



Housing Authority of the City of Pittsburgh

Contracting Officer
100 Ross Street, 2nd Floor Suite 200
Pittsburgh, PA 15219
(412) 456-5116
www.hacp.org

April 6, 2022

Direct Opportunities Center Rehabilitation (DOC) AMP - 39 Rebid IFB #600-25-21-REBID

ADDENDUM NO. 4

This addendum issued April 6, 2022 becomes in its entirety a part of the Invitation for Bid IFB #600-25-21-REBID as is fully set forth herein:

Item 1: Several electrical drawings were missing from the project manual file initially. Please see the attached full set of drawings attached.

Item 1: The bid due date and time have been changed to April 19, 2022 at 10:00 AM.

Item 2: The Housing Authority of the City of Pittsburgh will **only be accepting physical bids dropped off in person from 8:00 AM until the closing time of 10:00 AM on April 19, 2022** in the lobby of 100 Ross St. Pittsburgh, PA 15219. Bids may still be submitted electronically:

<https://www.dropbox.com/request/w9KITHihAGUNeQtC0Ntr> and may still be mailed via USPS at which time they will be Time and Date Stamped at 100 Ross Street 2nd Floor, Suite 200, Pittsburgh, PA 15219. All bids must be received at the above address no later than 10:00 AM on April 19, 2022 regardless of the selected delivery mechanism.

END OF ADDENDUM NO. 4

Kim Detrick

Kim Detrick (Apr 7, 2022 08:46 EDT)

Mr. Kim Detrick
Procurement Director/Chief Contracting Officer

Apr 7, 2022

Date

PROPERTY REHABILITATION FOR:

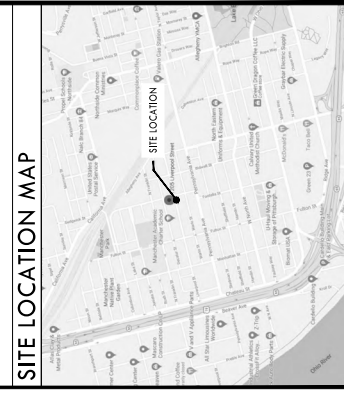
HACP TASK ORDERS #35 and #41 DEVELOPMENT & OPPORTUNITIES CENTER

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

DRAWING LIST

NO.	DRAWING NAME	CURRENT
AC-101	ARCHITECTURAL SITE PLAN	07/15/21
G-001	GENERAL NOTES	07/15/21
G-002	CODE SUMMARY	07/15/21
B-100	BASEMENT DEMOLITION PLAN	07/15/21
B-101	SECOND FLOOR DEMOLITION PLAN	07/15/21
B-102	THIRD FLOOR DEMOLITION PLAN	07/15/21
A-100	BASEMENT FLOOR PLAN	07/15/21
A-101	FIRST FLOOR PLAN	07/15/21
A-102	SECOND FLOOR PLAN	07/15/21
A-103	THIRD FLOOR PLAN	07/15/21
A-201	NOISE EVALUATION	07/15/21
A-202	EAST ELEVATION	07/15/21
A-203	SOUTH ELEVATION	07/15/21
A-301	BUILDING SECTIONS	07/15/21
A-400	BASEMENT REFLECTED CEILING PLAN	07/15/21
A-401	FIRST FLOOR REFLECTED CEILING PLAN	07/15/21
A-402	SECOND AND THIRD FLOOR REFLECTED CEILING PLANS	07/15/21
A-403	FINISH SCHEDULE	07/15/21
S-101	PARTIAL FIRST FLOOR FRAMING PLAN	07/15/21
M-200	MECHANICAL DATA SHEET	07/15/21
M-100	FIRST FLOOR MECHANICAL DEMOLITION PLAN	07/15/21
M-101	SECOND FLOOR MECHANICAL DEMOLITION PLAN	07/15/21
M-102	THIRD FLOOR MECHANICAL DEMOLITION PLAN	07/15/21
M-200	BASMENT MECHANICAL PLAN	07/15/21
M-201	FIRST FLOOR MECHANICAL PLAN	07/15/21
M-202	SECOND FLOOR MECHANICAL PLAN	07/15/21
M-203	THIRD FLOOR MECHANICAL PLAN	07/15/21
M-204	SITE MECHANICAL PLAN	07/15/21
M-301	MECHANICAL DETAILS	07/15/21
M-302	MECHANICAL SCHEDULES	07/15/21
M-303	MECHANICAL SEVERITIES	07/15/21
P-200	PLUMBING DATA SHEET	07/15/21
P-201	BASMENT PLUMBING DEMOLITION PLAN	07/15/21
P-202	FIRST FLOOR PLUMBING DEMOLITION PLAN	07/15/21
P-203	SECOND FLOOR PLUMBING DEMOLITION PLAN	07/15/21
P-204	THIRD FLOOR PLUMBING PLAN	07/15/21
P-205	BASMENT PLUMBING PLAN	07/15/21
P-206	FIRST FLOOR PLUMBING PLAN	07/15/21
P-207	SECOND FLOOR PLUMBING PLAN	07/15/21
P-208	THIRD FLOOR PLUMBING PLAN	07/15/21
E-200	ELECTRICAL DATA SHEET	07/15/21
E-100	BASMENT ELECTRICAL DEMOLITION PLAN	07/15/21
E-101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	07/15/21
E-102	SECOND FLOOR ELECTRICAL DEMOLITION PLAN	07/15/21
E-103	THIRD FLOOR ELECTRICAL DEMOLITION PLAN	07/15/21
E-201	FIRST FLOOR LIGHTING PLAN	07/15/21
E-202	SECOND FLOOR LIGHTING PLAN	07/15/21
E-203	THIRD FLOOR LIGHTING PLAN	07/15/21
E-300	BASMENT POWER PLAN	07/15/21
E-301	FIRST FLOOR POWER PLAN	07/15/21
E-302	SECOND FLOOR POWER PLAN	07/15/21
E-303	THIRD FLOOR POWER PLAN	07/15/21
E-304	THIRD FLOOR POWER PLAN	07/15/21
E-401	FIRST FLOOR FIRE ALARM PLAN	07/15/21
E-402	SECOND FLOOR FIRE ALARM PLAN	07/15/21
E-501	ELECTRICAL DETAILS	07/15/21
E-502	ELECTRICAL SCHEDULES	07/15/21

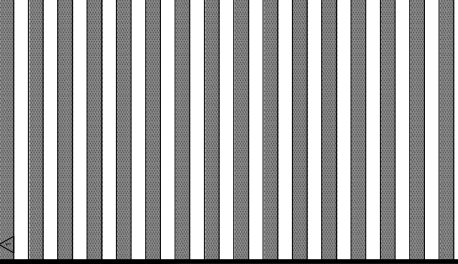


GERARD ASSOCIATES ARCHITECTS

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

FOR CONSTRUCTION

REVISIONS



PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB**

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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ARCHITECTURAL SITE PLAN	
DATE: 02/13/21	DWG NO: AC-101
REVISION: Δ	
DATE: 2015	
ISSUE DATE:	

EXISTING CONDITIONS SITE PLAN
TAKEN FROM NORTHERN
UNIVERSITY OF PITTSBURGH
SUFFICIENT CENTER DRAWINGS
PREPARED BY ARCHITECTURE LIBERTZ
AND ASSOCIATES, INC.
JANUARY 1998

EXISTING SITE PLAN
SCALE: 1/8"=1'-0"



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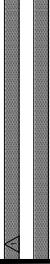
THE CONTRACTOR SHALL VERIFY ALL CONDITIONS OF WORK BEFORE BEGINNING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED BY THE ARCHITECT AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT. THE CONTRACTOR SHALL MAINTAIN ALL RECORDS AND SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND TESTING OF ALL MATERIALS.

BASEMENT FLOOR PLAN
 SCALE: 3/32"=1'-0"
 BUILDING AREA = 1,485 SF

FIRST FLOOR PLAN
 SCALE: 3/32"=1'-0"
 BUILDING AREA = 2,229 SF

SECOND FLOOR PLAN
 SCALE: 3/32"=1'-0"
 BUILDING AREA = 1,707 SF

THIRD FLOOR PLAN
 SCALE: 3/32"=1'-0"
 BUILDING AREA = 1,488 SF



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CODE SUMMARY

2035
 07/15/21
 G-002

2015 INTERNATIONAL EXISTING BUILDING CODE INFORMATION

CODE ITEM REFERENCE	BUILDING DESIGN	CODE ITEM REFERENCE	BUILDING DESIGN
CHAPTER 5 CLASIFICATION OF WORK	WORK SHALL BE CLASSIFIED AS REPAIRS (603.1 STRUCTURAL REPAIRS, ROOF REPAIRS, ALTERATION LEVEL 1 (603.1 ROOF REPAIRS), AND ALTERATION LEVEL 2 (604.1 REPAIRS OF EXISTING MECHANICAL AND ELECTRICAL SYSTEMS))	CHAPTER 5 ALTERATION - LEVEL 2	BUILDING DESIGN
602	NEW STRUCTURAL REPAIRS SHALL BE CONSISTENT WITH THE REQUIREMENTS OF THE IBC 2015. EXISTING MATERIALS WHICH CREATE AND UNSAFE OR DANGEROUS CONDITION SHALL BE REMOVED.	801	ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2015. NO ALTERATION IS PROPOSED TO THE EXISTING OCCUPANCY AND USE.
603	THE EXISTING LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED - NO CHANGE.	802	NO ALTERATION TO THE EXISTING BUILDING VERTICAL OPENINGS IS PROPOSED.
604	THE EXISTING MEANS OF EGRESS SHALL BE MAINTAINED - NO CHANGE.	802.2	SMOKE COMPARTMENT CONSTRUCTION DOES NOT COMPLY.
605	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE.	803	NEW INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC 2015.
606	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 SIZE OF THE STRUCTURE'S FLOOR.	803.4	NO NEW CONSTRUCTION AFFECTING GUARDS IS PROPOSED.
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.
701	ALL NEW WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC, IBC, IBC, AND IBC.	806	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE. PROPOSED REPAIRS SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. THE BUILDING INCLUDING ALL EXISTING ACCESSIBLE ROUTE SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. NEW ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70.
702	THE EXISTING LEVEL OF FIRE PROTECTION SHALL BE MAINTAINED - NO CHANGE.	807	ALTERED EXISTING SYSTEMS SHALL COMPLY TO PROVIDE MANDATED VENTILATION.
703	THE EXISTING MEANS OF EGRESS SHALL BE MAINTAINED - NO CHANGE.	808	PLUMBING WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC.
704	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE. PROPOSED REPAIRS SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. THE BUILDING INCLUDING ALL EXISTING ACCESSIBLE ROUTE SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. NEW ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70.	809	NEW SYSTEMS SHALL COMPLY WITH THE IBC.
705	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE. PROPOSED REPAIRS SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. THE BUILDING INCLUDING ALL EXISTING ACCESSIBLE ROUTE SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. NEW ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70.	810	ALL WORK SHALL COMPLY WITH THE CONSTRUCTION SAFEGUARDS OF THIS CHAPTER.
706	THE EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED - NO CHANGE. PROPOSED REPAIRS SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. THE BUILDING INCLUDING ALL EXISTING ACCESSIBLE ROUTE SHALL BE MAINTAINED - NO CHANGE. PROPOSED STRUCTURAL REPAIRS SHALL BE MAINTAINED - NO CHANGE. NEW ELECTRICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70.	CHAPTER 15 CONSTRUCTION SAFEGUARDS	
706.1	EXISTING STRUCTURAL ROOF COMPONENTS ARE CAPABLE OF SUPPORTING THE NEW ROOF COVERING.	809.2	
706.2	ROOF REPAIRS SHALL BE MAINTAINED - NO CHANGE.		
706.3	NO COMBUSTIBLE, CONCEALED SPACE IS PROPOSED.		
706.4	NO COMBUSTIBLE, CONCEALED SPACE IS PROPOSED.		
706.5	NO RENOVATION OF MATERIALS IS PROPOSED.		
706.6	NEW FLASHINGS SHALL COMPLY WITH THIS SECTION.		
707	NO STRUCTURAL WORK SHALL BE MAINTAINED IN ACCORDANCE WITH THIS SECTION IS PROPOSED.		
708	NO WORK ALTERING THE ENERGY CONSERVATION OR CONSUMPTION IN ACCORDANCE WITH THIS SECTION IS PROPOSED.		

