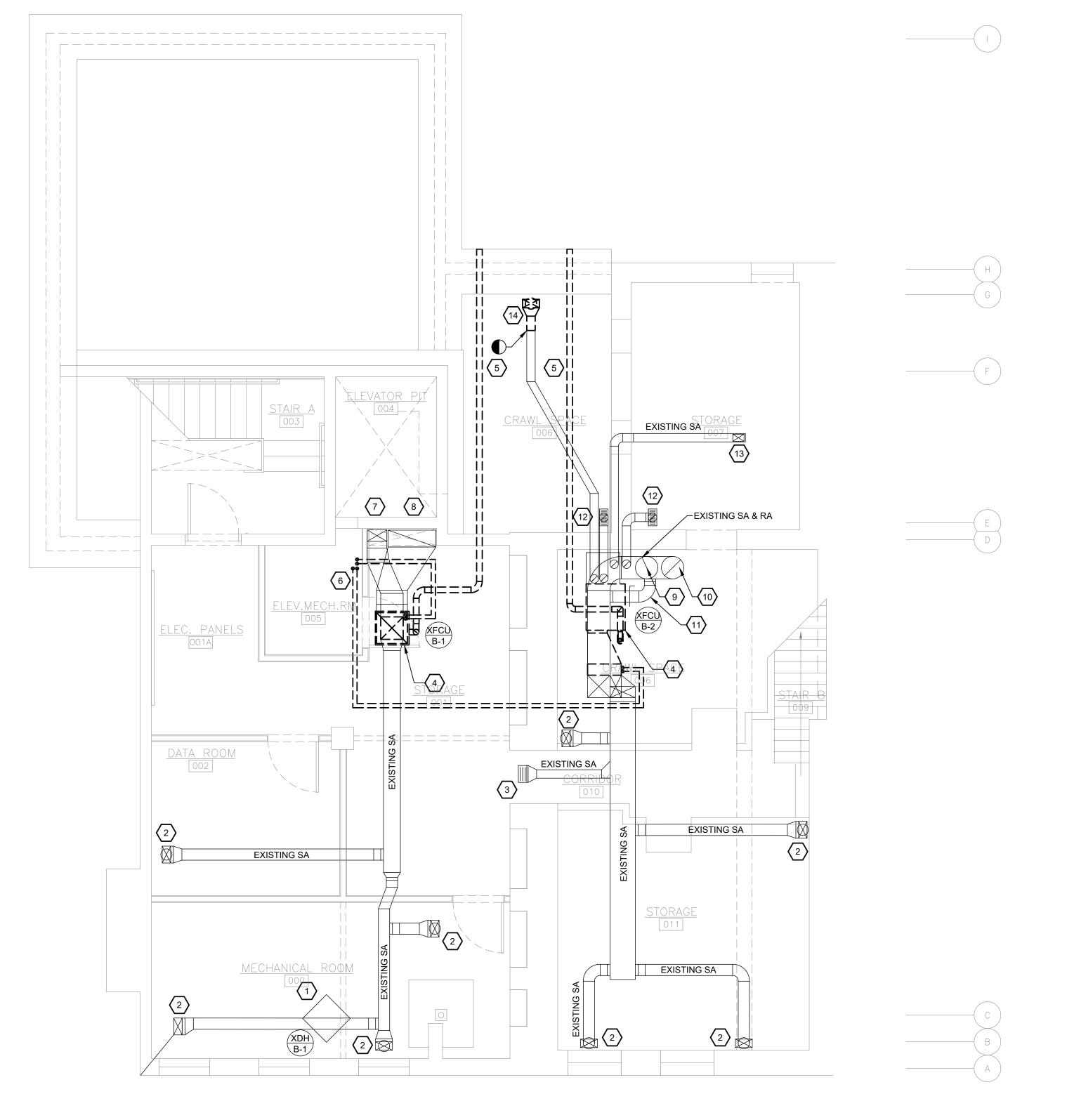
COMM. NO. 2035 ISSUE DATE

REVISION NO.





02/15/2021



MECHANICAL DEMOLITION GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
- 3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES: \(\pm \)

- 1. EXISTING PLUG-IN DEHUMIDIFIER AND ASSOCIATED APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD.
- 2. EXISTING SUPPLY DUCT UP TO FLOOR REGISTER AT FLOOR ABOVE TO REMAIN. VERIFY SIZE AND LOCATION OF
- 3. EXISTING DUCT MOUNTED SUPPLY GRILLE, ASSOCIATED APPURTENANCES AND BRANCH TAP SHALL REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- ASSOCIATED APPURTENANCES TO BE DEMOLISHED IN THEIR ENTIRETY. VERIFY SIZE AND LOCATION OF ALL EQUIPMENT AND APPURTENANCES IN FIELD.
- 6. (2) SUCTION AND LIQUID REFRIGERANT LINESETS FROM ASSOCIATED FURNACES TO CONDENSING UNITS AND ALL ASSOCIATED APPURTENANCES TO BE DEMOLISHED IN THEIR ENTIRETY. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
- ASSOCIATED FIRE/SMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- ASSOCIATED FIRE/SMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 11.EXISTING BYPASS DAMPER AND ASSOCIATED APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN
- 13.EXISTING SUPPLY DUCT UP TO WALL GRILLE AT FLOOR ABOVE TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 14.EXISTING SUPPLY DUCTWORK AND TRANSITION UP TO FLOOR GRILLE ABOVE TO BE DISCONNECTED FROM SUPPLY AIR DUCT AND DEMOLISHED.

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DUCTWORK IN FIELD.

4. EXISTING FURNACE, ASSOCIATED COOLING COIL, AND

5. FLUE PIPING ASSOCIATED WITH FURNACE SHALL BE DEMOLISHED IN ITS ENTIRETY. MC SHALL VERIFY ROUTING IN

- 7. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND
- 8. EXISTING RETURN DUCT UP TO FLOOR ABOVE AND
- 9. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND ASSOCIATED FIRE/SMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 10.EXISTING RETURN DUCT UP TO FLOOR ABOVE AND ASSOCIATED FIRE/SMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 12.EXISTING SUPPLY DIFFUSER AND ASSOCIATED BRANCH DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.



1205 LIVERPOOL STREET

PITTSBURGH, PA 15233

REHAB

BUILDING #35

ASSOCIATES ARCHITECTS

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35

OPPORTUNITIES CENTER

DEVELOPMENT &

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

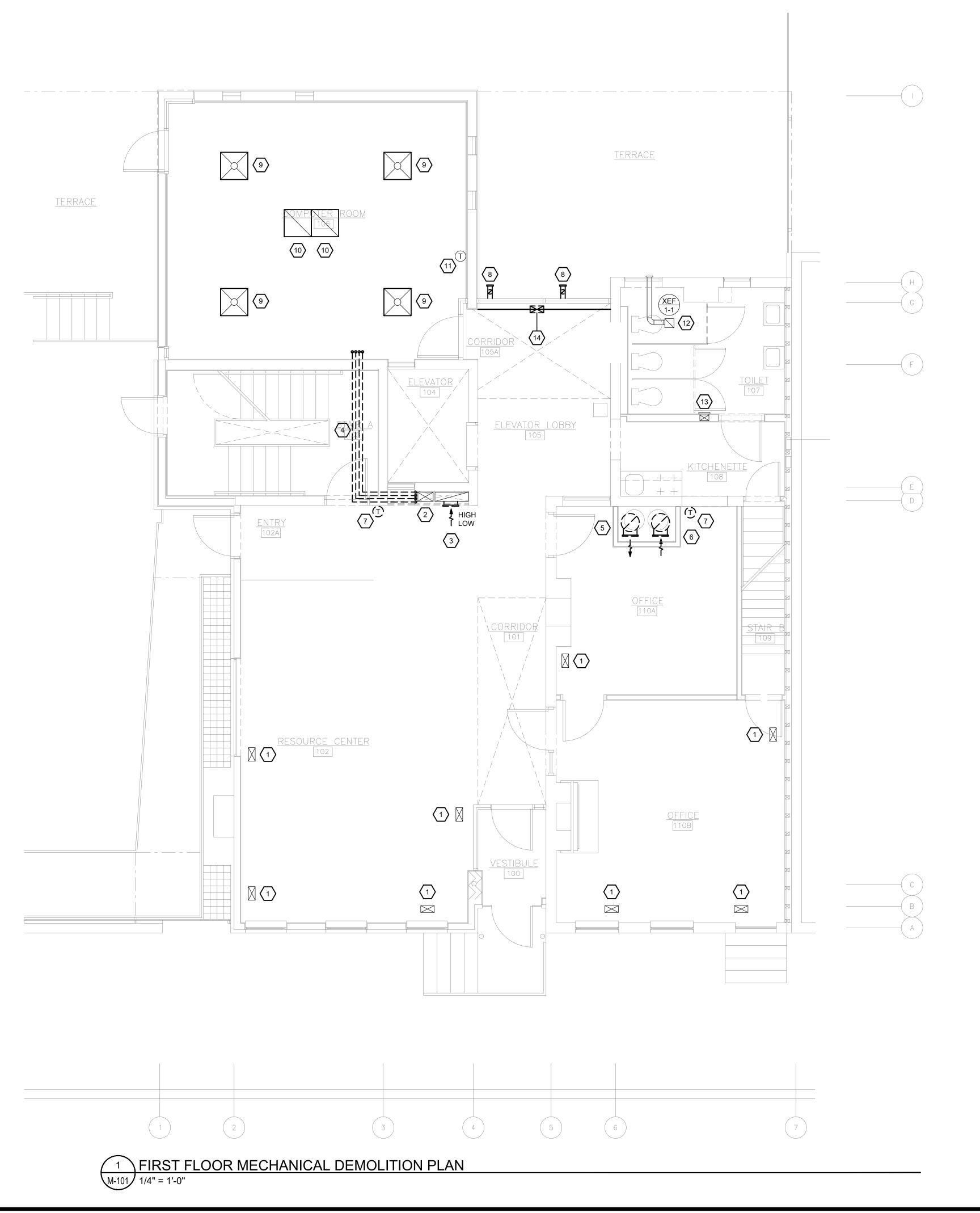
BASEMENT MECHANICAL DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021

REVISION NO. M-100



BASEMENT MECHANICAL DEMOLITION PLAN M-100 1/4" = 1'-0"



Allen + Shariff

2 Allegheny Center, Nova Tower 2 · Suite 1001 · Pittsburgh, PA 15212

MEP Engineering

ASE JOB #2041090

MECHANICAL DEMOLITION GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT STARTUP.
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
- 3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES: (#)

- EXISTING SUPPLY FLOOR GRILLE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 2. EXISTING SUPPLY DUCT IN CHASE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 3. EXISTING RETURN DUCT IN CHASE TO REMAIN. RETURN GRILLES LOCATED HIGH AND LOW AT GYPSUM WALL SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH GC TO PATCH WALL TO MATCH EXISTING CONSTRUCTION AND EXISTING FIRE RATING AT GYPSUM WALL ENCLOSURE. VERIFY EXACT LOCATION AND SIZE IN FIELD.
- 4. (2) SUCTION AND LIQUID REFRIGERANT LINESETS FROM ASSOCIATED FURNACES TO CONDENSING UNITS AND ALL ASSOCIATED APPURTENANCES TO BE DEMOLISHED IN THEIR ENTIRETY. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
- 5. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW TO BE DEMOLISHED. DUCT MOUNTED SUPPLY GRILLE AND BRANCH TAP AT THIS FLOOR SHALL BE DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 6. EXISTING RETURN DUCT UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW TO BE DEMOLISHED. DUCT MOUNTED RETURN GRILLE AND BRANCH TAP AT THIS FLOOR SHALL BE DEMOLISHED. MC SHALL REPLACE VERTICAL RETURN DUCT SECTION AT WHICH SUPPLY TAP WAS LOCATED IN KIND. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
- 7. EXISTING THERMOSTAT FOR FURNACE AND CONDENSING UNIT SYSTEM AND ALL ASSOCIATED CONTROL WIRING TO BE DEMOLISHED. MC SHALL VERIFY ROUTING OF CONTROL WIRING IN FIELD.
- 8. EXISTING FLUE AND TERMINATION SHALL BE DEMOLISHED IN ITS ENTIRETY. EXTERIOR WALL PENETRATION SHALL BE TEMPORARILY COVERED FOR FUTURE FLUE PIPING INSTALLATION. VERIFY EXACT LOCATION AND ROUTING IN
- 9. EXISTING SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD.
- 10.EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD.
- 11.EXISTING THERMOSTAT FOR ROOFTOP UNIT AND ALL ASSOCIATED CONTROL WIRING TO BE REMAIN.
- 12.EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AND TERMINATION TO REMAIN. VERIFY LOCATION IN FIELD.
- 13.EXISTING WALL MOUNTED SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 14.MC SHALL DISCONNECT FLOOR GRILLE AND ASSOCIATED APPURTENANCES AND SHALL DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCT IN FIELD. MC SHALL COORDINATE WITH GC TO PATCH FLOOR TO MATCH EXISTING FLOOR CONSTRUCTION, MATERIAL AND FINISH.

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PROFESSIONAL TO DAVID C. PRICE

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

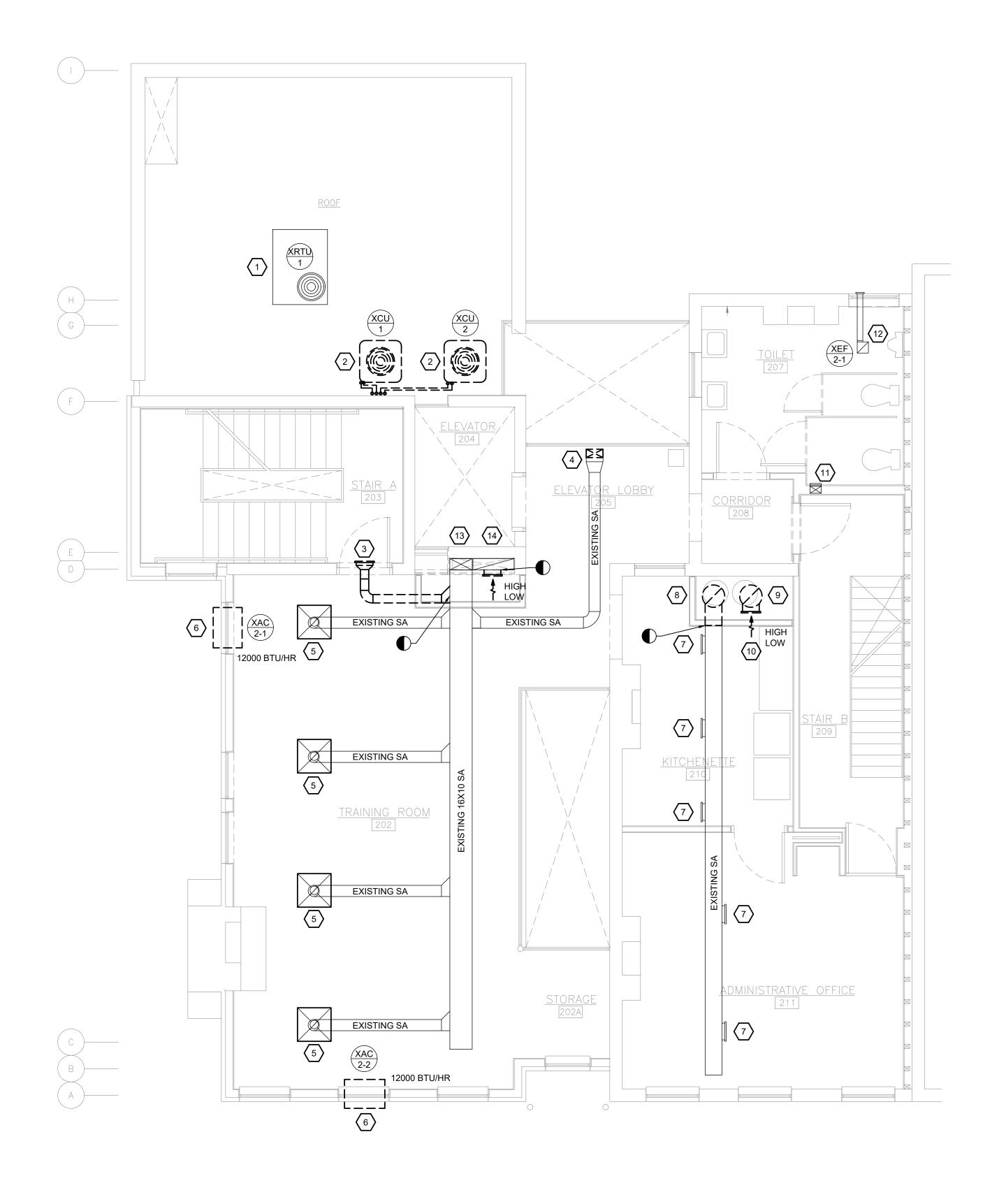
FIRST FLOOR MECHANICAL DEMOLITION PLAN

COMM. NO.
2035
ISSUE DATE

02/15/2021

REVISION NO. DWG NO.

△ M-101



MECHANICAL DEMOLITION GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT STARTUP.
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
- 3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES: (#)

- EXISTING ROOFTOP UNIT AND ALL ASSOCIATED APPURTENANCES TO REMAIN. VERIFY LOCATION AND SIZE IN FIELD.
- 2. EXISTING CONDENSING UNIT AND ALL ASSOCIATED APPURTENANCES BE DEMOLISHED. SUCTION AND LIQUID REFRIGERANT LINESETS FROM EACH CONDENSING UNIT TO BE DEMOLISHED. MC SHALL PATCH ROOF TO MATCH EXISTING CONSTRUCTION. VERIFY SIZE, LOCATION AND ROUTING OF REFRIGERANT IN FIELD.
- 3. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH GC TO PATCH STAIRWELL PENETRATION SUCH THAT FIRE RATING OF STAIRWELL IS MAINTAINED. VERIFY SIZE AND LOCATION OF DIFFUSER AND WALL PENETRATION IN FIELD.
- 4. EXISTING SUPPLY BRANCH DUCTWORK ASSOCIATED WITH SUPPLY FLOOR GRILLE AT FLOOR ABOVE TO BE DISCONNECTED FROM FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.
- 5. EXISTING SUPPLY DIFFUSER AND ASSOCIATED FLEXIBLE DUCT CONNECTION TO BE RELOCATED IN ACOUSTIC TILE CEILING. VERIFY LOCATION OF DIFFUSER IN FIELD.
- FROM WINDOW AND RETURNED INTACT AND FULLY OPERATIONAL TO BUILDING OWNER.

6. EXISTING COOLING ONLY PTAC UNIT SHALL BE REMOVED

- 7. EXISTING DUCT MOUNTED DIFFUSER TO REMAIN. VERIFY LOCATION IN FIELD.
- 8. EXISTING VERTICAL SUPPLY DUCTWORK DOWN TO FLOOR BELOW AND UP TO FLOOR ABOVE TO BE DEMOLISHED. BRANCH DUCTWORK SHALL BE DEMOLISHED TO POINT INDICATED ON DRAWINGS. VERIFY EXACT LOCATION AND SIZE IN FIELD.
- 9. EXISTING VERTICAL RETURN DUCTWORK DOWN TO FLOOR BELOW AND UP TO FLOOR ABOVE AND ASSOCIATED RETURN GRILLES AT THIS FLOOR TO BE DEMOLISHED. VERIFY EXACT LOCATION IN FIELD. VERIFY EXACT LOCATION AND SIZE IN FIELD.
- EXISTING DUCT MOUNTED RETURN GRILLE HIGH AND LOW TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 11. EXISTING SUPPLY GRILLE AND ASSOCIATED DUCTWORK IN WALL TO REMAIN. VERIFY LOCATION IN FIELD.
- 12. EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AND
- TERMINATION TO REMAIN. VERIFY LOCATION IN FIELD.

 13. EXISTING VERTICAL SUPPLY DUCTWORK DOWN TO FLOOR BELOW AND UP TO FLOOR ABOVE TO REMAIN. VERIFY EXACT
- 14. EXISTING VERTICAL RETURN DUCTWORK DOWN TO FLOOR BELOW AND UP TO FLOOR ABOVE TO REMAIN. RETURN GRILLES LOCATED HIGH AND LOW AT GYPSUM WALL SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH GC TO PATCH WALL TO MATCH EXISTING CONSTRUCTION AND

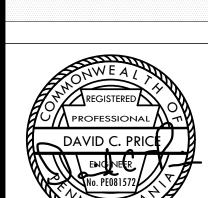
LOCATION AND SIZE IN FIELD.

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REVISIONS



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



G E R A R D
ASSOCIATES ARCHITECTS

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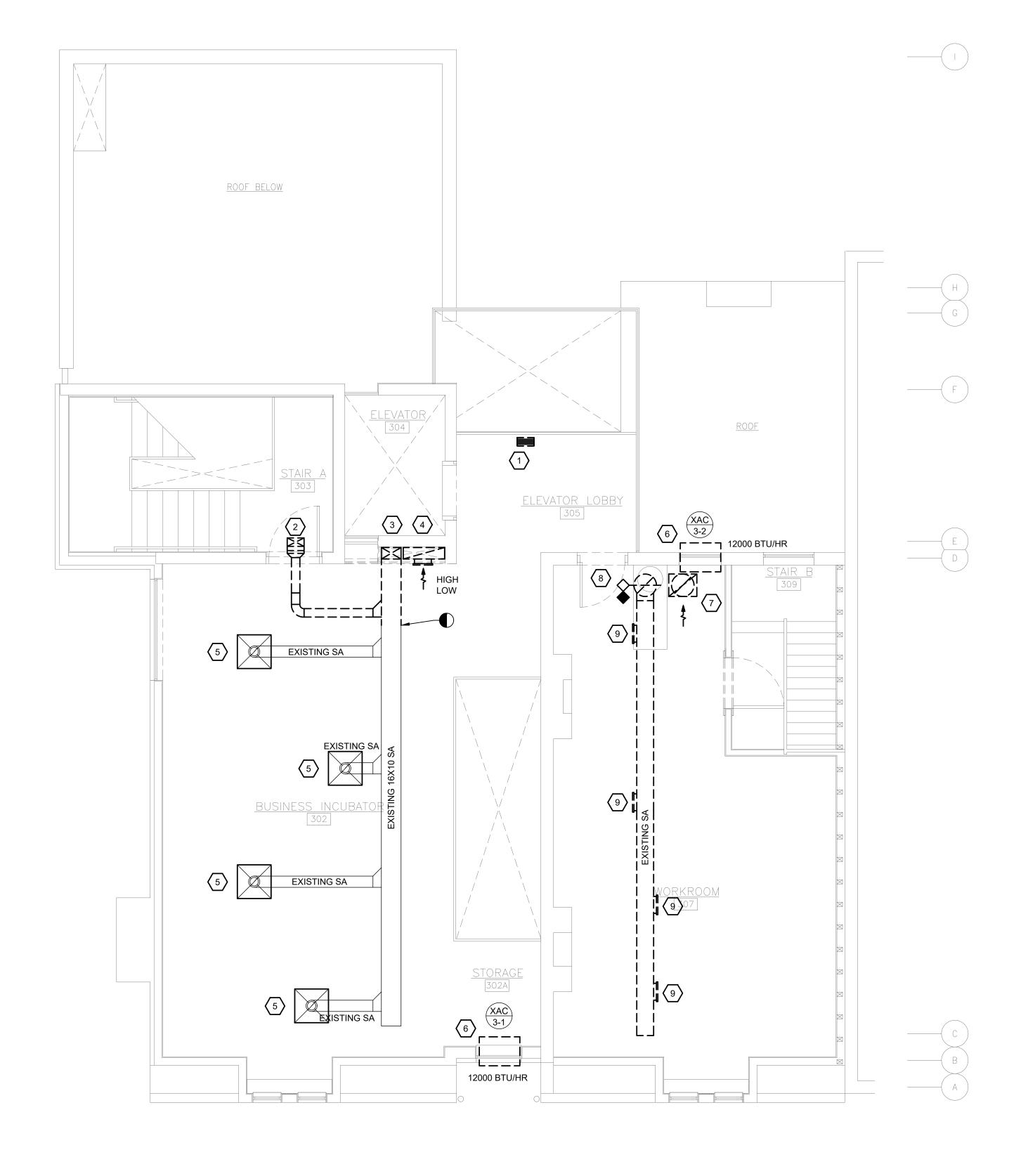
DRAWING NAME

SECOND FLOOR MECHANICAL DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021

REVISION NO. DWG NO. M-102





MECHANICAL DEMOLITION GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT STARTUP.
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
- 3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES: (#)

- EXISTING FLOOR GRILLE TO BE DEMOLISHED. MC SHALL VERIFY SIZE AND LOCATION IN FIELD. MC SHALL COORDINATE WITH GC TO PATCH FLOOR TO MATCH EXISTING CONSTRUCTION AND FINISH.
- 2. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH GC TO PATCH STAIRWELL PENETRATION SUCH THAT FIRE RATING OF STAIRWELL IS MAINTAINED. VERIFY SIZE AND LOCATION OF DIFFUSER AND WALL PENETRATION IN FIELD.
- 3. EXISTING SUPPLY AIR DUCTWORK IN CHASE SHALL BE DISCONNECTED FROM EXISTING 16"X10" SA DUCT TRUNK AND DEMOLISHED DOWN TO FLOOR LEVEL AT THIRD FLOOR. VERTICAL DUCT RISER SHALL BE CAPPED AT THIRD FLOOR AND MC SHALL COORDINATE WITH GC TO PROVIDE PATCHING OF WALL ENCLOSURE. VERIFY SIZE AND LOCATION OF EXISTING SUPPLY DUCT IN FIELD.
- 4. EXISTING RETURN AIR DUCTWORK IN CHASE SHALL BE DISCONNECTED FROM EXISTING HIGH AND LOW RETURN GRILLES AT WALL AND DEMOLISHED DOWN TO FLOOR LEVEL AT THIRD FLOOR. VERTICAL DUCT RISER SHALL BE CAPPED AT THIRD FLOOR AND MC SHALL COORDINATE WITH GC TO PROVIDE PATCHING OF WALL ENCLOSURE. VERIFY SIZE AND LOCATION OF EXISTING RETURN DUCT IN FIELD.
- 5. EXISTING SUPPLY DIFFUSER AND ASSOCIATED FLEXIBLE DUCT CONNECTION TO BE RELOCATED IN ACOUSTIC TILE CEILING. VERIFY LOCATION OF DIFFUSER IN FIELD.
- 6. EXISTING COOLING ONLY PTAC UNIT SHALL BE REMOVED FROM WINDOW AND RETURNED INTACT AND FULLY OPERATIONAL TO BUILDING OWNER.
- 7. EXISTING VERTICAL RETURN DUCTWORK AND ASSOCIATED FLOOR GRILLE SHALL BE DEMOLISHED DOWN TO AND CAPPED AT FLOOR LEVEL. MC SHALL COORDINATE WITH GC TO PATCH FLOOR TO MATCH EXISTING CONSTRUCTION AND FINISH. VERIFY EXACT LOCATION IN FIELD. VERIFY EXACT LOCATION AND SIZE IN FIELD.
- 8. EXISTING VERTICAL SUPPLY DUCTWORK SHALL BE DEMOLISHED DOWN TO AND CAPPED AT FLOOR LEVEL. MC SHALL COORDINATE WITH GC TO PATCH FLOOR TO MATCH EXISTING CONSTRUCTION AND FINISH. VERIFY EXACT LOCATION IN FIELD. VERIFY EXACT LOCATION AND SIZE IN FIELD..
- 9. EXISTING DUCT MOUNTED DIFFUSER AND ALL ASSOCIATED APPURTENANCES TO BE DEMOLISHED. VERIFY LOCATION IN

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



G E R A R D
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

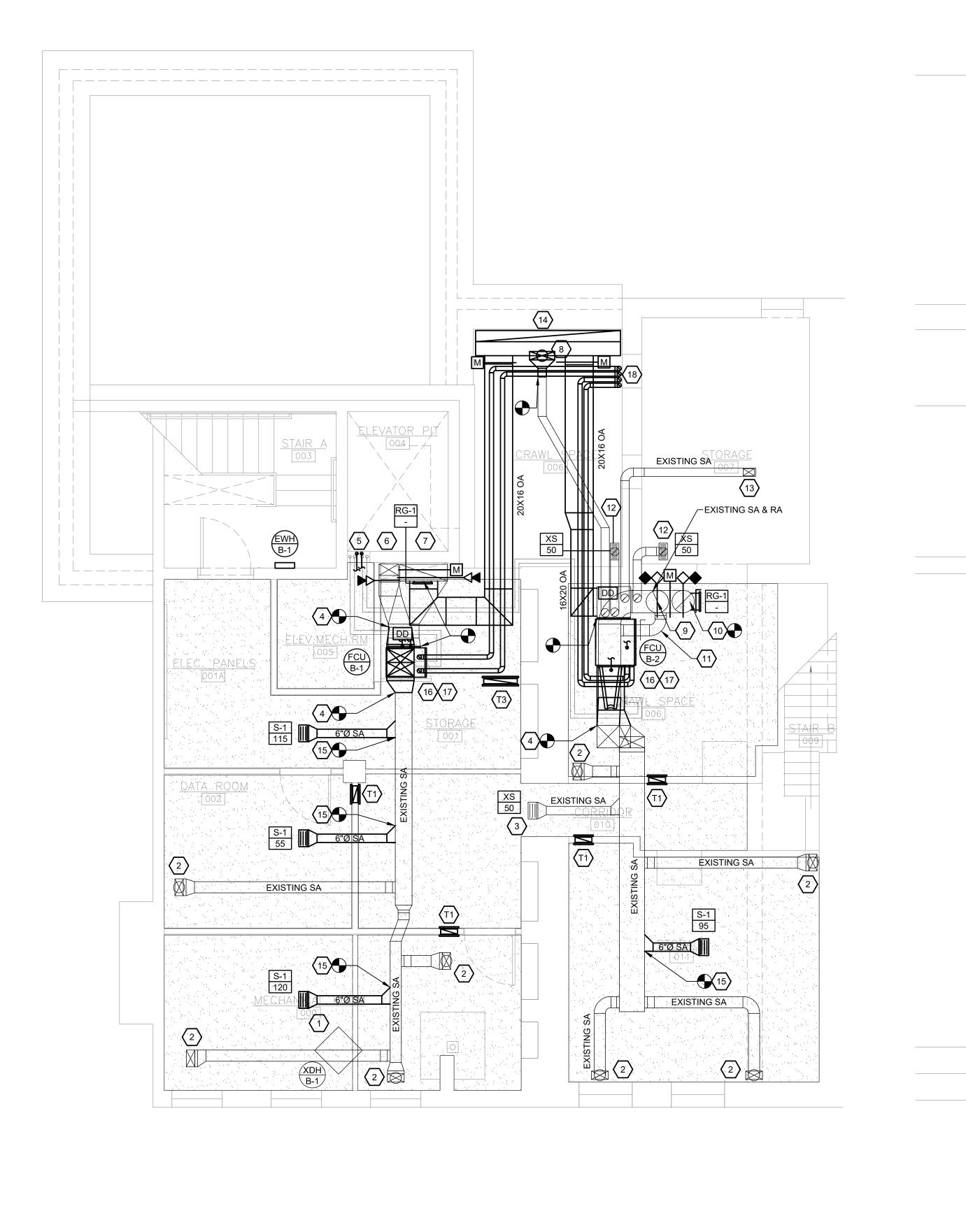
THIRD FLOOR MECHANICAL DEMOLITION PLAN

COMM. NO.
2035
ISSUE DATE

02/15/2021

REVISION NO. DWG NO. M-103







BASEMENT MECHANICAL PLAN

MECHANICAL GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT STARTUP.
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
- MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.
- 5. MECHANICAL EQUIPMENT AND/OR CONTROL DEVICES IN CRAWL SPACE SHALL BE INSTALLED SUCH THAT THEY CAN BE ACCESSED FOR PROPER SERVICE AND MAINTENANCE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION REQUIREMENTS AND IMC 2015 ACCESS REQUIREMENTS.
- 6. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINTEL SIZE REQUIREMENTS FOR STRUCTURAL PENETRATIONS REQUIRING LINTELS. FINAL LINTEL SIZE SHALL BE VERIFIED TO MATCH DIMENSIONS OF MECHANICAL CONTRACTOR'S APPROVED DUCT SHOP DRAWINGS.
- CONDENSATE DRAIN PIPING SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED TOWARDS POINT OF TERMINATION.
- 8. COMBUSTION AIR AND FLUE PIPING FOR GAS FIRED EQUIPMENT SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED BACK TOWARDS GAS FIRED EQUIPMENT.
- 9. THE MC SHALL ENGAGE THE TESTING, ADJUSTING, AND BALANCING AGENT TO RE-BALANCE EXISTING SUPPLY DIFFUSERS TO THE AIRFLOW INDICATED ON THE FLOOR PLANS PROVIDED A NEW AIRFLOW IS SHOWN.

MECHANICAL KEY NOTES: (#)

MAKE CONNECTION.

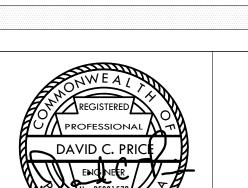
- 1. EXISTING PLUG IN DEHUMIDIFIER TO REMAIN.
- 2. EXISTING BRANCH DUCTWORK AND TRANSITION UP TO FLOOR GRILLE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 3. EXISTING DUCTWORK AND CEILING SUPPLY GRILLE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 4. NEW SUPPLY AIR DUCTWORK CONNECTS TO EXISTING SUPPLY AIR MAIN. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO
- 5. (2) SETS OF SUCTION AND LIQUID REFRIGERANT PIPING LINESETS UP IN CHASE TO FLOOR ABOVE. (2) 3/4" CONDENSATE DRAINS FROM FLOOR ABOVE SHALL BE ROUTED TO EXISTING FLOOR DRAIN IN MECHANICAL ROOM. COORDINATE ROUTING IN FIELD.
- 6. EXISTING SUPPLY DUCT UP IN NEW RATED CHASE UP TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT FLOOR OPENING. MC SHALL FIELD VERIFY SIZE OF SUPPLY DUCT AND SHALL MATCH FIRE/SMOKE DAMPER DIMENSIONS TO EXISTING DUCT SIZE.
- 7. EXISTING RETURN DUCT UP IN NEW RATED CHASE UP TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT FLOOR OPENING. MC SHALL FIELD VERIFY SIZE OF RETURN DUCT AND SHALL MATCH FIRE/SMOKE DAMPER DIMENSIONS TO EXISTING DUCT SIZE.
- 8. NEW SUPPLY DUCTWORK CONNECTS TO EXISTING DUCTWORK IN CRAWL SPACE. NEW DUCTWORK CONNECTS TO SUPPLY PLENUM BOX. MAKE TRANSITIONS AS NECESSARY. NEW SUPPLY FLOOR GRILLE SHALL BE INSTALLED AT FLOOR ABOVE.
- 9. EXISTING ROUND SUPPLY DUCTWORK UP IN RATED CHASE TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT FLOOR OPENING. MC SHALL FIELD VERIFY SIZE OF RETURN DUCT AND SHALL MATCH FIRE/SMOKE DAMPER DIMENSIONS TO EXISTING DUCT SIZE.
- 10.EXISTING ROUND RETURN DUCTWORK UP IN RATED CHASE TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT FLOOR OPENING. MC SHALL FIELD VERIFY SIZE OF RETURN DUCT AND SHALL MATCH FIRE/SMOKE DAMPER DIMENSIONS TO EXISTING DUCT SIZE.
- 11. EXISTING BYPASS DAMPER AND DUCTWORK TO REMAIN. VERIFY EXACT SIZE AND LOCATION IN FIELD.
- 12.EXISTING SUPPLY AIR GRILLE AND ASSOCIATED DUCTWORK SERVING BASEMENT TO REMAIN. VERIFY EXACT SIZE AND LOCATION IN FIELD.
- 13.EXISTING SUPPLY UP THROUGH BATHROOM WALL ABOVE TO REMAIN.
- 14.NEW 104" X8" OUTSIDE AIR DUCT UP TO FLOOR ABOVE. 104"X8" TRANSITIONS VERTICALLY TO 104"X18" IN CRAWL SPACE. (2) 20"X16" OA DUCTWORK CONNECTS TO 104"X18" DUCTWORK. PROVIDE MOTORIZED CONTROL DAMPER AT EACH CONNECTION.
- 15.NEW SUPPLY DUCT CONNECTS TO EXISTING SUPPLY MAIN ABOVE CEILING. VERIFY EXACT LOCATION AND SIZE OF EXISTING DUCTWORK IN FIELD.
- 16.NEW FURNACE SHALL BE INSTALLED ON NEW 4" CONCRETE HOUSEKEEPING PAD WITH NEOPRENE GASKET VIBRATION ISOLATION PADS.
- 17.(2) 3/4" CONDENSATE DRAINS SHALL BE ROUTED TO EXISTING FLOOR DRAIN IN MECHANICAL ROOM. COORDINATE ROUTING IN FIELD. FURNACE SHALL BE INSTALLED WITH DRAIN PAN WITH DRAIN PAN WATER LEVEL SENSOR ALARM SUCH THAT FURNACE SHALL DE-ENERGIZE UPON ALARM ACTIVATION.
- 18.(2) SETS OF 3" COMBUSTION AIR AND VENT FLUE PIPING UP ALONG MASONRY WALL TO FLOOR ABOVE. COORDINATE ROUTING IN FIELD.