FOR CONSTRUCTION

REVISIONS



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HACP TASK ORDER #35
DEVELOPMENT &
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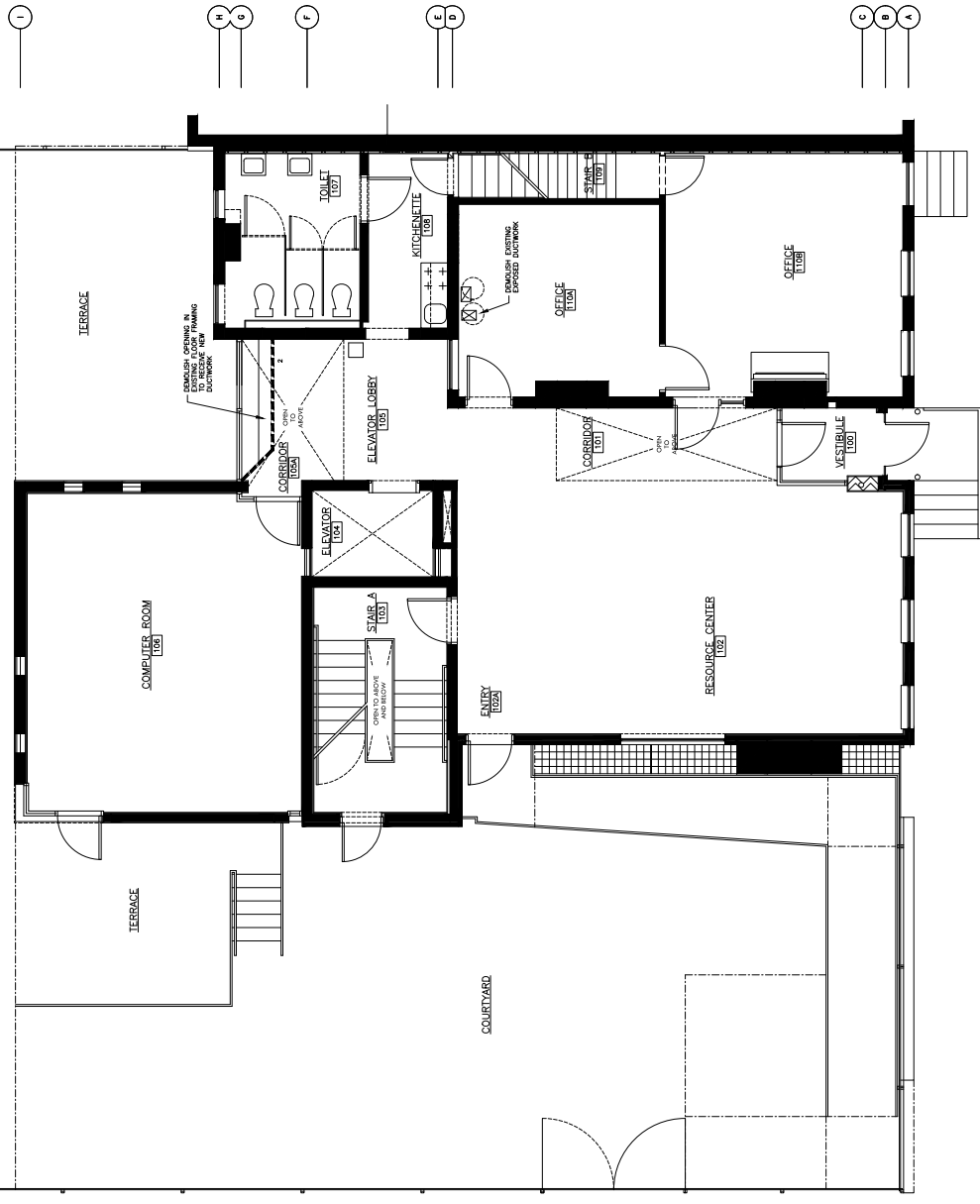
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DATE: 02/13/21
PROJECT NO.: 2015
**FIRST FLOOR
DEMOLITION PLAN**

DWG NO. **D-101**



FIRST FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0"

- DEMOLITION GENERAL NOTES:
- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE CONTRACT DOCUMENTS AND SUBMITTALS. DEMOLITION SHALL INCLUDE ALL MECHANICAL AND ELECTRICAL WORK, INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
 - 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO REMOVE EXISTING CONDITIONS AS SHOWN. DEMOLITION SHALL BE DEMOLISHED IN THEIR ENTIRETY. MECHANICAL AND ELECTRICAL SHALL BE DEMOLISHED TO BASE OF CEILING OR AS SHOWN ON CONTRACT DOCUMENTS.
 - 3.) WHERE TEMPORARY DEMOLITION OF A SYSTEM IS SCHEDULED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING EXISTING CONDITIONS.
 - 4.) WHERE NEW FLOORING IS SCHEDULED TO REMAIN AS SHOWN ON CONTRACT DOCUMENTS, EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.



FOR CONSTRUCTION

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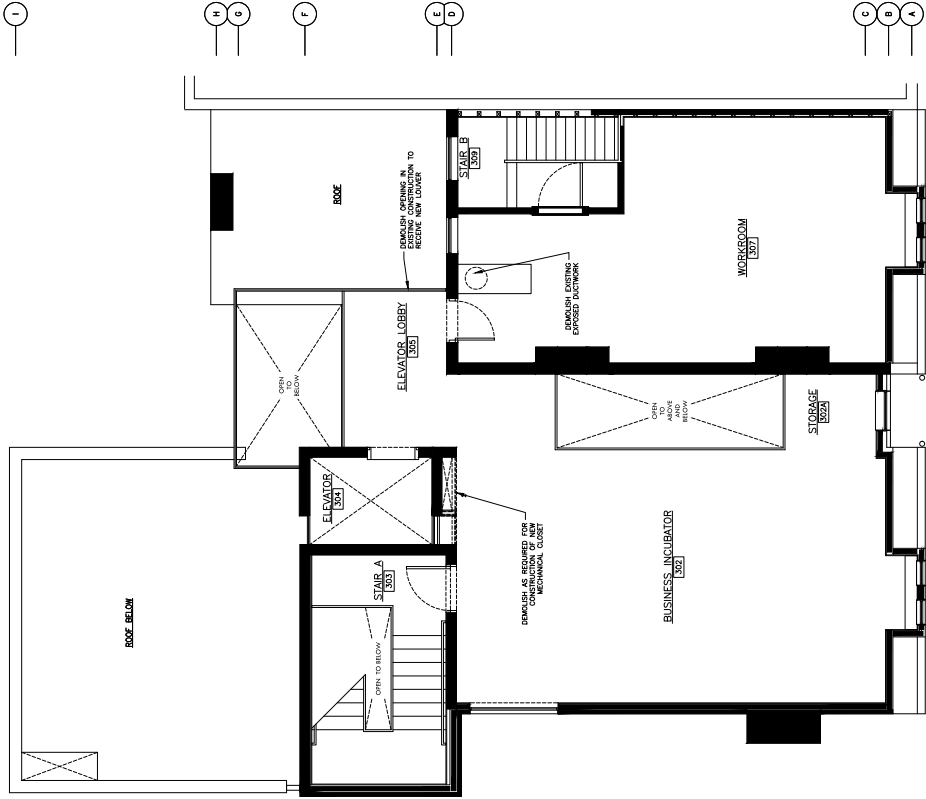
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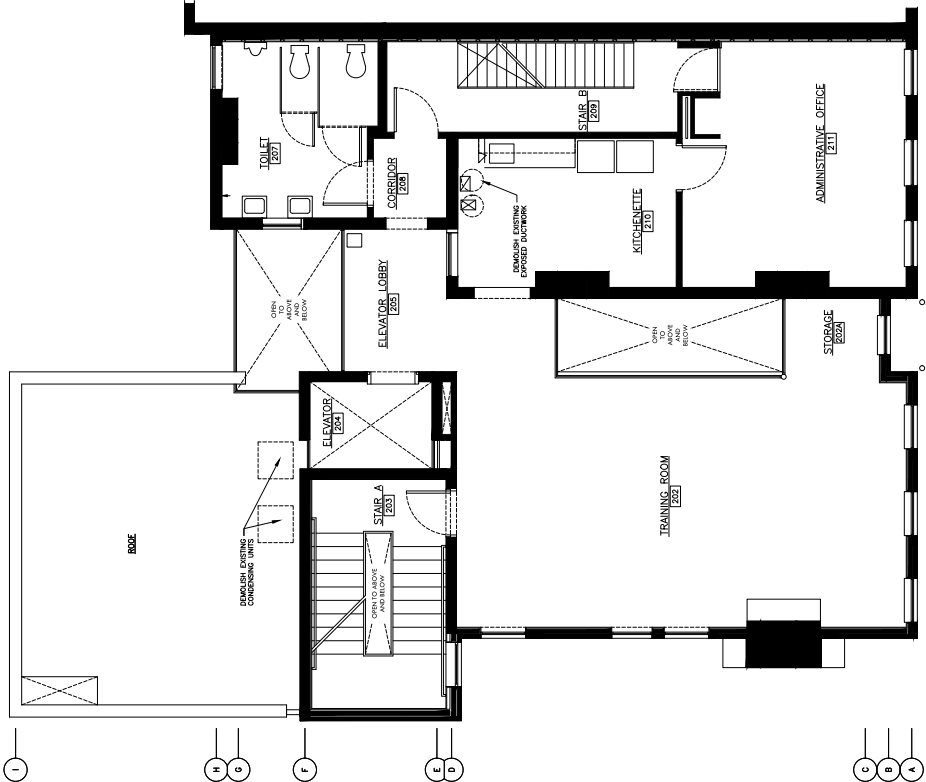
DATE: 02/13/21
DRAWING NO.: D-102



THIRD FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0"



- DEMOLITION GENERAL NOTES:
- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE OF WORK. DEMOLITION SHALL BE SHOWN IN RED ON ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
 - 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO COMPLETE THE WORK. SYSTEMS AND ELEMENTS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
 - 3.) WHERE TEMPORARY DEMOLITION OF A SYSTEM IS REQUIRED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.



SECOND FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0"



- DEMOLITION GENERAL NOTES:
- 1.) GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION WITH COMPLETE SCOPE OF WORK. DEMOLITION SHALL BE SHOWN IN RED ON ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
 - 2.) WHERE DEMOLITION IS SHOWN, DEMOLITION SHALL BE AS NECESSARY TO COMPLETE THE WORK. SYSTEMS AND ELEMENTS SHALL BE DEMOLISHED IN THEIR ENTIRETY.
 - 3.) WHERE TEMPORARY DEMOLITION OF A SYSTEM IS REQUIRED TO REMAIN IS NECESSARY, THE WORK SHALL BE PATCHED TO MATCH SURROUNDING EXISTING FLOORING AND BASE SHALL BE DEMOLISHED.

FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION
1	07/15/21	ISSUED FOR PERMITS

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND NOTED BY THE CONTRACTOR AT THE TIME OF PERMITS AND BEFORE COMMENCEMENT OF WORK.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF ALL EXISTING CONDITIONS AT THE TIME OF PERMITS AND BEFORE COMMENCEMENT OF WORK.

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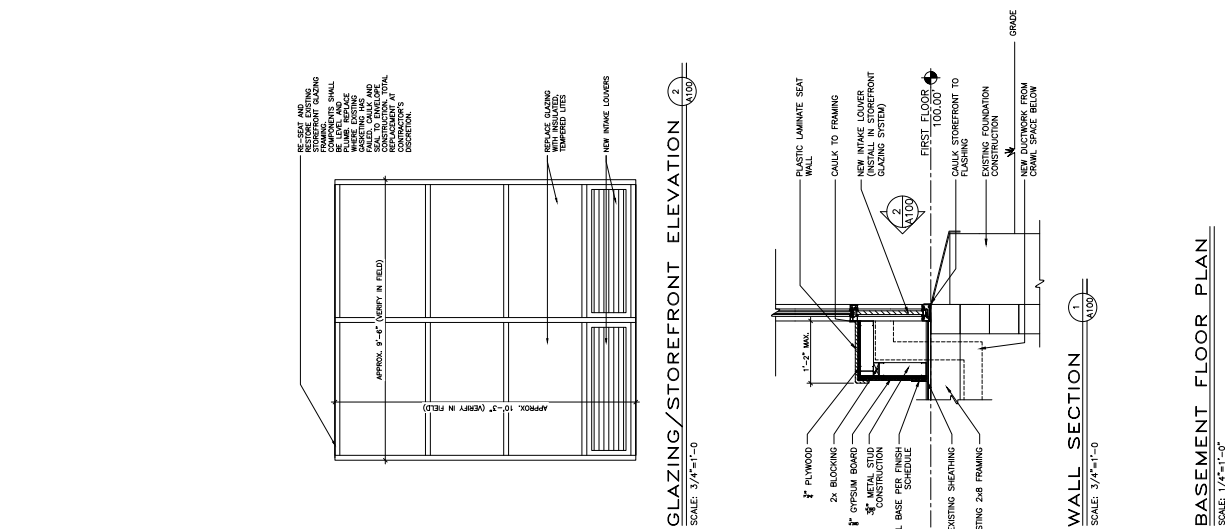
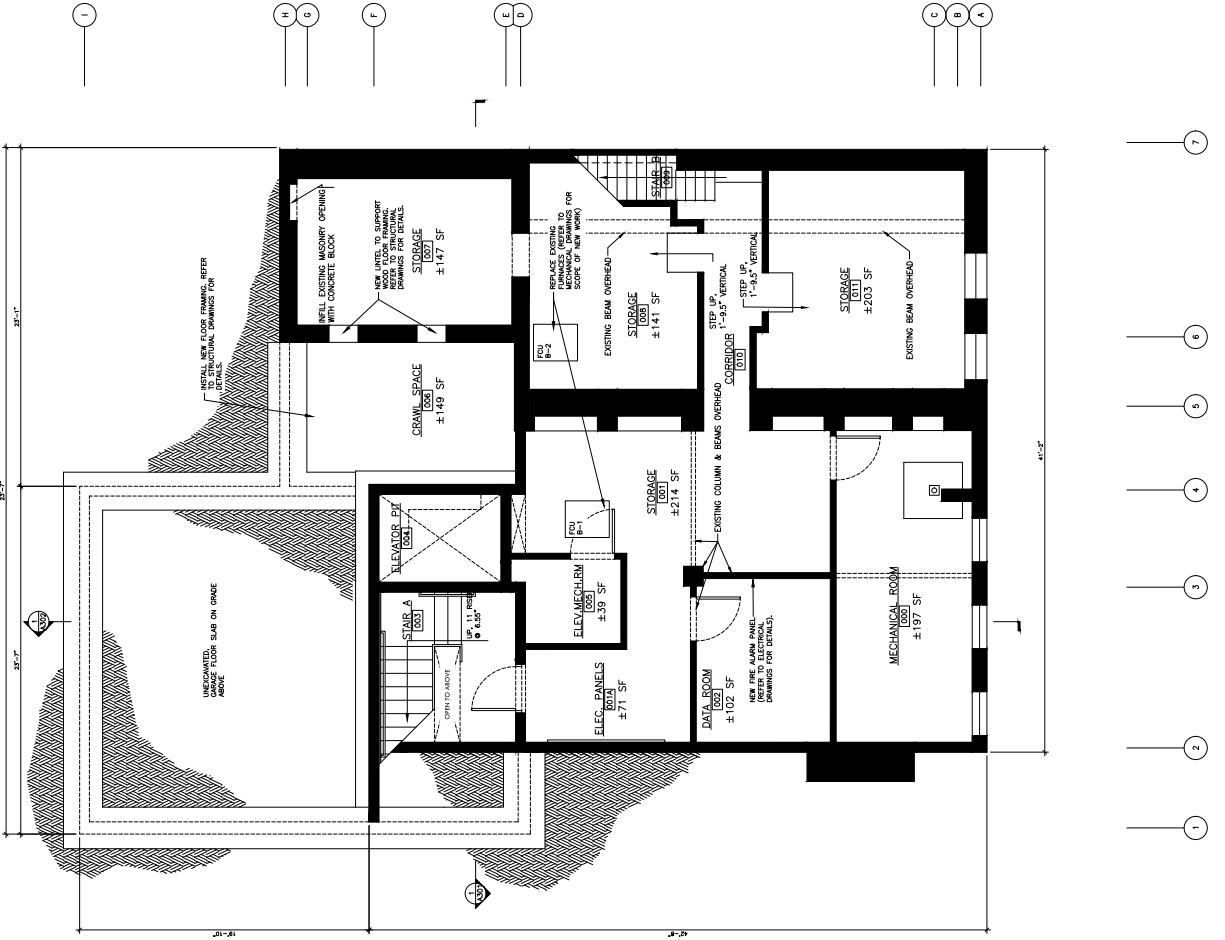
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BASEMENT PLAN
 SHEET NO. **A-100**
 DATE **07/15/21**



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

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

BASEMENT FLOOR PLAN
 SCALE: 1/4"=1'-0"



FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION



PROPERTY REHABILITATION FOR:
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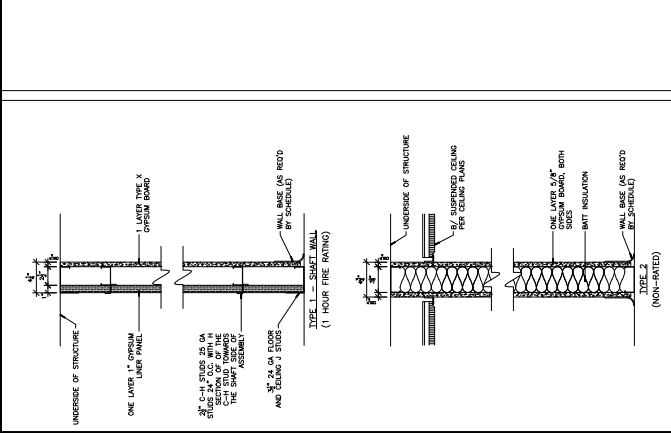
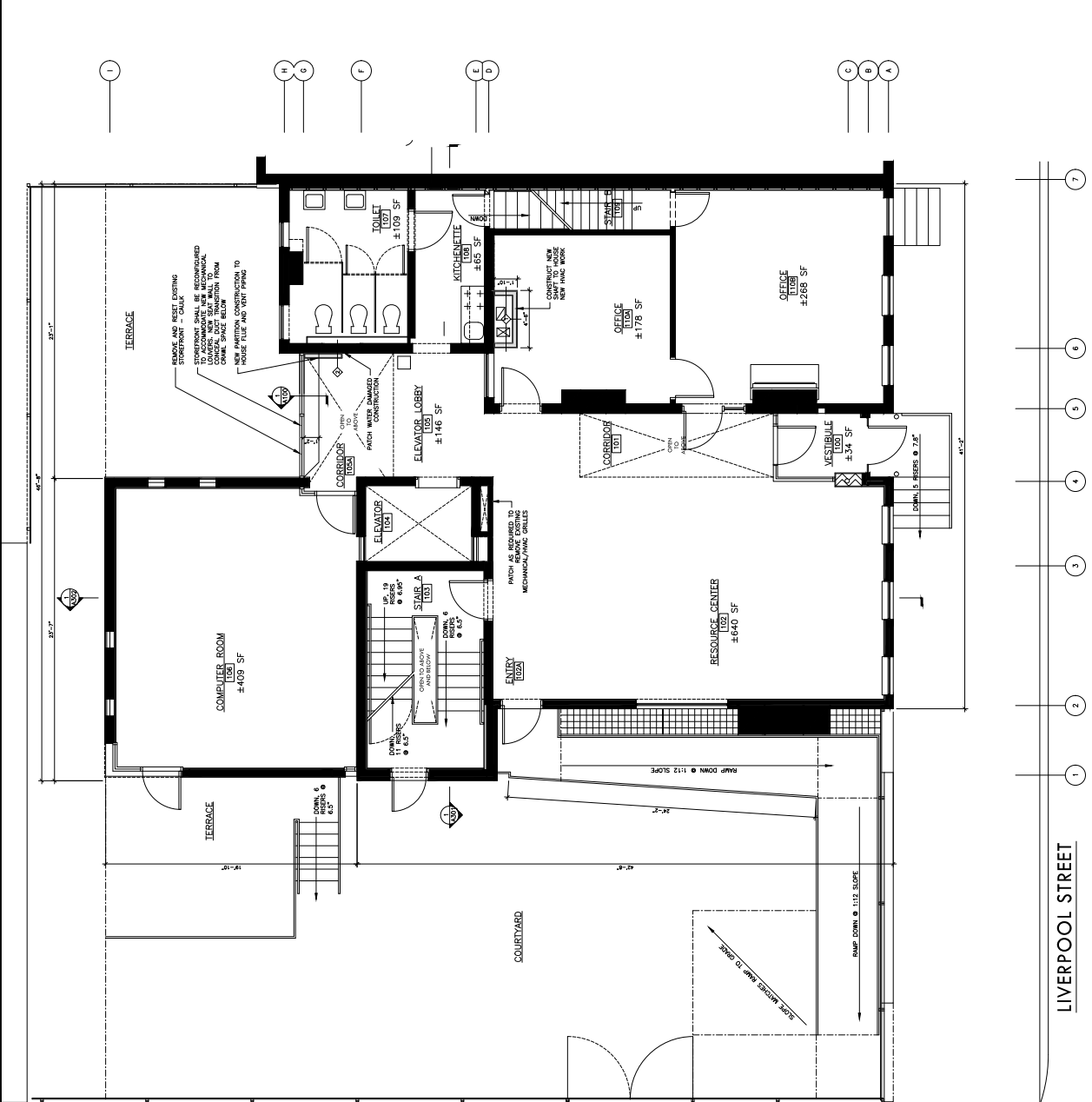
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FIRST FLOOR PLAN