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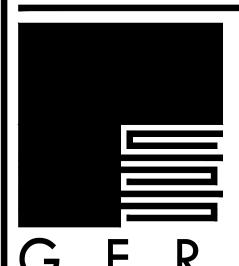
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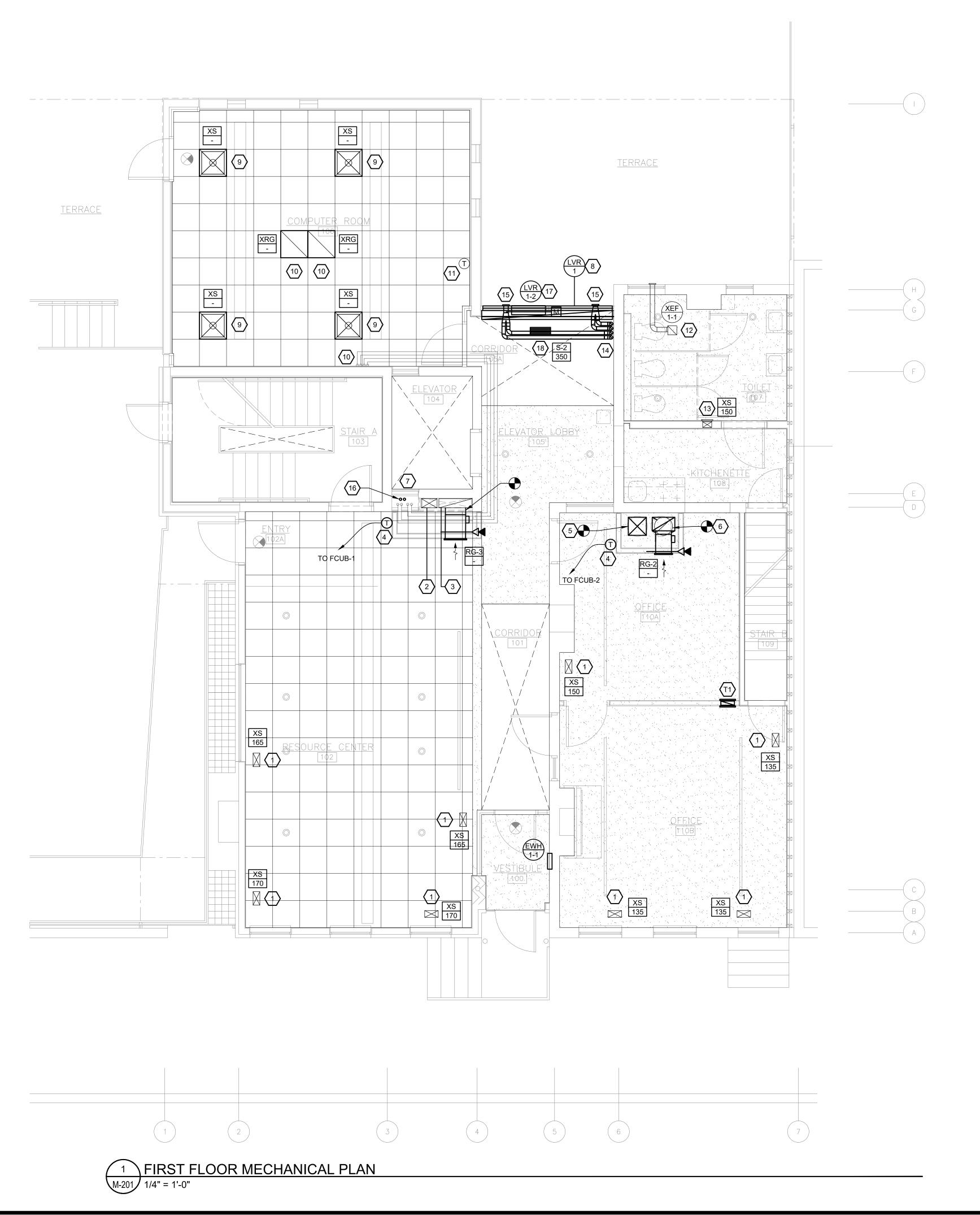
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BASEMENT MECHANICAL

COMM. NO. 2035

ISSUE DATE 02/15/2021



MECHANICAL GENERAL NOTES:

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- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
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- 6. CONDENSATE DRAIN PIPING SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED TOWARDS POINT OF TERMINATION.
- 7. COMBUSTION AIR AND FLUE PIPING FOR GAS FIRED EQUIPMENT SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED BACK TOWARDS GAS FIRED EQUIPMENT.
- 8. THE MC SHALL ENGAGE THE TESTING, ADJUSTING, AND BALANCING AGENT TO RE-BALANCE EXISTING SUPPLY DIFFUSERS TO THE AIRFLOW INDICATED ON THE FLOOR PLANS PROVIDED A NEW AIRFLOW IS SHOWN.

MECHANICAL KEY NOTES: (#)

- EXISTING SUPPLY FLOOR GRILLE AND ASSOCIATED
 DUCTWORK BELOW TO REMAIN. VERIFY LOCATION IN FIELD.
- 2. EXISTING SUPPLY DUCT UP IN NEW RATED CHASE UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW.
- 3. EXISTING RETURN DUCT UP IN NEW RATED CHASE UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW. MC SHALL PROVIDE NEW RETURN AIR BRANCH TAP 12" BELOW FINISHED CEILING AND NEW SURFACE MOUNTED RETURN GRILLE AT CHASE WALL. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL.
- 4. NEW PROGRAMMABLE 7 DAY THERMOSTAT SHALL BE INSTALLED 44" ABOVE FINISHED FLOOR AT CHASE WALL.
- 5. EXISTING ROUND SUPPLY AIR DUCTWORK IN NEW RATED CHASE DN TO FLOOR BELOW. ROUND SUPPLY DUCTWORK TRANSITIONS AND CONNECTS TO NEW 16"X16" AT FLOOR OPENING. 16"X16" SA UP IN CHASE TO FLOOR ABOVE.
- 6. EXISTING ROUND RETURN DUCT DN IN NEW RATED CHASE DOWN TO FLOOR BELOW. ROUND RETURN DUCTWORK TRANSITIONS AND CONNECTS TO NEW 12"X20" RETURN DUCT AT FLOOR OPENING. NEW MC SHALL PROVIDE NEW RETURN AIR BRANCH TAP 12" BELOW FINISHED CEILING AND NEW SURFACE MOUNTED RETURN GRILLE AT CHASE WALL. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL
- 7. (2) SETS OF SUCTION AND LIQUID REFRIGERANT PIPING LINESETS DOWN IN CHASE TO FLOOR BELOW. REFRIGERANT LINESET SHALL BE ROUTED CHASE AND ABOVE CEILING TO COORDINATE ROUTING IN FIELD.
- 8. NEW LOUVER LVR-1 SHALL BE INSTALLED IN LOWER SECTION OF EXISTING STOREFRONT WINDOW. FINAL SIZE OF LOUVER SHALL BE COORDINATED TO MATCH DIMENSIONS OF EXISTING LOWER SECTION OF STOREFRONT WINDOW. LOUVER CONNECTS TO 120"X8" FRESH AIR DUCTWORK LOCATED WITHIN NEW WINDOW SEAT AND SHALL BE ROUTED DOWN TO FLOOR BELOW.
- 9. EXISTING SUPPLY GRILLE TO REMAIN. VERIFY LOCATION IN FIELD.
- 10.EXISTING RETURN GRILLE TO REMAIN. VERIFY LOCATION IN
- 11.EXISTING THERMOSTAT TO REMAIN.
- 12.EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AND TERMINATIONS TO REMAIN. VERIFY LOCATION IN FIELD.
- 13.EXISTING SUPPLY AIR DUCT IN WALL DN TO FLOOR BELOW AND UP TO FLOOR ABOVE. EXISTING SUPPLY AIR GRILLE IN WALL TO REMAIN. VERIFY SIZE AND LOCATION OF GRILLE AND DUCTWORK IN FIELD.
- 14.(2) SETS OF 3" COMBUSTION AIR AND VENT FLUE PIPING UP ALONG MASONRY WALL TO CEILING LEVEL. 14.(2) SETS OF 3" COMBUSTION AIR AND VENT FLUE PIPING DN ALONG MASONRY WALL TO FLOOR BELOW. COORDINATE ROUTING IN FIELD.
- 15.3" COMBUSTION AIR AND VENT FLUE PIPING TERMINATES AT EXTERIOR WALL VIA 4" CONCENTRIC VENT TERMINATION. INSTALL TERMINATION PER THE MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.
- 16.(2) 3/4" CONDENSATE DRAINS SHALL BE ROUTED DN IN CHASE TO FLOOR BELOW AND UP TO FLOOR ABOVE. COORDINATE ROUTING IN FIELD. COORDINATE ROUTING IN FIELD.
- 17. RELIEF AIR LOUVER 1-2 SHALL BE INSTALLED NO LESS THAN 3 FEET ABOVE TOP OF LOUVER 1-1. PROVIDE MOTORIZED DAMPER AT LOUVER AND PROVIDE BIRDSCREEN AT DUCT OPENING TO OCCUPIED SPACE.
- 18.NEW SUPPLY FLOOR GRILLE SHALL BE INSTALLED IN THIS LOCATION.

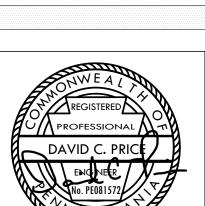
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PROPERTY REHABILITATION FOR:

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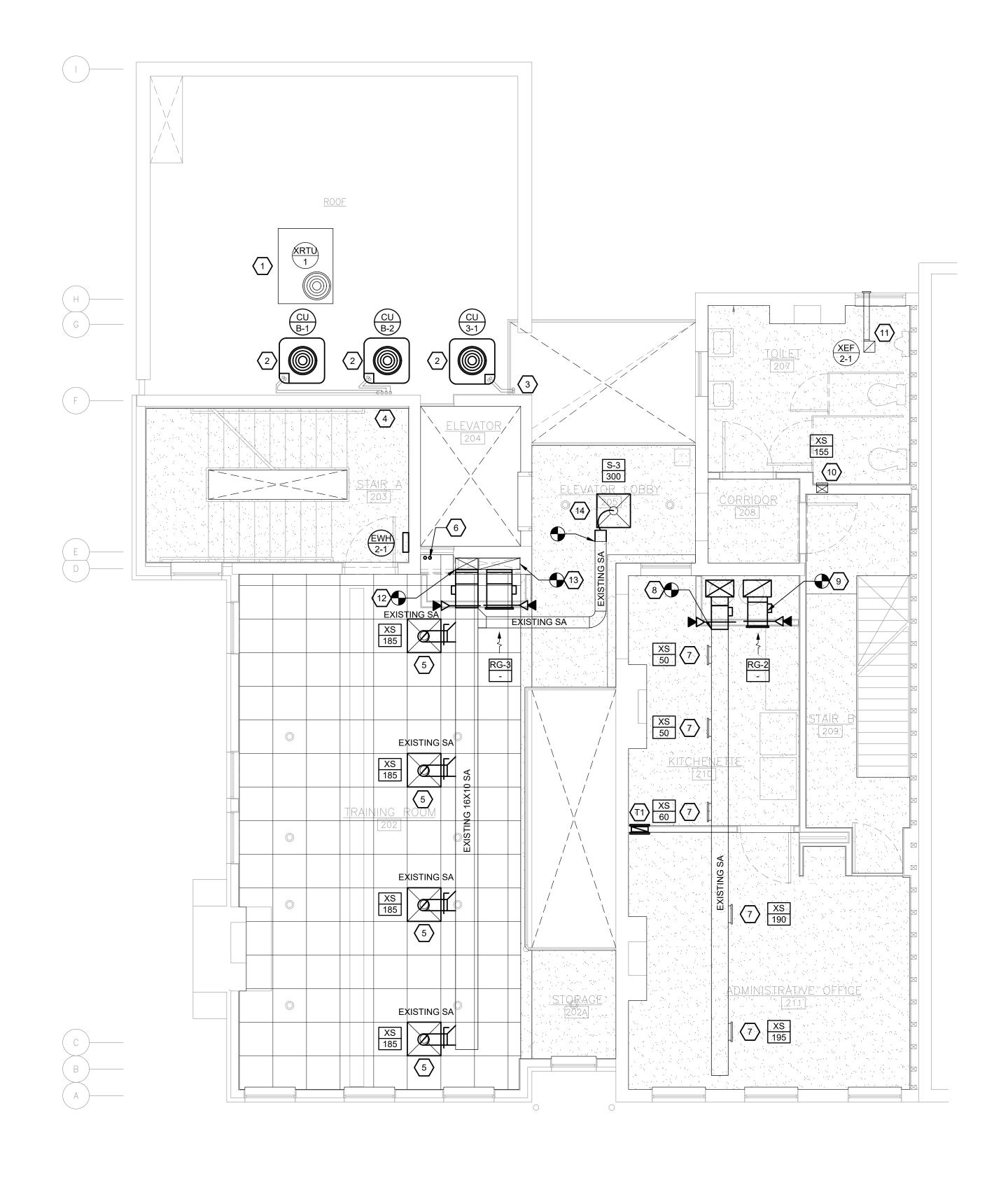
FIRST FLOOR MECHANICAL

COMM. NO. 2035

ISSUE DATE 02/15/2021

REVISION NO. DWG NO. M - 201





SECOND FLOOR MECHANICAL PLAN

MEP Engineering 2 Allegheny Center, Nova Tower 2 · Suite 1001 · Pittsburgh, PA 15212 ASE JOB #2041090

MECHANICAL GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT STARTUP.
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL
- 3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
- 4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.
- 5. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINTEL SIZE REQUIREMENTS FOR STRUCTURAL PENETRATIONS REQUIRING LINTELS. FINAL LINTEL SIZE SHALL BE VERIFIED TO MATCH DIMENSIONS OF MECHANICAL CONTRACTOR'S APPROVED DUCT SHOP DRAWINGS.
- 6. MC SHALL PROVIDE AND INSTALL SERVICE RAILING FOR ALL MECHANICAL EQUIPMENT ON ROOF LOCATED WITHIN 10 FEET OF ROOF EDGE UNLESS ROOF PARAPET IS GREATER THAN 42" TALL. SERVICE RAILING SHALL BE INSTALLED IN ACCORDANCE WITH IMC, IBC, AND OSHA CODES AND STANDARDS.
- 7. CONDENSATE DRAIN PIPING SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED TOWARDS POINT OF TERMINATION.
- 8. COMBUSTION AIR AND FLUE PIPING FOR GAS FIRED EQUIPMENT SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED BACK TOWARDS GAS FIRED EQUIPMENT.
- BALANCING AGENT TO RE-BALANCE EXISTING SUPPLY DIFFUSERS TO THE AIRFLOW INDICATED ON THE FLOOR PLANS PROVIDED A NEW AIRFLOW IS SHOWN.
- 1. EXISTING ROOFTOP UNIT AND ASSOCIATED APPURTENANCES
- 6. (2) 3/4" CONDENSATE DRAIN PIPING DOWN IN CHASE TO FLOOR BELOW AND UP IN CHASE TO FLOOR ABOVE. COORDINATE ROUTING IN FIELD.

- 10.EXISTING SUPPLY AIR DUCT IN WALL DOWN TO FLOOR BELOW AND WALL SUPPLY GRILLE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 13.EXISTING RETURN DUCT DN IN NEW RATED CHASE DOWN TO FLOOR BELOW. NEW MC SHALL PROVIDE NEW RETURN AIR NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL.
- 14.NEW SUPPLY AIR DIFFUSER AND ASSOCIATED BRANCH DUCTWORK SHALL CONNECT TO EXISTING BRANCH DUCTWORK. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.

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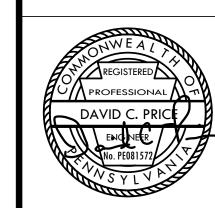
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT

	REVISIONS
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9. THE MC SHALL ENGAGE THE TESTING, ADJUSTING, AND

MECHANICAL KEY NOTES: (#)

- TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 2. NEW CONDENSING UNIT SHALL BE INSTALLED ON 6" CONCRETE PAD WITH CONDENSING UNIT STANDS AND VIBRATION ISOLATION PADS.
- 3. SUCTION AND LIQUID REFRIGERANT LINESET SHALL BE ROUTED THROUGH EXTERIOR WALL AND UP TO FLOOR ABOVE. COORDINATE ROUTING IN FIELD.
- 4. (2) SETS OF REFRIGERANT SUCTION AND LIQUID LINESETS SHALL BE ROUTED DOWN TO FLOOR BELOW. PROVIDE INSULATED 12" HIGH ROOF CURB WITH PIPE PORTALS AT ROOF PENETRATION.
- 5. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY DUCTWORK SHALL BE RELOCATED TO THIS LOCATION. COORDINATE ROUTING IN FIELD.
- 7. EXISTING SUPPLY GRILLE AND ASSOCIATED BRANCH DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 8. 16"X12" SUPPLY AIR DUCTWORK DN IN CHASE TO FLOOR BELOW. 12" ROUND BRANCH TAP SHALL BE ROUTED TO AND SHALL CONNECT TO EXISTING SUPPLY AIR DUCTWORK. MC SHALL MAKE TRANSITIONS AS NECESSARY. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.
- 9. 12"X20" RETURN DUCT DN IN NEW RATED CHASE DOWN TO FLOOR BELOW. NEW MC SHALL PROVIDE NEW RETURN AIR BRANCH TAP 12" BELOW FINISHED CEILING AND NEW SURFACE MOUNTED RETURN GRILLE AT CHASE WALL. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL.
- 11.EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, APPURTENANCES, AND TERMINATION TO REMAIN. VERIFY SIZE AND LOCATION OF FAN AND DUCTWORK IN FIELD.
- 12.EXISTING SUPPLY AIR DUCTWORK DN IN CHASE TO FLOOR BELOW. 16"X10" BRANCH TAP SHALL BE ROUTED TO AND SHALL CONNECT TO EXISTING SUPPLY AIR DUCTWORK. MC SHALL MAKE TRANSITIONS AS NECESSARY. MC SHALL PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER AT CHASE WALL. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.
- BRANCH TAP 12" BELOW FINISHED CEILING AND NEW SURFACE MOUNTED RETURN GRILLE AT CHASE WALL. MC SHALL PROVIDE



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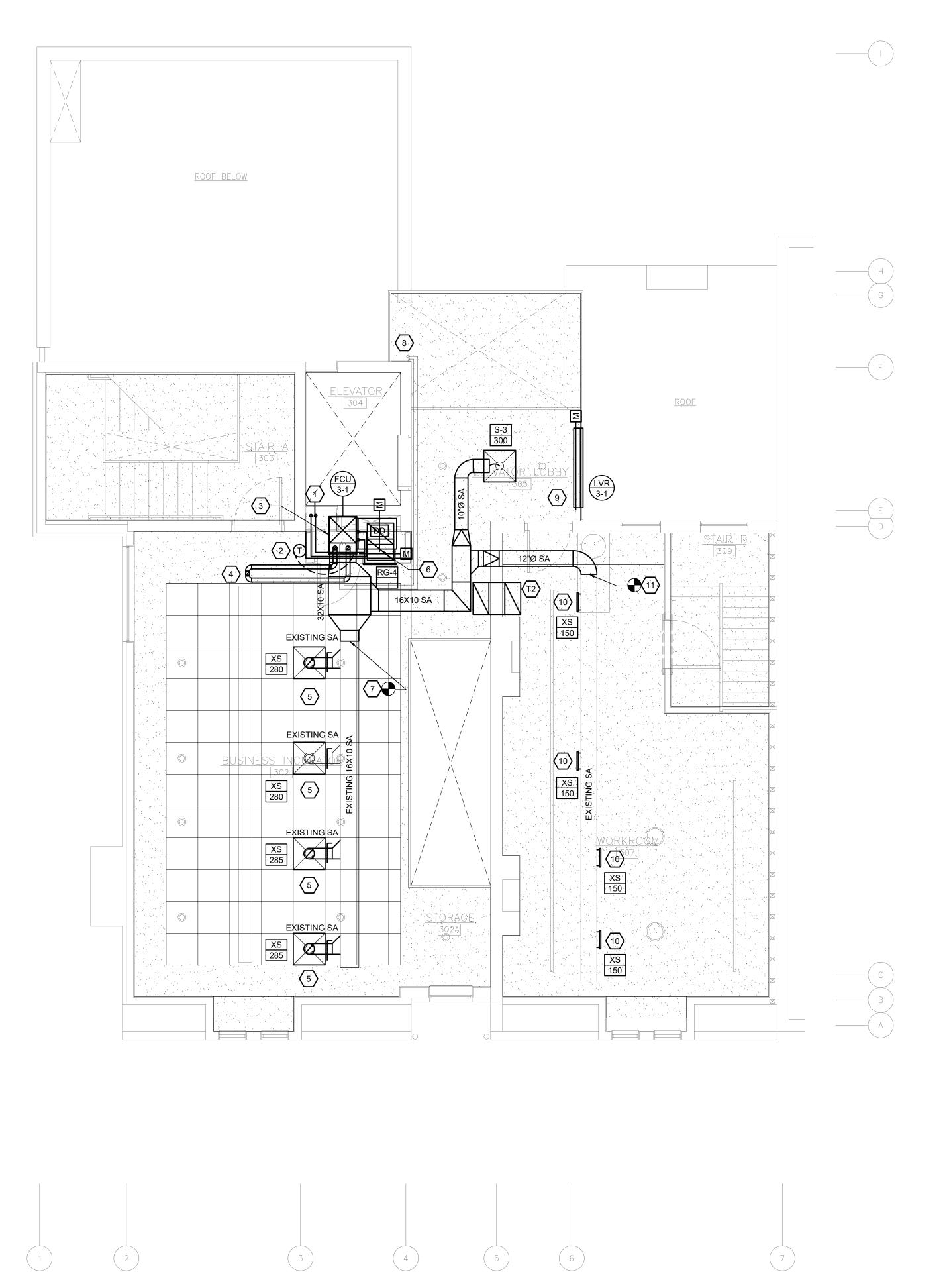


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SECOND FLOOR MECHANICAL **PLAN**

COMM. NO. REVISION NO. 2035 ISSUE DATE 02/15/2021



MECHANICAL GENERAL NOTES:

- 1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES, REGISTERS AND DIFFUSERS IN FIELD PRIOR TO BID. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ANY COMPONENTS OF EQUIPMENT THAT REQUIRE REPLACEMENT ARE REPLACED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT
- 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT AND/OR DAMPER IS POSSIBLE. PROVIDE RATED ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED CEILINGS OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
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- 6. CONDENSATE DRAIN PIPING SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED TOWARDS POINT OF TERMINATION.
- 7. COMBUSTION AIR AND FLUE PIPING FOR GAS FIRED EQUIPMENT SHALL BE SLOPED NO LESS THAN 1/4" PER LINEAL FOOT OF HORIZONTAL RUN. PIPING SHALL BE SLOPED BACK TOWARDS GAS FIRED EQUIPMENT.
- 8. THE MC SHALL ENGAGE THE TESTING, ADJUSTING, AND BALANCING AGENT TO RE-BALANCE EXISTING SUPPLY DIFFUSERS TO THE AIRFLOW INDICATED ON THE FLOOR PLANS PROVIDED A NEW AIRFLOW IS SHOWN.

MECHANICAL KEY NOTES: (#)

- 1. (2) 3/4" CONDENSATE DRAIN PIPING DOWN IN CHASE TO FLOOR BELOW. COORDINATE ROUTING IN FIELD.
- 2. NEW PROGRAMMABLE 7 DAY THERMOSTAT SHALL BE INSTALLED 44" ABOVE FINISHED FLOOR AT CHASE WALL.
- 3. NEW FURNACE SHALL BE INSTALLED ON NEW 4" CONCRETE HOUSEKEEPING PAD WITH NEOPRENE GASKET VIBRATION ISOLATION PADS.
- 4. 3" COMBUSTION AIR PIPING AND FLUE PIPING SHALL BE ROUTED UP TO CONCENTRIC VENT TERMINATION AT ROOF ABOVE. COORDINATE ROUTING IN FIELD.
- 5. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY DUCTWORK SHALL BE RELOCATED TO THIS LOCATION. COORDINATE ROUTING IN FIELD.
- 6. 20"x20" RETURN AIR DUCT TRANSITIONS UP TO GRAVITY INTAKE VENTILATOR AT ROOF ABOVE. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO MAKE CONNECTION.
- 7. NEW SUPPLY AIR DUCTWORK SHALL CONNECT TO EXISTING SUPPLY MAIN DUCTWORK. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO MAKE CONNECTION. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.
- 8. (1) SET OF SUCTION AND LIQUID REFRIGERANT PIPING SHALL BE ROUTED DOWN TO FLOOR BELOW. COORDINATE ROUTING
- 9. 60"x24" POTTORFF EFD-245 RELIEF AIR LOUVER SHALL BE INSTALLED AT EXTERIOR WALL. MC SHALL PROVIDE MOTORIZED CONTROL DAMPER AND BIRDSCREEN AT LOUVER.
- 10. EXISTING SUPPLY GRILLE AND ASSOCIATED BRANCH DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
- 11. NEW SUPPLY AIR DUCTWORK SHALL CONNECT TO EXISTING SUPPLY MAIN DUCTWORK. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO MAKE CONNECTION. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & **OPPORTUNITIES CENTER REHAB**

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333

PHONE: 412-566-1531 FAX: 412-566-1532

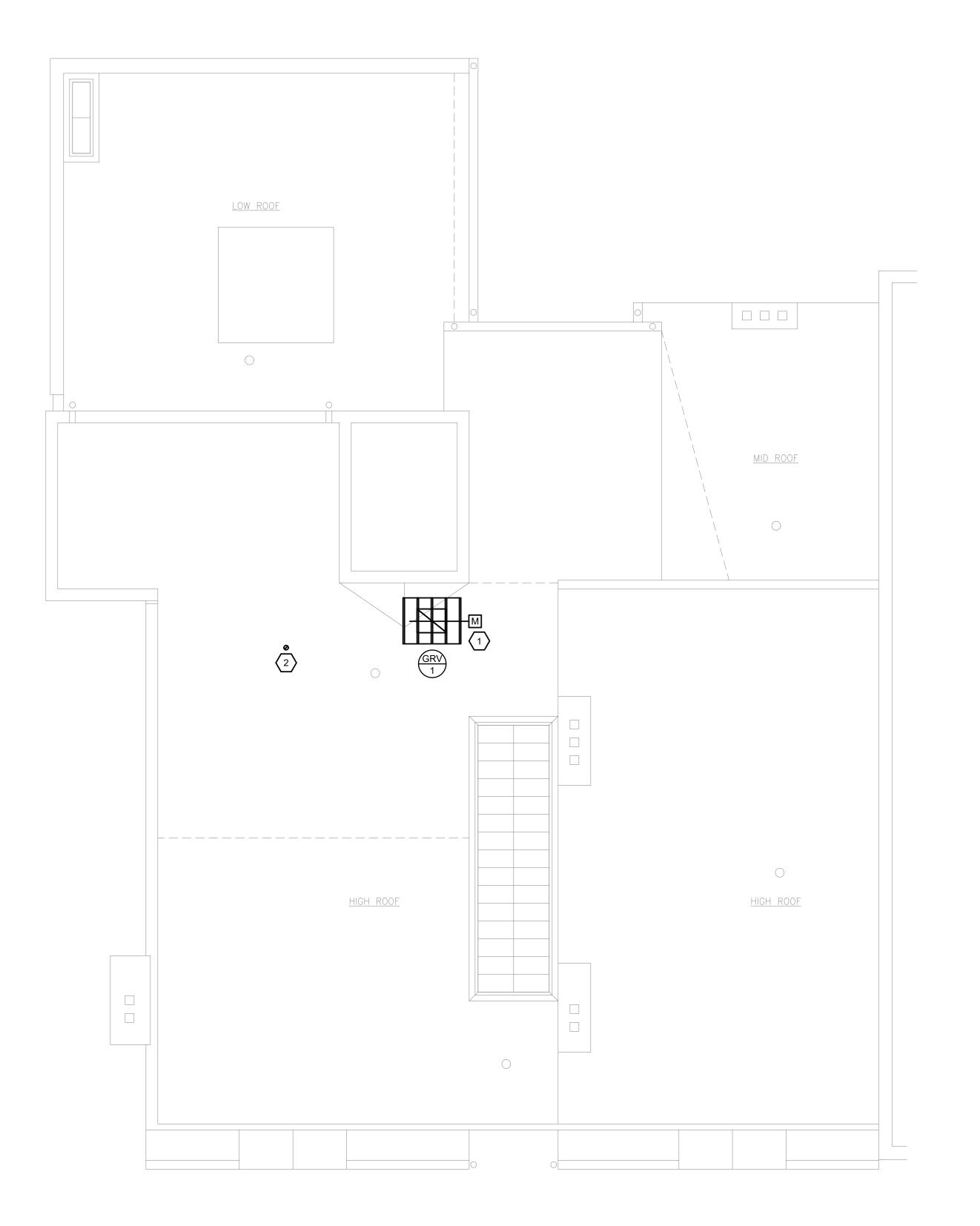
THIRD FLOOR MECHANICAL **PLAN**

COMM. NO. 2035 ISSUE DATE

REVISION NO. M-203

02/15/2021





MECHANICAL GENERAL NOTES:

- NO EQUIPMENT OR CONTROL DEVICES SHALL BE SERVICED OR ACCESSED VIA ROOF.
- 2. MECHANICAL TERMINATIONS AT ROOF SHALL BE EQUIPPED WITH A 14" HIGH MINIMUM ROOF CURB. ROOF CURB SHALL BE CANTED AS NECESSARY TO COORDINATE WITH ROOF PITCH.
- 3. MECHANICAL FRESH AIR INTAKES SHALL BE LOCATED NO LESS THAN 10 FEET FROM MECHANICAL EXHAUST OUTLETS. MECHANICAL FRESH AIR INTAKES LOCATED WITHIN 10 FEET OF MECHANICAL EXHAUST OUTLETS SHALL BE INSTALLED NO LESS THAN 3 FEET BELOW SUCH EXHAUST AIR OUTLETS.

MECHANICAL KEY NOTES: (#)

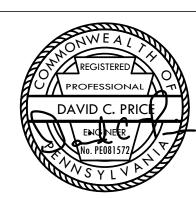
- GRV-1 SHALL BE INSTALLED ON 14" HIGH INSULATED ROOF CURB. PROVIDE BIRDSCREEN FOR GRAVITY RELIEF VENTILATOR. 20"X16' FRESH AIR DUCTWORK WITH MOTORIZED CONTROL DAMPER DOWN TO FLOOR BELOW.
- 2. 3" VERTICAL CONCENTRIC VENT TERMINATION TERMINATES AT 14" INSULATED ROOF CURB AT ROOF. INSTALL TERMINATION PER THE MANUFACTURER'S INSTALLATION REQUIREMENTS.

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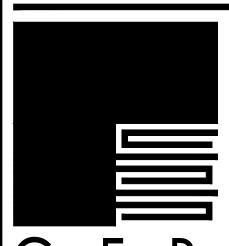
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PROPERTY REHABILITATION FOR:

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PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

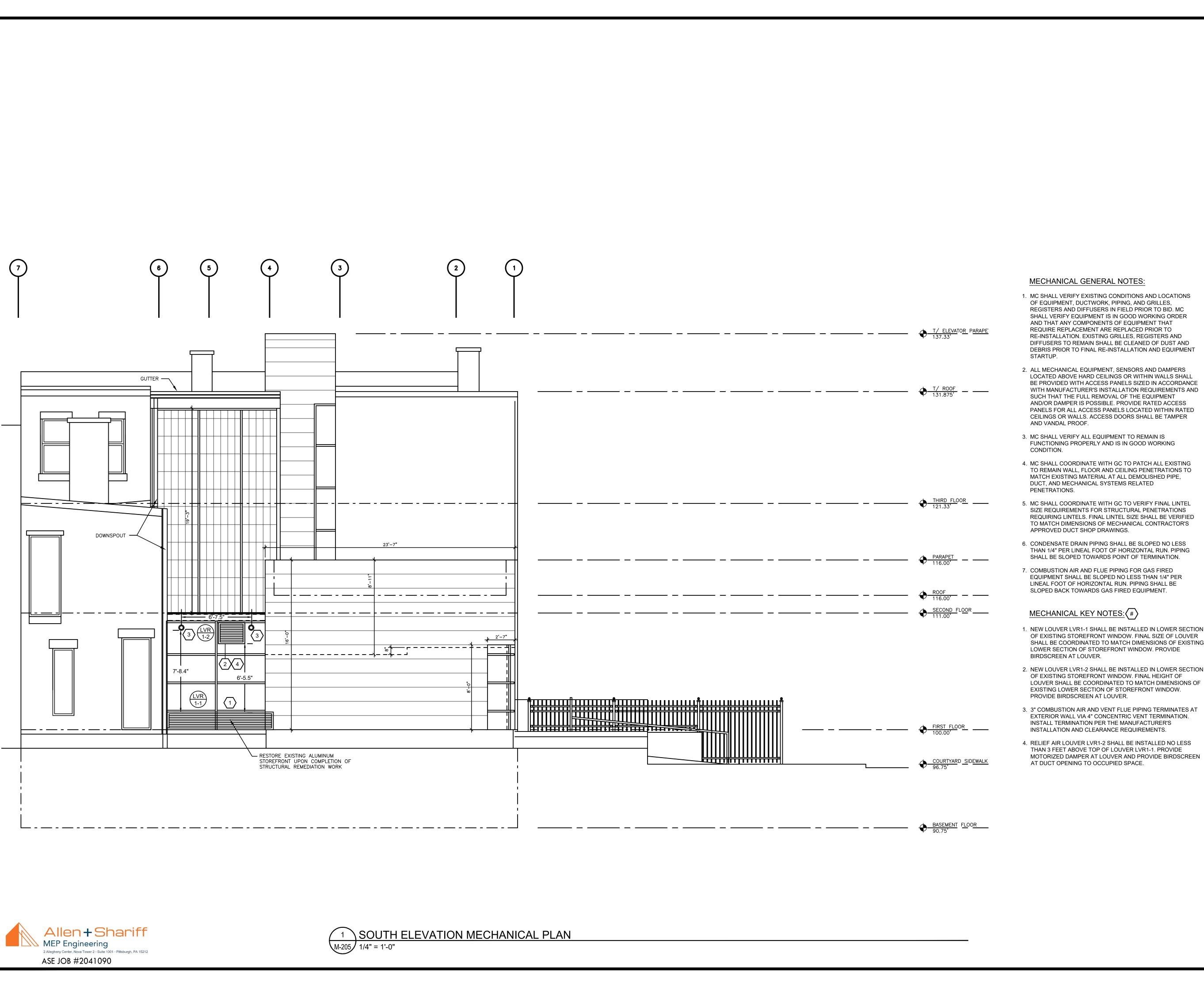
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ROOF MECHANICAL PLAN

COMM. NO.
2035
ISSUE DATE
02/15/2021
REVISION NO.
DWG NO.

M-204





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REVISION:

- DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT
- LOCATED ABOVE HARD CEILINGS OR WITHIN WALLS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED
- TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO

- 1. NEW LOUVER LVR1-1 SHALL BE INSTALLED IN LOWER SECTION OF EXISTING STOREFRONT WINDOW. FINAL SIZE OF LOUVER SHALL BE COORDINATED TO MATCH DIMENSIONS OF EXISTING
- 2. NEW LOUVER LVR1-2 SHALL BE INSTALLED IN LOWER SECTION LOUVER SHALL BE COORDINATED TO MATCH DIMENSIONS OF



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & **OPPORTUNITIES CENTER REHAB**

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233

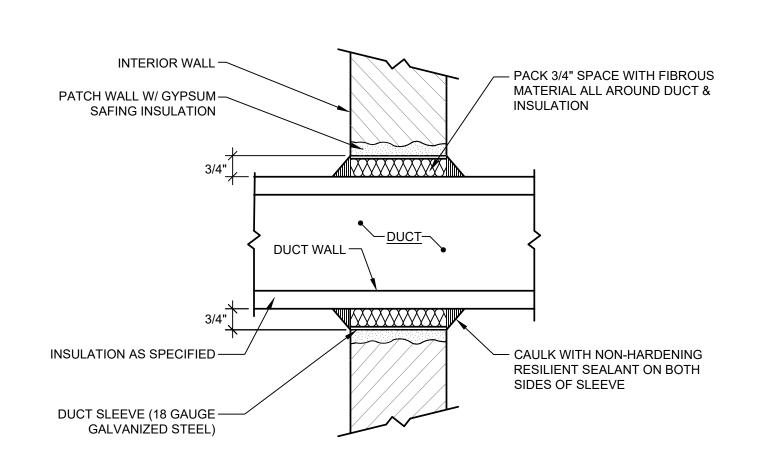


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SITE MECHANICAL PLAN

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NSULATED DUCT AND DUCT SLEEVE THRU NON-RATED WALL DETAIL

M-301

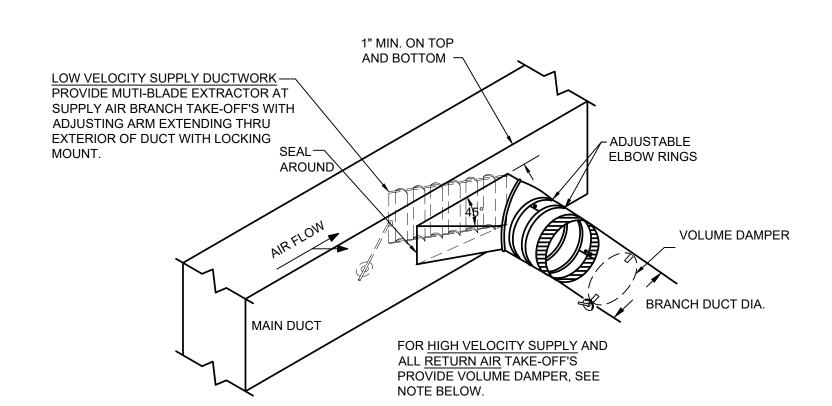
NO SCALE

1. FOR INSTALLATION IN 2 HOUR RATED FIRE WALL CONSTRUCTION, SEE FIRE DAMPER DIAGRAM. 2. FOR INFORMATION ON DUCT SLEEVES THRU RATED WALLS AND FLOORS SEE SPECIFICATIONS SECTION 15055.

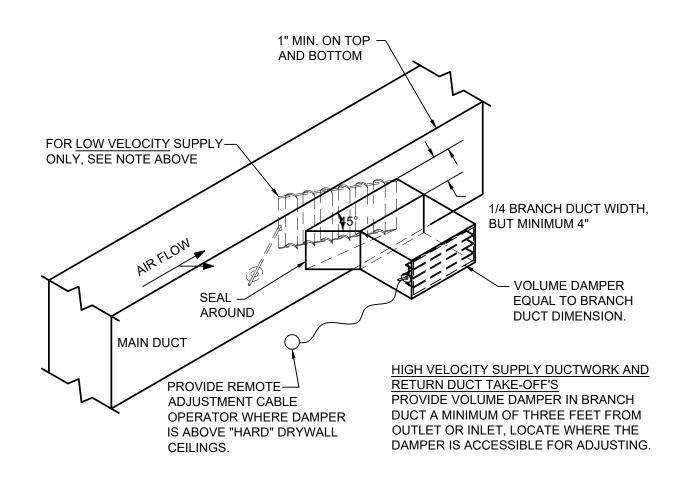
3. 3/4" MIN. SPACE IS REQUIRED BETWEEN SLEEVE & DUCT INSULATION IN AREA WHERE DUCT IS SPECIFIED TO BE INSULATED. 4. ONLY 1 HOUR RATED SMOKE PARTITIONS & 2 HOUR RATED FIRE WALLS ARE

INDICATED ON HEATING DRAWINGS. FOR ADDITIONAL RATED WALLS SEE ARCHITECTURAL DRAWINGS. 5. CONTRACTOR TO EXTEND FLOOR SLEEVES IN EQUIPMENT ROOMS & OVER

HABITABLE SPACES 2 INCHES ABOVE FINISHED FLOOR.