DATE: 03/15/21	REVISION: Δ	DWG NO.: A-101
ISSUE DATE: 02/15/21		



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

LIVERPOOL STREET

SEDGWICK STREET

FIRST FLOOR PLAN
 SCALE: 1/4"=1'-0"



FOR CONSTRUCTION

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REVISIONS

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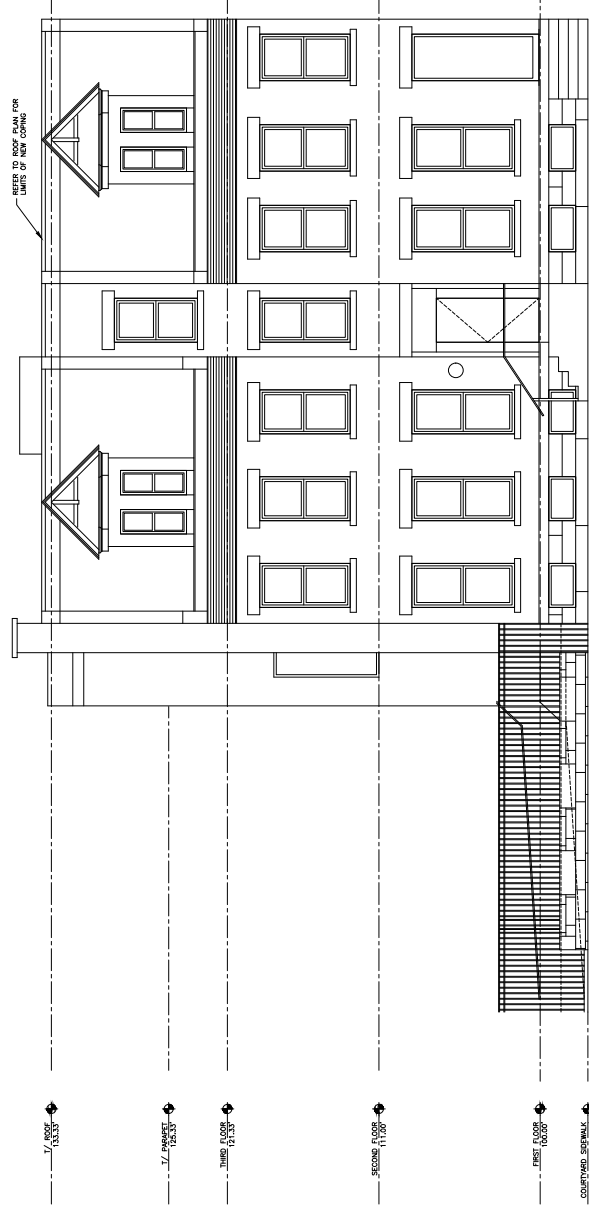
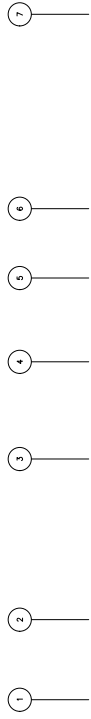
DRAWING DATE

NORTH ELEVATION

DATE NO. 02/13/21

Δ

A-201



- 1/7 ELEVATOR PORCH 15/23/23
- 1/7 ROOF 15/23/23
- 1/7 PORCH 15/23/23
- 1/7 ROOF 15/23/23
- SECOND FLOOR 11/20/20
- FIRST FLOOR 10/20/20
- CONCRETE TERRACE 8/21/21

NORTH ELEVATION

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

FOR CONSTRUCTION

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REVISIONS

Table with 3 columns: No., Description, Date. The table is currently empty.



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233

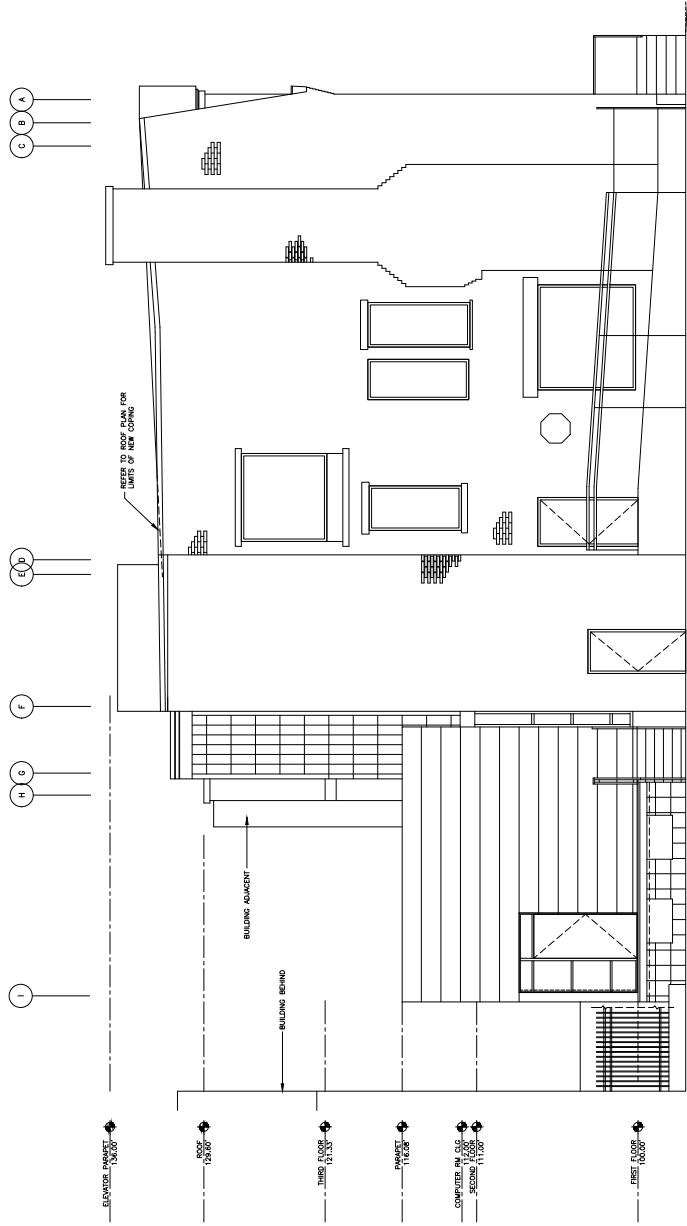


GERARD
ASSOCIATES ARCHITECTS
410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING DATE

EAST ELEVATION

Table with 3 columns: DRAWING NO., REVISION NO., DATE. Row 1: 2015, 1, 02/13/21. Row 2: A-202, 1, 02/13/21.



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

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REVISIONS



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**HACP TASK ORDER #35
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 REHAB**

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 BUILDING #35
 PITTSBURGH, PA 15233