ROUND DUCT TAKE-0FF



NOTES:

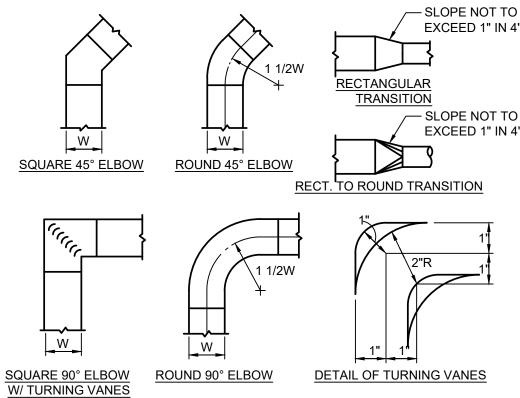
REFRIGERANT MIGRATION TO THE COMPRESSOR.

WATER LEVEL SENSOR OVERFLOW CUTOFF SWITCH.

5. TXVs NOT SHOWN. PROVIDE TXVS AS SCHEDULED.

RECTANGULAR DUCT TAKE-0FF

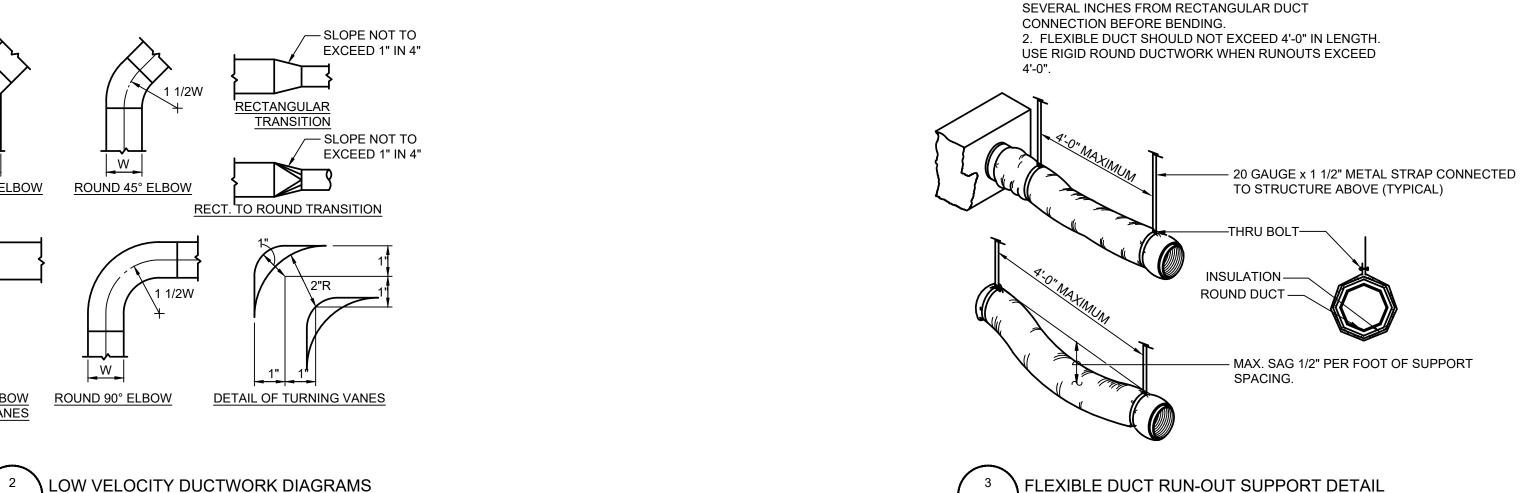
TYPICAL LOW VELOCITY DUCT BRANCH DETAILS M-301 NO SCALE



LOW VELOCITY DUCTWORK DIAGRAMS M-301 NO SCALE

INFORMATION AND RESTRICTIONS.)

PROVIDE RADIUS ELBOWS, 18" AND LARGER WITH TURNING BLADES AT 1/3 AND 1/2 THE WIDTH OF THE DUCT FROM THE INSIDE RADIUS. TURNING BLADES SHALL BE PROVIDED WITH HEMMED ENDS. (SEE SECTION 233113 OF MECHANICAL SPECIFICATIONS FOR ADDITIONAL DUCT CONSTRUCTION



COMBUSTION AIR FROM MECHANICAL ROOM SPACE. FRESH AIR SHALL BE DELIVERED TO SPACE VIA THE FRESH AIR VENTILATION LOUVERS IN EACH MECHANICAL ROOM IN SUPPLY DUCT -ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS. FLEXIBLE CANVAS DUCT (TYPICAL) INSULATE IN ACCORDANCE -WITH MECHANICAL DUCT INSULATION SCHEDULE AND SPECIFICATIONS. - RETURN DUCT FLUE AND INTAKE PIPING -SIZED IN ACCORDANCE WITH - OUTSIDE AIR DUCT MANUFACTURER'S VENT SIZING REQUIREMENTS. ROUTE TO TERMINATION ON DRAWINGS. LIQUID LINE SIGHT GLASS LIQUID LINE SOLENOID VALVE FILTER DRIER — — A/C CONDENSING REFRIGERANT LIQUID LINE — - AIR HANDLING UNIT AND ORIENTATION OF CONDENSING UNIT/ HEAT FAN SECTION PUMP ON ROOF OR GROUND SHALL BE SUCH THAT THE CONDENSER FAN WILL BLOW AIR IN THE DIRECTION OF THE PREVAILING WINDS. CONDENSING UNIT/HEAT PUMP — UNIT SHALL BE SECURED TO SUPPORT RAIL IN ACCORDANCE WITH THE MANUFACTURER'S MIN. RECOMMENDATIONS. PROVIDE CLEAR REFRIGERANT SUCTION -NEOPRENE SPRING ISOLATION AT EACH LEG OF UNIT. LINE - INTERIOR WALL CHASE PLENUM MIXING BOX - RETURN UNIT BASE STAND 6" HIGH CONCRETE PAD -SUCTION LINE IN -HORIZONTAL ORIENTATION CONDENSATE TRAP. DEPTH OF TRAP TO SHALL DRAIN TO BE SET TO BE NO LESS THAN 2 TIMES COMPRESSOR FOR OIL THE AIR HANDLING UNIT RATED STATIC - PRESSURE. INSULATE IN ACCORDANCE — STAINLESS STEEL COLLAR TYP. AT ALL WITH THE INTERNATIONAL CONDENSATE DRAIN, SIZED PER 1. ALL PIPING MUST FOLLOW STANDARD REFRIGERANT PIPING TECHNIQUES IN STRICT PENETRATIONS. VERIFY SIZE & QUANTITY. ENERGY EFFICIENCY CODE. MANUFACTURER'S PRODUCT ACCORDANCE W/ MANUFACTURER'S REQUIREMENTS. PROVIDE WATER AND WEATHER TIGHT SEAL - REQUIREMENTS. 2. ALL WIRING MUST COMPLY WITH THE APPLICABLE LOCAL AND NATIONAL ELECTRIC CODES. TO FLASHING. PROVIDE TWO (2) PIECE FIELD 3. WIRING AND PIPING SHOWN ARE GENERAL POINTS-OF-CONNECTION GUIDES ONLY AND ARE SLEEVE PIPING THOUGH WALL WITH PVC PIPE. -FABRICATED FLASHING WITH STAINLESS NOT INTENDED FOR, OR TO INCLUDE ALL DETAILS, FOR A SPECIFIC INSTALLATION. SEAL WATER TIGHT WITH CAULK. STEEL CLAMPING RING OVER COLLAR. 4. LIQUID LINE SOLENOID VALVE (SOLENOID DROP CONTROL) IS REQUIRED TO PREVENT CONDENSATE DRAIN TO BE ROUTED TO APPROVED INDIRECT TERMINATION. COORDINATE FINAL TERMINATION WITH 6. CONTRACTOR TO PROVIDE SECONDARY DRAIN PAN FOR EACH VERTICAL UNIT WITH AUTO —— PLUMBING CONTRACTOR. 7. PROVIDE SPRING ISOLATION FOR MOUNTING OF UNIT. SPLIT SYSTEM CONDENSING UNIT AND FURNACE DETAIL - VERTICAL FURNACE

M-301 NO SCALE

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REVISIONS

1. FLEXIBLE DUCT SHOULD EXTEND STRAIGHT FOR

EXISTING FURNACE SHALL DRAW

M-301 NO SCALE

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & **OPPORTUNITIES CENTER REHAB**

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



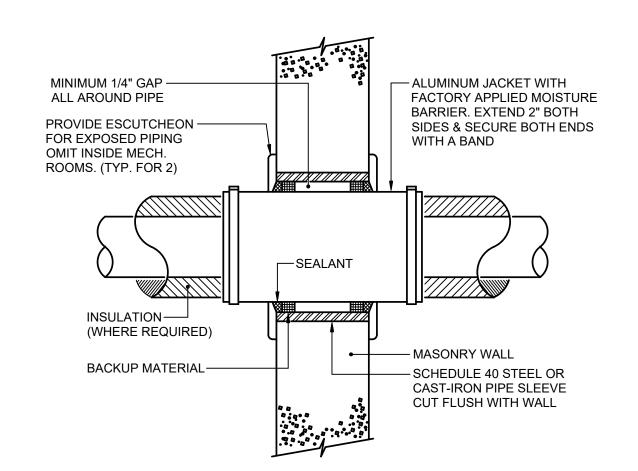
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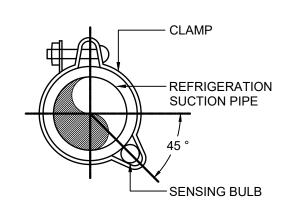
MECHANICAL DETAILS

COMM. NO. REVISION NO. 2035 M - 301ISSUE DATE 02/15/2021

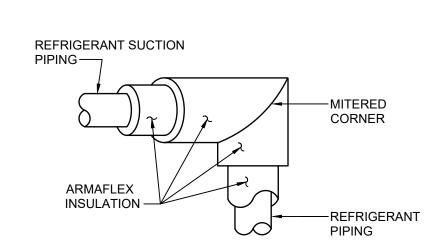




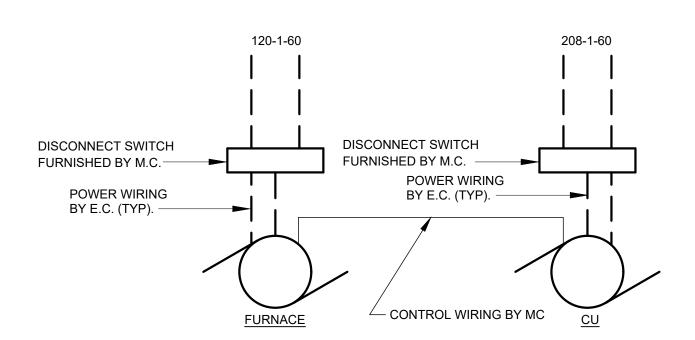




4 REFRIGERANT SUCTION PIPE SENSING BULB DETAIL
M-302 NO SCALE

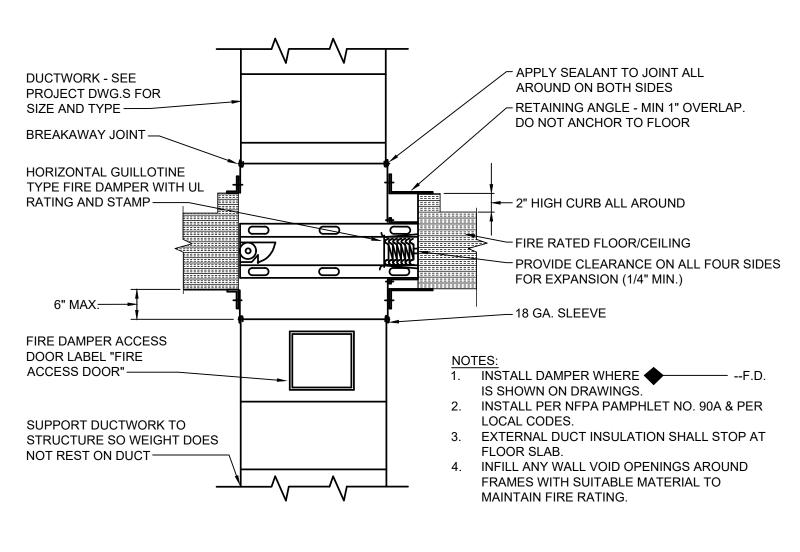


5 TYPICAL INSULATED PIPING AND ELBOW DETAIL
NO SCALE

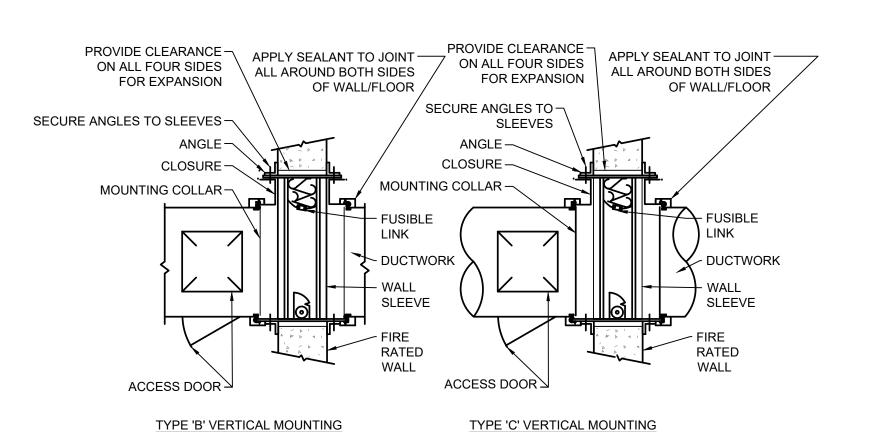


7 FURNACE / CU WIRING DIAGRAM
NO SCALE









6 FIRE DAMPERS
NO SCALE

GAUGES SHALL CONFORM TO SMACNA OR ASHRAE DUCT STANDARDS

NOTES:

1. ANGLES SHALL BE A MINIMUM OF 1 1/2" x 1 1/2" x 14GA. FASTEN TO COLLAR ONLY, WITH 1/4" DIA.

NUTS & BOLTS OR WELDING 8" ON CENTER OR, NO. 10 SHEET METAL SCREWS 8" ON CENTER OR 3/16"

STEEL POP RIVETS (SEE NOT 3 FOR CLEARANCE AND OVERLAP).

2. COLLARS SHALL BE OF THE SAME OR HEAVIER GAUGE AS THE DUCT TO WHICH IT IS ATTACHED.

3. WHEN THE FOLLOWING DUCT COLLARS CONNECTIONS ARE USED, THE MINIMUM GAUGE OF THE COLLAR SHALL BE 16 GAUGE ON DAMPERS NOT EXCEEDING 36"W x 24"H AND 14 GAUGE ON LARGER CURTAIN TYPE DAMPERS.

4. FIRE DAMPERS SHALL HAVE A CLEARANCE OF 1/8" PER FOOT ON HEIGHT AND WIDTH AND ANGLES SHALL INCREASE IN SIZE, PROPORTIONATELY, SO THAT THERE WILL BE A MINIMUM OF 1" OVERLAP ON THE DARFITION.

5. ON TYPE 'C' INSTALLATIONS, THE WALL COLLAR MUST BE 18 GAUGE OR HEAVIER.

6. MAXIMUM SINGLE DAMPER OF MULTIPLE DAMPER ASSEMBLY SHALL BE 40" x 40" IN VERTICAL

MOUNTINGS, 42"H x 36"H IN HORIZONTAL MOUNTINGS.

7. IN MULTIPLE DAMPER ASSEMBLY, UNITS SHALL BE FASTENED TOGETHER.

8. FIRE DAMPER INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS "NFPA 90A", "UL 555", & "FIRE DAMPER & HEAT STOP GUIDE FOR AIR HANDLING SYSTEMS 1992 EDITION".

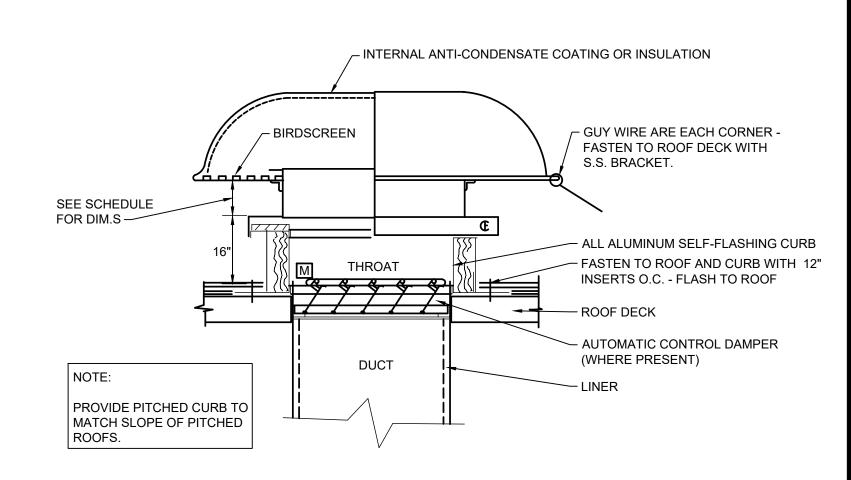
"NFPA 90A", "UL 555", & "FIRE DAMPER & HEAT STOP GUIDE FOR AIR HANDLING SYSTEMS 1992 EDITION 9. FIRE DAMPER SLEEVES SHALL HAVE BREAK-AWAY CONNECTIONS AT DUCT ATTACHMENTS.

10. ACCESS DOOR FOR A FIRE DAMPER LOCATED IN A RATED WALL DIRECTLY BEHIND A GRILLE OR REGISTER MAY BE ELIMINATED. THE FUSIBLE LINK MAY BE ACCESSED THRU THE REMOVABLE CORE.

11. FIRE DAMPERS LOCATED IN FIRE RATED FLOORS SHALL BE RATED FOR HORIZONTAL MOUNTING AND SHALL BE INSTALLED IN A SIMILAR MANNER TO THOSE INSTALLED IN FIRE RATED WALLS.

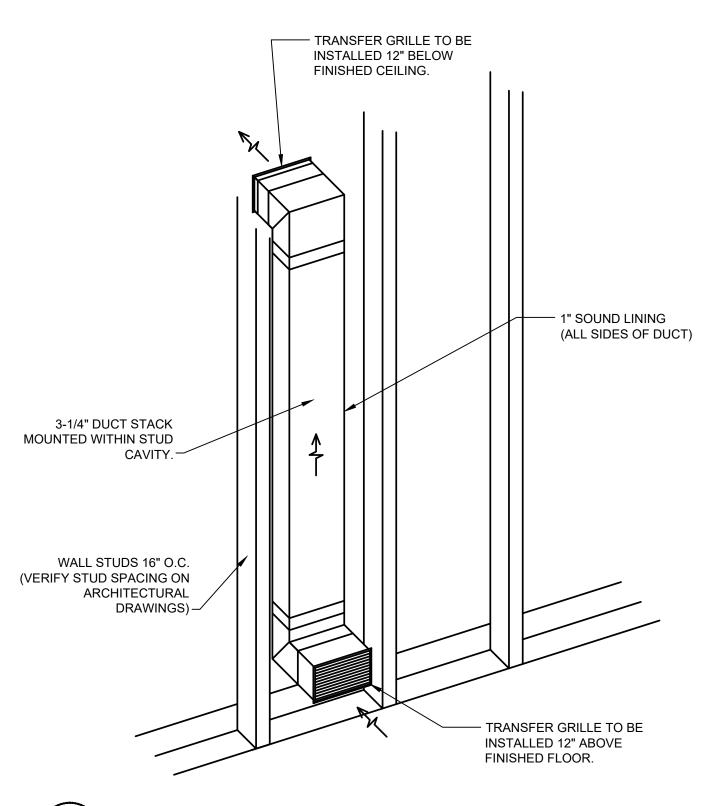
12. NOT REQUIRED ON FUME HOOD EXHAUST IN ATTEMPTION.

13. ACCESS DOORS TO BE DOUBLE WALL INSULATED TYPE IF DUCTWORK IS SPECIFIED TO BE INSULATED TYPE.

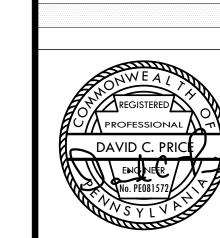


RECTANGULAR ROOF VENTILATOR

3 GRAVITY VENTILATOR DETAIL
M-302 NO SCALE



8 RETURN AIR TRANSFER DUCT STACK IN STUD WALL
NOT TO SCALE



PROPERTY REHABILITATION FOR:

FOR CONSTRUCTION

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DEVELOPMENT &
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REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



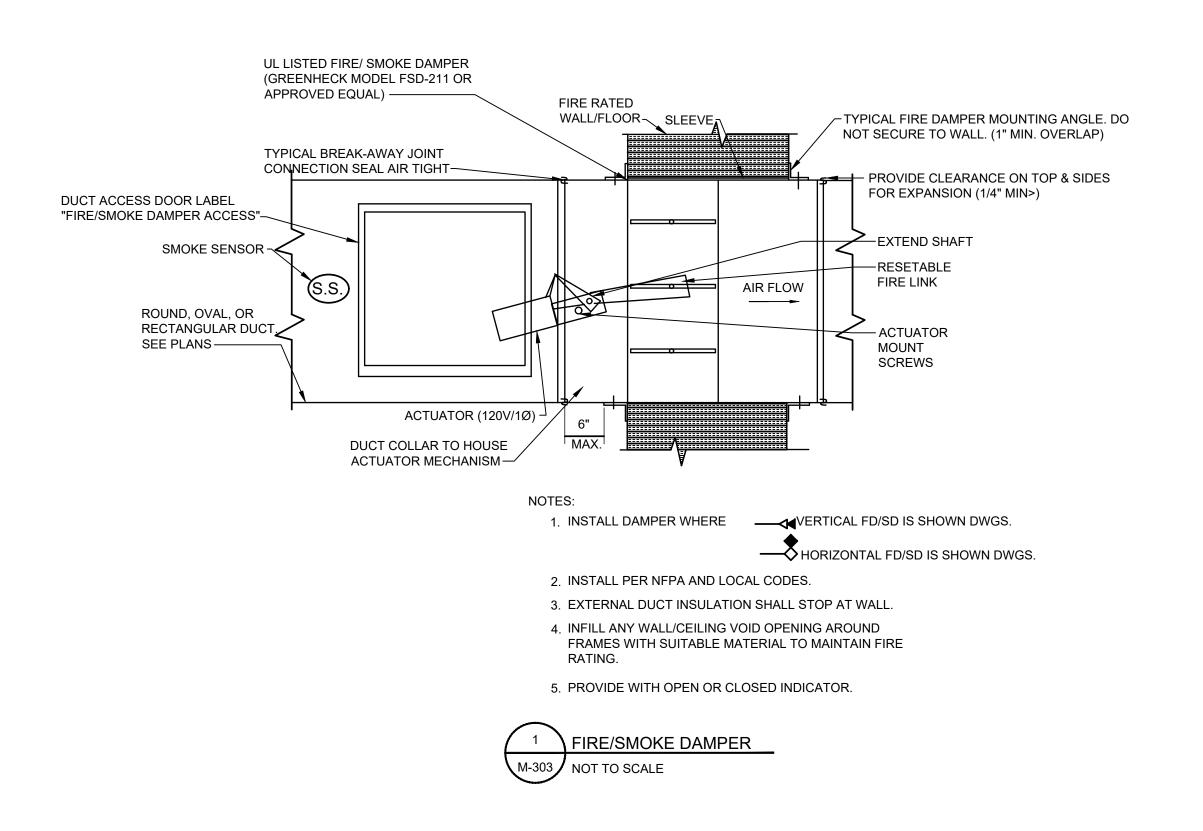
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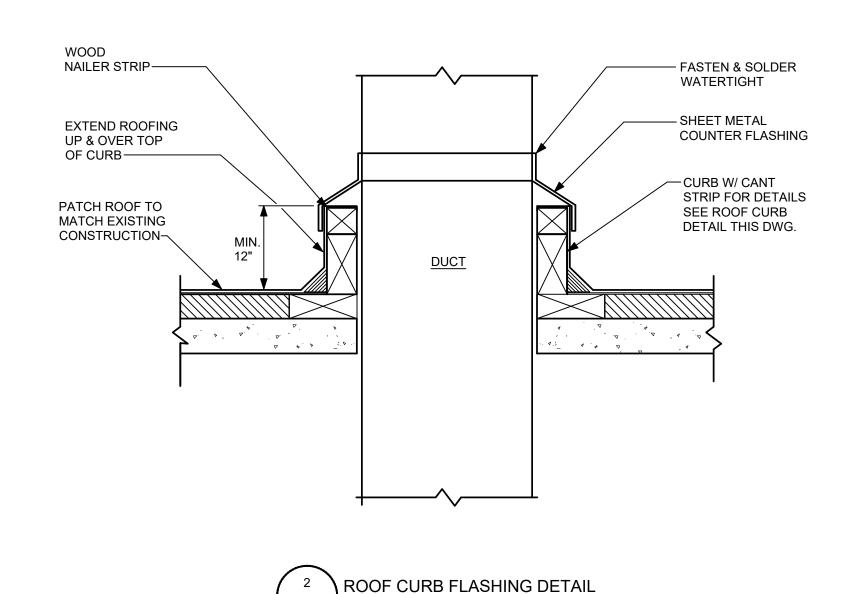
MECHANICAL DETAILS

COMM. NO. 2035

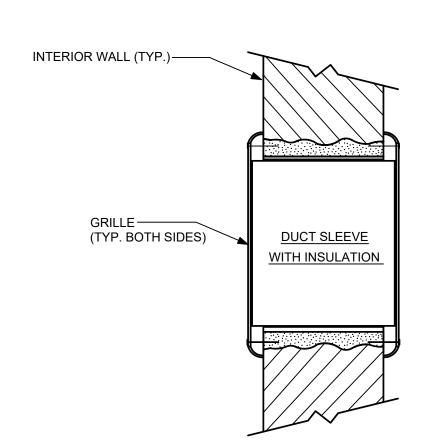
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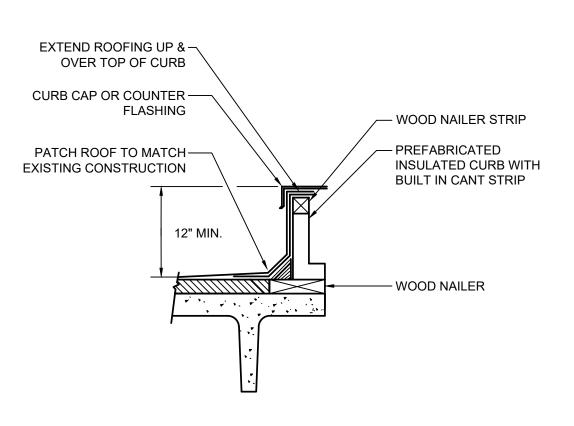




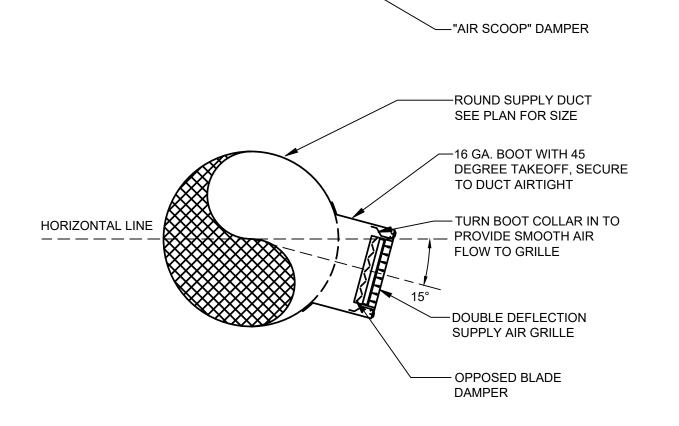
HORIZONTAL LINE











-ROUND SUPPLY DUCT SEE PLAN FOR SIZE

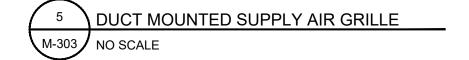
-SECURE GRILLE

TO DUCT AIRTIGHT

- SUPPLY GRILLE FOR

DETAILS SIZE

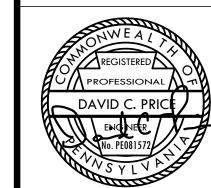
—CURVE GRILLE FOR SPIRAL DUCT





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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

MECHANICAL DETAILS

COMM. NO. 2035 ISSUE DATE 02/15/2021



FURNA	CE UNIT	SCHED	JLE																								
		SUPPLY	FAN DA	ГА				HEA	TING CAPAC	TY					Г	X COOLII	NG COIL				ELECTR	ICAL DA	·ΤΑ				
UNIT DES.	SUPPLY CFM	MAX OA CFM	E.S.P. IN. WG	RPM	HP	FUEL TYPE	STAGES	INPUT MBH	OUTPUT MBH	EAT DB DEG F.	LAT DB DEG F.	AFUE	DX COIL MODEL		LAT WB DEG F.			SENS. MBH	TOTAL MBH	SEER	VOLTS/PH	FLA	МОСР	MODEL	WEIGHT	BASIS OF DESIGN	REMARKS
FCUB-1	2000	397	1.0	1	1.0	NAT. GAS	1	110.0	107.2	56.5	105.2	96%	CX35-60C-F	76.9	64.4	55.0	54.0	47.5	58.3	14.5	120V/1PH.	11.5	15.0	ML196UH110XE60C	177 LBS.	LENNOX	1 THRU 12
FCUB-2	2000	271	1.0	1	1.0	NAT. GAS	1	110.0	107.2	60.8	109.5	96%	CX35-60C-F	76.0	63.6	55.0	54.0	45.4	56.3	14.5	120V/1PH.	11.5	15.0	ML196UH110XE60C	177 LBS.	LENNOX	1 THRU 12
FCU3-1	2030	182	1.0	-	1.0	NAT. GAS	1	110.0	107.2	63.9	111.9	96%	CX35-60C-F	75.3	62.9	55.0	54.0	44.6	55.6	14.5	120V/1PH.	11.5	15.0	ML196UH110XE60C	177 LBS.	LENNOX	1 THRU 12

1. PROVIDE APPROPRIATE CLEARANCE TO COMBUSTIBLES.

2. PROVIDE (2) NEW 3/4" CONDENSATE DRAINS. PROVIDE HORIZONTAL DRAIN PAN BENEATH UNIT WITH AUTO WATER LEVEL SENSOR CUTOFF DEVICE.

3. PROVIDE NEW MERV 8 FILTER AND FILTER RACK FOR RETURN AIR INLET.

4. PROVIDE NEW VIBRATION ISOLATION PADS.

5. PROVIDE THERMAL EXPANSION VALVE (TXV). 6. PROVIDE PRESSURE SWITCH.

7. PROVIDE FLUE CONDENSATE TRAP ASSEMBLY.

8. PROVIDE GAS CONTROL VALVE.

9. PROVIDE CONCENTRIC VENT TERMINATION KIT.

10. REMOTE OUTDOOR TEMPERATURE SENSOR AND HUMIDITY SENSOR FOR ECONOMIZER OPERATION.

11. PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT.

12. PROVIDE HIGH PERFORMANCE ECONOMIZER OPTION.

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT	SERVES	STAGES	NON CAPA	IINAL ACITY	COOLING EFF.	HEAT	NOM. CONN.	EAT D	EG F.	ELEC	TRICAL		REFRIGERA	NT LINESET	SOUND PRESS.	WEIGHT	MANUF.	MODEL	REMARKS
DES.	SERVES	NO. OF 8	COOL MBTUH	HEAT MBTUH	SEER	COP	CAP. %	COOL -ING	HEAT -ING	VOLTS/PH.	MCA	rfs	SUCTION	LIQUID	DBA	WEIGHT	WANOF.	WODEL	REWARNS
CUB-1	FCUB-1	1	60	N/A	14.0	N/A	97.1	89	N/A	208V/1PH.	34.8	60	1-1/8"	3/8"	80	238	LENNOX	ACX14060-230-1	1 THRU 17
CUB-2	FCUB-2	1	60	N/A	14.0	N/A	93.8	89	N/A	208V/1PH.	34.8	60	1-1/8"	3/8"	80	238	LENNOX	ACX14060-230-1	1 THRU 17
CU3-1	FCU3-1	1	60	N/A	14.0	N/A	92.7	89	N/A	208V/1PH.	34.8	60	1-1/8"	3/8"	80	238	LENNOX	ACX14060-230-1	1 THRU 17

1. MCA - MINIMUM CIRCUIT AMPACITY, RFS - RECOMMENDED FUSE SIZE, MFS- MAXIMUM FUSE SIZE

2. PROVIDE DISCONNECT.

3. MOUNT UNIT ON 6" CONCRETE OUTDOOR PAD WITH EQUIPMENT SUPPORT RAIL AND VIBRATION ISOLATION PADS.

4. PROVIDE LIQUID LINE SOLENOID VALVE KIT.

5. PROVIDE LONG LINE APPLICATION KIT FOR REFRIGERANT LINE RUNS GREATER THAN 80 FEET IN TOTAL LENGTH. FREEZE PROTECTION KIT.

7. LOW AMBIENT KIT. 8. FILTER DRIER.

9. HIGH AND LOW PRESSURE SWITCHES.

10. THERMOSTATIC EXPANSION VALVE.

11. BRASS SUCTION AND LIQUID SERVICE VALVES WITH SWEAT CONNECTIONS AND SERVICE PORTS.

12. CRANKCASE HEATER.

13. COMPRESSOR SOUND JACKET. 14. PROVIDE FUSED DISCONNECT.

15. SIGHT GLASS.

16. HARD START KIT. 17. REMOTE OUTDOOR TEMPERATURE SENSOR AND HUMIDITY SENSOR FOR ECONOMIZER OPERATION.

PIPE INSULATION THICKNESS SCHEDULE												
ELLID ODEDATING	INSULATION	CONDUCTIVITY		NOMINAL PII	PE OR TUBE	SIZE (IN)						
FLUID OPERATING TEMPERATURE AND USAGE (°F)	CONDUCTIVITY BTU·IN.(h·ft ² ·°F)	MEAN RATING TEMPERATURE (°F)	<1	1 to < 1 ½	1 ½ < 4	4 to < 8	≥ 8					
> 350	0.32 - 0.34	250	4.5	5.0	5.0	5.0	5.0					
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.5					
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0					
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0					
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5					
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0					
40	0.20 - 0.26	50	0.5	1.0	1.0	1.0	1.5					

REMARKS:

PIPING SERVING AS PART OF A HEATING OR COOLING SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE ABOVE

(IECC 2015 TABLE C403.2.10) WITH THE FOLLOWING EXCEPTIONS: 1. FACTORY-INSTALLED PIPÍNG WITHIN HVAC EQUIPMENT TESTED AND RATED IN ACCORDANCE WITH A TEST PROCEDURE REFERENCED

2. FACTORY-INSTALLED PIPING WITHIN ROOM FAN-COILS AND UNIT VENTILATORS TESTED AND RATED ACCORDING TO AHRI 330 (EXCEPT

THAT THE SAMPLING AND VARIATION PROVISIONS OF SECTION 6.5 SHALL NOT APPLY) AND AHRI 840, RESPECTIVELY.

3. PIPING THAT CONVEYS FLUIDS THAT HAVE A DESIGN OPERATING TEMPERATURE RANGE BETWEEN 60°F AND 105°F.

4. PIPING THAT CONVEYS FLUIDS THAT HAVE NOT BEEN HEATED OR COOLED THROUGH THE USE OF FOSSIL FUELS OR ELECTRIC POWER.

5. STRAINERS, CONTROL VALVES, AND BALANCE VALVES ASSOCIATED WITH PIPING 1 INCH OR LESS IN DIAMETER. 6. DIRECT BURIED PIPING THAT CONVEYS FLUIDS AT OR BELOW 60°F.

THERMAL INSUL	ATION SCHEDULE								
					SMAC	CNA CLASS			
SYSTEM	SYSTEM- LOCATION	OPERATING TEMPERATURE	MATERIAL	TYPE	THICKNESS IN.S	DENSITY LB/CU. FT.	INSTALLED "R" VALUE/ CONDUCTIVITY	JACKET	REMARKS
DUCT	SUPPLY AIR DUCT - INDOOR CONCEALED, ACCESSIBLE,	40-120	MINERAL-FIBER	BLANKET	2.0"	0.75	5.0	FSK	1, 5
DUCT	SUPPLY AIR DUCT - INDOOR CONCEALED, INACCESSIBLE	40-120	MINERAL-FIBER	BOARD	1.5 "	2.25	6.5	FSK	2
DUCT	SUPPLY AIR DUCT - INDOOR EXPOSED	40-120	MINERAL-FIBER	LINER	1.0"	4.0	4.3	-	8
DUCT	RETURN AIR DUCT - INDOOR CONCEALED	40-120	MINERAL-FIBER	LINED	1.0 "	2.25	4.0	-	2
DUCT	RETURN AIR DUCT - INDOOR EXPOSED	40-120	MINERAL-FIBER	LINED	1.0 "	2.25	4.0	-	8
DUCT	TRANSFER AIR DUCT - INDOOR	40-120	MINERAL-FIBER	LINED	1.0 "	2.25	4.0	-	8
DUCT	EXHAUST DUCT WITHIN 10 FEET OF EXTERIOR OPENING - INDOOR	40-120	MINERAL-FIBER	BOARD	1.0 "	2.25	4.3	FSK	7
DUCT	OUTSIDE AIR DUCT - INDOOR	0-100	MINERAL-FIBER	BOARD	3.0 "	2.25	12.0	FSK	7
PIPING	REFRIGERANT - CONDITIONED SPACE	40-60	MINERAL-FIBER	PRE-MOLDED				ASJ+SSL	6
PIPING	REFRIGERANT - UNCONDITIONED SPACE	40-60	MINERAL-FIBER WICKING	PRE-MOLDED	REFER TO F	PIPING INSULAT SCHEDULE	ION THICKNESS	ASJ+SSL	6
PIPING	COLD CONDENSATE DRAIN - INDOOR, ONLY ON METAL PIPE	40-60	MINERAL-FIBER	PRE-MOLDED				ASJ+SSL	7
PIPING	OUTDOOR PIPING EXPOSED TO FREEZING (HEAT TRACED PIPE)	40-100	MINERAL-FIBER	PRE-MOLDED				ALUM.	

CONCEALED, ACCESSIBLE LOCATIONS - ABOVE LAY-IN OR ACCESSIBLE CEILINGS, ACCESSIBLE MECHANICAL SHAFTS.
 CONCEALED, INACCESSIBLE LOCATIONS - ABOVE HARD CEILINGS, (DRY WALL, PLASTER), MECHANICAL SHAFTS, BEHIND WALLS.

3. FOR DUCTS LOCATED OUTDOORS PROVIDE WATERPROOF CONSTRUCTION WITH WATER & UV RESISTANT MASTIC ON ALL JOINTS. INTERNALLY LINE WITH ACOUSTICAL DUCT LINER. CROSS-BREAK TOP TO SHED WATER. 4. CONSTRUCT PER NFPA 96 STANDARDS FOR KITCHEN EXHAUST. WHERE LOCATED WITH 3" OF COMBUSTIBLE PROTECT COMBUSTIBLE MATERIALS, WRAP EXTERIOR WITH FIRE RESISTANT INSULATION.

5. DO NOT INSULATE:

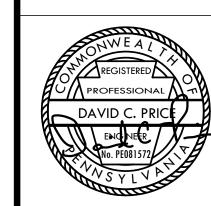
- MAKE-UP AIR DUCTWORK OPERATING AT SURROUNDING AMBIENT CONDITIONS

- TRANSFER AIR DUCTWORK (ACOUSTICALLY LINE DUCT) - EXPOSED SUPPLY DUCTWORK LOCATED IN CONDITIONED SPACE. (DOES NOT INCLUDE RETURN AIR PLENUM)

8. DUCTWORK SHALL BE PAINTED WHERE EXPOSED OR VISIBLE TO OCCUPANTS. COLOR TO BE SELECTED BY ARCHITECT.

6. COVER ALL EXPOSED PIPING LOCATED BELOW 7' 0" ABOVE FINISHED FLOOR WITH PVC JACKET. 7. MULTIPLE INSULATION METHODS MAY BE USED TO ACHIEVE THE TOTAL REQUIRED R-VALUE.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



PHONE: 412-566-1531 FAX: 412-566-1532

MECHANICAL SCHEDULES COMM. NO. REVISION NO.

2035 ISSUE DATE 02/15/2021

ELECTRIC \	ELECTRIC WALL HEATER SCHEDULE										
TAG	TYPE	KW	ELEC. VOLT/PH	AMPS	BASIS OF DESIGN	MODEL	REMARKS				
EWH B-1	WALL	3.0	208/1	14.5	BERKO	FRA4024F	2,3,4,5				
EWH 1-1	WALL	3.0	208/1	14.5	BERKO	FRA4024F	1,3,4,5				
EWH 2-1	WALL	3.0	208/1	14.5	BERKO	FRA4024F	2,3,4,5				

1. FULLY RECESSED ELECTRIC WALL HEATER.

2. SURFACE MOUNTED ELECTRIC WALL HEATER.

3. INTEGRAL DISCONNECT. 4. TAMPER PROOF COVER.

5. INTEGRAL THERMOSTAT.

HVAC LOUVER	RS												
TAG	MAX AIF FLOW CF		INTAKE OR		SIZE		FREE AREA VEL.	P.D. IN W.C.	MATERIAL	FRAME TYPE	BLADE TYPE	FINISH/COLOR	NOTES
			EXH.	W	Н	D	FPM						
LVR1-1	POTTORFF EFD-245	2000	INTAKE	110" (FV)	20" (FV)	2"	900	0.08	ALUMINUM	CHANNEL, DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1
LVR1-2	POTTORFF EFD-245	2000	RELIEF	30"	24"	2"	950	0.08	ALUMINUM	CHANNEL, DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1
LVR3-1	POTTORFF EFD-245	4000	RELIEF	60"	24	2"	950	0.08	ALUMINUM	CHANNEL, DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1

1. PROVIDE BIRD SCREEN ON INSIDE FACE OF LOUVER.

AIR HANDLING UNIT	AREA SERVED												
UNIT		SPACE DESIGNATION		AREA RATE PEOPLE RATE				TOTAL REQ'D VENT @ ROOM (CFM)	VENT EFFECTIVENES	TOTAL REQ'D VENT @ AHU	REMARKS		
			AREA (SQFT)	REQ'D VENT (CFM/SQFT)	REQ'D VENT (CFM)	PEOPLE	REQ'D VENT (CFM/PERSON)	DIVERSITY	REQ'D VENT (CFM)	(CFM)	S (%)	INLET (CFM)	
	000 MECHANICAL ROOM	MECHANICAL ROOM	197	0.0	0	0	0.0	1.0	0	0	0.8	0.0	
	001/010 STORAGE/CORRIDOR	CORRIDOR	162	0.06	10	0	0.0	1.0	0	10	0.8	12.2	
	001A - ELECTRICAL PANEL AREA	ELECTRICAL EQUIPMENT AREA	287	0.0	0	0	0.0	1.0	0	0	0.8	0.0	
	002 DATA ROOM	ELECTRICAL EQUIPMENT AREA	103	0.0	0	0	0.0	1.0	0	0	0.8	0.0	
	005 ELEVATOR MECHANICAL ROOM	ELECTRICAL EQUIPMENT AREA	40	0.0	0	0	0.0	1.0	0	0	0.8	0.0	
	100 ENTRY VESTIBULE	VESTIBULE	36	0.0	0	0	0.0	1.0	0	0	0.8	0.0	
	102 RESOURCE CENTER	OFFICE	645	0.06	39	6	5.0	1.0	32	71	0.8	88.7	
	202 TRAINING	LECTURE CLASSROOM	687	0.06	41	25	7.5	1.0	188	229	0.8	285.9	
	205 ELEVATOR LOBBY	CORRIDOR	142	0.06	9	0	0.0	1.0	0	9	0.8	10.7	
												397.4	TOTAL FOR FC
	106 COMPUTER ROOM	COMPUTER (NOT PRINTING)	413	0.06	25	2	5.0	1.0	10	35	0.8	43.9	
	007 STORAGE	STORAGE - DRY MATERIALS	150	0.12	18	0	0.0	1.0	0	18	0.8	22.5	
	006 STORAGE	STORAGE - DRY MATERIALS STORAGE - DRY MATERIALS	141	0.12	17	0	0.0	1.0	0	17	0.8	21.1	
	011 STORAGE	STORAGE - DRY MATERIALS	203	0.12	24	0	0.0	1.0	0	24	0.8	30.4	
	105 ELEVATOR LOBBY	CORRIDOR	150	0.06	9	0	0.0	1.0	0	9	0.8	11.3	
	107 TOILET	RESTROOM	115	-	-	0	0.0	1.0	0	-	-	150 CFM CONTINUOUS EXHAUST	EXHAUST - EXISTING
	108 KITCHENETTE	BREAK ROOM	72	0.12	9	4	5.0	1.0	18	27	0.8	33.3	
	110A OFFICE	OFFICE	177	0.06	11	1	5.0	1.0	4	15	0.8	18.8	
	110B OFFICE	OFFICE	293	0.06	18	1	5.0	1.0	7	25	0.8	31.1	
	207 TOILET	RESTROOM	155	-	-	0	0.0	1.0	0	-	-	150 CFM CONTINUOUS EXHAUST	EXHAUST - EXISTING
	208 CORRIDOR	CORRIDOR	28	0.06	2	0	0.0	1.0	0	2	0.8	2.1	
	210 KITCHENETTE	BREAK ROOM	157	0.12	19	8	5.0	1.0	39	58	0.8	72.6	
	211 ADMINISTRATIVE OFFICE	OFFICE	263	0.06	16	1	5.0	1.0	7	22	0.8	27.9	
												271.2	TOTAL FOR FC
	302 BUSINESS INCUBATER	OFFICE	674	0.06	40	10	5.0	1.0	50	90	0.8	113.1	
	305 ELEVATOR LOBBY	CORRIDOR	165	0.06	10	0	0.0	1.0	0	10	0.8	12.4	
	307 WORKROOM	OFFICE	430	0.06	26	4	5.0	1.0	20	46	0.8	57.3	

REMARKS:

1. CALCULATIONS WERE PERFORMED BASED ON IMC-2015 SECTIONS 402 & 403. MINIMUM OA FOR FURNACE UNITS ARE SCHEDULED ON M-401 EXCEPT FOR EXISTING ROOFTOP UNIT, FOR WHICH IT HAS BEEN ASSUMED THAT AVAILABLE FRESH AIR VOLUME FOR THE EXISTING UNIT IS NO GREATER THAN 20% OF THE DESIGN SUPPLY FLOW.



GRILL	GRILLE, REGISTER & DIFFUSER SCHEDULE (PHASE 1)									
TAG	FACE SIZE (SLOT WIDTH)	# SLOTS/ BAR, GRID SPACE	DEFLECTION/ THROW	CONN. SIZE	MAX CFM	P.D. IN. W.C.	MAX. NC	BASIS OF DESIGN	MODEL	REMARKS
S-1	14/8	N/A	2-WAY	12/6	310	0.17	23	PRICE	520D	1,2,3
S-2	20/8	N/A	1-WAY	18/6	350	0.11	29	PRICE	LFG-15A	1,2,3,4,5,6
S-3	24/24	N/A	4-WAY	8"Ø	314	0.06	22	PRICE	SCD	1,2,3
RG-1	14/8	1/2"	0°	12/6	312	0.18	32	PRICE	530D	1,2,3
RG-2	16/14	1/2"	0°	14/12	749	0.14	33	PRICE	530D	1,2,3
RG-3	20/16	1/2"	0°	18/14	1120	0.14	35	PRICE	530D	1,2,3
RG-4	26/22	1/2"	0°	24/20	2000	0.12	33	PRICE	530D	1,2,3

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES AND MOUNTING

REQUIREMENTS. 2. COLOR SELECTED BY ARCHITECT.

3. PROVIDE OPPOSED BLADE DAMPERS AT DIFFUSERS, GRILLES, OR REGISTERS IF INSTALLED IN

HARD CEILING OR WALL. 4. HEAVY DUTY LINEAR FLOOR GRILLE.

5. PROVIDE INSULATED PLENUM BOX FOR SUPPLY DUCT CONNECTION. 6. PROVIDE BUTTERFLY DAMPER AT ROUND SUPPLY DUCT OPENING.

TRANSFER AIR DUCT SCHEDULE								
DESIGNATION	DUCT SIZE	CFM RANGE	DETAIL					
T1	12 x 6	0-300	#8/M-302					
T2	24 x 12	0-1200	-					
Т3	24 x 12	0-1200	#3/M-303					

NOTES:

1. SIZING BASED ON 0.05"/100 FT. P.D. ~ 700 FPM

2. REFER TO DETAIL FOR DUCT CONFIGURATION.

3. PROVIDE 1" THICK ACOUSTICAL LINER.

4. EACH END OF TRANSFER DUCT SHALL BE EQUIPPED WITH LOUVERED SINGE DEFLECTION RETURN GRILLE OF EQUAL SIZE (MODEL PRICE 530D).

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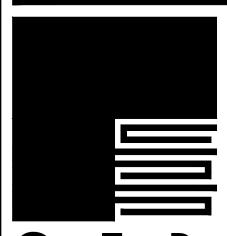
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



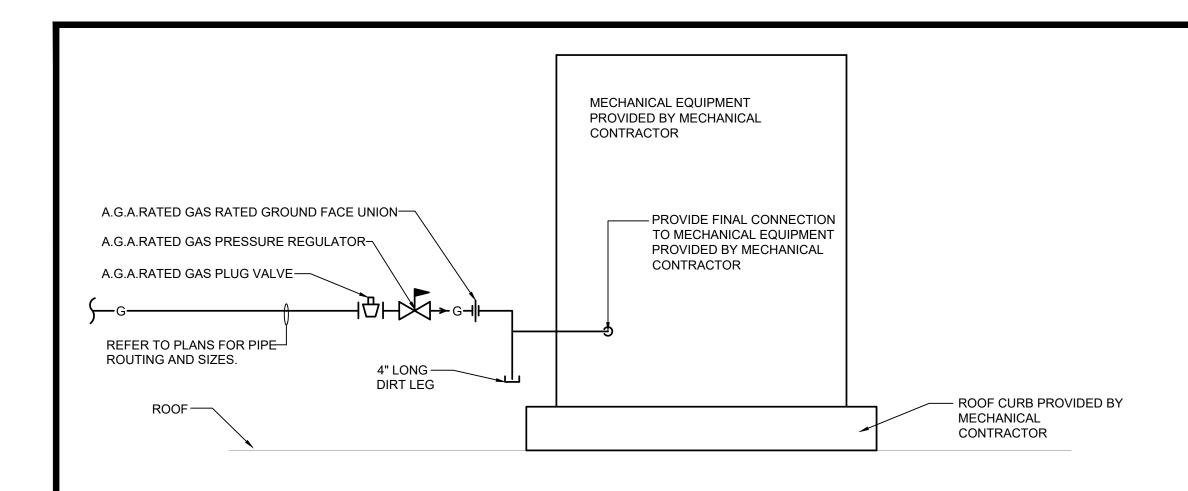
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

MECHANICAL SCHEDULES

COMM. NO. 2035 ISSUE DATE 02/15/2021

M-402



TYPICAL GAS EQUIPMENT CONNECTION DETAIL P001 NOT TO SCALE

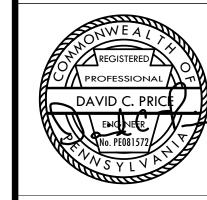
		PLUMBING	G LEGEND		
SYMBOL	ABRV.	DESCRIPTION	SYMBOL	ABRV.	DESCRIPTION
—SAN——S	SAN	SANITARY PIPING	⊱ —•		PIPE UP
KW	KW	KITCHEN WASTE PIPING (TO GREASE INTERCEPTOR)	├		PIPE DOWN
sts	ST	STORM PIPING (PRIMARY)	} 		PIPE TEE DOWN
—-OD- —- 5	OD	SECONDARY / OVERFLOW DRAIN PIPING	Ş——- I⊢——-\$		PIPE UNION
	V	VENT PIPING			PIPE CAP
cw	cw	COLD WATER PIPING	œ——		PIPE TRAP
—— HW ——— 5	HW	HOT WATER PIPING	, ∓ ,		BALL VALVE
—HWR——	HWR	HOT WATER RETURN PIPING	₹		BALL VALVE OR SHUTOFF VALVE IN RISE
TP _	TP	TRAP PRIMER PIPING	;—, ₩ — ;		GLOBE VALVE
<u></u> — G — -	G	GAS PIPING (NATURAL OR PROPANE)	Ş — ₹		BUTTERFLY VALVE
— FO ——	FO	FUEL OIL PIPING	⊱⋈∺		GATE VALVE
s	s	SPRINKLER PIPING	⊱- ₹		GAS COCK
—CD——	CD	CONDENSATE DRAIN PIPING	; ₹	MV	MIXING VALVE
		PIPING ROUTED BELOW GRADE / SLAB (LINE TYPE INDICATES SERVICE TYPE UNO)	۲		VACUUM RELIEF VALVE
— EX (X) ——	EX	EXISTING PIPING TO REMAIN - (X) DESIGNATES SERVICE	۲Ţ	VB	VACUUM BREAKER
—RX (X)——	RX	EXISTING PIPING TO BE REMOVED - (X) DESIGNATES SERVICE	; 		GAS SOLENOID VALVE
			5-♦- 5	BV	BALANCING VALVE
			; , , , , , , , , , ,	PRV	PRESSURE REDUCING VALVE
			≻ №	PRV	PRESSURE REGULATING VALVE

œ——		PIPE TRAP
⊱∓⊰		BALL VALVE
₹{		BALL VALVE OR SHUTOFF VALVE IN RISE
;— □ ↓		GLOBE VALVE
∮ —-∮		BUTTERFLY VALVE
		GATE VALVE
⊱ √ √		GAS COCK
HXH	MV	MIXING VALVE
Ļ		VACUUM RELIEF VALVE
۲Ţ	VB	VACUUM BREAKER
; 		GAS SOLENOID VALVE
5→ ••	BV	BALANCING VALVE
;	PRV	PRESSURE REDUCING VALVE
⊱ ∤	PRV	PRESSURE REGULATING VALVE
+ 7 +	CV	CHECK VALVE
} 		STRAINER
H2	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
H-177-	BFP	BACK FLOW PREVENTER
<u> </u>	PG	PRESSURE GAUGE
<u>, </u>		THERMOMETER
\$ \Q		AQUASTAT
⊬		HOT WATER RECIRC. PUMP
		INTERIOR HOSE BIBB OR HOSE END DRAIN VALVE
+		EXTERNAL WALL HYDRANT
∫ ■X		DOMESTIC SHOCK ABSORBER/WATER HAMMER ARRESTER; TEXT DENOTES SIZE (PDI: A ~ F)
;—⊚	FCO	CLEAN OUT, FLOOR
5—— I	со	CLEAN OUT, EXPOSED
•	FD	FLOOR DRAIN
•	RD	ROOF DRAIN
<u></u>		FLOOR DRAIN WITH TRAP PRIMER
		FLOOR SINK/RECEPTOR WITH HALF GRATE
5-1 <u>0</u> 1	OS&Y	OS&Y VALVE
У Ф.	T.S.	OS&Y VALVE WITH TAMPER SWITCH
<u></u>		FIRE DEPARTMENT SIAMESE CONNECTION
₩		FIRE PUMP TEST HEADER
<u>&</u>	FHV	FIRE HOSE VALVE CABINET
(I.E. XX.XX		INVERT ELEVATION B.F.F. (IN FEET)
(XX)		KITCHEN EQUIPMENT DESIGNATION; REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DETAILS
⊱ ₩→		UTILITY METER
•		CONNECT TO EXISTING
•		DISCONNECT FROM EXISTING
S		FLEXIBLE PIPE CONNECTION

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233

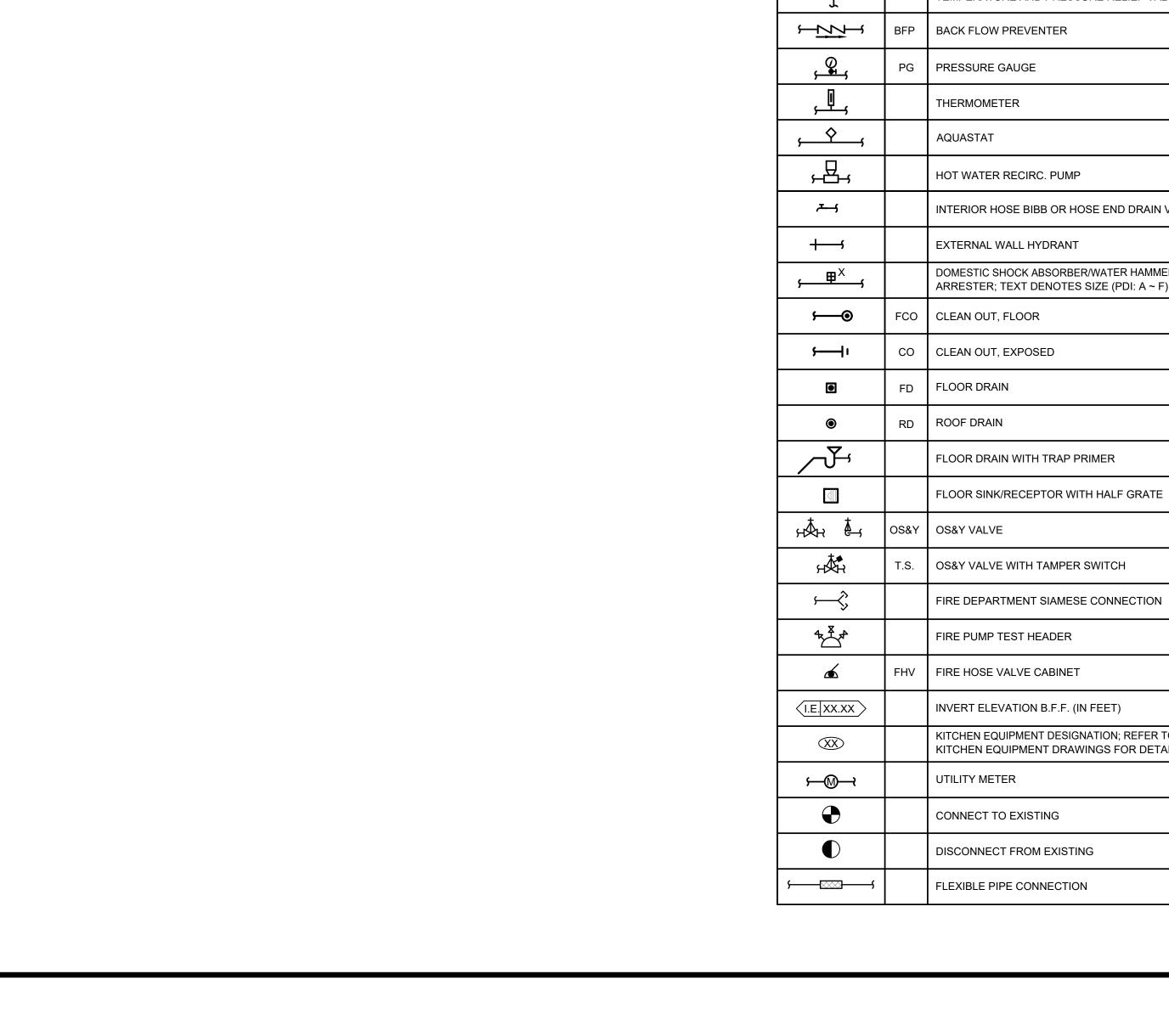


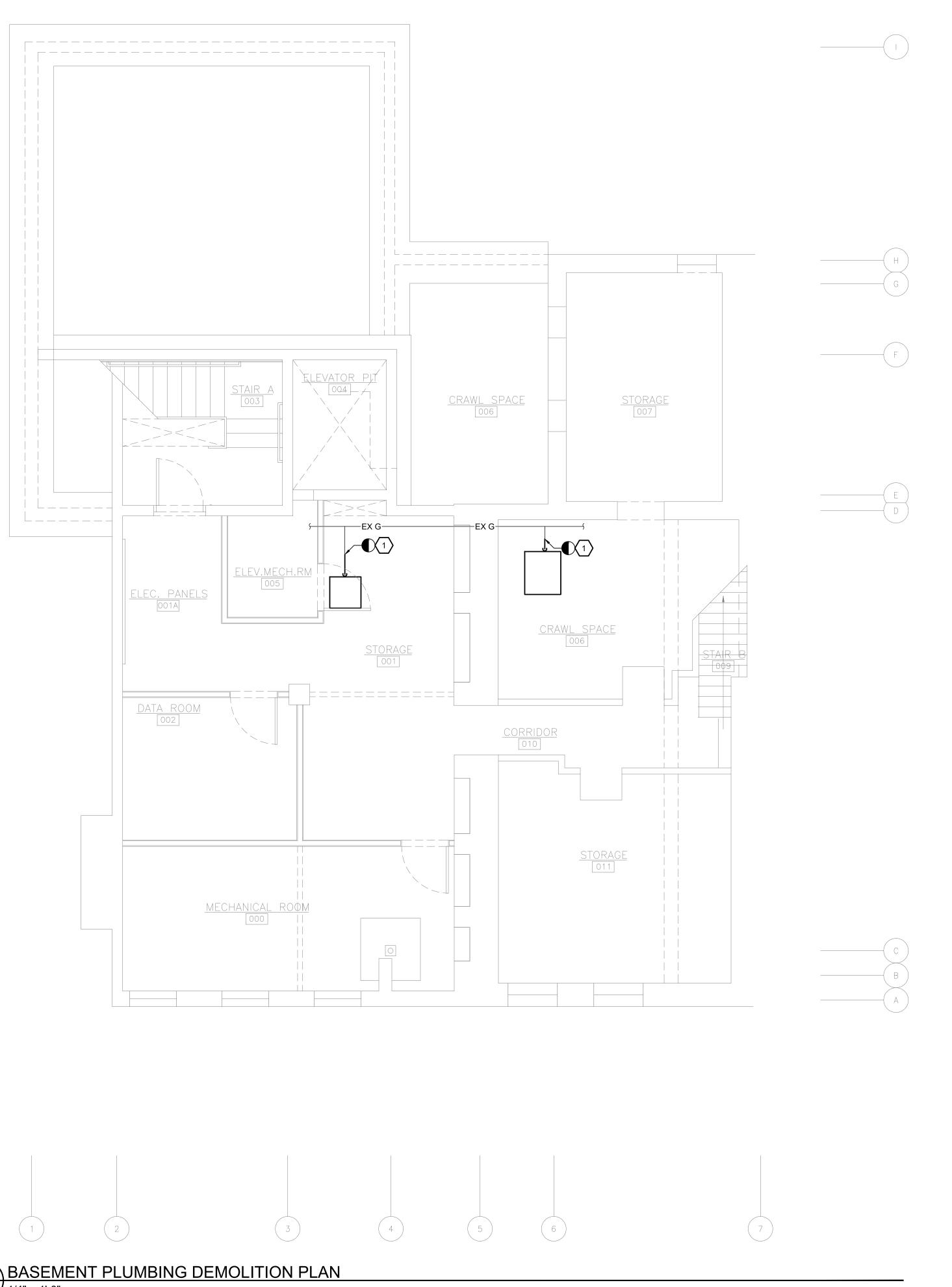
G E R A R D ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

PLUMBING DATA SHEET

COMM. NO. 2035 ISSUE DATE 02/15/2021



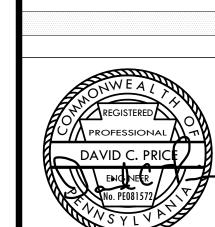


PLUMBING DEMOLITION GENERAL NOTES:

- COORDINATE SERVICE SHUTDOWNS WITH BUILDING OWNER'S MAINTENANCE PERSONNEL AND UTILITY
- 2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.

PLUMBING DEMOLITION KEY NOTES: (#)

1. REMOVE EXISTING GAS CONNECTION FROM MECHANICAL EQUIPMENT AND CAP.



PROPERTY REHABILITATION FOR:

FOR CONSTRUCTION

REVISIONS

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



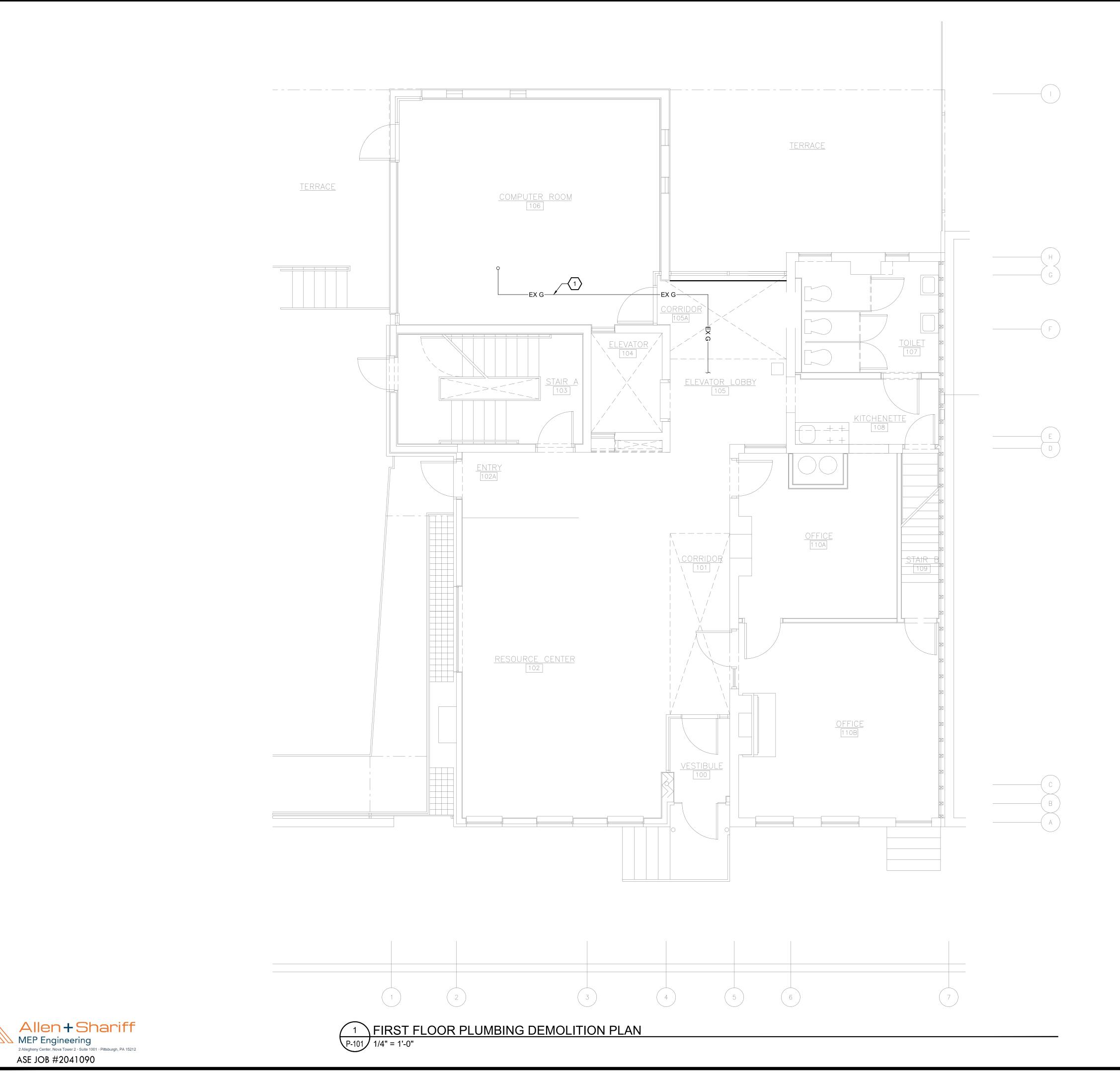
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT PLUMBING DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021





PLUMBING DEMOLITION GENERAL NOTES:

 COORDINATE SERVICE SHUTDOWNS WITH BUILDING OWNER'S MAINTENANCE PERSONNEL AND UTILITY COMPANY.

PLUMBING DEMOLITION KEY NOTES: (#)

1. EXISTING GAS PIPING SHALL REMAIN AND CONTINUE IN USE.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

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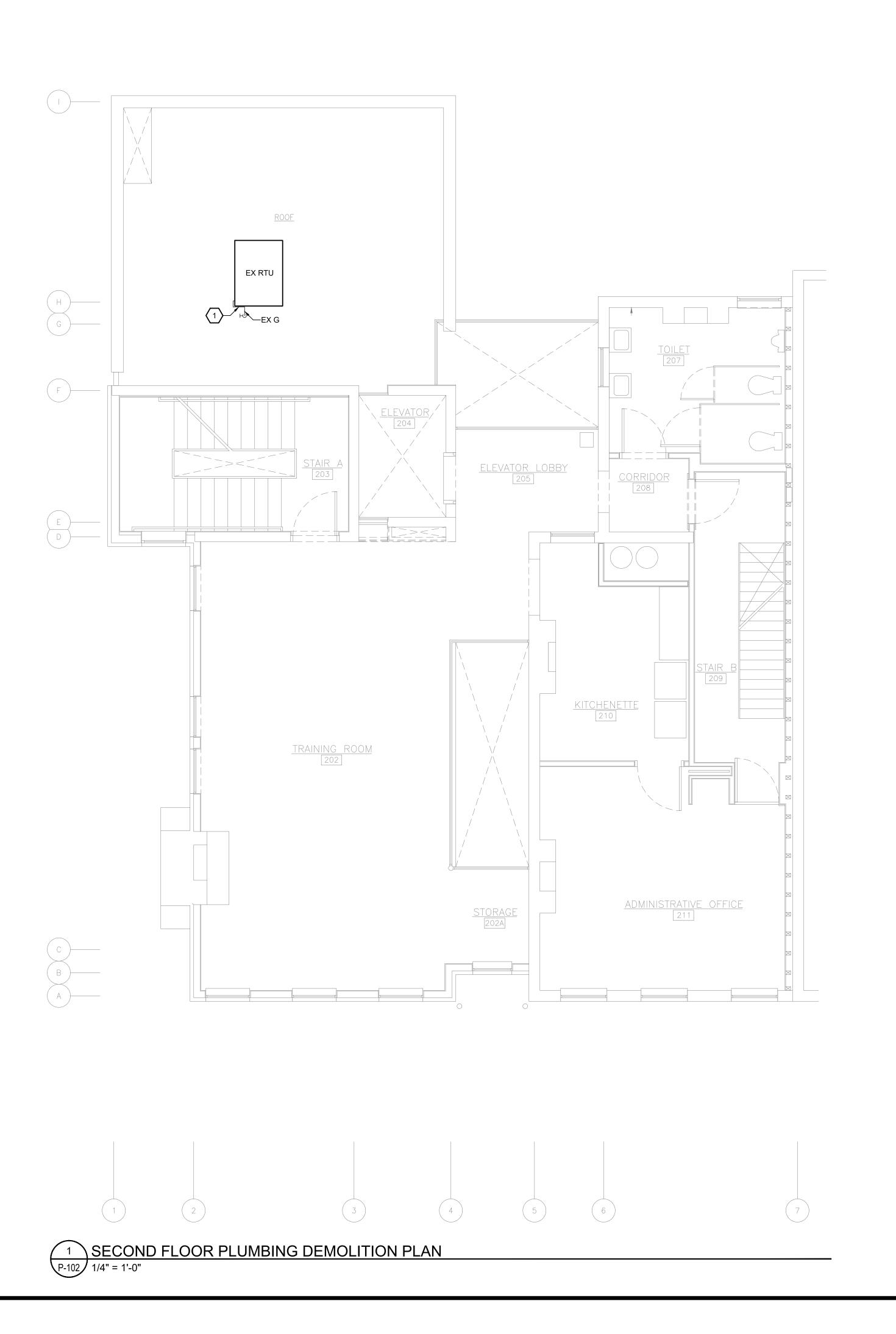


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FIRST FLOOR PLUMBING DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021



PLUMBING DEMOLITION GENERAL NOTES:

- COORDINATE SERVICE SHUTDOWNS WITH BUILDING OWNER'S MAINTENANCE PERSONNEL AND UTILITY COMPANY.
- 2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY

PLUMBING DEMOLITION KEY NOTES: (#)

EXISTING GAS PIPING AND CONNECTION TO EXISTING ROOFTOP UNIT SHALL REMAIN AND CONTINUE IN USE.

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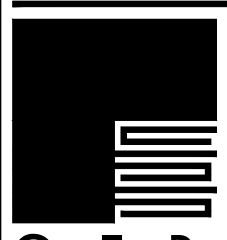
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ASSOCIATES ARCHITECTS

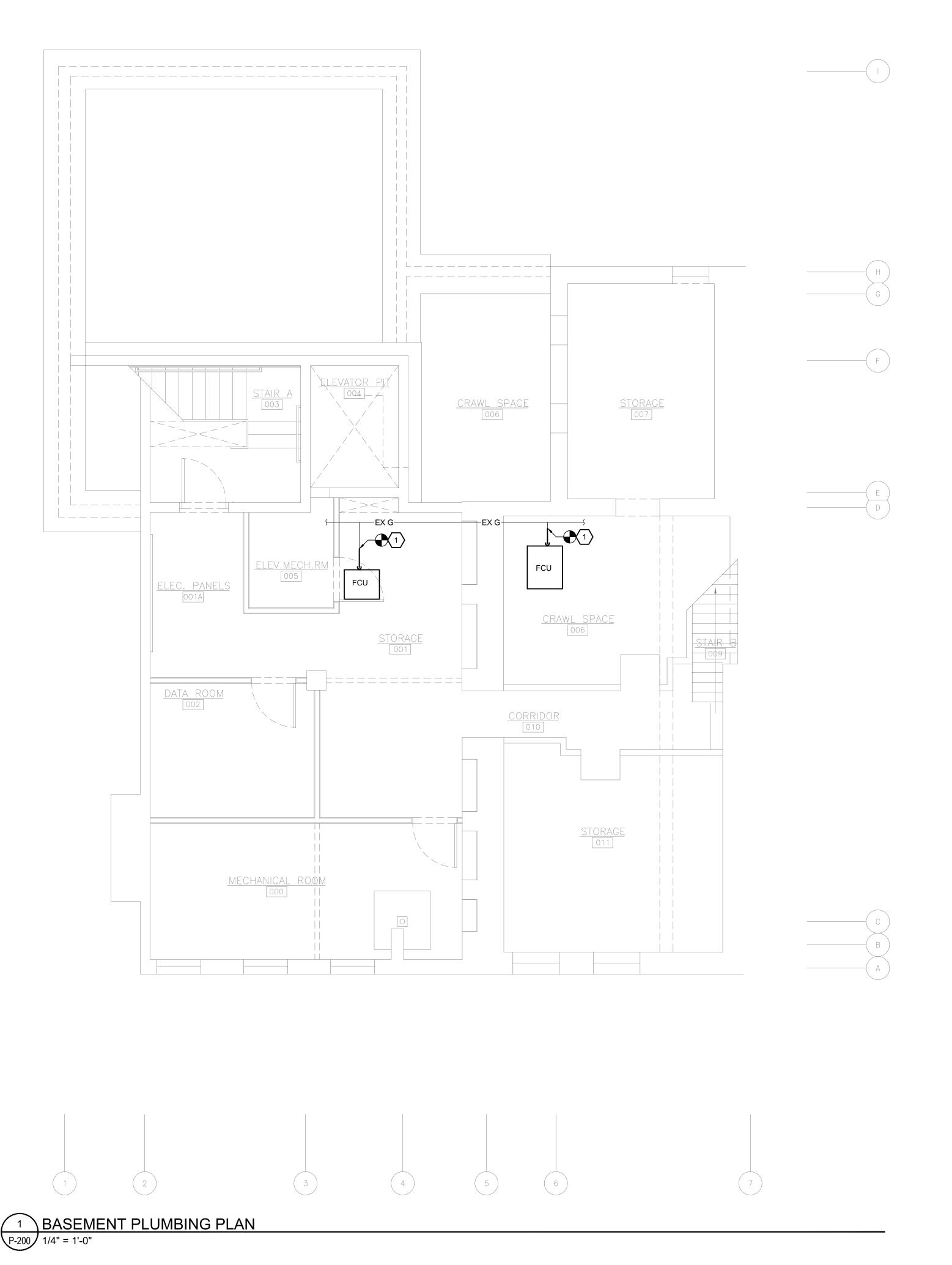
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SECOND FLOOR PLUMBING DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE

02/15/2021





PLUMBING GENERAL NOTES:

- COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
- 2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.

PLUMBING KEY NOTES: (#)

1. PROVIDE GAS CONNECTION TO MECHANICAL EQUIPMENT AT THIS APPROXIMATE LOCATION. REFER TO DETAIL 1 ON SHEET P001 FOR WORK REQUIRED. CONNECT TO GAS PIPING CAPPED DURING DEMOLTION.