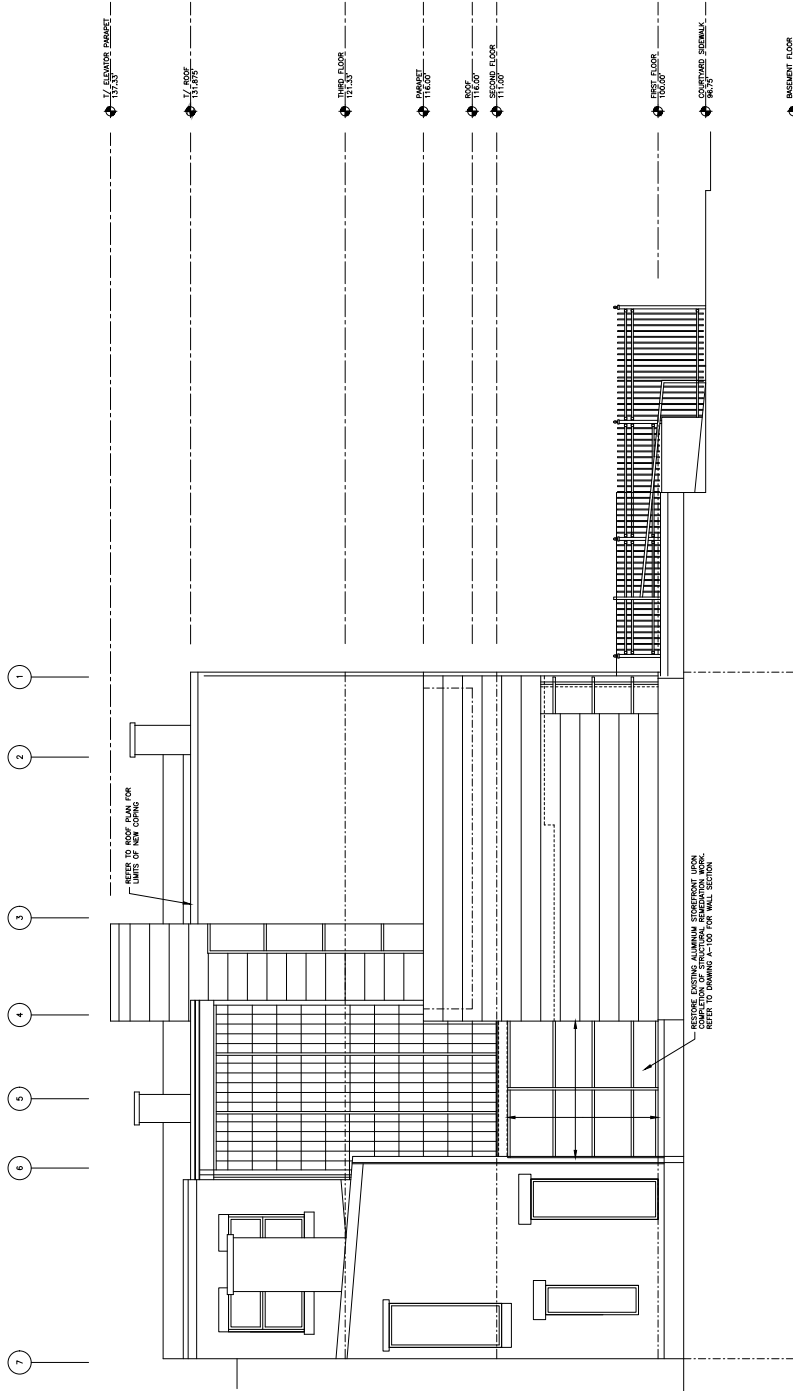


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 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

DRAWING DATE

SOUTH ELEVATION

DATE 2015	REVISION Δ	DWG NO. A-203
ISSUE DATE 02/13/21		



SOUTH ELEVATION

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

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REVISIONS

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REHAB

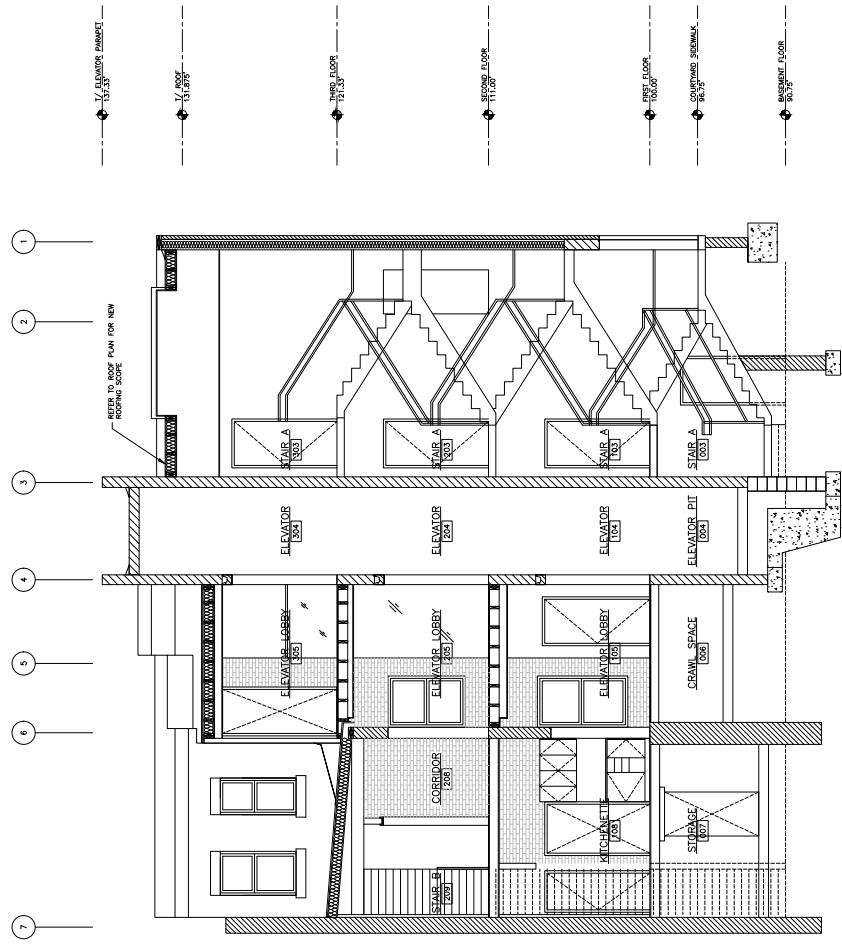
1205 LIVERPOOL STREET
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BUILDING SECTIONS

DATE: 02/15/21	REVISION NO. Δ	DWG NO. A-301
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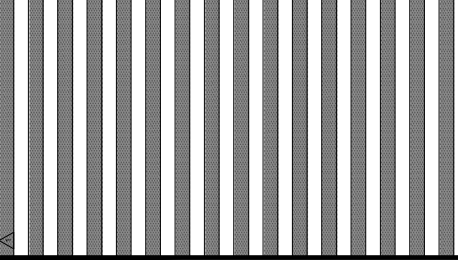


BUILDING SECTIONS
 SCALE: 1/4"=1'-0"

FOR CONSTRUCTION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND NOTED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND NOTED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION.

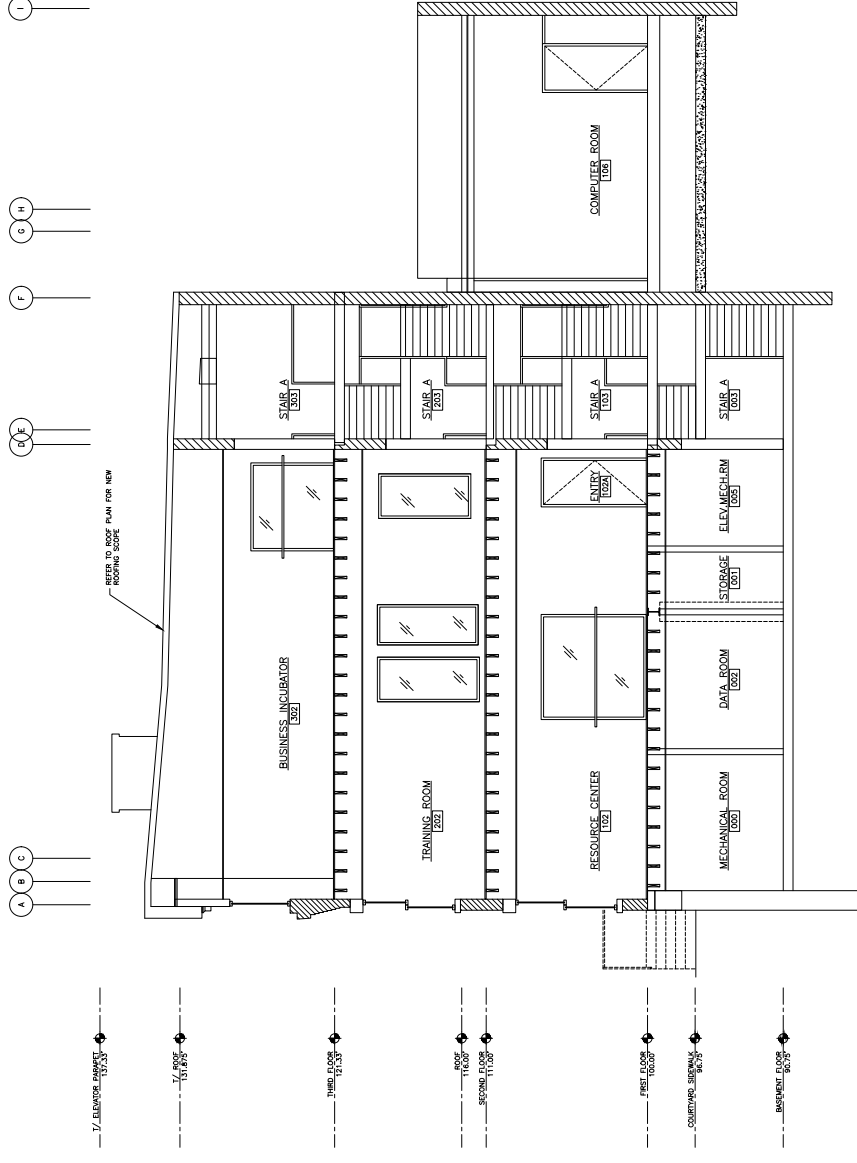
REVISIONS



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

BUILDING SECTIONS	
DATE: 03/15/21	DWG NO: A-302
REVISION: Δ	
DATE: 07/15/21	



- 1/2 ELEVATOR SHAFTS 1001/2
- 1/2 ROOF 1002/2
- MAIN FLOOR 1003/2
- ROOF 1004/2
- SECOND FLOOR 1005/2
- FIRST FLOOR 1006/2
- COURTYARD SIDEWALKS 1007/2
- MECHANICAL ROOMS 1008/2

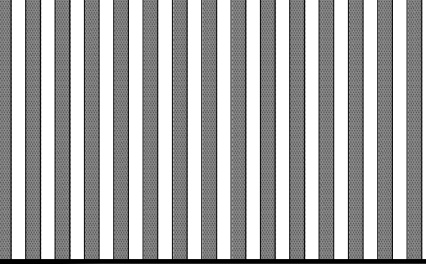
BUILDING SECTIONS
 SCALE: 1/4" = 1'-0"

FOR CONSTRUCTION

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS SHOWN ON THIS DRAWING AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. ALL DIMENSIONS AND FINISH CONDITIONS SHALL BE CHECKED AND NOTED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION.