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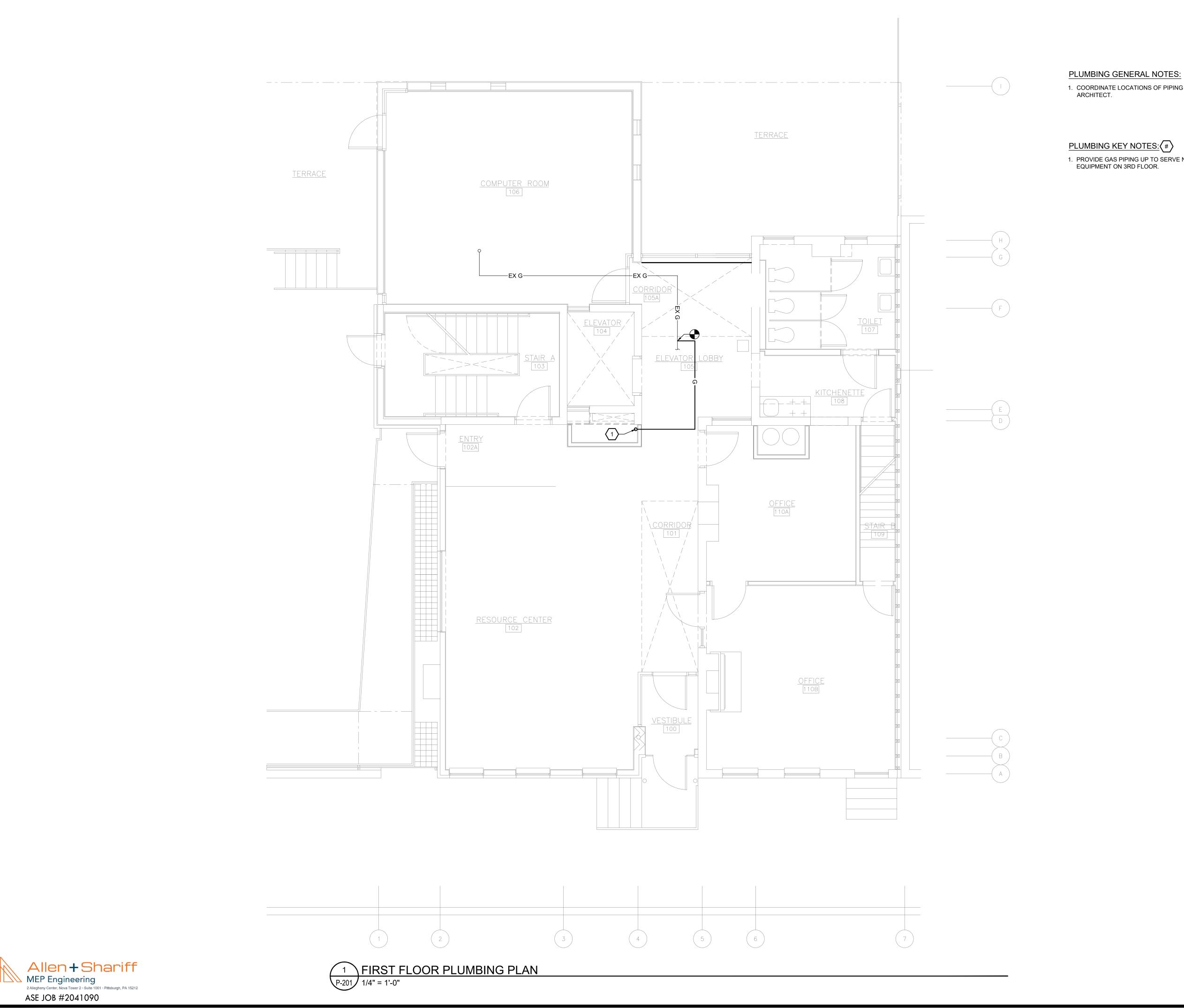
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BASEMENT PLUMBING PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021





COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.

PLUMBING KEY NOTES: (#)

PROVIDE GAS PIPING UP TO SERVE NEW MECHANICAL EQUIPMENT ON 3RD FLOOR.

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all dimensions and existing conditions shall be checked and verified by the contractor at the site.

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HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

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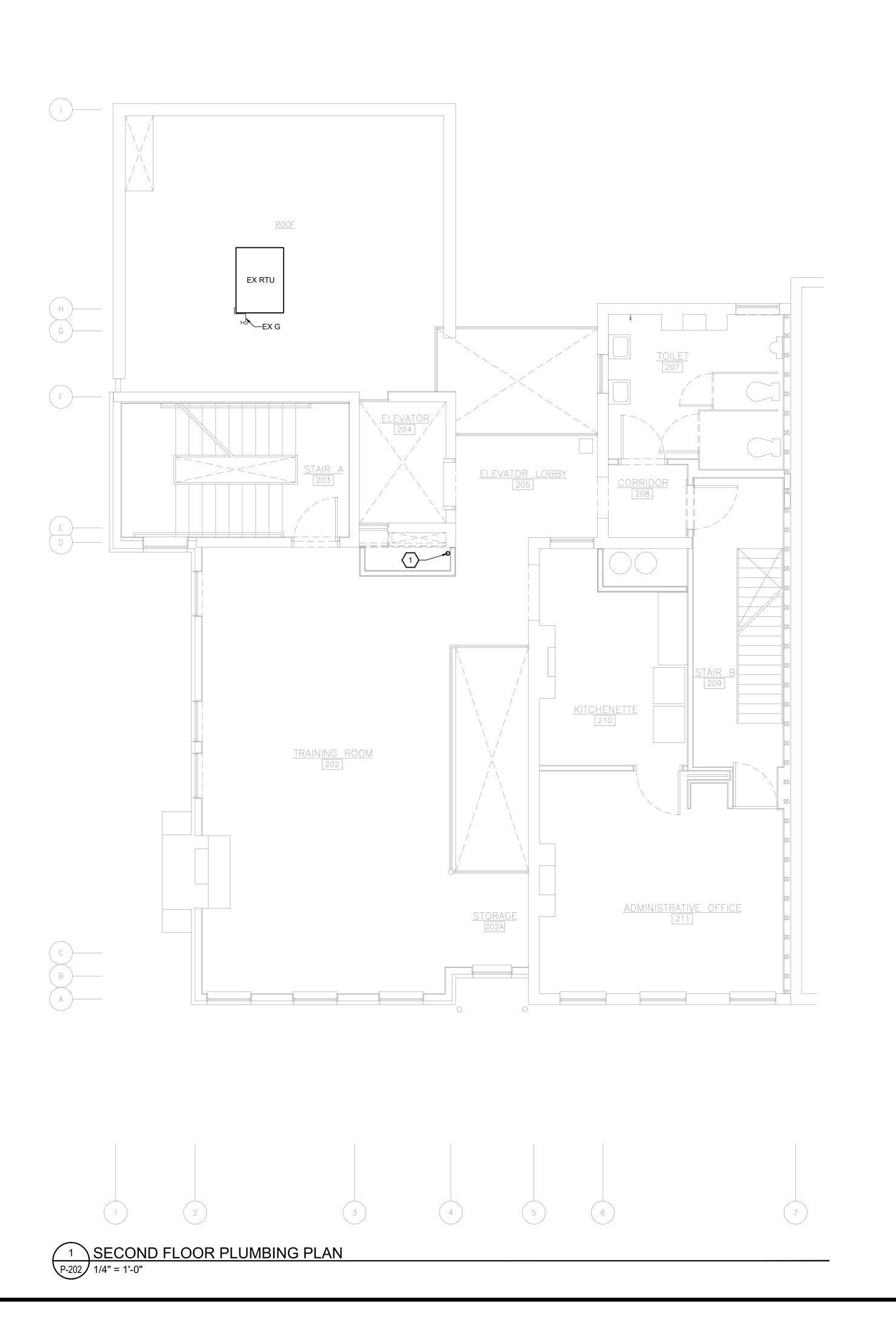


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FIRST FLOOR PLUMBING PLAN

2035 ISSUE DATE 02/15/2021



PLUMBING GENERAL NOTES:

- COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
- 2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.

PLUMBING KEY NOTES: (#)

 PROVIDE GAS PIPING UP TO SERVE NEW MECHANICAL EQUIPMENT ON THE 3RD FLOOR.

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DEVELOPMENT &
OPPORTUNITIES CENTER

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BUILDING #35
PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

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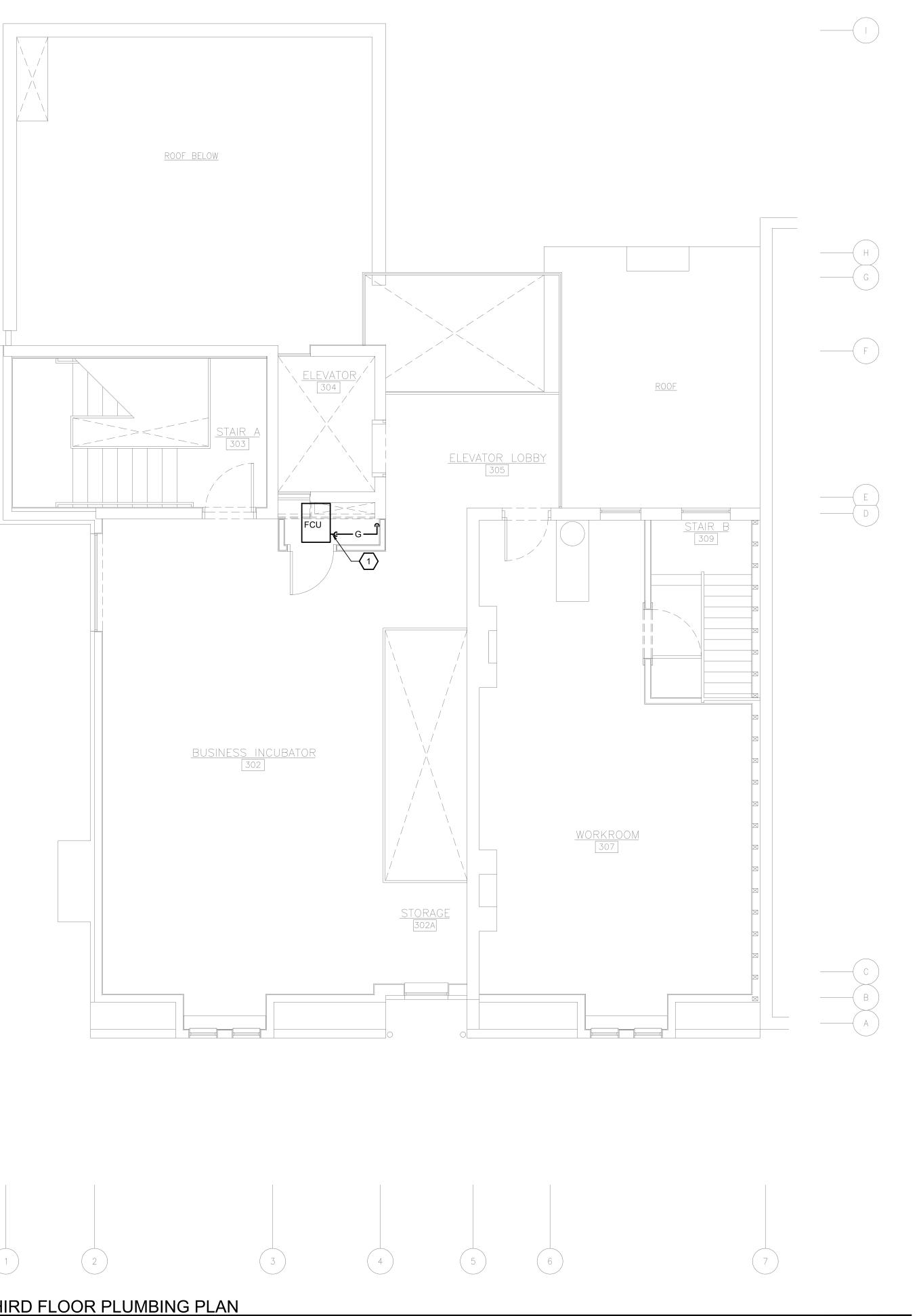
DRAWING NAME

SECOND FLOOR PLUMBING PLAN

COMM. NO.
2035

ISSUE DATE
02/15/2021





PLUMBING GENERAL NOTES:

- COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
- 2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.

PLUMBING KEY NOTES: (#)

 PROVIDE GAS CONNECTION TO MECHANICAL EQUIPMENT AT THIS APPROXIMATE LOCATION. REFER TO DETAIL 1 ON SHEET P001 FOR WORK REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.



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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.

REVISIONS

\(\(\)

/ 1 \

PROFESSIONAL

DAVID C. PRICE

ENGINEER

No. PE081572

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER

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PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

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PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

THIRD FLOOR PLUMBING PLAN

COMM. NO.
2035

ISSUE DATE
02/15/2021



GENERAL ELECTRICAL NOTES:

GENERAL: UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS IS NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.

DEMOLITION: SEE "ELECTRICAL GENERAL DEMOLITION NOTES FOR ADDITIONAL DEMOLITION REQUIREMENTS.

COORDINATION: COORDINATE AND COOPERATE WITH ALL TRADES ON THE PROJECT.

RECORD DRAWINGS: SECURE AN EXTRA SET OF ELECTRICAL DRAWINGS TO BE KEPT ON SITE AND MARK DAILY, THE DRAWINGS IN RED AS THE PROJECT PROGRESSES IN ORDER TO KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK SHOWN ON THE DRAWINGS AND THE WORK WHICH IS ACTUALLY INSTALLED. THESE MARKED DRAWINGS SHALL REFLECT ANY AND ALL CHANGES AND REVISIONS TO THE ORIGINAL DESIGN WHICH EXISTS IN THE COMPLETED WORK. DELIVER THE MARKED DRAWINGS TO THE ARCHITECT OR ENGINEER AT PROJECT CLOSE-OUT.

TESTS: TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING #8 OR LARGER TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.

INSPECTIONS: ARRANGE ALL NECESSARY INSPECTIONS. DELIVER ALL REQUIRED INSPECTION CERTIFICATES TO THE OWNER.

<u>GROUNDING:</u> PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC FOR THE ELECTRICAL SYSTEM, INCLUDING EQUIPMENT FRAMES CONDUITS, SWITCHES, CONTROLLERS, WIRE-WAYS, NEUTRAL CONDUCTORS AND OTHER EQUIPMENT. PROVIDE A GROUNDING CONDUCTOR IN ALL CIRCUITS.

LABELS: PROVIDE LABELS FOR ALL PANELBOARDS, CABINETS, SAFETY SWITCHES, MOTOR-DISCONNECT SWITCHES, AND MOTOR CONTROLLERS. LABELS SHALL BE MACHINE ENGRAVED, LAMINATED PLASTIC.

J-BOX LABELING: LABEL ALL JUNCTION BOXES WITH PERMANENT MARKER IDENTIFYING CIRCUIT NUMBER AND PANELBOARD OF CIRCUITS WITHIN.

PANEL DIRECTORY: PROVIDE TYPEWRITTEN PANELBOARD DIRECTORY CARD IN EACH PANELBOARD, INCLUDING EXISTING PANELBOARDS MODIFIED FOR THIS PROJECT, WITH CIRCUIT LOAD INFORMATION AND ROOM NUMBER CLEARLY IDENTIFIED. USE ACTUAL ROOM NUMBERS IN THE BUILDING, NOT THE ROOM NUMBERS SHOWN ON THE CONTRACT DRAWINGS, AS THEY ARE OFTEN DIFFERENT.

MOTOR COORDINATION: MOTORS, MOTOR STARTERS, CONTROLLERS, INTEGRAL DISCONNECT SWITCHES, AND CONTACTORS SHALL BE PROVIDED WITH THEIR RESPECTIVE PIECES OF EQUIPMENT BY THE EQUIPMENT SUPPLIER. COMMUNICATE WITH THE TRADES PROVIDING THE EQUIPMENT, VERIFYING ALL REQUIREMENTS. PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED THEREIN AND INSTALL MOTOR STARTERS.

MOTOR DISCONNECTS: ALL MOTORS SHALL HAVE DISCONNECTING MEANS.

MOTOR FUSE PROTECTION: WHERE FUSE PROTECTION IS SPECIFICALLY REQUIRED BY THE EQUIPMENT MANUFACTURER, PROVIDE FUSIBLE SWITCHES IN LIEU OF NON-FUSIBLE SWITCHES OR FUSIBLE ENCLOSED CIRCUIT BREAKERS OR OTHER DEVICES INDICATED.

CONNECTION DETAILS: SECURE APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS. ROUGH-IN AND HOOK UP DETAILS FOR EQUIPMENT WHICH MUST BE CONNECTED ELECTRICALLY.

EQUIPMENT DETAILS: MECHANICAL EQUIPMENT WILL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS ARE APPROXIMATE. COORDINATE WITH THE MECHANICAL CONTRACTOR TO DETERMINE THE EXACT LOCATION OF EACH PIECE OF EQUIPMENT AND DETERMINE THE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS.

STARTER MOUNTING: WHERE AN INDIVIDUALLY MOUNTED SAFETY SWITCH, STARTER OR CIRCUIT BREAKER IS SHOWN ADJACENT TO ITS RESPECTIVE LOAD AND NOT MOUNTED ON A WALL, PROVIDE ALL SUPPORTS, BRACKETS, ANCHORING, ETC. NECESSARY TO PROPERLY

LIGHTING ARRANGEMENT: ARRANGE LIGHTING FIXTURES IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

LIGHTING COORDINATION: COORDINATE LIGHTING FIXTURES WITH GRILLES, DIFFUSERS, SPRINKLER HEADS, ACCESS PANELS, ETC.

MATERIAL COORDINATION: VERIFY CEILING AND WALL CONSTRUCTION AND MATERIAL PRIOR TO ORDERING LIGHT FIXTURES OR OTHER DEVICES TO ENSURE PROPER FIXTURES OR DEVICES ARE FURNISHED TO MATCH CONSTRUCTION.

MOUNTING HEIGHTS: MOUNTING HEIGHTS INDICATED ARE FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE WIRING DEVICE UNLESS OTHERWISE NOTED. MOUNTING HEIGHTS OF LIGHTING FIXTURES AND FIRE ALARM DEVICES ARE TO THE BOTTOM OF THE FIXTURE OR DEVICE UNLESS OTHERWISE NOTED.

DEVICE LOCATIONS: COORDINATE LOCATIONS OF SWITCHES, RECEPTACLES, AND TELE/DATA OUTLETS WITH OTHER WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL STATIONS. DO NOT MOUNT WIRING DEVICES BACK TO BACK.

EWC RECEPTACLES: RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) SHALL BE INSTALLED OUT OF VIEW AND BEHIND THE EWC ENCLOSURE. VERIFY THE MOUNTING HEIGHT WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

DEVICE COORDINATION: THOROUGHLY REVIEW AND COORDINATE ALL CASEWORK, DOOR SWINGS, AND CABINET DRAWINGS AND ARCHITECTURAL ELEVATIONS WITH DEVICE LOCATIONS PRIOR TO ROUGH-IN OF OUTLET BOXES.

BARRIERS: WHERE A MULTIPLE GANG BOX HAS CIRCUITS OF DIFFERENT VOLTAGES OR SYSTEMS WHICH ARE REQUIRED TO BE SEPARATED, PROVIDE THE CODE-REQUIRED SEPARATION, USING A FULL HEIGHT AND DEPTH BARRIER PLATE.

FIRE PROOFING: FOR ANY WALL OR FLOOR PENETRATIONS THROUGH FIRE RATED STRUCTURES, PROVIDE FIRE-PROOFING TO SEAL ALL THE PENETRATIONS AFTER THE CONDUIT HAS BEEN INSTALLED. FIRE PROOFING FOR PENETRATIONS SHALL BE UL APPROVED PER THE THE PENETRATION MADE IN ORDER TO MAINTAIN FIRE RATED INTEGRITY OF THE STRUCTURE.

CLEAN UP: ON PROJECT CLOSE-OUT, CLEAN ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, LAMPS AND LENSES, AND REMOVE ALL PAINT SPATTERS FROM DEVICES, FIXTURES, AND PLATES. REPLACE ALL INOPERATIVE LAMPS.

OWNER FURNISHED EQUIPMENT: CONTRACTOR SHALL OBTAIN CUT SHEETS, INSTALLATION DATA, AND ROUGH-IN REQUIREMENTS FOR OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT AND COORDINATE ROUGH-IN AND POWER REQUIREMENTS WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY ASSOCIATED WORK.

CONDUIT ROUTING: ALL CONDUIT RUN OVERHEAD SHALL BE RUN AT THE BOTTOM OF THE FLOOR, ROOF STRUCTURE, OR LOWEST CHORD OF JOIST SPACE (AS APPLICABLE) ABOVE IN ORDER TO AVOID CONFLICTS WITH OTHER TRADES.

WIRING DEVICES: ALL RECEPTACLES AND SWITCHES SHALL BE LABELED WITH CLEAR PLASTIC LAMINATED LABEL WITH BLACK TEXT, NOTING PANELBOARD DESIGNATION AND CIRCUIT NUMBER FROM WHICH IT IS FED.

EQUIPMENT DEMONSTRATION: PROVIDE A DEMONSTRATION OF THE OPERATION OF ALL ELECTRICAL COMPONENTS.

CEILING AND MECHANICAL ROOM PLENUM: ALL WIRING THAT WILL NOT BE RUN IN METAL CONDUIT SHALL BE PLENUM RATED.

ELECTRICAL GENERAL DEMOLITION NOTES

GENERAL: DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. VISIT THE EXISTING BUILDING PRIOR TO BID IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS.

DASHED ITEMS: ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS ARE EXISTING AND SHALL BE REMOVED COMPLETE INCLUDING BOXES, CONDUIT, WIRE, FASTENERS, AND ASSOCIATED APPURTENANCES UON.

SOLID ITEMS: ALL ITEMS SHOWN SOLID ON DEMOLITION PLANS ARE EXISTING TO REMAIN.

CIRCUITING TO REMAIN: WHERE AFFECTED BY NEW WORK, EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED AS REQUIRED, IN ORDER TO MAINTAIN CONTINUITY OF CIRCUIT.

REUSE OF EXISTING CIRCUITRY: EXISTING CIRCUITS SHALL BE REUSED WHERE CONVENIENT TO SERVE THE NEW LAYOUT. PROVIDE CIRCUIT MODIFICATIONS INDICATED OR REQUIRED TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS THAT REMAIN.

EXISTING CONDUIT: ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE REUSED SHALL BE REMOVED. EXISTING CONDUIT TO REMAIN CONCEALED IN WALLS SHALL BE ABANDONED. EXISTING CONDUIT TO REMAIN BELOW FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW ROUGH FLOOR AND GROUTED FLUSH. ALL EXISTING WIRING IN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM POWER SOURCE AND REMOVED.

REPAIR DAMAGE: EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.

ASSOCIATED APPURTENANCES: REMOVE ALL ELECTRICAL APPURTENANCES (DISCONNECTS, STARTERS, WIRING, CONDUIT, ETC.) ASSOCIATED WITH EQUIPMENT TO BE REMOVED BY OTHERS.

KNOCKOUT PLUGS AND COVERS: ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF CONDUIT. PROVIDE BLANK COVER PLATES FOR ALL OPENED OUTLET BOXES CREATED BY THE REMOVAL OF THE EQUIPMENT AND/OR DEVICES.

DEMOLISHED MATERIALS: ALL MATERIALS REMOVED UNDER DEMOLITION. NOT TO BE RELOCATED OR DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE.

SCHEDULE OUTAGES: ALL WORK AND ALL POWER OUTAGES SHALL BE SCHEDULED AT TIMES CONVENIENT TO THE OWNER.

NOTIFICATION: NOTIFY THE OWNER PRIOR TO TURNING OFF ANY CIRCUITS.

EXISTING CIRCUITS: IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED BY THE CONTRACTOR THAT AN EXISTING CIRCUIT BECOMES SPARE, THE CONTRACTOR SHALL UPDATE THE PANELBOARD DIRECTORY TO INDICATE SUCH, EVEN IF IT IS NOT EXPLICITLY MARKED ON THE ELECTRICAL PLANS.

GENERAL SPECIAL SYSTEM NOTES:

TO INSTALLATION OF THE RACEWAY SYSTEM.

TELEPHONE AND DATA SYSTEMS

THE TELEPHONE AND DATA SYSTEMS WILL BE FURNISHED AND INSTALLED THROUGH THE OWNER'S VENDOR (THE VENDOR) UNDER A SEPARATE CONTRACT. ALL CABLING AND WIRING (EXCEPT FOR POWER WIRING), J-HOOKS, JACKS, COVER PLATE COMPATIBLE WITH THE EQUIPMENT, DEVICES, RACKS, AND COMPONENT EQUIPMENT WILL BE PROVIDED BY THE VENDOR, UNLESS INDICATED OTHERWISE. THE VENDOR WILL PROVIDE INSTALLATION DURING CONSTRUCTION. THE ELECTRICAL CONTRACTOR (THE CONTRACTOR) SHALL COORDINATE ALL ROUGH-IN, BOX SIZES AND CONFIGURATIONS, CONDUIT SIZES AND ROUTING WITH THE VENDOR PRIOR

THE CONTRACTOR SHALL PROVIDE ALL CONDUIT WITH PULL WIRE, AND 4"X4"X2 1/4"BOX WITH SINGLE GANG PLASTER RING UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELECTRICAL REQUIREMENTS WITH THE VENDOR PRIOR TO ROUGH-IN.

STUB ALL CONDUITS WITH PULL WIRE FOR COMMUNICATIONS DEVICES TO ABOVE AN ACCESSIBLE CORRIDOR CEILING AND TERMINATE WITH INSULATED NYLON BUSHING. THE VENDOR WILL PROVIDE J-HOOKS ABOVE THE CEILING FROM THE STUB OUT TO EQUIPMENT LOCATION AS REQUIRED FOR HIS CABLING AND TERMINATE WITH INSULATED NYLON BUSHING. WHERE A WALL SEPARATES THE CONDUIT STUB OUT FROM THE EQUIPMENT LOCATION, PROVIDE A 1" MINIMUM SLEEVE THROUGH THE WALL, ABOVE AN ACCESSIBLE CEILING, TO ACCOMMODATE THE CABLING. ALL CONDUITS AND SLEEVES PENETRATING RATED FIRE OR SMOKE WALLS SHALL BE PROVIDED WITH APPROVED FIRE RETARDANT TO PROVIDE A UL RATED WALL PENETRATION ASSEMBLY. MAINTAIN VENDOR RECOMMENDED SEPARATION BETWEEN WIRING OF DIFFERENT SYSTEMS AND FROM INTERFERENCE PRODUCING ELECTRICAL DEVICES SUCH AS FLUORESCENT LIGHTS. BALLAST, TRANSFORMERS, RELAYS, MOTOR CONTROLS, ETC.

PROVIDE POWER CIRCUITS FOR TELECOMMUNICATIONS EQUIPMENT AS

THE CONTRACTOR SHALL PROVIDE ALL BACKBOXES, CONDUIT, GROUNDING AND SHALL INSTALL ALL SPECIAL BOXES WITH PLASTER RING FURNISHED BY THE VENDOR FOR THE TELECOMMUNICATIONS SYSTEMS IN ACCORDANCE WITH THE APPLICABLE CODES.

THE CONTRACTOR SHALL INSTALL ALL COMMUNICATIONS SLEEVES AND CONDUIT IN ACCORDANCE WITH DRAWINGS, ELECTRICAL SPECIFICATIONS, VENDOR WIRING DIAGRAMS, AND ALL APPLICABLE CODES.

THE GENERAL CONTRACTOR SHALL PROVIDE IN-WALL REINFORCEMENT AS NECESSARY FOR ALL COMMUNICATIONS CABINETS, SHELVES, BRACKETS, FURNITURE MOUNTS, ETC. AND SHALL MOUNT CABINETS, SHELVES, BRACKETS, AND FURNITURE MOUNTS IN ACCORDANCE WITH DRAWINGS, VENDOR SUBMITTALS, AND ALL APPLICABLE CODES.

COORDINATE FINAL LOCATIONS AND ELEVATIONS OF ALL TELECOMMUNICATIONS DEVICES AND OUTLETS WITH ARCHITECTURAL PLANS, CASEWORK AND ELEVATIONS, AND VENDOR REQUIREMENTS.

THE CONTRACTOR SHALL PROVIDE A COMPLETION SCHEDULE BROKEN DOWN BY PROJECT PHASES, FOR TURNOVER OF COMPLETED COMMUNICATIONS ROUGH-IN FOR VENDOR FINISH WORK. THE CONTRACTOR SHALL COORDINATE TURNOVER WITH VENDORS, AND SHALL TURNOVER AREAS FOR VENDOR FINISH WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXTRA VENDOR COST RESULTING FROM INCORRECT COMMUNICATIONS ROUGH-IN.

	POWER						
♦ WP	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTING TYPE, 20A, 120V, WITH COOPER MODEL WIU-1D (OR EQUAL) "WHILE-IN-USE" WEATHERPROOF COVER, 18"AFG UON.						
J	JUNCTION BOX - ABOVE CEILINGS OR FLUSH IN WALLS.						
	ELECTRICAL PANELBOARD						
	ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE 1 #12 PHASE CONDUCTOR, 1 #12 NEUTRAL CONDUCTOR, AND 1 #12 GROUNDING CONDUCTOR IN 3/4" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. CONDUIT LARGER THAN 3/4" AND CONDUCTORS LARGER THAN #12 SHALL BE AS INDICATED.						

	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL, SURFACE MOUNTED, TOP 5'-9" AFF.
FAAP	FIRE ALARM ANNUNCIATOR PANEL, RECESSED, TOP 5'-0" AFF.
NACP	FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL, SURFACE MOUNTED, TOP, 5'-9" AFF.
F	FIRE ALARM MANUAL PULL STATION, 44"AFF TO ACTUATING ARM, UON.
SD	ADDRESSABLE FIRE ALARM SYSTEM PHOTO-ELECTRIC SMOKE DETECTOR, CEILING MOUNTED.
DD	DUCT MOUNTED ADDRESSABLE FIRE ALARM SYSTEM PHOTO-ELECTRIC SMOKE DETECTOR.
ММ	FIRE ALARM SYSTEM MONITOR MODULE.
СМ	FIRE ALARM SYSTEM CONTROL MODULE.
\sum_{30}	FIRE ALARM VISUAL (STROBE) APPLIANCE, CEILING MOUNTED. SUBSCRIPT INDICATES MINIMUM CANDELA RATING.
Q_{30}	FIRE ALARM SYSTEM VISUAL (STROBE) APPLIANCE, WALL MOUNTED AT 80" AFF TO BOTTOM OF LENS, OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER, UON. SUBSCRIPT INDICATES MINIMUM CANDELA RATING.
ÃV 30	FIRE ALARM AUDIO/VISUAL (HORN/STROBE) APPLIANCE, CEILING MOUNTED. SUBSCRIPT INDICATES MINIMUM CANDELA RATING.
AV 30	FIRE ALARM SYSTEM AUDIO/VISUAL (HORN/STROBE), WALL MOUNTED AT 80" AFF TO BOTTOM OF LENS, OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER, UON. SUBSCRIPT INDICATES MINIMUM CANDELA RATING.
MFSD	SMOKE DAMPER CONNECTION, 120V. REFER TO DETAIL 2/E-501 FOR MORE INFORMATION.
RT	FIRE ALARM SYSTEM ADDRESSABLE REMOTE TEST SWITCH.

	GENERAL
1	KEYNOTE.

LINEWEIGHTS					
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	EXISTING				
	REMOVE EXISTING				

	LICUTING
	LIGHTING T
	LIGHTING FIXTURE.
0	DOWNLIGHT FIXTURE.
오 🖵	WALL MOUNTED LIGHTING FIXTURE.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY. TYPICAL ALL FIXTURE TYPES.
У	EMERGENCY LIGHTING REMOTE UNIT, CONNECT AHEAD OF LOCAL CONTROLS.
\Box	EMERGENCY BATTERY LIGHTING UNIT, CONNECT AHEAD OF LOCAL CONTROLS.
Δ \	EXIT LIGHTING FIXTURE WITH EMERGENCY HEADS AND DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. CONNECT TO LIGHTING CIRCUIT AHEAD OF LOCAL CONTROLS. SHADED AREA DENOTES LIGHTED FACE.
\$ _a	SINGLE POLE SWITCH, 20A, 120/277V, 44"AFF UON. SUBSCRIPT "a" INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED.
\$ _{L1a}	LOW VOLTAGE SWITCH FOR ON/OFF CONTROL OF A SINGLE ZONE, 44" AFF UON. SUBSCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE GREENMAX MODEL #DRKDN-C2X OR APPROVED EQUAL.
\$ _{D1a}	LOW VOLTAGE SWITCH FOR ON/OFF AND RAISE/LOWER CONTROL OF A SINGLE ZONE, 44" AFF UON. SUBSCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE GREENMAX MODEL #DRKDN-C4X OR APPROVED EQUAL.
\$ _{D2a,b}	LOW VOLTAGE SWITCH FOR ON/OFF AND RAISE/LOWER CONTROL OF A TWO ZONES, 44" AFF UON. SUBSCRIPT "a,b", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE GREENMAX MODEL #DRKDN-C8X OR APPROVED EQUAL.
\$ _{VSa}	LINE VOLTAGE DUAL TECHNOLOGY WALL SWITCH VACANCY SENSOR WITH ON/OFF CONTROL (MANUAL ON), 44" AFF UON. SUBSCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE GREENGATE MODEL #VNW-D OR APPROVED EQUAL.
VS] _a	ANALOG 360-DEGREE MULTI-TECHNOLOGY VACANCY SENSOR. SUBSCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE LEVITON MODEL #OSC10-MOW OR APPROVED EQUAL. PROVIDE COMPATIBLE SMART PACK FOR EACH CONTROL ZONE. PROVIDE COMPATIBLE 2-PORT ANALOG INTERFACE.
OS a	ANALOG 360-DEGREE MULTI-TECHNOLOGY OCCUPANCY SENSOR. SUBSCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED. PROVIDE LEVITON MODEL #OSC10-MOW OR APPROVED EQUAL. PROVIDE COMPATIBLE SMART PACK FOR EACH CONTROL ZONE. PROVIDE COMPATIBLE 2-PORT ANALOG INTERFACE. (NOTE: SAME PRODUCT AS "VACANCY" SENSOR, NOTED DIFFERENTLY TO INDICATE CONTROL STRATEGY)
SP _a	GREENMAX DRC SMART PACK MODEL #DRD07-EDO OR APPROVED EQUAL. SUBCRIPT "a", WHERE USED, INDICATES ASSOCIATED FIXTURES TO BE CONTROLLED.
2P	LEVITON 2-PORT ANALOG INTERFACE MODEL #DRIDO-CB2 OR APPROVED EQUAL.
RC	GREENMAX DRC LINE VOLTAGE ROOM CONTROLLER MODEL # DRC07-EDO OR APPROVED EQUAL.
	LIGHTING FIXTURE KEY
Aa O NL	1. LETTER "A" DENOTES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE. 2. ASSOCIATED LETTER "a", WHERE USED, INDICATES LIGHTING FIXTURE CONTROL DEVICE DESIGNATION. 3. "NL" INDICATES A NIGHT LIGHT FIXTURE CIRCUITED AHEAD OF LOCAL CONTROLS.

	ELECTRICAL ABBREVIATIONS
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CURRENT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO/VISUAL
BFG	BELOW FINISHED GRADE
С	CONDUIT
СВ	CIRCUIT BREAKER
CKT	CIRCUIT
EBU	EMERGENCT BATTERY UNIT
EC	EMPTY CONDUIT
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING
FLA	FULL LOAD AMPS
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
01 01	GROUND FACET GIROOTT INTERIOR TER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSE POWER/HEAT PUMP
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILO-VOLT AMPERE
KW	KILO-WATT
LC	LIGHTING CONTACTOR
LTG	LIGHTING
MAU	MAKE UP AIR UNIT
MCA	MINIMUM CIRUIT AMPS
MC	MECHANICAL CONTRACTOR
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
NTS	NOT TO SCALE
ОС	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
Р	POLE
PC	PLUMBING CONTRACTOR
PCP	PUMP CONTROL PANEL
PF	POWER FACTOR
PNL	PANEL
PNLBD	PANELBOARD
Ø	PHASE
PRI	PRIMARY
RTU	ROOF TOP UNIT
SEC	SECONDARY
TBB	TELEPHONE BACKBOARD
TR	TAMPER RESISTANT
TYP	TYPICAL
	UNLESS OTHERWISE NOTED
UON	VOLTS
UON V	. 52.15
V	VOLTS ALTERNATING CURPENT
V VAC	VOLTS ALTERNATING CURRENT VARIABLE AIR VOLUME
V VAC VAV	VARIABLE AIR VOLUME
V VAC VAV VDC	VARIABLE AIR VOLUME VOLTS DIRECT CURRENT
V VAC VAV VDC VFD	VARIABLE AIR VOLUME VOLTS DIRECT CURRENT VARIABLE REQUENCY DRIVE
V VAC VAV VDC	VARIABLE AIR VOLUME VOLTS DIRECT CURRENT

L ABBREVIATIONS	FOR CONSTRUCTION
ED FLOOR	
ED GRADE	THIS DOCUMENT IS COPYRIGHTED AND SUBJECT TO PROTECTION UNDER SECTION 102 OF THE COPYRIGHT ACT 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS THE ARCHITECTURAL WORKS
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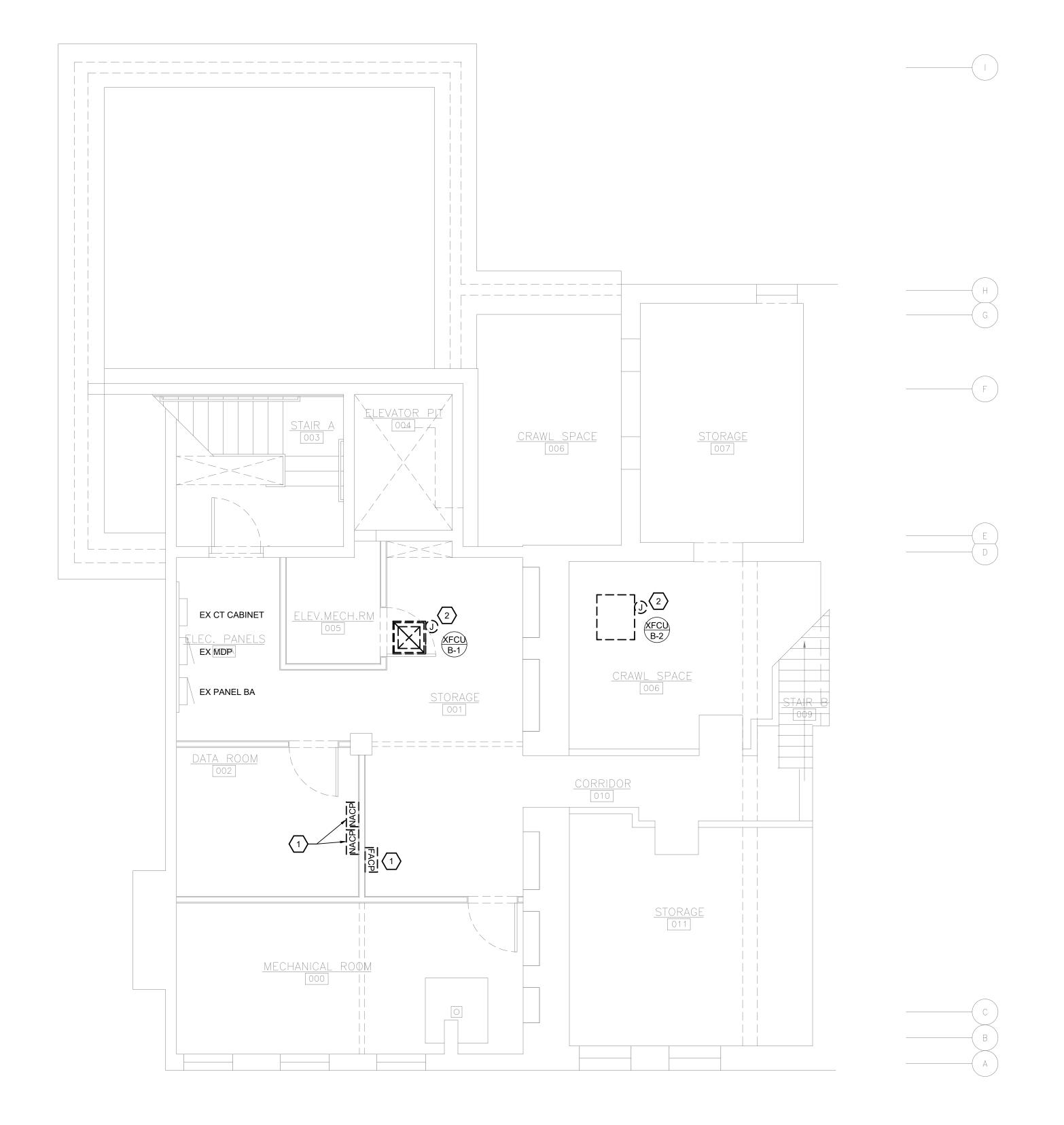
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

ELECTRICAL DATA SHEET

COMM. NO. 2035 ISSUE DATE 02/15/2021 REVISION NO.





ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHING. DO NOT INCLUDE IN THE DEDUCT ANY WORK ASSOCIATED WITH SALVAGING AND REINSTALLING EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.

ELECTRICAL DEMOLITION GENERAL NOTES:

- 1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
- 2. FIXTURES AND DEVICES NOTED WITH "EX" ARE EXISTING TO REMAIN. MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
- 3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILINGS AND FLOORS FROM CONDUIT PENETRATIONS, JUNCTION BOXES OR WIRING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
- 4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION, WHETHER REPRESENTED ON THIS PLAN OR NOT, SHALL BE DISCONNECTED AND REMOVED. INTERCEPT AND EXTEND CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY OF POWER TO EXISTING DEVICES.
- 5. NOT ALL DEVICES ON WALLS THAT ARE SCHEDULED AS EXISTING TO REMAIN ARE REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY AND CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
- 6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY HEADS, EMERGENCY LIGHTING INVERTERS, EXIT SIGNS AND ASSOCIATED CONTROL DEVICES SHALL BE DEMOLISHED, UNLESS OTHERWISE NOTED. THE MAJORITY OF LIGHTING EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE. REFER TO ALTERNATE NOTE ON THIS SHEET FOR MORE INFORMATION.
- 7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATING DEVICES ARE EXISTING TO REMAIN. THE MAJORITY OF FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE.

ELECTRICAL DEMOLITION KEY NOTES: (#)

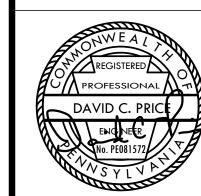
- 1. DEMOLISH EXISTING FIRE ALARM HEAD-END EQUIPMENT INCLUDING BUT NOT LIMITED TO FACP, NACP, DACT, FAAP, ETC. MAINTAIN ALL EXISTING FIRE ALARM CIRCUITS TO EXISTING TO REMAIN FIRE ALARM NOTIFICATION AND INITIATING DEVICES FOR CONNECTION TO NEW FACP. REFER TO NEW FIRE ALARM WORK PLANS FOR MORE INFORMATION.
- 2. DISCONNECT AND REMOVE ELECTRICAL CONNECTION TO EXISTING FURNACE. MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW FURNACE. REFER TO NEW BASEMENT POWER WORK PLAN FOR MORE INFORMATION.

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER **REHAB**

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT ELECTRICAL DEMOLITION PLAN

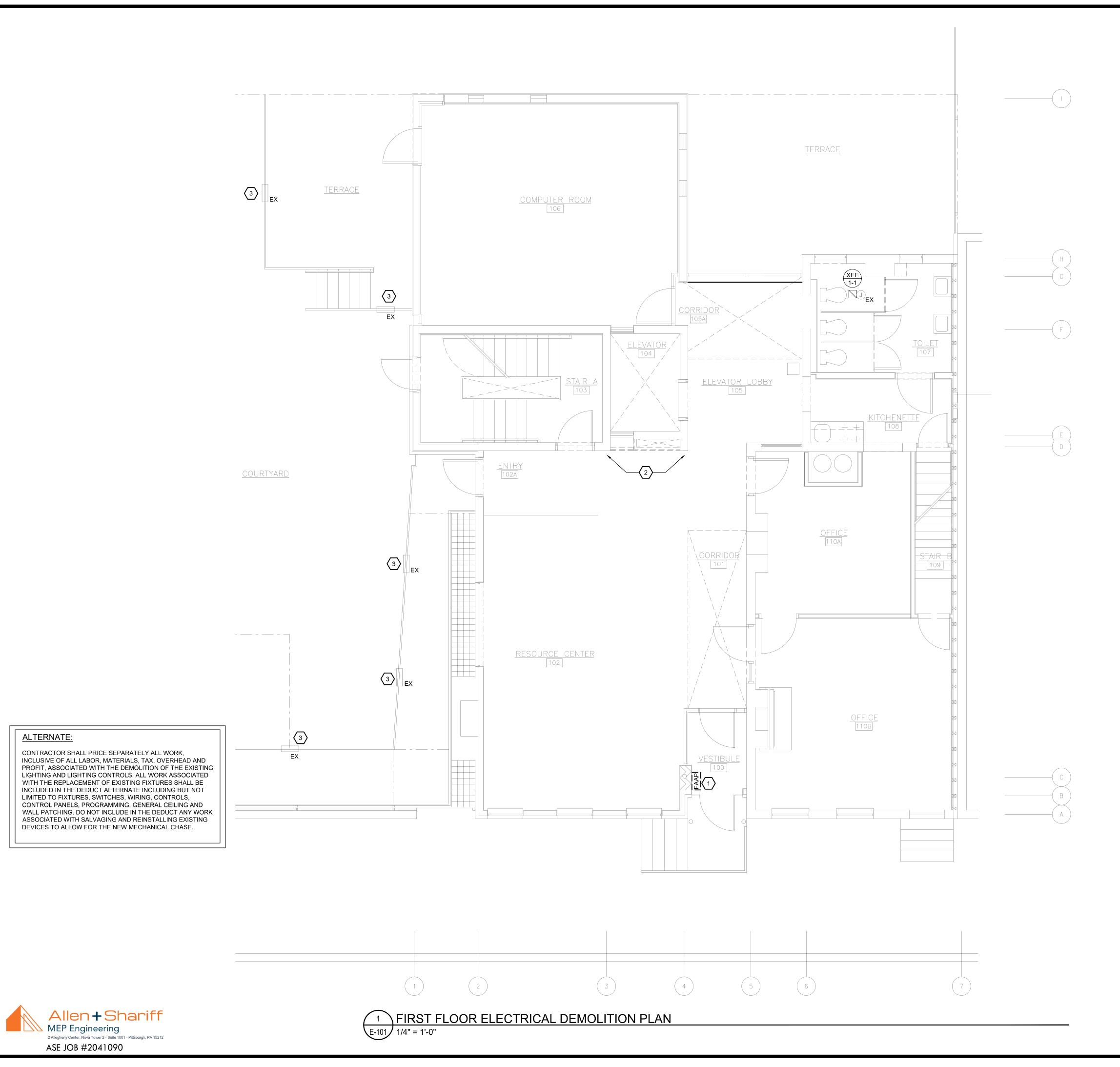
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02/15/2021

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ELECTRICAL DEMOLITION GENERAL NOTES:

- 1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
- 2. FIXTURES AND DEVICES NOTED WITH "EX" ARE EXISTING TO REMAIN. MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
- 3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILINGS AND FLOORS FROM CONDUIT PENETRATIONS, JUNCTION BOXES OR WIRING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
- 4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION, WHETHER REPRESENTED ON THIS PLAN OR NOT, SHALL BE DISCONNECTED AND REMOVED. INTERCEPT AND EXTEND CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY OF POWER TO EXISTING DEVICES.
- 5. NOT ALL DEVICES ON WALLS THAT ARE SCHEDULED AS EXISTING TO REMAIN ARE REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY AND CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
- 6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY HEADS, EMERGENCY LIGHTING INVERTERS, EXIT SIGNS AND ASSOCIATED CONTROL DEVICES SHALL BE DEMOLISHED, UNLESS OTHERWISE NOTED. THE MAJORITY OF LIGHTING EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE. REFER TO ALTERNATE NOTE ON THIS SHEET FOR MORE INFORMATION.
- 7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION DEVICES ARE EXISTING TO REMAIN. THE MAJORITY OF FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE.

ELECTRICAL DEMOLITION KEY NOTES: (#)

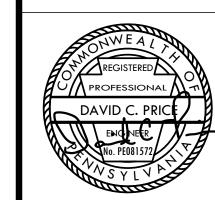
- 1. DEMOLISH EXISTING FIRE ALARM ANNUNCIATOR PANEL.
- 2. DISCONNECT AND REMOVE ALL DEVICES THAT CONFLICT WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE SALVAGED FOR REINSTALLATION AND WHICH DEVICES SHALL BE DEMOLISHED. REFER TO NEW WORK PLANS FOR MORE INFORMATION.
- 3. EXTERIOR STEP LIGHT IS EXISTING TO REMAIN. MAINTAIN EXISTING LIGHTING CIRCUIT(S) AND CONTROL DEVICE(S).

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER **REHAB**

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

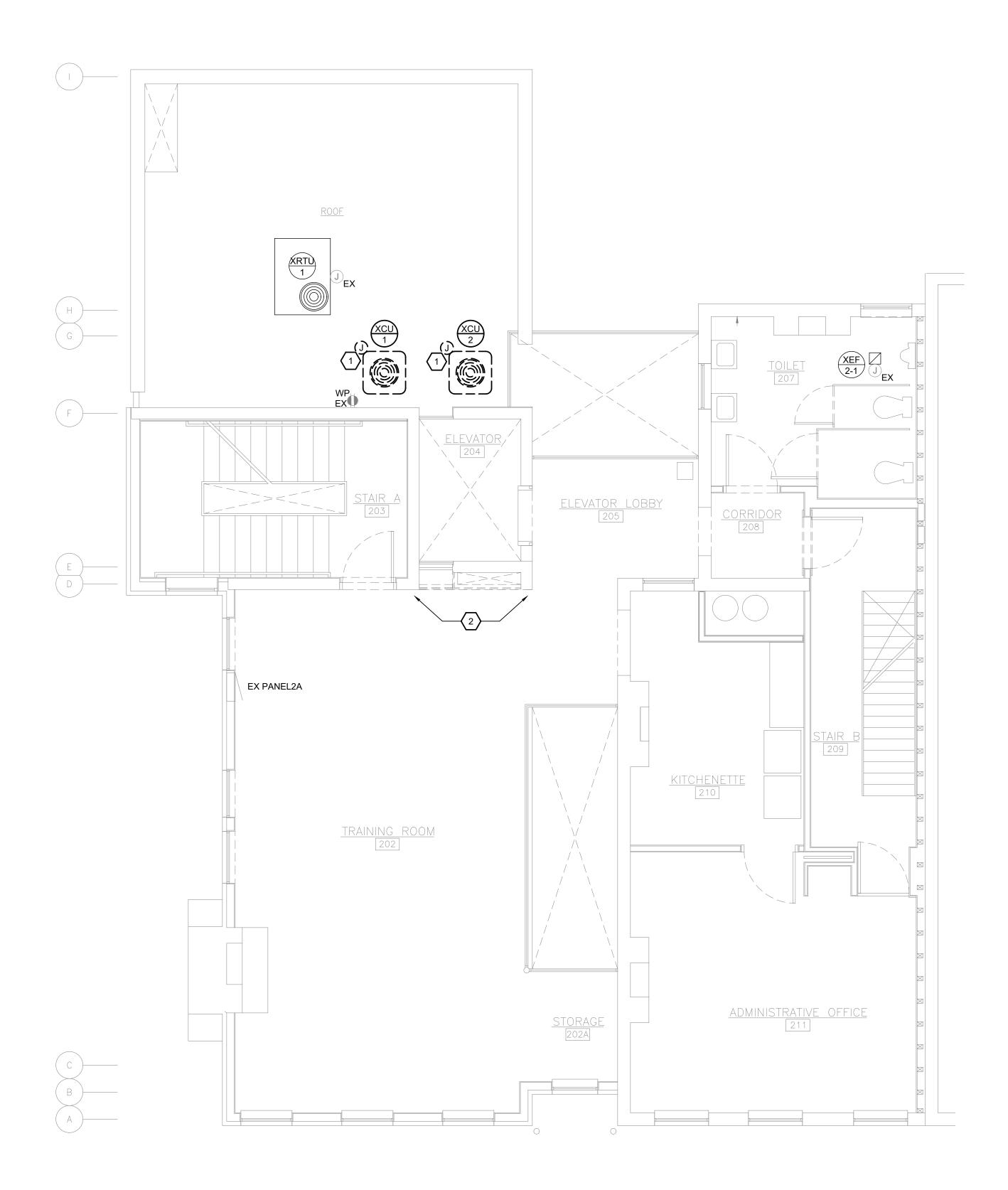
410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

COMM. NO. 2035 ISSUE DATE

E-101

02/15/2021



ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHING. DO NOT INCLUDE IN THE DEDUCT ANY WORK ASSOCIATED WITH SALVAGING AND REINSTALLING EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.



E-102 1/4" = 1'-0"

ELECTRICAL DEMOLITION GENERAL NOTES:

- 1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
- 2. FIXTURES AND DEVICES NOTED WITH "EX" ARE EXISTING TO REMAIN. MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
- 3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILINGS AND FLOORS FROM CONDUIT PENETRATIONS, JUNCTION BOXES OR WIRING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
- 4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION, WHETHER REPRESENTED ON THIS PLAN OR NOT, SHALL BE DISCONNECTED AND REMOVED. INTERCEPT AND EXTEND CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY OF POWER TO EXISTING DEVICES.
- 5. NOT ALL DEVICES ON WALLS THAT ARE SCHEDULED AS EXISTING TO REMAIN ARE REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY AND CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
- 6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY HEADS, EMERGENCY LIGHTING INVERTERS, EXIT SIGNS AND ASSOCIATED CONTROL DEVICES SHALL BE DEMOLISHED, UNLESS OTHERWISE NOTED. THE MAJORITY OF LIGHTING EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE. REFER TO ALTERNATE NOTE ON THIS SHEET FOR MORE INFORMATION.
- 7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION DEVICES ARE EXISTING TO REMAIN. THE MAJORITY OF FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE.

ELECTRICAL DEMOLITION KEY NOTES: (#)

- 1. DEMOLISH ELECTRICAL CONNECTION TO EXISTING CONDENSING UNIT BACK TO SOURCE. DEMOLISH ANY AND ALL ASSOCIATED CONDUIT, WIRING, AND DISCONNECTS,
- 2. DISCONNECT AND REMOVE ALL DEVICES THAT CONFLICT WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE SALVAGED FOR REINSTALLATION AND WHICH DEVICES SHALL BE DEMOLISHED. REFER TO NEW WORK PLANS FOR MORE INFORMATION.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

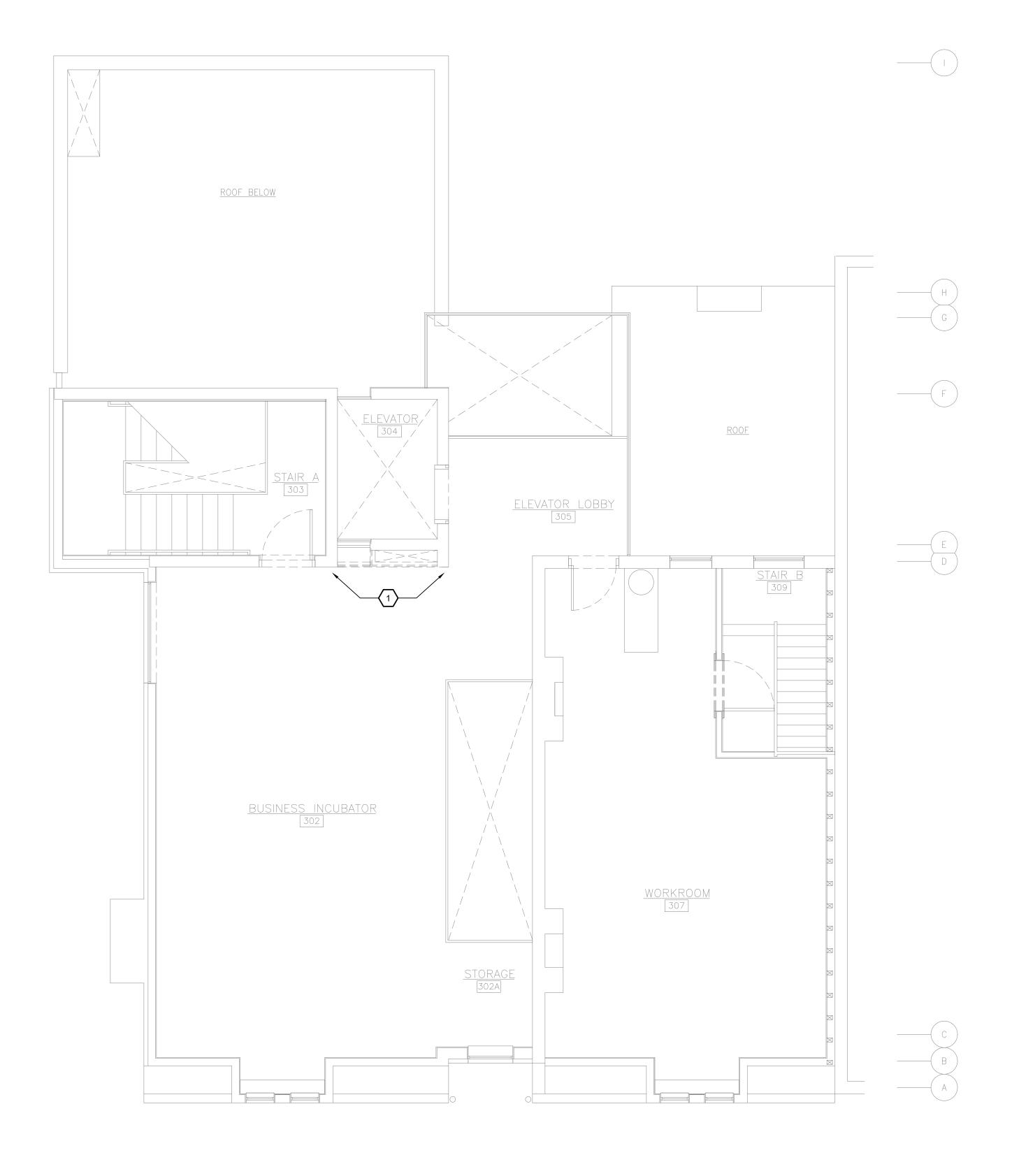
SECOND FLOOR ELECTRICAL DEMOLITION PLAN

COMM. NO. 2035

E-102

ISSUE DATE 02/15/2021





ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHING. DO NOT INCLUDE IN THE DEDUCT ANY WORK ASSOCIATED WITH SALVAGING AND REINSTALLING EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.

ELECTRICAL DEMOLITION GENERAL NOTES:

- 1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
- 2. FIXTURES AND DEVICES NOTED WITH "EX" ARE EXISTING TO REMAIN. MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
- 3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILINGS AND FLOORS FROM CONDUIT PENETRATIONS, JUNCTION BOXES OR WIRING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
- 4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION, WHETHER REPRESENTED ON THIS PLAN OR NOT, SHALL BE DISCONNECTED AND REMOVED. INTERCEPT AND EXTEND CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY OF POWER TO EXISTING DEVICES.
- 5. NOT ALL DEVICES ON WALLS THAT ARE SCHEDULED AS EXISTING TO REMAIN ARE REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY AND CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
- 6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY HEADS, EMERGENCY LIGHTING INVERTERS, EXIT SIGNS AND ASSOCIATED CONTROL DEVICES SHALL BE DEMOLISHED, UNLESS OTHERWISE NOTED. THE MAJORITY OF LIGHTING EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE. REFER TO ALTERNATE NOTE ON THIS SHEET FOR MORE INFORMATION.
- 7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION DEVICES ARE EXISTING TO REMAIN. THE MAJORITY OF FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. ELECTRICAL CONTRACTOR SHALL FIELD SURVEY TO UNDERSTAND THE DEMOLITION SCOPE.

ELECTRICAL DEMOLITION KEY NOTES: (#)

1. DISCONNECT AND REMOVE ALL DEVICES THAT CONFLICT WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE SALVAGED FOR REINSTALLATION AND WHICH DEVICES SHALL BE DEMOLISHED. REFER TO NEW WORK PLANS FOR MORE INFORMATION.

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB 1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

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THIRD FLOOR ELECTRICAL DEMOLITION PLAN

COMM. NO. 2035

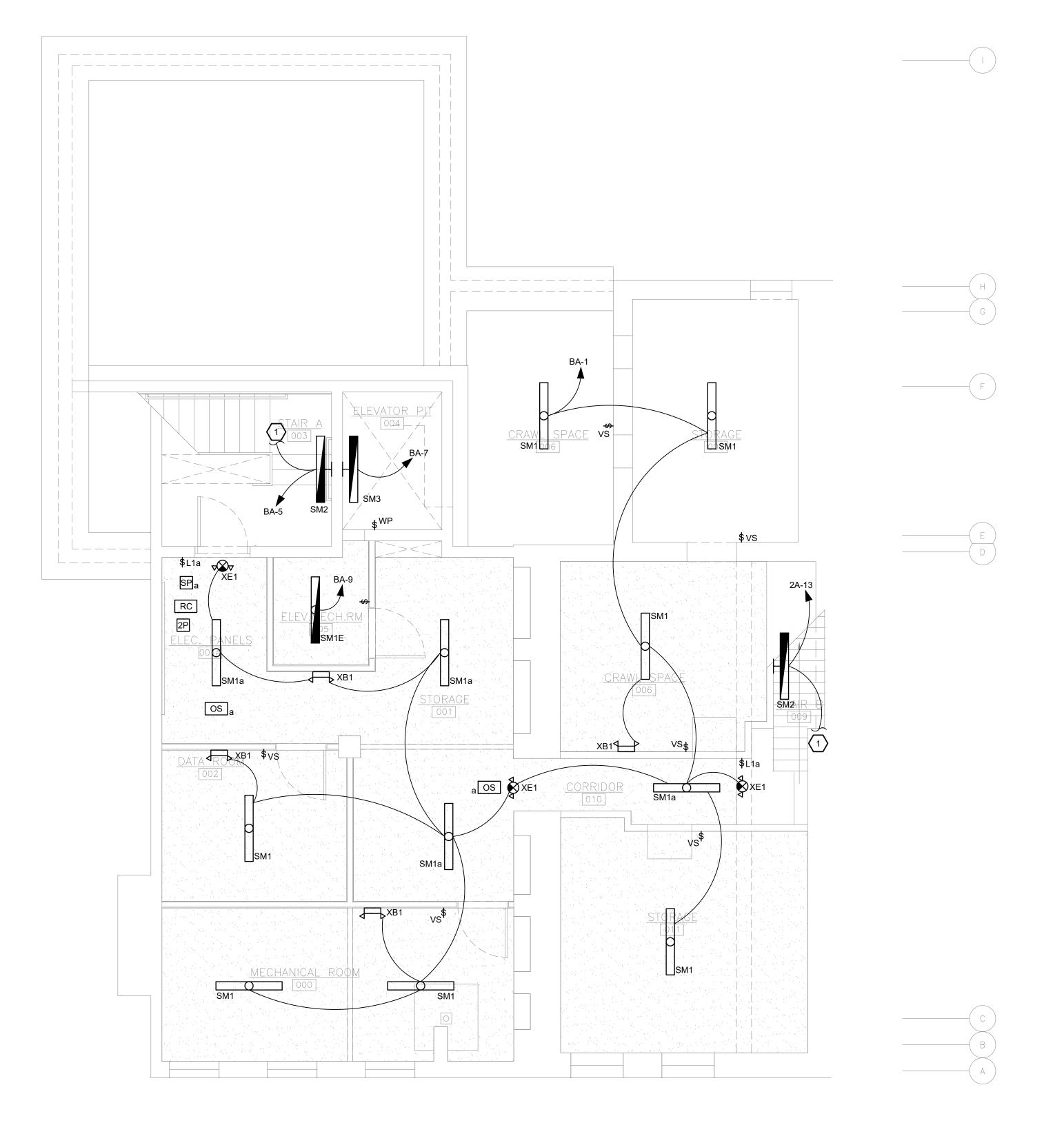
E-103



ISSUE DATE







LIGHTING GENERAL NOTES:

- FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.
- 2. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS
- 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND EXACT LIGHTING FIXTURE LOCATIONS AND DIMENSIONAL INFORMATION.
- 5. EXIT SIGNS AND EMERGENCY WALL PACKS SHALL BE CIRCUITED TO AN UNSWITCHED HOT LEG OF THE CIRCUIT NOTED AHEAD OF LOCAL CONTROLS.
- 6. OCCUPANCY / VACANCY SENSORS HAVE BEEN LOCATED PER THE RECOMMENDED SPACING OF THE BASIS OF DESIGN PRODUCTS. THE EXACT LOCATIONS AND QUANTITY OF SENSORS SHALL BE VERIFIED BY THE MANUFACTURER FOR PRODUCTS SUBMITTED AS EQUALS.

LIGHTING KEY NOTES: (#)

 CIRCUIT SHALL EXTEND TO ALL LIGHTING FIXTURES IN ENTIRE STAIRWELL.

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ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.

REVI	SIO	NS
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PROFESSIONAL

DAVID C. PRICE

ENGINEER

No. PE081572

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT LIGHTING PLAN

COMM. NO. **2035**

ISSUE DATE

02/15/2021

DWG NO.

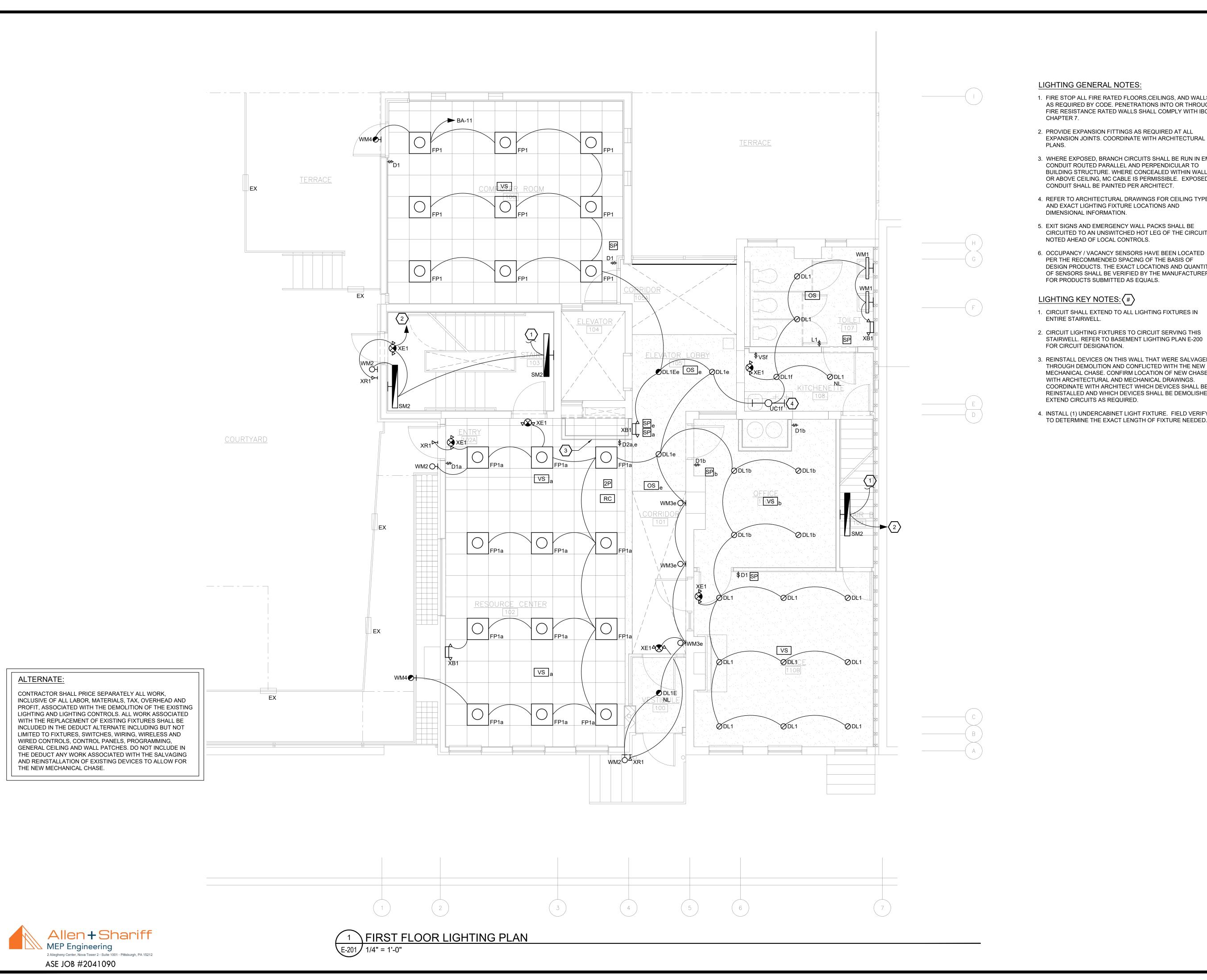
E-200

ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, WIRELESS AND WIRED CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHES. DO NOT INCLUDE IN THE DEDUCT ANY WORK ASSOCIATED WITH THE SALVAGING AND REINSTALLATION OF EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.







- 1. FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC
- 2. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL
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- 4. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND EXACT LIGHTING FIXTURE LOCATIONS AND
- 5. EXIT SIGNS AND EMERGENCY WALL PACKS SHALL BE CIRCUITED TO AN UNSWITCHED HOT LEG OF THE CIRCUIT
- PER THE RECOMMENDED SPACING OF THE BASIS OF DESIGN PRODUCTS. THE EXACT LOCATIONS AND QUANTITY OF SENSORS SHALL BE VERIFIED BY THE MANUFACTURER FOR PRODUCTS SUBMITTED AS EQUALS.
- 1. CIRCUIT SHALL EXTEND TO ALL LIGHTING FIXTURES IN
- 2. CIRCUIT LIGHTING FIXTURES TO CIRCUIT SERVING THIS STAIRWELL. REFER TO BASEMENT LIGHTING PLAN E-200
- 3. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.
- 4. INSTALL (1) UNDERCABINET LIGHT FIXTURE. FIELD VERIFY TO DETERMINE THE EXACT LENGTH OF FIXTURE NEEDED.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB 1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233

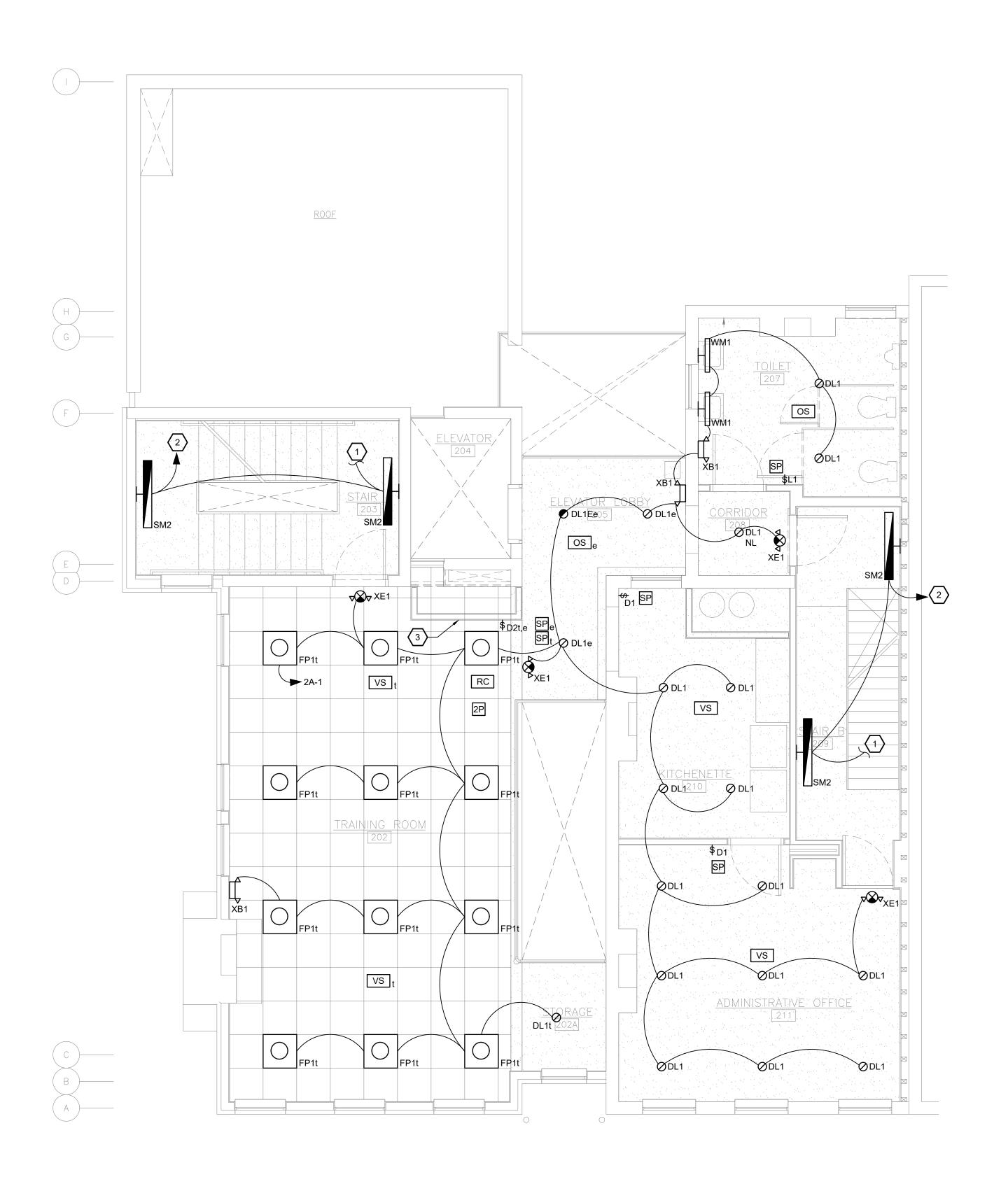


ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

FIRST FLOOR LIGHTING PLAN

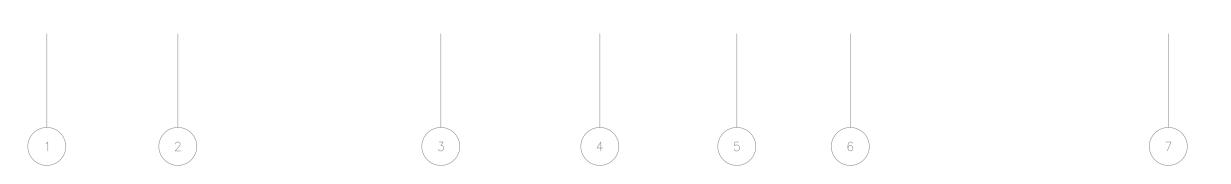
COMM. NO. 2035 E-201 ISSUE DATE 02/15/2021



ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, WIRELESS AND WIRED CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHES. DO NOT INCLUDE IN THE DEDUCT ANY WORK ASSOCIATED WITH THE SALVAGING AND REINSTALLATION OF EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.





Allen+Shariff MEP Engineering ASE JOB #2041090

1 SECOND FLOOR LIGHTING PLAN E-202 1/4" = 1'-0"

1. FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.

LIGHTING GENERAL NOTES:

- 2. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL
- 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
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LIGHTING KEY NOTES: (#)

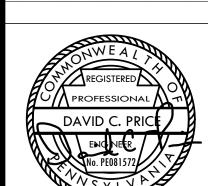
- 1. CIRCUIT SHALL EXTEND TO ALL LIGHTING FIXTURES IN ENTIRE STAIRWELL.
- 2. CIRCUIT LIGHTING FIXTURES TO CIRCUIT SERVING THIS STAIRWELL. REFER TO BASEMENT LIGHTING PLAN E-200 FOR CIRCUIT DESIGNATION.
- 3. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB 1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

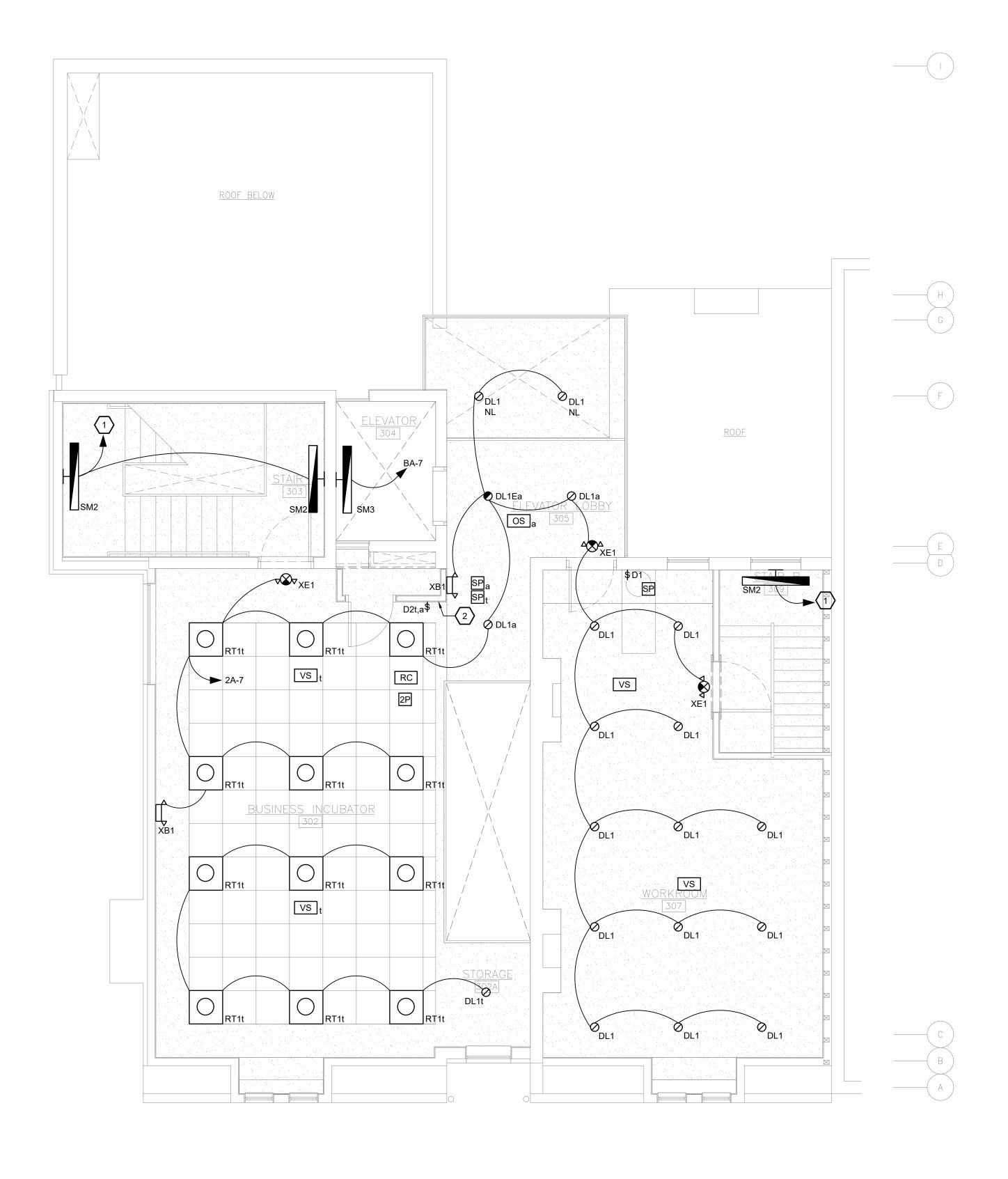
410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

SECOND FLOOR LIGHTING PLAN

COMM. NO. 2035 ISSUE DATE

02/15/2021

REVISION NO.