REVISIONS

NO.	DATE	DESCRIPTION
1	07/15/21	ISSUED FOR PERMIT



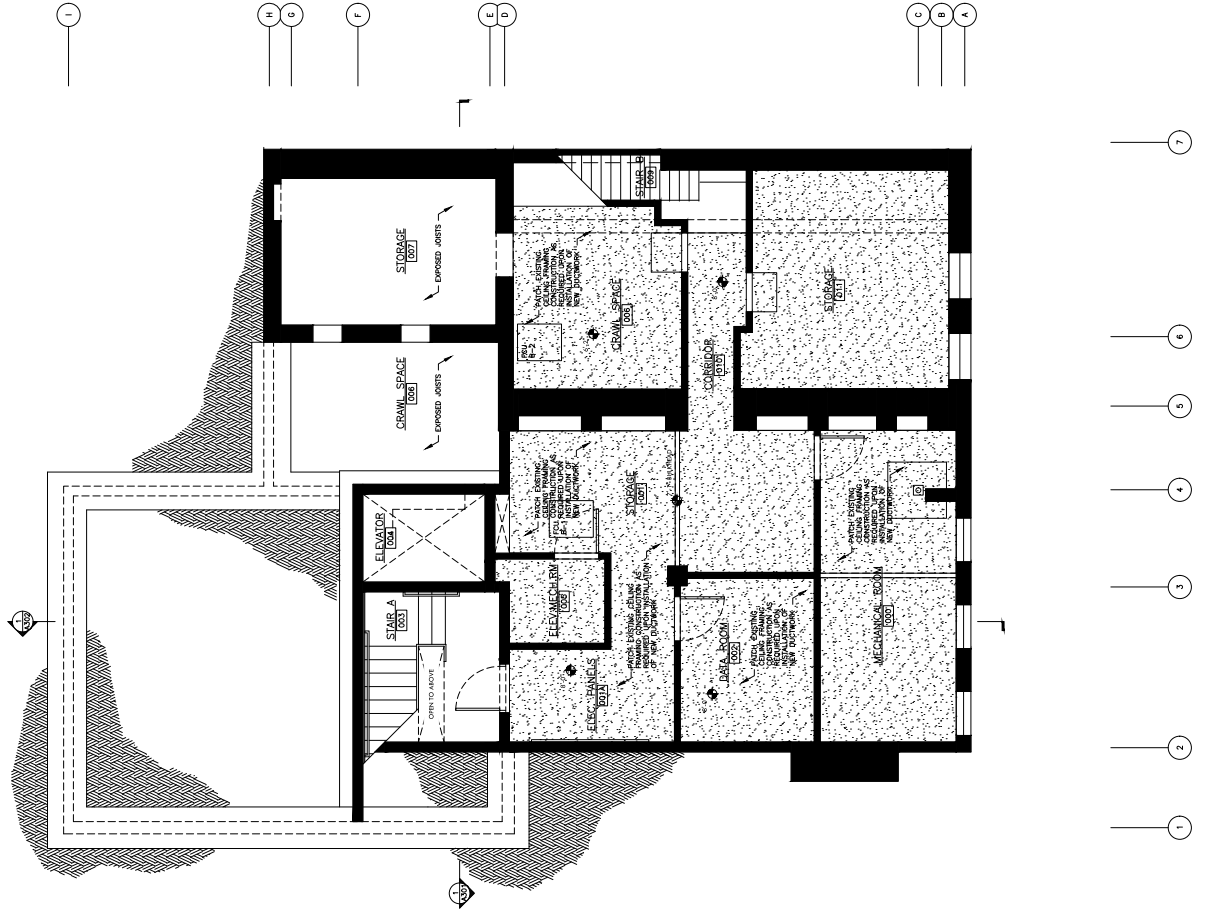
PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
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1205 LIVERPOOL STREET
 BUILDING #35
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 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT REFLECTED
CEILING PLAN

DATE: 07/15/21
 DRAWING NO.: A-400



BASEMENT REFLECTED CEILING PLAN
 SCALE: 1/4"=1'-0"

GENERAL NOTES:

- 1.) CONTRACTOR SHALL VERIFY ALL CONDITIONS SHOWN ON THIS DRAWING AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY.
- 2.) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.



FOR CONSTRUCTION

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CONDITIONS OF WORK AS SHOWN ON THE DRAWINGS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

REVISIONS

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3	02/15/21	ISSUED FOR PERMIT
4	02/15/21	ISSUED FOR PERMIT
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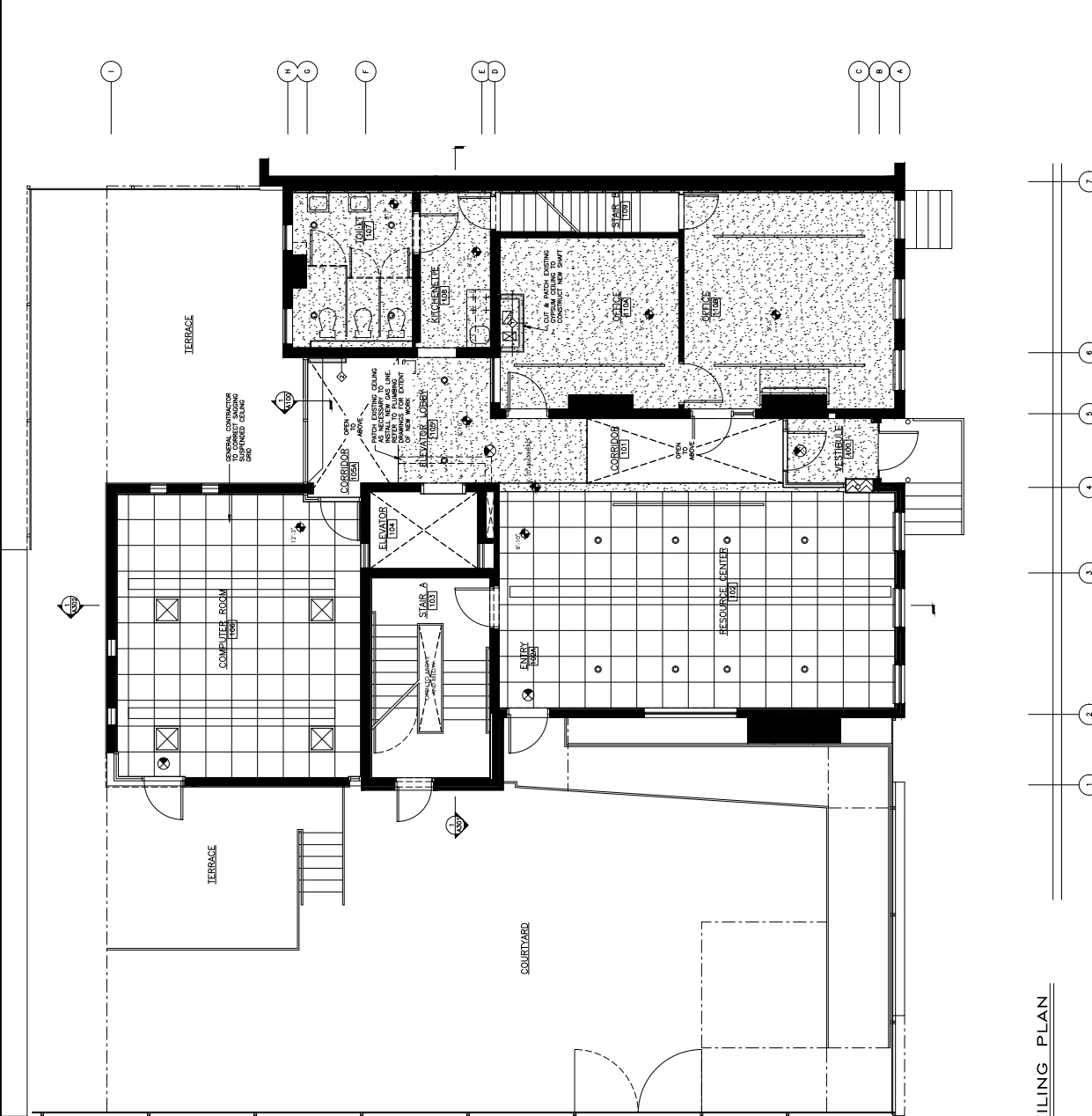
PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
 DEVELOPMENT &
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 BUILDING #35
 PITTSBURGH, PA 15233



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

DATE: 02/15/21	REVISION: 1	DWG NO.: A-401
TITLE: FIRST FLOOR REFLECTED CEILING PLAN	DATE: 02/15/21	



FIRST FLOOR REFLECTED CEILING PLAN

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

GENERAL NOTES:

1. ALL WORKMANSHIP SHALL ACCORDANT ALL CEILING WORK WITH THE COMPLETE SCOPE OF WORK AS SHOWN ON THE FULL SET OF CONSTRUCTION DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
2. ALL WORKMANSHIP SHALL BE SECURED UPON INSTALLATION OF NEW WORK. EXISTING CEILING CONSTRUCTION SHALL BE PATCHED TO MATCH.



FOR CONSTRUCTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

REVISIONS

NO.	DESCRIPTION	DATE



PROPERTY REHABILITATION FOR:
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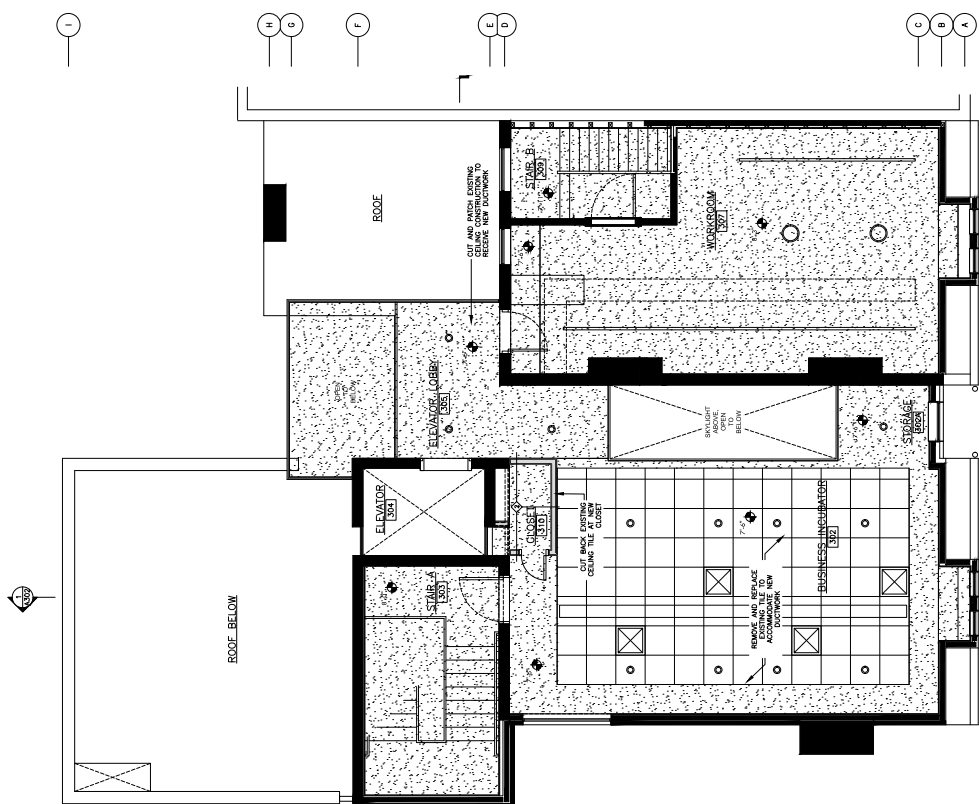
1205 LIVERPOOL STREET
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410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-266-1531 FAX: 412-566-1532