ALTERNATE:

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- 4. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND EXACT LIGHTING FIXTURE LOCATIONS AND DIMENSIONAL INFORMATION.
- EXIT SIGNS AND EMERGENCY WALL PACKS SHALL BE CIRCUITED TO AN UNSWITCHED HOT LEG OF THE CIRCUIT NOTED AHEAD OF LOCAL CONTROLS.
- 6. OCCUPANCY / VACANCY SENSORS HAVE BEEN LOCATED PER THE RECOMMENDED SPACING OF THE BASIS OF DESIGN PRODUCTS. THE EXACT LOCATIONS AND QUANTITY OF SENSORS SHALL BE VERIFIED BY THE MANUFACTURER FOR PRODUCTS SUBMITTED AS EQUALS.

LIGHTING KEY NOTES: (#)

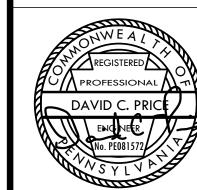
- CIRCUIT LIGHTING FIXTURES TO CIRCUIT SERVING THIS STAIRWELL. REFER TO BASEMENT LIGHTING PLAN E-200 FOR CIRCUIT DESIGNATION.
- 2. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.

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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



G E R A R D
ASSOCIATES ARCHITECTS

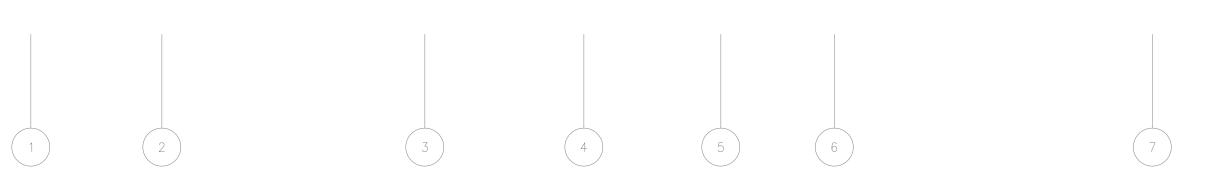
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THIRD FLOOR LIGHTING PLAN

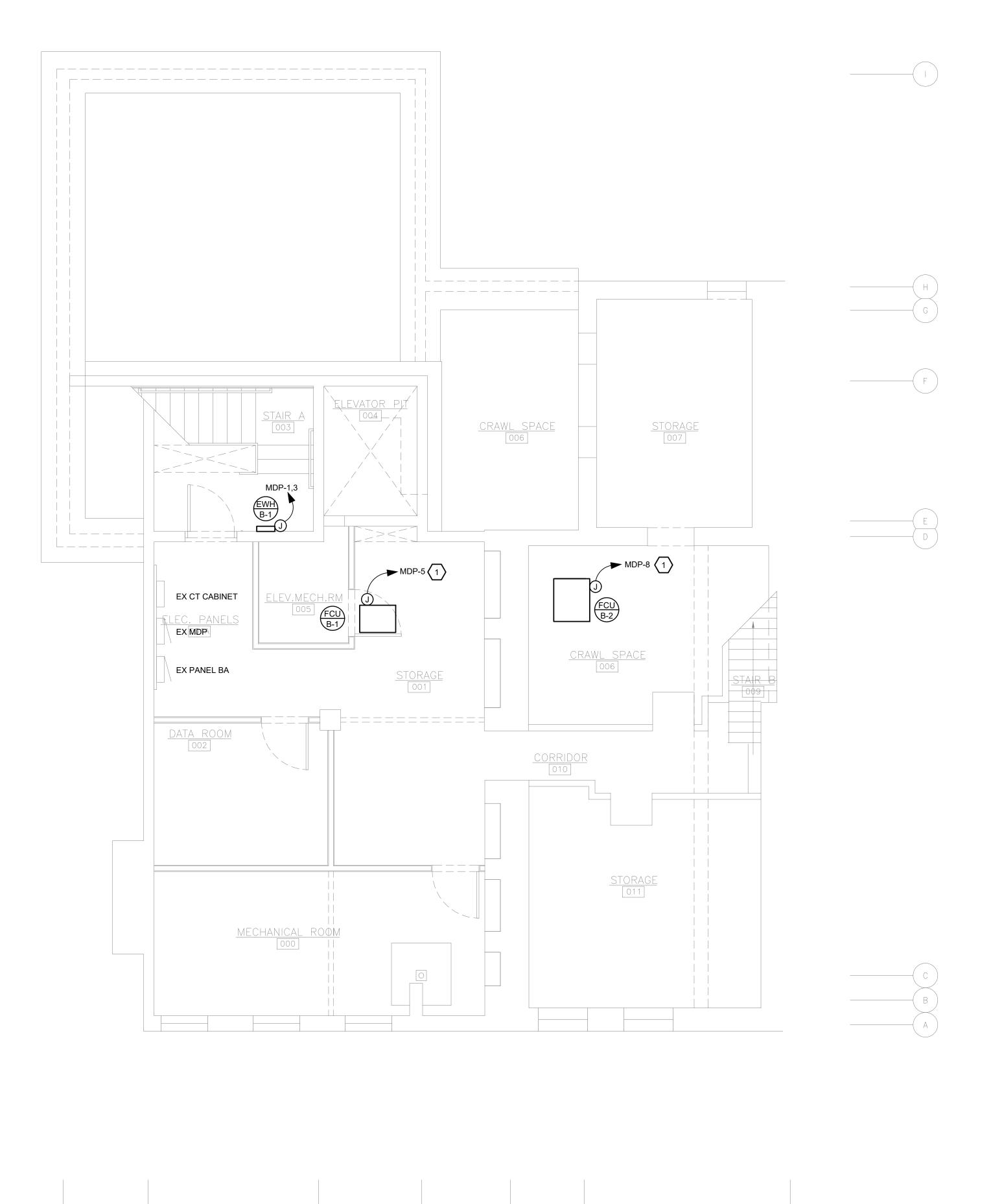
COMM. NO. 2035

ISSUE DATE 02/15/2021

REVISION NO. DWG NO. E-203







POWER GENERAL NOTES:

- FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.
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- EC SHALL NOT HAVE MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A CONDUIT WITHOUT DERATING AMPACITIES PER THE NEC.
- 5. VERIFY EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
- 6. WHERE DEVICES ARE DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL DEVICES PER THOSE DIMENSIONS. WHERE DEVICE LOCATIONS ARE NOT DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL IN ACCORDANCE WITH DEFAULT LOCATIONS IN ELECTRICAL SPECIFICATIONS.
- 7. ALL ELECTRICAL DEVICES SHALL BE INSTALLED PER ADA.
- 8. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH DIVISION 23. MECHANICAL EQUIPMENT DISCONNECTS AND VARIABLE FREQUENCY DRIVES SHALL BE FURNISHED BY DIVISION 23, INSTALLED AND WIRED BY EC, UNLESS NOTED OTHERWISE. THESE DISCONNECTS HAVE NOT BEEN SHOWN ON THIS PLAN.

POWER KEY NOTES: (#)

 REUSE EXISTING CIRCUIT SALVAGED FROM DEMOLISHED MECHANICAL EQUIPMENT. EXTEND CIRCUIT AS REQUIRED TO NEW FURNACE.

FOR CONSTRUCTION

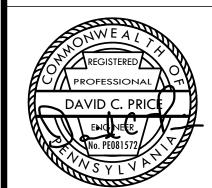
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



G E R A R D ASSOCIATES ARCHITECTS

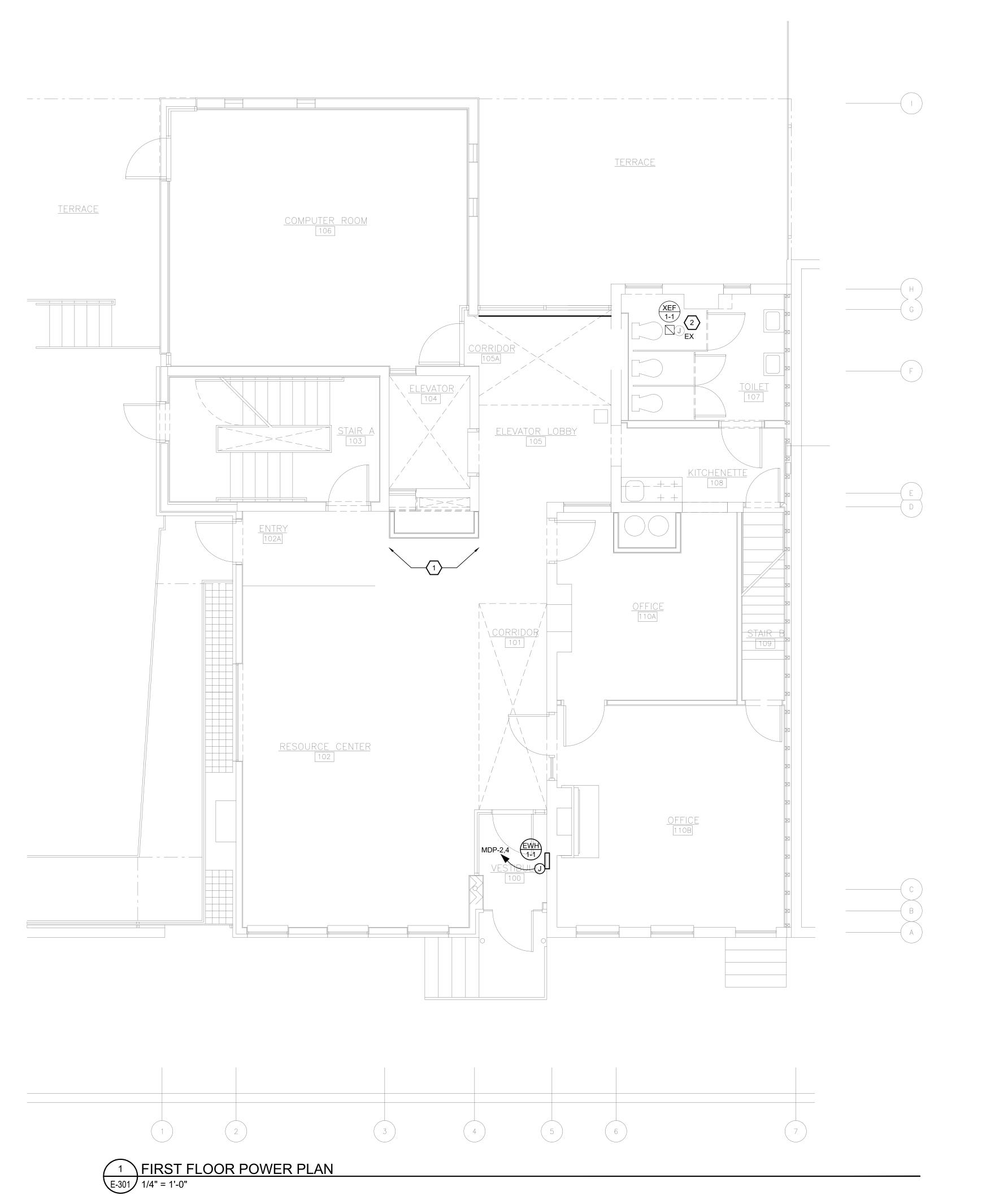
410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

BASEMENT POWER PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021





Allen+Shariff

MEP Engineering

ASE JOB #2041090

POWER GENERAL NOTES:

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- 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- 4. EC SHALL NOT HAVE MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A CONDUIT WITHOUT DERATING AMPACITIES PER THE NEC.
- 5. VERIFY EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
- 6. WHERE DEVICES ARE DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL DEVICES PER THOSE DIMENSIONS. WHERE DEVICE LOCATIONS ARE NOT DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL IN ACCORDANCE WITH DEFAULT LOCATIONS IN ELECTRICAL SPECIFICATIONS.
- 7. ALL ELECTRICAL DEVICES SHALL BE INSTALLED PER ADA.
- 8. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH DIVISION 23. MECHANICAL EQUIPMENT DISCONNECTS AND VARIABLE FREQUENCY DRIVES SHALL BE FURNISHED BY DIVISION 23, INSTALLED AND WIRED BY EC, UNLESS NOTED OTHERWISE. THESE DISCONNECTS HAVE NOT BEEN SHOWN ON THIS PLAN.

POWER KEY NOTES: (#)

- 1. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.
- 2. EXISTING EXHAUST FAN SHALL BE CONTROLLED BY NEW LIGHTING SWITCH SHOWN ON 1ST FLOOR LIGHTING PLAN. CIRCUIT THROUGH LIGHTING POWER PACK/ROOM CONTROLLER FOR CONTROL THROUGH SWITCH AND OCCUPANCY SENSOR. REFER TO LIGHTING PLAN FOR CIRCUIT ASSIGNMENT.

FOR CONSTRUCTION

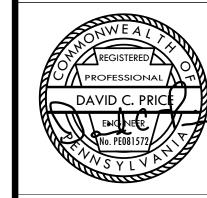
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



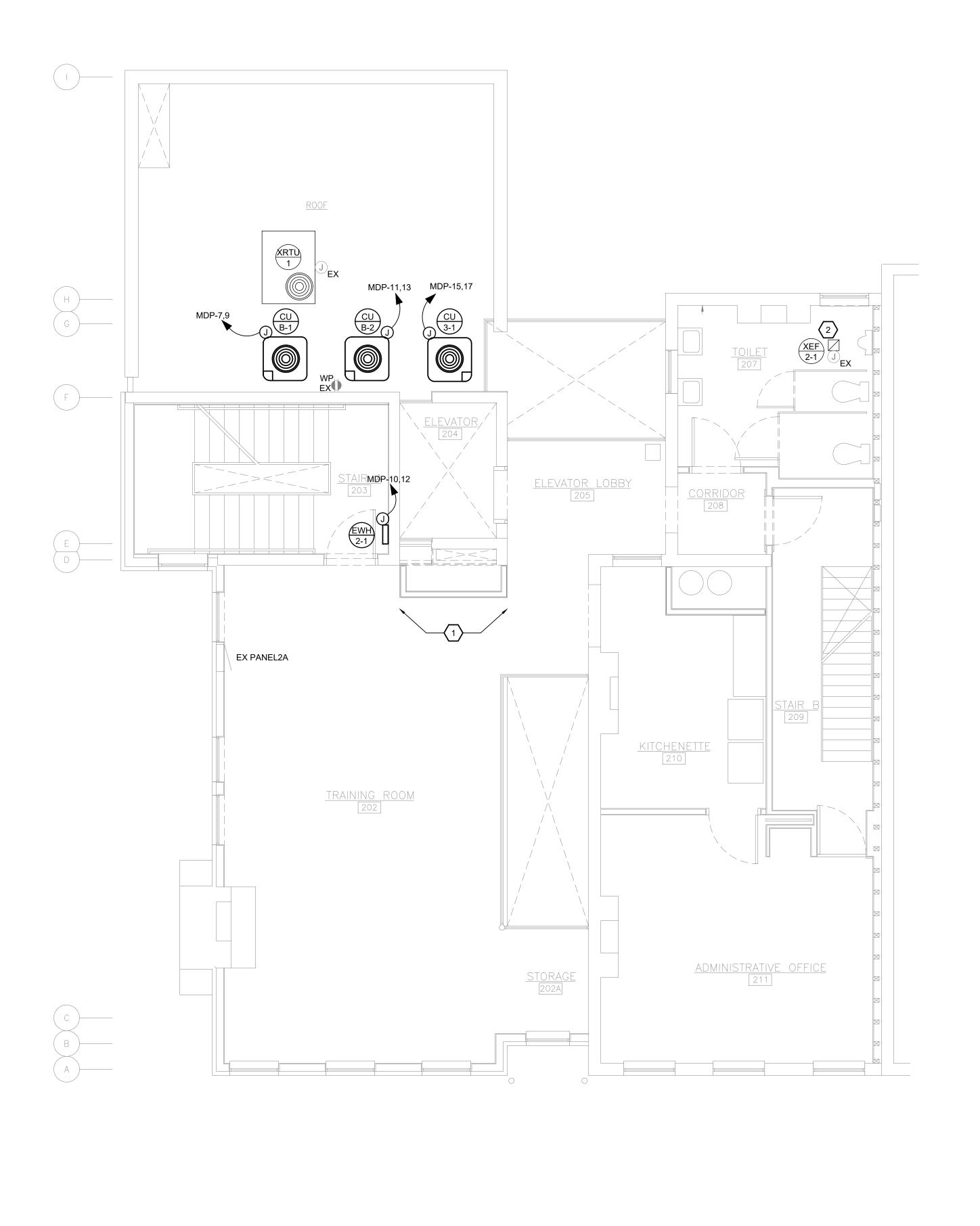
G E R A R D
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

FIRST FLOOR POWER PLAN

COMM. NO.
2035

ISSUE DATE
02/15/2021



POWER GENERAL NOTES:

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POWER KEY NOTES:

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- 2. EXISTING EXHAUST FAN SHALL BE CONTROLLED BY NEW LIGHTING SWITCH SHOWN ON 2ND FLOOR LIGHTING PLAN. CIRCUIT THROUGH LIGHTING POWER PACK/ROOM CONTROLLER FOR CONTROL THROUGH SWITCH AND OCCUPANCY SENSOR. REFER TO LIGHTING PLAN FOR CIRCUIT ASSIGNMENT.

FOR CONSTRUCTION

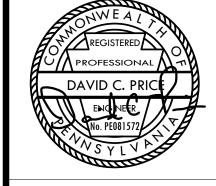
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



G E R A R D
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

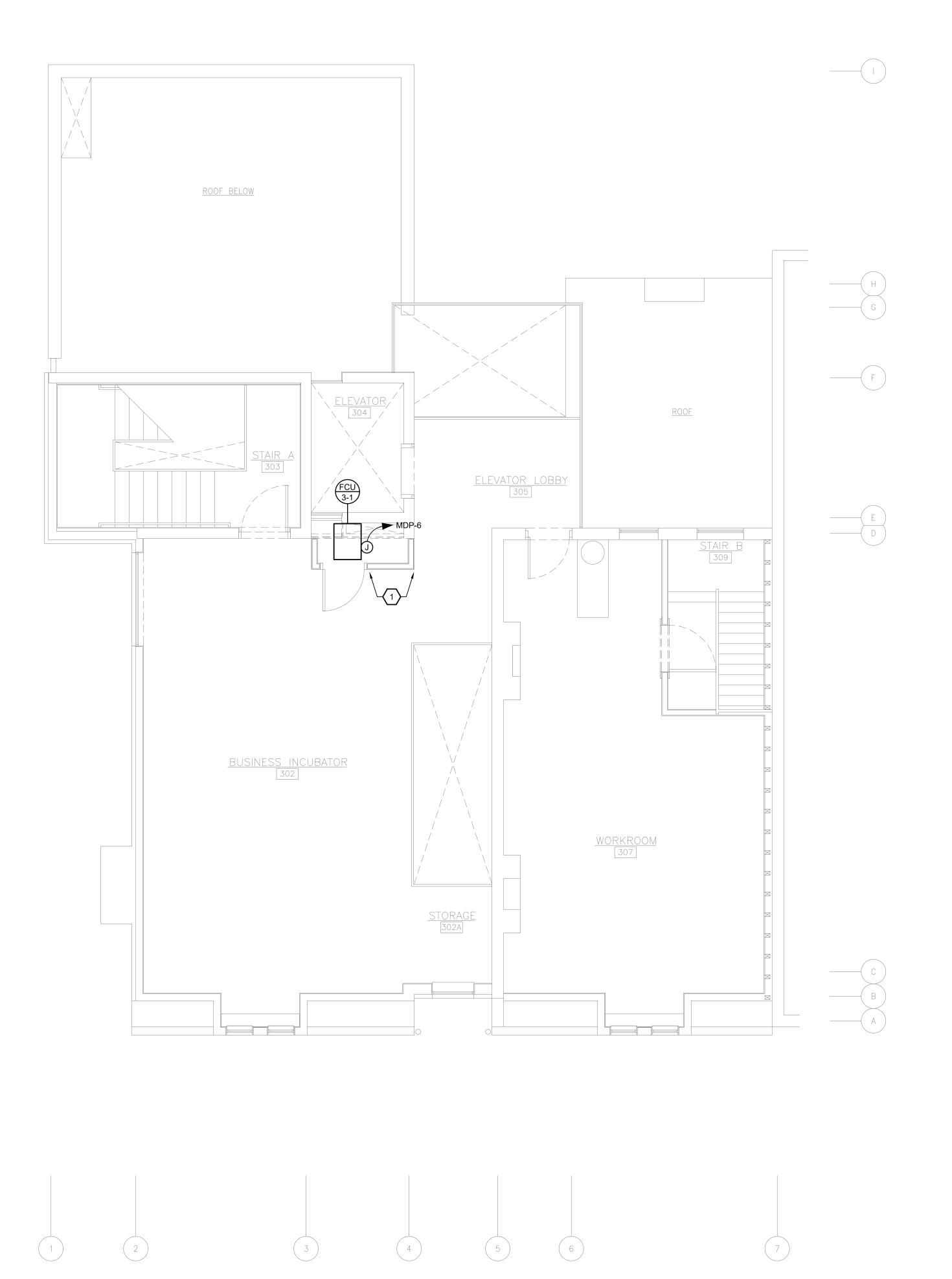
DRAWING NAME

SECOND FLOOR POWER PLAN

COMM. NO. 2035

ISSUE DATE 02/15/2021





POWER GENERAL NOTES:

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- EC SHALL NOT HAVE MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A CONDUIT WITHOUT DERATING AMPACITIES PER THE NEC.
- 5. VERIFY EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
- 6. WHERE DEVICES ARE DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL DEVICES PER THOSE DIMENSIONS. WHERE DEVICE LOCATIONS ARE NOT DIMENSIONED ON ARCHITECTURAL DRAWINGS, INSTALL IN ACCORDANCE WITH DEFAULT LOCATIONS IN ELECTRICAL SPECIFICATIONS.
- 7. ALL ELECTRICAL DEVICES SHALL BE INSTALLED PER ADA.
- 8. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH DIVISION 23. MECHANICAL EQUIPMENT DISCONNECTS AND VARIABLE FREQUENCY DRIVES SHALL BE FURNISHED BY DIVISION 23, INSTALLED AND WIRED BY EC, UNLESS NOTED OTHERWISE. THESE DISCONNECTS HAVE NOT BEEN SHOWN ON THIS PLAN.

POWER KEY NOTES: (#)

 REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.

FOR CONSTRUCTION

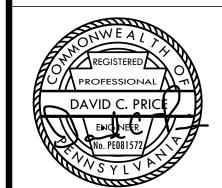
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PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
PEHAR

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



G E R A R D
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

THIRD FLOOR POWER PLAN

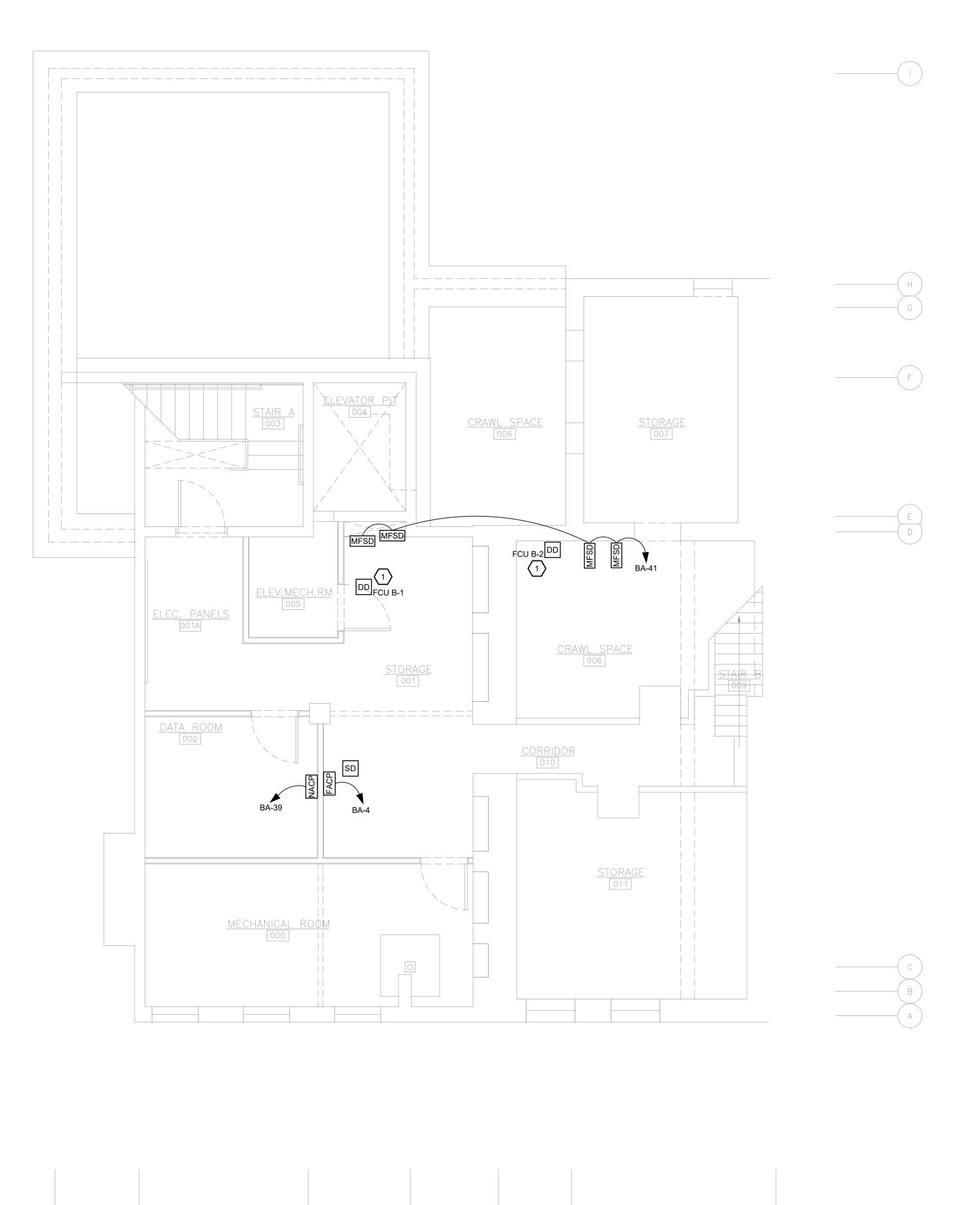
COMM. NO. 2035

ISSUE DATE 02/15/2021

E-303



E-303 1/4" = 1'-0"



FIRE ALARM GENERAL NOTES:

- REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1/E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.
- FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS
 AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH
 FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC
 CHAPTER 7.
- 3. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS
- 4. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- THE EXACT LOCATION OF ALL DEVICES AND ASSOCIATED EQUIPMENT SHALL BE LOCATED PER NFPA, ADA, AND ALL OTHER CODES HAVING JURISDICTION.

FIRE ALARM KEY NOTES: (#)

 ELECTRICAL CONTRACTOR SHALL FURNISH DUCT DETECTOR, DIVISION 23 SHALL INSTALL, AND ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM CONNECTION.

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DAVID C. PRICE

ENGINER

No. PE081572

PROPERTY REHABILITATION FOR:

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1205 LIVERPOOL STREET
BUILDING #35
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410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

BASEMENT FIRE ALARM PLAN

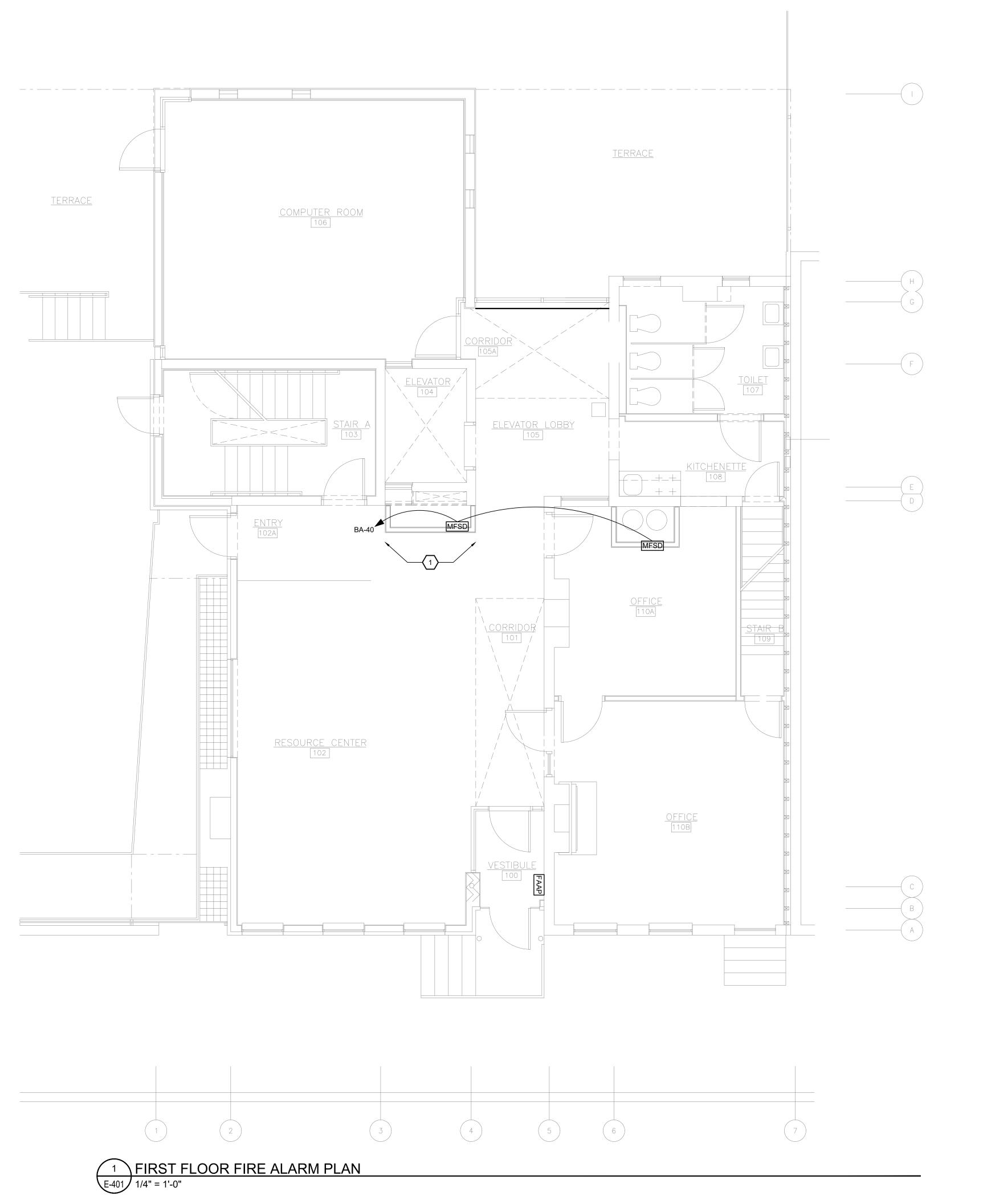
COMM. NO. 2035

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E-400

BASEMENT FIRE ALARM PLAN

1/4" = 1'-0"



Allen+Shariff

MEP Engineering

ASE JOB #2041090

 REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1/E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.

FIRE ALARM GENERAL NOTES:

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 FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC
 CHAPTER 7.
- PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS.
- 4. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- THE EXACT LOCATION OF ALL DEVICES AND ASSOCIATED EQUIPMENT SHALL BE LOCATED PER NFPA, ADA, AND ALL OTHER CODES HAVING JURISDICTION.

FIRE ALARM KEY NOTES: (#)

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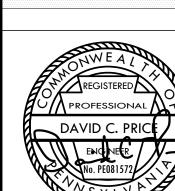
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BUILDING #35
PITTSBURGH, PA 15233



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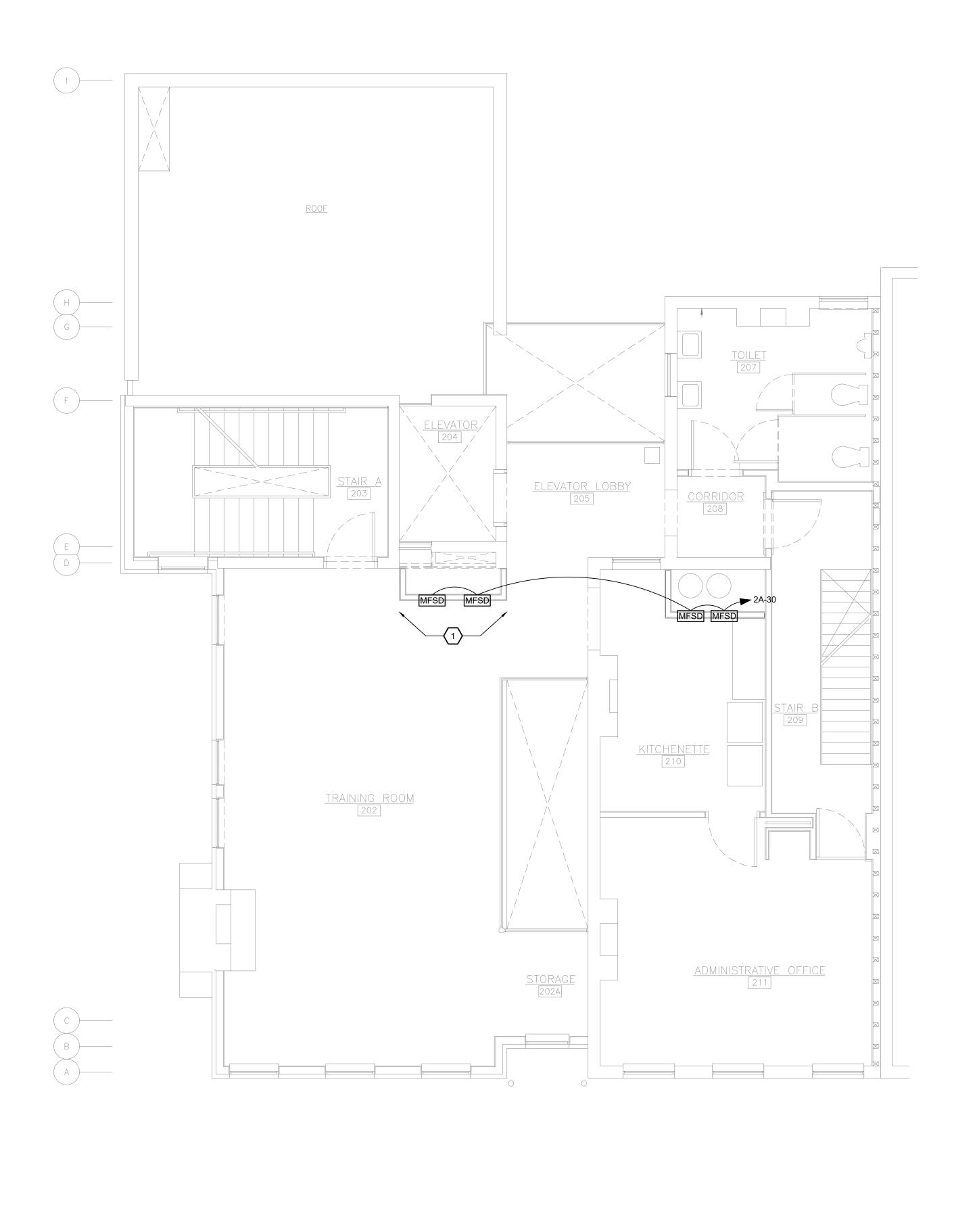
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DRAWING NAME

FIRST FLOOR FIRE ALARM
PLAN

COMM. NO. 2035 ISSUE DATE 02/15/2021

REVISION NO. DWC



FIRE ALARM GENERAL NOTES:

- REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1/E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.
- FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.
- 3. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL DIAMS
- 4. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- 5. THE EXACT LOCATION OF ALL DEVICES AND ASSOCIATED EQUIPMENT SHALL BE LOCATED PER NFPA, ADA, AND ALL OTHER CODES HAVING JURISDICTION.