DATE: 07/15/21
DRAWING NO.: A-402

PROJECT: HACP TASK ORDER #35
REVISION: 02/15/21

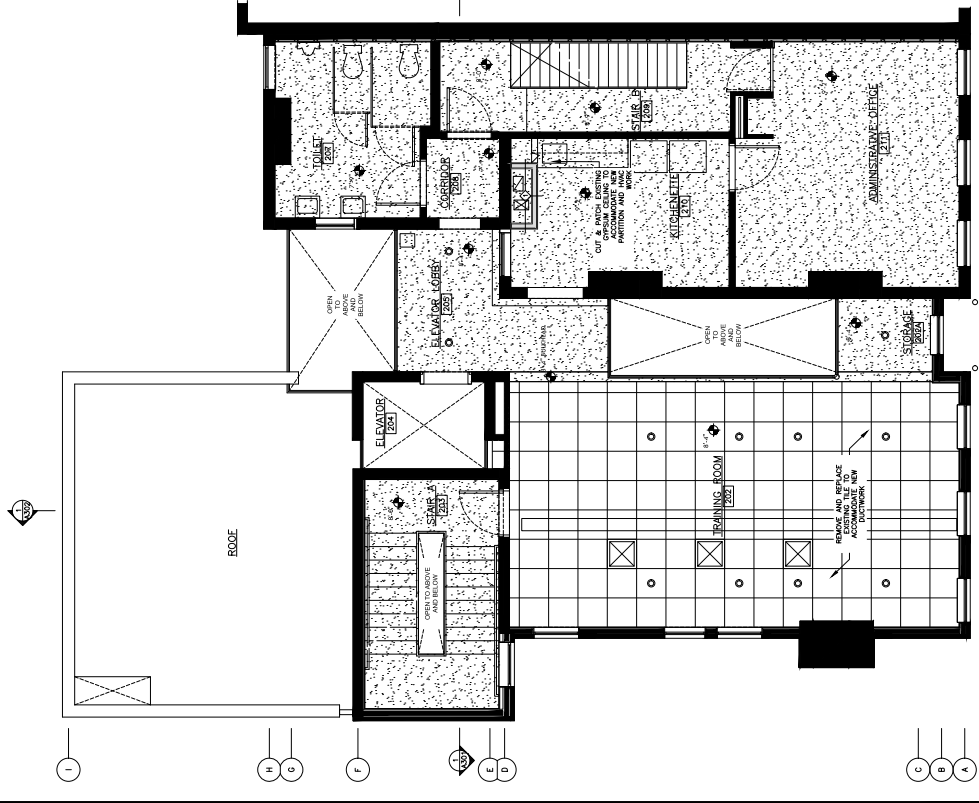


THIRD FLOOR REFLECTED CEILING PLAN

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

GENERAL NOTES:

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



SECOND FLOOR REFLECTED CEILING PLAN

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

GENERAL NOTES:

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

FOR CONSTRUCTION

REVISIONS

Table with columns for revision number, date, and description. Includes notes about construction conditions and coordination.

Table with columns for revision number, date, and description.

Table with columns for revision number, date, and description.

Table with columns for revision number, date, and description.



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
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REHAB

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



GERA ASSOCIATES ARCHITECTS
410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1533

FINISH SCHEDULE

REVISION NO. 2015



A-602

DATE 02/15/21

FINISH SCHEDULE

Main table with columns: ROOM NUMBER, ROOM NAME, FLOOR, WALLS, CEILING, CEILING HEIGHT, SPECIAL REQUIREMENTS, REMARKS. Contains detailed scheduling and remarks for various rooms like Mechanical Room, Restroom, etc.

Grid area for drawing or additional notes, mostly blank.

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 RFI for clarification.
- 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 drawings. Significant changes to existing building information may not necessarily reflect actual conditions. The Contractor shall 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 use condition. Temporary bracing, shoring, strutting, etc., required to ensure the safe erection and construction of the structure, shall be designed by the Contractor's responsibility and shall be designed by a Registered Professional Engineer (P.E.) in the state of Pennsylvania. Contractor shall be responsible to provide and install any necessary temporary bracing and shoring upon award of contract.
- 1.7 Information obtained on the field copy of this drawing retained by Keystone Structural Solutions controls over variations 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 service and shall remain the property of KSS. The documents are provided for the sole use of the Contractor for the project as shown on others on drawings of this project or on any other project.

2.0 DESIGN CRITERIA

- 2.1 Design Codes:
 - a. AISI S310-05
 - b. NDS-2005
 - c. PA Uniform Construction Code (UCC)
- 2.2 Live Loads:
 - a. Common Area 100 psf

3.0 STRUCTURAL WOOD

- 3.1 Design, fabrication and construction of wood framing shall conform to:
 - a. "Timber Construction Manual", latest edition, as adopted by the American Institute of Timber Construction (AITC), including the Code of Standard Practice, AITC 118;
 - b. "Wood Construction Manual", 9th Edition, published by the International Code Council, Inc. (ICC), 2001, 2nd printing, latest edition;
 - c. Design Specifications for Metal Plate Connected Wood Trusses (TTC-301);
 - d. Commentary & Recommendations for Handling, Installing and Bracing Metal Plate Connected Wood Trusses (TPH-B-91).
- 3.2 Sawm lumber shall be Species-Proof (SPF), No. 2 or better, graded in accordance with the NFPA National Design Specification with the following base design values:
 - a. Fb=975 psi (bending - single member use)
 - b. Ft=1450 psi (tension parallel to grain)
 - c. Fc=2800 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 Lulea (Parallel) or equal with the following base design values:
 - a. Fb=2900 psi (bending)
 - b. Ft=1450 psi (tension)
 - c. Fc=2800 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 these 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, strapping and similar concealed members in contact with masonry or concrete shall be preservative treated by pressure process in accordance with ANPA UGZ.

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REVISIONS

NO.	DESCRIPTION	DATE



PROPERTY REHABILITATION FOR:
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1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233

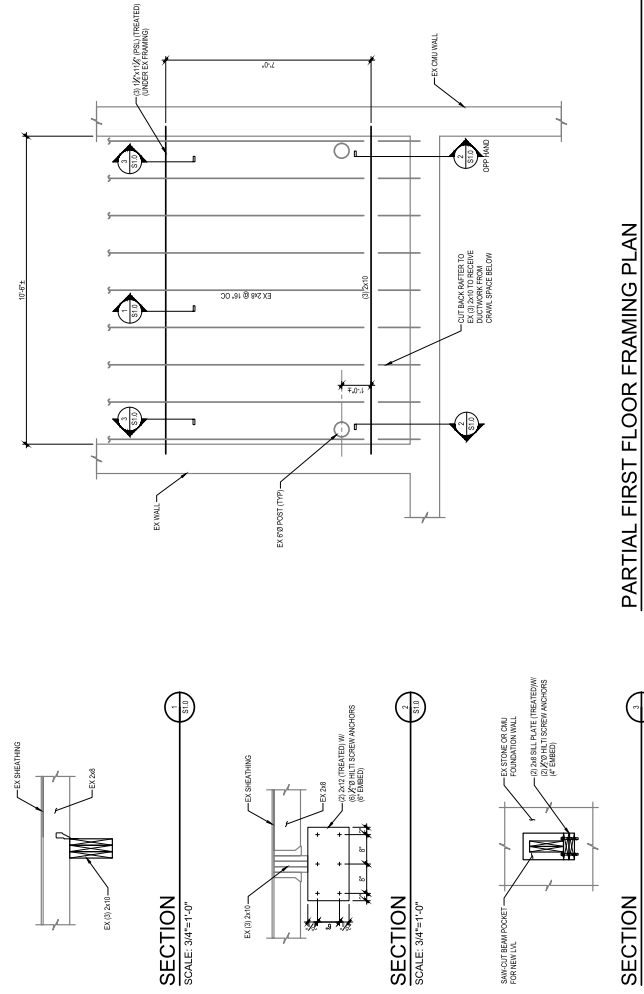


GERARD
ASSOCIATES ARCHITECTS
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

KEYSTONE SOLUTIONS
 PARTIAL FIRST FLOOR FRAMING PLAN,
 SECTIONS & GENERAL NOTES

DATE: 02/15/21
 REVISED DATE: 02/15/21
 DRAWING NO.: 2005
 SHEET NO.: 02/15/21

NO. **\$1.0**



PARTIAL FIRST FLOOR FRAMING PLAN
 SCALE 1/2" = 1'-0"
 NOTE

Keystone Structural
 CONSULTING ENGINEERS
 810 Perry Highway
 Pittsburgh, PA 15207
 Phone: 412.260.9099
 Fax: 412.260.0961
 www.keystonestructural.com
 02588

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REVISIONS

NO.	DESCRIPTION
1	

NO.	DESCRIPTION
1	

NO.	DESCRIPTION
1	

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



PROPERTY REHABILITATION FOR:

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

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

MECHANICAL DATA SHEET

DATE: 02/15/2021	PROJECT NO: M-001
DWG NO: 11	REVISION NO: 1

MECHANICAL ABBREVIATIONS	DESCRIPTION
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MBH	1000-BRITISH THERMAL UNITS
KV	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
DRWB	DRY BULB / WET BULB
IN. W.G.	INCHES WATER GAUGE (AIR)
FT. W.G.	FEET WATER GAUGE (HYDRAONIC)
E.S.P.	EXTERNAL STATIC PRESSURE
T.S.P.	TOTAL STATIC PRESSURE
TG	TRANSFER GRILLE
TR	TOP REGISTER
(E)	EXISTING
RI/R	REMOVE EXISTING ITEM & RELOCATE TO NEW LOCATION
UNO	UNLESS NOTED OTHERWISE
NTS	NOT TO SCALE
INC	NOT IN CONTRACT
Ø	DIAMETER
Ø	DIAMETER
AFT	ABOVE FINISHED FLOOR
ELEV.	ELEVATION FROM DATUM