FIRE ALARM KEY NOTES: $\langle \# \rangle$

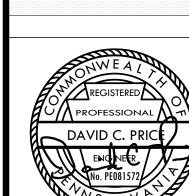
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PROPERTY REHABILITATION FOR:

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BUILDING #35
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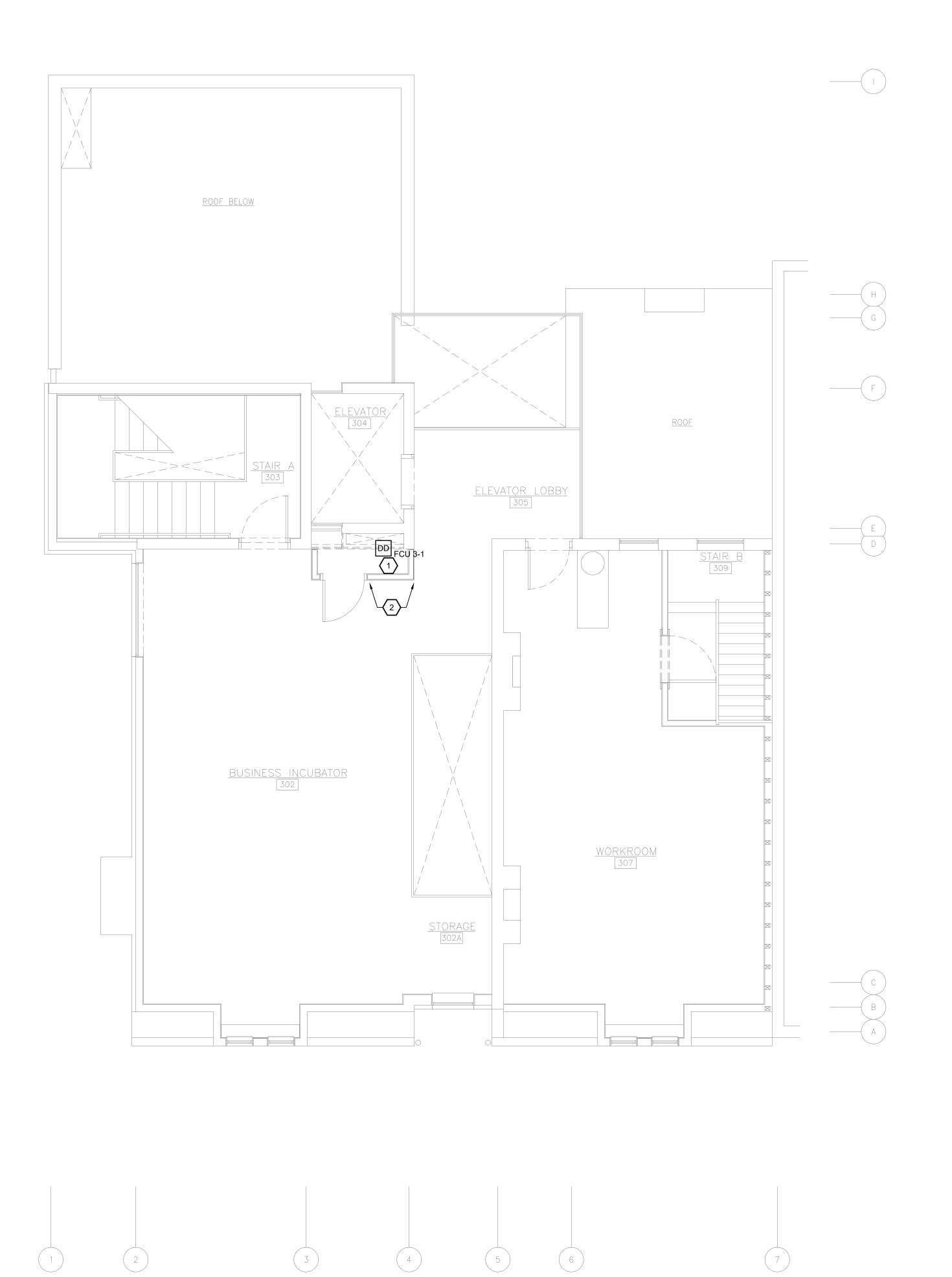
DRAWING NAME

SECOND FLOOR FIRE ALARM PLAN

COMM. NO. 2035

ISSUE DATE 02/15/2021





FIRE ALARM GENERAL NOTES:

- REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1/E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.
- FIRE STOP ALL FIRE RATED FLOORS, CEILINGS, AND WALLS
 AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH
 FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC
 CHAPTER 7.
- 3. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS.
- 4. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT CONDUIT ROUTED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING, MC CABLE IS PERMISSIBLE. EXPOSED CONDUIT SHALL BE PAINTED PER ARCHITECT.
- THE EXACT LOCATION OF ALL DEVICES AND ASSOCIATED EQUIPMENT SHALL BE LOCATED PER NFPA, ADA, AND ALL OTHER CODES HAVING JURISDICTION.

FIRE ALARM KEY NOTES: (#)

- ELECTRICAL CONTRACTOR SHALL FURNISH DUCT DETECTOR, DIVISION 23 SHALL INSTALL, AND ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM CONNECTION.
- 2. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE REINSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.

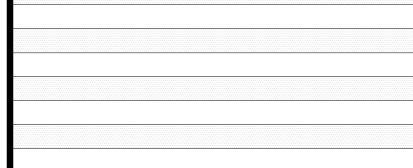
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HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER

REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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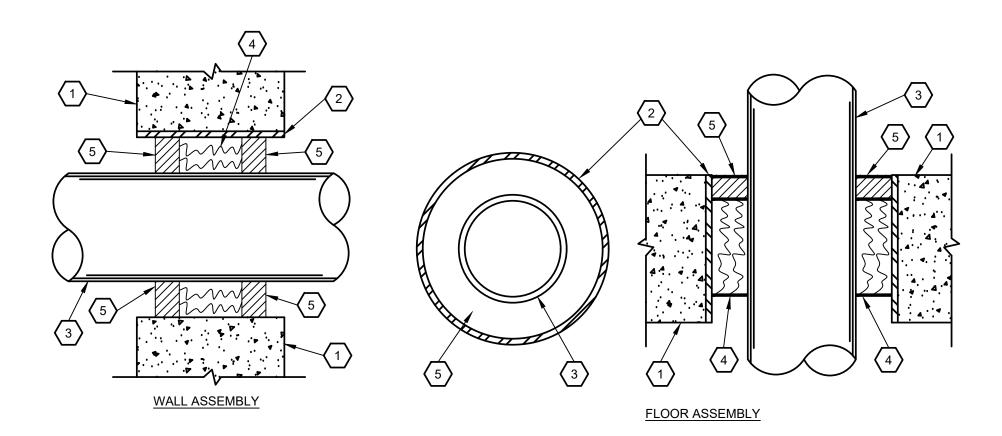
DRAWING NAME

THIRD FLOOR FIRE ALARM
PLAN

COMM. NO. 2035

ISSUE DATE 02/15/2021





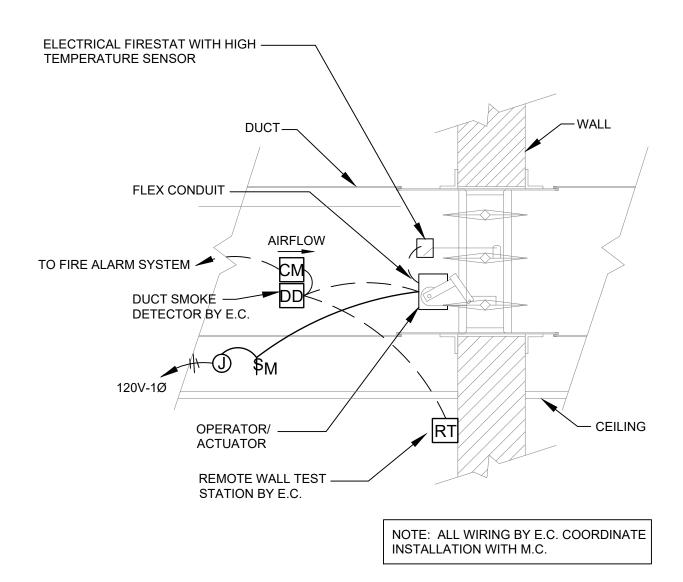
KEYED NOTES: $\langle \# \rangle$

- 1. FLOOR OR WALL ASSEMBLY MINIMUM 5" THICK NORMAL WEIGHT CONCRETE FLOOR OR WALL OR MINIMUM 7-5/8" THICK MASONRY WALL HAVING A MINIMUM 2 HOUR FIRE RESISTIVE RATING WITH A NOMINAL 6" DIAMETER OPENING.
- 2. STEEL PIPE SLEEVE (OPTIONAL) NOMINAL 6" DIAMETER SCHEDULE 40 OR HEAVIER STEEL PIPE SLEEVE. (2 TRADE SIZES LARGER THAN CONDUIT).
- 3. STEEL OR EMT CONDUIT NOMINAL 4" DIAMETER CENTERED THROUGH THE OPENING.
- 4. FORMING MATERIAL MINERAL WOOL, MINIMUM DENSITY OF 4.4 PCF FIRMLY PACKED WITHIN THE OPENING TO A NOMINAL THICKNESS OF 3" FOR FLOORS. FOR WALLS, THE MINERAL WOOL SHALL BE CENTERED IN THE OPENING.
- 5. FILL, VOID OR CAVITY MATERIAL* FILL MATERIAL THAT IS TROWELED INTO THE OPENING TO A MINIMUM THICKNESS OF 1/2" IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. IN WALLS, THE FILL MATERIAL SHALL BE INSTALLED ON BOTH SURFACES OF THE OPENING.
- * BEARING THE "UL" CLASSIFICATION MARKING



1 FIRE STOP DETAIL

1/ N.T.S



NOTES:

- 1. MOTORIZED FIRE SMOKE DAMPER (MFSD), FRAC. HP, 120V-1Ø.
- 2. PROVIDE A DUCT TYPE SMOKE DETECTOR WITH A REMOTE TEST STATION AND AUXILIARY RELAY CONTACTS TO OPERATE THE DAMPER. COORDINATE THE ROUGH-IN LOCATION WITH MECHANICAL DETAILS AND MECHANICAL CONTRACTOR.
- 3. PROVIDE A JUNCTION BOX ABOVE THE CEILING FOR ALL LINE VOLTAGE POWER WIRING. PROVIDE A MANUAL MOTOR STARTER TOGGLE-STYLE SWITCH AS A DISCONNECTING MEANS FOR THE MFSD AS REQUIRED.
- 4. PROVIDE 2#12,1#12(G)-3/4"C. FROM THE JUNCTION BOX TO THE DISCONNECTING MEANS AND HOMERUN TO A 20A, 120V CIRCUIT BREAKER, TYING A MAXIMUM OF FOUR MFSD'S TO A 20A/1P CIRCUIT BREAKER.
- 5. PROVIDE ALL REQUIRED FIRE ALARM SYSTEM TIE-IN WIRING AND PROGRAM FIRE ALARM SYSTEM TO PERFORM THE MECHANICAL SEQUENCE OF OPERATION.



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1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



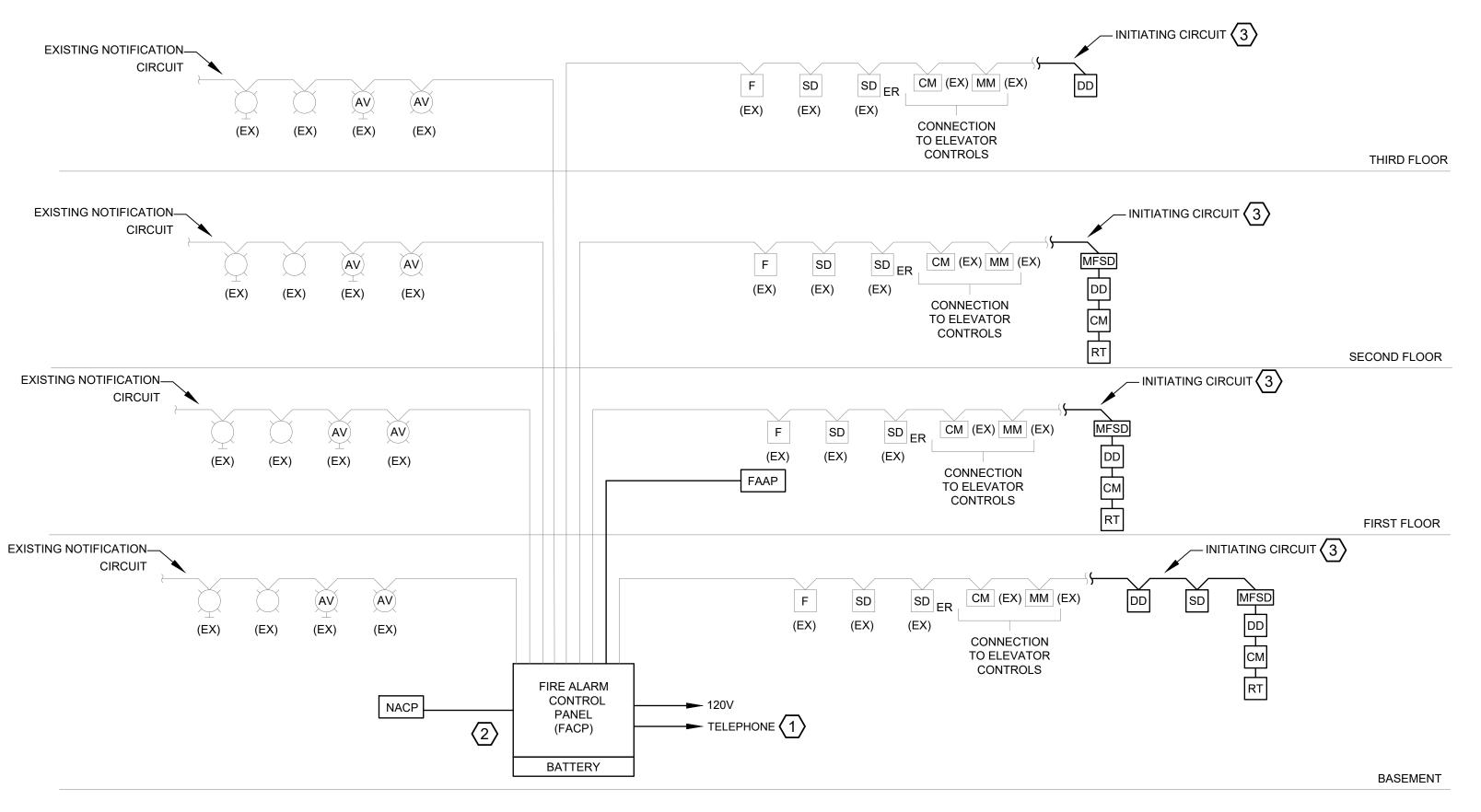
ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

ELECTRICAL DETAILS

COMM. NO. 2035 ISSUE DATE 02/15/2021





PARTIAL FIRE ALARM RISER DIAGRAM E-601 NOT TO SCALE

GENERAL FIRE ALARM SYSTEM NOTES:

- THE EXISTING FIRE ALARM SYSTEM IS MANUFACTURED BY SIMPLEX. NEW EQUIPMENT AND DEVICES SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM.
- 2. REFER TO FLOOR PLAN FOR QUANTITY AND LOCATION OF SYSTEM COMPONENTS. EXACT ARRANGEMENT AND QUANTITY OF DEVICES SHALL BE INDICATED ON THE SHOP DRAWINGS. PROVIDE COMPLETE RISER DIAGRAM AS PART OF SHOP
- 3. VERIFY WIRING SIZES WITH THE FIRE ALARM SYSTEM MANUFACTURER AND INSTALL AS DIRECTED. DO NOT LOAD ANY CIRCUIT BEYOND 80% OF RATED CAPACITY. SUBMIT CALCULATIONS TO SUBSTANTIATE. ADD ADDITIONAL CIRCUITS AS REQUIRED.
- 4. FIRE ALARM WIRING SHALL BE ROUTED VIA A SEPARATE CONDUIT SYSTEM (3/4" MINIMUM). FIRE RATED MC CABLE IS ACCEPTABLE WHERE CONCEALED. MC CABLE SHALL BE COLORED RED. PROVIDE CONDUIT SLEEVES WITH ESCUTCHEON PLATES WHERE PASSING THROUGH WALLS, FLOOR, OR CEILINGS.
- 5. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL POWER SUPPLIES, BATTERIES, EXTENDER PANELS, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 6. THIS CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS, WIRING DIAGRAMS, EQUIPMENT CUTS, ETC. AS PART OF THE SHOP DRAWING SUBMITTAL.
- 7. CANDELA RATING SHALL BE PER NFPA 72 CHAPTER 18 REQUIREMENTS. ALL VISUAL AND AUDIO DEVICES SHALL BE SYNCHRONIZED.
- 8. AUDIBLE ALARM SYSTEM SOUND PRESSURE LEVEL SHALL COMPLY WITH IBC 907.5.2.1.
- 9. THE COMPLETED FIRE ALARM SYSTEM SHALL BE FULLY TESTED IN ACCORDANCE WITH NFPA 72, AND LOCAL FIRE DEPARTMENT REQUIREMENTS BY THE INSTALLER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE AND THE LOCAL FIRE MARSHALL. UPON COMPLETE ON A SUCCESSFUL TEST, THE INSTALLER SHALL SO CERTIFY, IN WRITING, TO THE OWNER AND GENERAL CONTRACTOR.
- 10. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, PRODUCTS, EXECUTION, AND INSTALLATION OF THE FIRE ALARM SYSTEM.
- 11. WIRING SHALL BE INSTALLED IN THE APPROPRIATE RACEWAY TO MEET THE SURVIVABILITY REQUIREMENTS OF THE CITY OF PITTSBURGH CODE ENFORCEMENT.
- 12. PROVIDE REMOTE TEST SWITCHES AND ASSOCIATED CONTROL MODULES FOR ALL FIRE SMOKE AND SMOKE DAMPERS. COORDINATE EXACT LOCATION OF ALL TEST SWITCHES WITH OWNER PRIOR TO ROUGH-IN. THESE SHALL BE LOCATED IN UTILITY/BACK-OF-HOUSESPACES.
- 13. EXISTING DUCT DETECTORS, DAMPERS AND RELATED EQUIPMENT (NOT SHOWN) SHALL REMAIN IN PLACE, IN SERVICE. WHERE REQUIRED, EC SHALL RELOCATE ALL TEST SWITCHES ASSOCIATED WITH EXISTING EQUIPMENT TO MAINTAIN ACCESSIBILITY IN NEW CEILING. EXTEND FIRE ALARM CIRCUIT AS REQUIRED.

KEY NOTES: (#)

- 1. IN ORDER TO PROVIDE DIAL OUT TO FIRE DEPARTMENT, TWO SOURCES SHALL BE PROVIDED TO THE DACT WITHIN THE FIRE ALARM SYSTEM PER NFPA 26.6.3.2.1.4. THE SYSTEM SHALL EMPLOY ONE PHONE LINE AND AN ADDITIONAL TRANSMISSION MEANS AS ALLOWABLE UNDER THAT CODE SECTION AND DEEMED AVAILABLE AT THE SITE. THE OWNER MAY ALSO CHOOSE TO EMPLOY AN ALTERNATE TRANSMISSION MEANS APPROVED BY NFPA IN PLACE OF THE SECOND TELEPHONE LINE. COORDINATE WITH OWNER WHETHER DACT SHOULD DIAL DIRECTLY TO FIRE DEPARTMENT OR TO THIRD PARTY 24/7 MONITORING SERVICE CONTRACTED BY OWNER.
- 2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING FIRE ALARM SYSTEM AND PROVIDE A NEW FACP THAT IS COMPATIBLE WITH THE EXISTING INITIATING AND NOTIFICATION DEVICES. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DEVICES FOR THE NEW FACP TO COMMUNICATE WITH THE OLD DEVICES.
- 3. PROVIDE EXTENSION OF EXISTING FIRE ALARM CIRCUITS TO SUPPLY NEW FIRE ALARM DEVICES. WHERE EXISTING CIRCUITS ARE NOT SIZED TO ACCOMMODATE ADDITIONAL FIRE ALARM DEVICES, PROVIDE NEW FIRE ALARM CIRCUIT TO SERVE FLOOR. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL POWER SUPPLIES, BATTERIES, EXTENDER PANELS, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. All FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH EXISTING SYSTEM.

THE FIRE ALARM SCOPE INCLUDES THE REPLACEMENT OF THE EXISTING FIRE ALARM CONTROL PANEL AND THE ADDITION OF INITIATING DEVICES WHERE NOTED ON THE FIRE ALARM NEW WORK PLANS. THE NEW FIRE ALARM CONTROL PANEL SHALL BE FULLY COMPATIBLE AND FUNCTIONAL WITH THE EXISTING INITIATING AND NOTIFICATION DEVICES. ALL EXISTING WIRING AND CONDUIT TO DEVICES SHALL BE REUSED UNDER THIS SCOPE.

THE BASIS OF DESIGN FOR THE FIRE ALARM CONTROL PANEL (FACP) IS A SIMPLEX 4100ES PANEL. CONTACT SIMPLEX REPRESENTATIVE JEFF GASPARIK, (724) 741-3474, WITH QUESTIONS REGARDING THE COMPATIBILITY OF THE NEW PANEL WITH THE EXISTING NOTIFICATION AND INITIATING DEVICES.

FIRE ALARM PERMIT NOTE (CITY OF PITTSBURGH):

THE E.C. BID SHALL INCLUDE THE COST FOR AN INDEPENDENT THIRD PARTY PROFESSIONAL ENGINEER TO SIGN, DATE, AND SEAL ALL FIRE ALARM DOCUMENTS REQUIRED FOR BUILDING PERMIT. THE FIRE ALARM DOCUMENTS INCLUDED WITH THE E-SERIES DRAWINGS ARE PROVIDED FOR FIRE ALARM DESIGN INTENT WITHIN THE CITY OF PITTSBURGH. THE CITY OF PITTSBURGH WILL REQUIRE SIGNED/SEALED MANUFACTURER SHOP DRAWINGS (BY THE INDEPENDENT THIRD PARTY) FOR PERMIT APPROVAL BEYOND THE DOCUMENTS CONTAINED IN THE E-SERIES DRAWINGS.

THE FIRE ALARM SHOP DRAWINGS SHALL INCLUDE AT A MINIMUM FIRE ALARM FLOOR PLANS AND A RISER DIAGRAM. EACH PLAN OR RISER SHALL INDICATE THE NUMBER AND TYPES OF FIRE ALARM DEVICES INSTALLED ON EACH CIRCUIT, DEVICE ADDRESSES, CONDUCTOR TYPES AND SIZES, FIRE ALARM ZONES, PRIMARY AND SECONDARY POWER SUPPLIES (AS NECESSARY), AND ALL NEW FIRE ALARM DEVICES AS ADDED TO EXISTING CIRCUITS. DOCUMENTS SHALL ALSO CONTAIN BATTERY AND VOLTAGE DROP CALCULATIONS.

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DAVID C. PRICE

ENGINER

No. PEBB1572

PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING NAME

FIRE ALARM RISER DIAGRAM

COMM. NO.
2035

ISSUE DATE
02/15/2021



Ε	xisting Panel		M	DF)										
	Location: Supply From: Mounting: Enclosure:		Volts: 208/120V Phases: 3 Wires: 4							A.I.C. Rating: EXISTING KAIC Mains Type: MCB Mains Rating: 400 MCB Rating: 400					
СКТ	Circuit Description	Wire Size	Trip	Pole	ŀ	A	LOAD (VA)				Pole	Trip	Wire Size	Circuit Description	СКТ
1	EWH B-1 (NOTE 4)	3#12, 1#12G - 3/4"C	20	2	1500	1500	1500	1500			2	20	3#12, 1#12G - 3/4"C	EWH 1-1 (NOTE 4)	2
5	FCU B-1 (NOTE 3)	2#12, 1#12G - 3/4"C	20	1					1380	1380	1	15	2#12, 1#12G - 3/4"C	FCU 3-1 (NOTE 4)	6
7	CU B-1 (NOTE 4)	3#4, 1#10G - 1"C	60	2	3619	1380					1	20	2#12, 1#12G - 3/4"C	FCU B-2 (NOTE 3)	8
9	, ,						3619	1500	3619	1500	2	20	3#12, 1#12G - 3/4"C	EWH 2-1 (NOTE 4)	10 12
13	CU B-2 (NOTE 4)	3#4, 1#10G - 1"C	60	2	3619										14
15 17	CU 3-1 (NOTE 4)	3#4, 1#10G - 1"C	60	2			3619		3619		3	40	EXISTING	EX CONDENSING UNIT #3	16 18
19 21 23	EX PANEL 2A	EXISTING	100	3							3	60	EXISTING	EX SPARE	20 22 24
25 27 29	EX ELEVATOR	EXISTING	150	3							3	150	EXISTING	EX PANEL BA	26 28 30
		7	oad:	116	618	117	738	114	198						
		Pa	nel A	mps:			96	5.7							
	ES: INLESS OTHERWISE NOTED			KERS	ARE EX	(ISTING	TO REM	AIN.							

2. LOADS IN BOLD ARE NEW LOADS ON EXISTING PANEL.

3. (WHERE NOTED) REUSE EXISTING CIRCUIT BREAKER THAT PREVIOUSLY SERVED DEMOLISHED MECHANCAL EQUIPMENT.

4. (WHERE NOTED) PROVIDE NEW CIRCUIT BREAKER SIZED AS SHOWN. MATCH THE MANUFACTURER, MODEL, AND AIC RATING OF EXISTING BREAKERS.

Existing Branch Panel: BA

Location: MAIN ELECTRICAL ROOM Supply From: MDP Mounting: SURFACE Enclosure: TYPE 1

Volts: 208/120V Phases: 3 Wires: 4

A.I.C. Rating: EXISTING KAIC Mains Type: MLO Mains Rating: 150 MCB Rating: -

										-					
CK	Circuit Description	Wire Size	Trin	Pole			LOAD	(VA)			Pole	Trip	Wire Size Circuit Description	Circuit Description	СКТ
OIX	Ollouit Description	VVIIC OIZE	Пір	I OIC	A	4	E	В		2	i oic	шр	VVIIIC OIZE	Ollouit Description	OIXI
1	LTG BASEMENT	2#12, 1#12G - 3/4"C	20	1	520						1	20	EXISTING	EX REC BASEMENT	2
3	EX EM BATTERY UNIT	EXISTING	20	1				500			1	20	2#12, 1#12G - 3/4"C	FACP (NOTE 3)	4
5	LTG STAIRWELL A	2#12, 1#12G - 3/4"C	20	1					293		1	20	EXISTING	EX LTG ELEV CAB LTS	6
7	LTG ELEVATOR PIT	2#12, 1#12G - 3/4"C	20	1	102						1	20	EXISTING	EX REC ELEVATOR	8
9	LTG ELEV MACHINE RM	2#12, 1#12G - 3/4"C	20	1			46				1	20	EXISTING	EX REC TELEPHONE REC	10
11	LTG 1ST FLOOR	2#12, 1#12G - 3/4"C	20	1					1550		1	20	EXISTING	EX REC SECURITY REC	12
13	EX LTG ATRIUM	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	14
15	EX LTG 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	16
17	EX LTG 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	18
19	EX CIRCUIT	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	20
21	EX CIRCUIT	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	22
23	EX WATER FOUNTAIN	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	24
25	EX REC 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	26
27	EX REC 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	28
29	EX REC 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC COMPUTER ROOM	30
31	EX REC 1ST FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC BASEMENT	32
33	EX REC EXTERIOR	EXISTING	20	1							1	20	EXISTING	EX REC BASEMENT	34
35	EX REC EXTERIOR	EXISTING	20	1							1	20	EXISTING	EX SNOW MELT	36
37	EX LTG EXTERIOR	EXISTING	20	1							1	20	EXISTING	EX 1ST FLR BATH & STAIR	38
39	NACP (NOTE 3)	2#12, 1#12G - 3/4"C	20	1			500	500			1	20	2#12, 1#12G - 3/4"C	1ST FL MFSD'S	40
41	BASEMENT MFSD'S	2#12, 1#12G - 3/4"C	20	1					1000		1	20		EX SPARE	42
	Total Load:				62	22	15	46	28	43					

. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT BREAKERS ARE EXISTING TO REMAIN.

Panel Amps:

2. LOADS IN BOLD ARE NEW LOADS ON EXISTING PANEL. B. PROVIDE LOCKING DEVICE ON EXISTING BREAKER.

Existing Branch Panel: 2A

Location: 2ND FLOOR TRAINING ROOM Supply From: MDP Mounting: RECESSED

Volts: 208/120V Phases: 3 Wires: 4

A.I.C. Rating: EXISTING KAIC Mains Type: MLO Mains Rating: 100

	Enclosure: TYPE 1											MCB Rating: -					
CKT	Circuit Description	Circuit Description Wire Size Trip Po						(VA)			Pole	Trin	Wire Size	Circuit Description	СКТ		
CKI	Circuit Description	Wire Size	Шр	Pole	Α	Α		В		С		шр	vviie Size	Circuit Description	CKI		
1	LTG 2ND FLOOR	2#12, 1#12G - 3/4"C	20	1	963						1	20	EXISTING	EX REC 2ND FLOOR	2		
3	EX LTG 2ND FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC 2ND FLOOR	4		
5	EX LTG 2ND FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC 2ND FLOOR	6		
7	LTG 3RD FLOOR	2#12, 1#12G - 3/4"C	20	1	934						1	20	EXISTING	EX REC 2ND FLOOR	8		
9	EX LTG 3RD FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC 2ND FLOOR	10		
11	EX LTG 3RD FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC 3RD FLOOR	12		
13	LTG STAIRWELL B	2#12, 1#12G - 3/4"C	20	1	190						1	20	EXISTING	EX REC 3RD FLOOR	14		
15	EX REC ROOFTOP GFI	EXISTING	20	1							1	20	EXISTING	EX REC 3RD FLOOR	16		
17	EX STEREO	EXISTING	20	1							1	20	EXISTING	EX REC 3RD FLOOR	18		
19	EX WATER FOUNTAIN	EXISTING	20	1							1	20	EXISTING	EX LTG 3RD FLOOR	20		
21	EX LTG 2ND FLOOR	EXISTING	20	1							1	20	EXISTING	EX REC BATHROOM GFI	22		
23	EX REFRIGERATOR	EXISTING	20	1							2	50	EXISTING	EV DANCE	24		
25	EX RIGHT KITCHEN GFI	EXISTING	20	1								30	ENSTING	EX RANGE	26		
27	EX DISHWASHER	EXISTING	20	1							1	20	EXISTING	EX CUBICLES	28		
29	EX MICROWAVE	EXISTING	20	1						1000	1	20	2#12, 1#12G - 3/4"C	2ND FL MFSD'S	30		
		T	otal L	oad:	208	87	()	10	00							
	Panel Amps: 8.6																

. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT BREAKERS ARE EXISTING TO REMAIN.

LOADS IN BOLD ARE NEW LOADS ON EXISTING PANEL.

Allen+Shariff MEP Engineering 2 Allegheny Center, Nova Tower 2 ° Suite 1001 ° Pittsburgh, PA 15212
ASE JOB #2041090

		FOR CONSTRUCTION									
	T	· · · · · · · · · · · · · · · · · · ·	LIGHTING FIXTUR			<u> </u>					
TYPE	FIXTURE DESCRIPTION	MANUFACTURER	MODEL	LAMP #	AMP(S) LAMP TYPE	DRIVER/ BALLAST	INPUT WATTS	VOLTS	MOUNTING	NOTES	THIS DOCUMENT IS COPYRIGHTED AND SUBJECT TO PROTECTION UNDER SECTION 102 OF THE COPYRIGHT ACT 17 U.S.O. AS AMENDED DECEMBER 1990 AND KNOWN AS THE ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. REPRODUCTION AND USE OF THIS DOCUMENT OR THE IDEAS AND DESIGNS INCORPORATED HEREIN WITHOUT AUTHORIZATION OF GERARD ASSOCIATES ARCHITECTS.
DL1	6"RECESSED DOWNLIGHT	HALO	FRAME: HC6-20-D010 LED MODULE: HM6-12-835 REFLECTOR: 61-MD-H		LED, 3500K, 2000LM	0-10V, DIM TO 1%	21	120	RECESSED, CEILING		L.L.C. WILL SUBJECT THE VIOLATOR TO LEGAL PROSECUTION. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
DL1E	6" RECESSED DOWNLIGHT WITH EMERGENCY BATTERY	HALO	FRAME: HC6-20-D010-REM14 LED MODULE: HM6-12-835 REFLECTOR: 61-MD-H		LED, 3500K, 2000LM	0-10V, DIM TO 1%	21	120	RECESSED, CEILING		REVISIONS
FP1	2'X2' FLAT PANEL	METALUX	22-FPX-42-L835-HCD		LED, 3500K, 4200LM	0-10V, DIM TO	42	120	RECESSED, CEILING		/1\
SM1	4'-0" SURFACE MOUNTED STRIP FIXTURE W/ ROUND LENS	METALUX	4SNLED-LD5-50SL-LW-UNV-L835-CD1-U		LED, 3500K, 5000LM	1% 0-10V, DIM TO 10%	46	120	SURFACE, CEILING	WHERE CEILING CONDITIONS DO NOT ALLOW FOR SURFACE MOUNTING, PROVIDE AIRCRAFT CABLE SUSPENSION MOUNTING. EC SHALL FIELD COORDINATE.	
SM1E	4'-0" SURFACE MOUNTED STRIP FIXTURE W/ ROUND LENS AND EMERGENCY BATTERY	METALUX	4SNLED-LD5-50SL-LW-UNV-EL14W-L835-CD1-U		LED, 3500K, 5000LM	0-10V, DIM TO 10%	46	120	SURFACE, CEILING	WHERE CEILING CONDITIONS DO NOT ALLOW FOR SURFACE MOUNTING, PROVIDE AIRCRAFT CABLE SUSPENSION MOUNTING. EC SHALL FIELD COORDINATE.	
SM2	4'-0" WALL MOUNTED STAIR FIXTURE W/ EMERGENCY BATTERY AND INTEGRAL OCCUPANCY SENSOR	METALUX	4SWLED-40SL-LW-UNV-EL14W-L835-CD1-SVPD2-U		LED, 3500K, 4000LM	0-10V	38	120	SURFACE, WALL	OCCUPANCY SENSOR SHALL OPERATE TO TURN LIGHTS ON TO 100% LIGHT OUTPUT WHEN STAIRWELL IS OCCUPIED AND 0% WHEN UNOCCUPIED.	
SM3	4'-0" SURFACE MOUNTED, WET LISTED VAPORTIGHT STRIP FIXTURE WITH EMERGENCY BATTERY	METALUX	4VT2-LD5-6-FR50-UNV-EL10W-L835-CD1-WL-U		LED, 3500K, 6000LM	0-10V	51	120	SURFACE, WALL	ONCOUGH TED.	
VVM1	2' WALL MOUNTED VANITY FIXTURE	METALUX	2BCLED-LD4-20SL-F-UNV-L835-CD-1-U		LED, 3500K, 2000LM	0-10V	23	120	SURFACE, WALL		
VVM2	EXTERIOR WALL SCONCE WITH PHOTOCELL	ASL	BCJA-W24-ND-30K-H21-PC-XX		LED, 3000K, 2800LM	LED	24	120	SURFACE, WALL		
V/M3	INTERIOR DECORATIVE WALL SCONCE	ASL	BCRBA-W24-DVD-35K-H20-XX		LED, 3500K, 2800LM	0-10V	24	120	SURFACE, WALL		
VVM4	EXTERIOR WALL SCONCE WITH EMERGENCY BATTERY AND PHOTOCELL	ASL	DSKE-W24-ND-30K-W4-EMG-PC-XX		LED, 3000K, 2800LM	LED	24	120	SURFACE, WALL		
UC1	3' UNDERCABINET FIXTURE	HALO	HU30-BSC-36-P		LED, 3500K, 850LM	LED	14	120	SURFACE, UNDERCABINET	COORDINATE MOUNTING WITH CASEWORK PROVIDER. CONCEAL WHERE POSSIBLE. PROVIDE ALL MOUNTING AND CONNECTION ACCESSORIES.	
XB1	EMERGENCY BATTERY UNIT WITH SELF- DIAGNOSTICS	EXITRONIX	LED-95-WH-G2	2	LED		2	120	SURFACE, WALL		
XE1	THERMOPLASTIC LED EXIT SIGN WITH BATTERY BACKUP, EMERGENCY LIGHTING HEADS, SELF- DIAGNOSTICS, AND REMOTE HEAD CAPABILITY	EXITRONIX	VLEDC-51-WH-G2-R4	2	LED		2	120	UNIVERSAL	PROVIDE NUMBER OF FACES AND DIRECTIONAL CHEVRONS AS SHOWN ON PLANS.	
XR1	WET LOCATION LED EMERGENCY REMOTE LAMPS	EXITRONIX	RL1-WP-GR	1	LED		1		SURFACE, WALL		

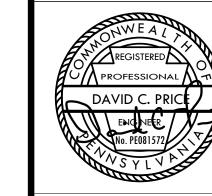
- 1. ARCHITECT SHALL SPECIFY / VERIFY ALL FINISH SELECTIONS.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. 3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES.

GENERAL CIRCUITING NOTE:

CIRCUIT BREAKERS IN EXISTING PANELS MDP, BA, AND 2A WILL BECOME SPARE FOLLOWING DEMOLITION OF THE EXISTING SPACE. THE LOAD ASSIGNMENTS NOTED HERE ARE ARBITRARY, AND THE EC SHALL UTILIZE ANY EXISTING SPARE BREAKERS AND ANY BREAKERS MADE SPARE THROUGH DEMOLITION IN THESE PANELS. WHERE NO SPARE BREAKER IS AVAILABLE, EC SHALL INSTALL NEW BREAKER IN AN EXISTING PROVISIONAL SPACE. NEW BREAKER SHALL MATCH THE MANUFACTURER, MODEL, & AIC RATING OF EXISTING BREAKERS. ALL BASE BUILDING LOADS AND CIRCUITS SERVING DEVICES THAT ARE EXISTING TO REMAIN SHALL BE MAINTAINED. THE EC SHALL ADJUST CIRCUIT ASSIGNMENTS AS REQUIRED AND PROVIDE NEW PANEL SCHEDULES TO REFLECT THE INSTALLATION AT PROJECT CLOSEOUT.

ALTERNATE:

CONTRACTOR SHALL PRICE SEPARATELY ALL WORK, INCLUSIVE OF ALL LABOR, MATERIALS, TAX, OVERHEAD AND PROFIT, ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING AND LIGHTING CONTROLS. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE DEDUCT ALTERNATE INCLUDING BUT NOT LIMITED TO FIXTURES, SWITCHES, WIRING, WIRELESS AND WIRED CONTROLS, CONTROL PANELS, PROGRAMMING, GENERAL CEILING AND WALL PATCHES.



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET BUILDING #35 PITTSBURGH, PA 15233



ASSOCIATES ARCHITECTS

410 FT. PITT COMMONS, 445 FT. PITT BLVD. PITTSBURGH, PENNSYLVANIA 15219-1333 PHONE: 412-566-1531 FAX: 412-566-1532

ELECTRICAL SCHEDULES

COMM. NO. 2035 ISSUE DATE

02/15/2021