MECHANICAL PIPING SYMBOLS LEGEND	SYMBOL	DESCRIPTION
HVS	HEATING WATER SUPPLY PIPING	
HWR	HEATING WATER RETURN PIPING	
CVS	CONDENSATE WATER SUPPLY PIPING	
CWR	CONDENSATE WATER RETURN PIPING	
CHWS	CHILLED WATER SUPPLY PIPING	
CHWR	CHILLED WATER RETURN PIPING	
G	NATURAL GAS PIPING	
D	CONDENSATE DRAIN PIPING	
R	REFRIGERANT PIPING	
LPS	LOW PRESSURE STEAM SUPPLY PIPING (Ø 1/2 PSIG)	
MPS	MEDIUM PRESSURE STEAM SUPPLY PIPING (16-60 PSIG)	
HPS	HIGH PRESSURE STEAM SUPPLY PIPING (Ø 1 TO 200 PSIG)	
LPR	LOW PRESSURE STEAM CONDENSATE RETURN	
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN	
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN	
PC	RAMPED STEAM CONDENSATE	
V	VENT PIPING	
CV	CITY CONCRETO WATER	
FDS	FUEL OIL SUPPLY PIPING	
FOR	FUEL OIL RETURN PIPING	
OR	ELBOW TURNED UP	
OR	ELBOW TURNED DOWN	
OR	BOTTOM PIPE CONNECTION	
OR	TOP PIPE CONNECTION	
OR	PIPING CAP	
OR	UNION	
OR	FLANGED CONNECTION	
OR	CONCENTRIC PIPE REDUCER	
OR	ECCENTRIC PIPE REDUCER	
OR	FLOW ARROW	
BV	BALL VALVE	
BFV	BUTTERFLY VALVE	
PV	PISTON VALVE	
GV	GATE VALVE	
GBV	GLOBE VALVE	
CV	CHECK VALVE	
CV	2-WAY CONTROL VALVE	
CV	3-WAY CONTROL VALVE	
CV	CIRCUIT SETTER (BALANCING VALVE)	
CV	STRAINER (W/ BALL VALVE AND CAP)	
CV	BACKFLOW PREVENTER	
CV	PRESSURE REGULATING VALVE	
CV	PRESSURE RELIEF VALVE	
CV	TRIPLE DUTY VALVE WITH MEASURING CONNECTIONS	
CV	PRESSURE GAGE W/ SHUT-OFF	
CV	FLEXIBLE CONNECTION	
CV	AUTOMATIC AIR VENT	
CV	HOSE BIB	

MECHANICAL DUCTWORK & GENERAL SYMBOLS LEGEND	SYMBOL	DESCRIPTION
XTR	EXISTING EQUIPMENT OR DUCTWORK TO REMAIN	
RX	EXISTING EQUIPMENT OR DUCTWORK TO BE REMOVED	
NEW	NEW EQUIPMENT OR DUCTWORK	
LINED	LINED DUCTWORK	
SUPPLY	SUPPLY DUCT WORK	
RETURN	RETURN EXHAUST DUCT UP	
RETURN	RETURN EXHAUST DUCT DOWN	
ROUND	ROUND DUCT ELBOW DOWN	
ROUND	ROUND DUCT WITH TURNING VANES	
DUCT	DUCT OFFSET UP	
DUCT	DUCT OFFSET DOWN	
SQUARE	SQUARE / RECTANGULAR DUCT TRANSITION	
SQUARE	SQUARE/RECTANGULAR TO ROUND DUCT TRANSITION	
CD	CEILING DEFUSER - RECTANGULAR - MULTIDIRECT	
SO	SUPPLY DEFUSER - RECTANGULAR - MULTIDIRECT	
SO	SPECIAL SUPPLY OF RETURN GRILLE - (R - REGISTER)	
LD	LINEAR DEFUSER - SEE SCHEDULE FOR INFORMATION	
RO	RETURN G EXHAUST GRILLE - (R - REGISTER)	
FLEX	FLEXIBLE DUCT	
VD	VOLUME CONTROL DAMPER	
BDD	BACKDRAFT DAMPER	
MD	MOTORIZED DAMPER	
HD	HORIZONTAL FIRE DAMPER (WALL)	
SD	VERTICAL FIRE DAMPER (FLOOR)	
HSO	HORIZONTAL SMOKE DAMPER (FLOOR)	
FSO	COMBINATION VERTICAL FIRE & SMOKE DAMPER	
SD	DUCT SMOKE DETECTOR	
TH	THERMOSTAT	
HS	HUMIDISTAT	
PS	STATIC PRESSURE SENSOR	
CS	CARBON DIOXIDE SENSOR	
MS	CARBON MONOXIDE SENSOR	
ED	EQUIPMENT UNIT DESIGNATION	
LD	DIFFUSER - REGISTER & GRILLE UNIT DESIGNATION W/ CFM	
LD	UNGER DOOR	
LD	LOUVERED DOOR	
LD	CONNECTION POINT - NEW TO EXISTING	
LD	DISCONNECTION POINT	
LD	DRAWING KEYNOTE	
LD	DEMOLITION DRAWING KEYNOTE	
LD	REVISION NUMBER	
LD	RETURN OR EXHAUST AIR	
LD	SUPPLY OR OUTSIDE AIR	

GENERAL MECHANICAL NOTES (ALL DRAWINGS):

- MECHANICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND SYSTEMS ALL INDICATED ON THE DRAWINGS, AS SPECIFIED AND REQUIRED BY CODE.
- THE CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC ONLY, AND ARE INTENDED TO CONVEY THE SCOPE AND GENERAL ARRANGEMENT OF WORK. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON THE DATE OF MEETINGS. THE CONTRACTOR SHALL INCLUDE IN HIS PROPOSURE A SCHEDULE OF WORK. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, THAT INTERFERE.
- VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DIMENSIONS. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DIMENSIONS. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DIMENSIONS. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DIMENSIONS. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DIMENSIONS.
- PROVIDE ACCESS IN WALLS & CEILINGS TO ACCESS ALL EQUIPMENT, VALVES, CONTROL DEVICES, FLOW DAMPERS, AND PRESSURE DAMPERS. PROVIDE ACCESS IN WALLS & CEILINGS TO ACCESS ALL EQUIPMENT, VALVES, CONTROL DEVICES, FLOW DAMPERS, AND PRESSURE DAMPERS.
- EQUIPMENT SHALL BE INSTALLED TO MEET THE MANUFACTURERS' REQUIREMENTS. EQUIPMENT SHALL BE INSTALLED TO MEET THE MANUFACTURERS' REQUIREMENTS. EQUIPMENT SHALL BE INSTALLED TO MEET THE MANUFACTURERS' REQUIREMENTS.
- ALL MATERIALS FURNISHED AND ALL WORK PERFORMED BY THE MECHANICAL CONTRACTOR SHALL BE SUBJECT TO INSPECTION AND VERIFICATION BY THE ARCHITECT AND ALL OTHER TRADES. ALL MATERIALS FURNISHED AND ALL WORK PERFORMED BY THE MECHANICAL CONTRACTOR SHALL BE SUBJECT TO INSPECTION AND VERIFICATION BY THE ARCHITECT AND ALL OTHER TRADES.
- ALL EQUIPMENT, DUCTWORK, ETC. SHALL BE SUPPORTED SUFFICIENTLY AND ALL ADDITIONAL SUPPORT SHALL BE PROVIDED AS REQUIRED TO PROVIDE PROPER CLEARANCES TO ALL OTHER TRADES. ALL EQUIPMENT, DUCTWORK, ETC. SHALL BE SUPPORTED SUFFICIENTLY AND ALL ADDITIONAL SUPPORT SHALL BE PROVIDED AS REQUIRED TO PROVIDE PROPER CLEARANCES TO ALL OTHER TRADES.
- EQUIPMENT SHALL BE MOUNTED TO CEILING STRUCTURE. EQUIPMENT SHALL BE MOUNTED TO CEILING STRUCTURE. EQUIPMENT SHALL BE MOUNTED TO CEILING STRUCTURE. EQUIPMENT SHALL BE MOUNTED TO CEILING STRUCTURE. EQUIPMENT SHALL BE MOUNTED TO CEILING STRUCTURE.
- ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH NEC AND ELECTRICAL SPECIFICATIONS FOR THIS PROJECT.

DUCTWORK GENERAL NOTES (ALL DRAWINGS):

- ALL DUCTWORK INDICATED IS SCHEMATIC AND SHOW ONLY RELATIVE POSITIONS. PROVIDE OFFSETS AND ELBOVS AS NOTED TO INSTALL PROPERLY. PROVIDE OFFSETS AND ELBOVS AS NOTED 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.
- APPROXIMATE LOCATIONS OF ALL EXHAUST, INLET, AIR, AND OTHER TRAFFIC WORK. COORDINATE LOCATIONS WITH OTHER TRADES. CONSULT ARCHITECT/ENGINEER FOR CLARIFICATION IF CONFLICTS OCCUR.
- ALL EQUIPMENT SHALL BE INSTALLED TO MEET THE MANUFACTURERS' DIMENSIONS OF LINE DUCTWORK; TO PROVIDE FREE INSEER AREA EQUAL TO THAT OF THE LINE DUCTWORK. PROVIDE FREE INSEER AREA EQUAL TO THAT OF THE LINE DUCTWORK. PROVIDE FREE INSEER AREA EQUAL TO THAT OF THE LINE DUCTWORK.
- FINAL CONNECTIONS FROM HIGH VELOCITY MAIN DUCTS TO AIR TERMINAL UNITS TO AIR INLETS AND OUTLETS SHALL BE MADE WITH FLEXIBLE DUCTWORK. FINAL CONNECTIONS FROM HIGH VELOCITY MAIN DUCTS TO AIR TERMINAL UNITS TO AIR INLETS AND OUTLETS SHALL BE MADE WITH FLEXIBLE DUCTWORK. FINAL CONNECTIONS FROM HIGH VELOCITY MAIN DUCTS TO AIR TERMINAL UNITS TO AIR INLETS AND OUTLETS SHALL BE MADE WITH FLEXIBLE DUCTWORK.
- FLEXIBLE DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' INSTALLATION INSTRUCTIONS. FLEXIBLE DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' INSTALLATION INSTRUCTIONS.
- PROVIDE VOLUME DAMPERS AT EACH AIR OUTLET, AIR INLET AND TERMINAL DEVICE AND AT EACH BRANCH TAKE-OFF CONNECTION FROM THE MAIN DUCTWORK.

MECHANICAL PIPING GENERAL NOTES (ALL DRAWINGS):

- ALL PIPING SHOWN HAS BEEN DRAWN SCHEMATICALLY FOR CLARITY, AND SHOWN ONLY RELATIVE POSITIONS. PROVIDE OFFSETS AND ELBOVS AS NOTED TO INSTALL PROPERLY AND TO AVOID INTERFERENCES.
- ALL PIPING SHALL BE INSTALLED TO MEET THE MANUFACTURERS' DIMENSIONS. ALL PIPING SHALL BE INSTALLED TO MEET THE MANUFACTURERS' DIMENSIONS. ALL PIPING SHALL BE INSTALLED TO MEET THE MANUFACTURERS' DIMENSIONS.
- 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 EXISTING VALVES ARE NOTED TO BE REMOVED. CONTRACTOR SHALL PROVIDE NEW VALVES ON EXISTING PIPING WHERE THE EXISTING VALVES ARE NOTED TO BE REMOVED.

FOR CONSTRUCTION

ALL DIMENSIONS AND FINISHES SHOWN SHALL BE EXCEPT AS NOTED BY THE CONTRACTOR AT HIS OWN RISK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND FINISHES SHOWN ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND FINISHES SHOWN ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND FINISHES SHOWN ON THIS PLAN.

REVISIONS

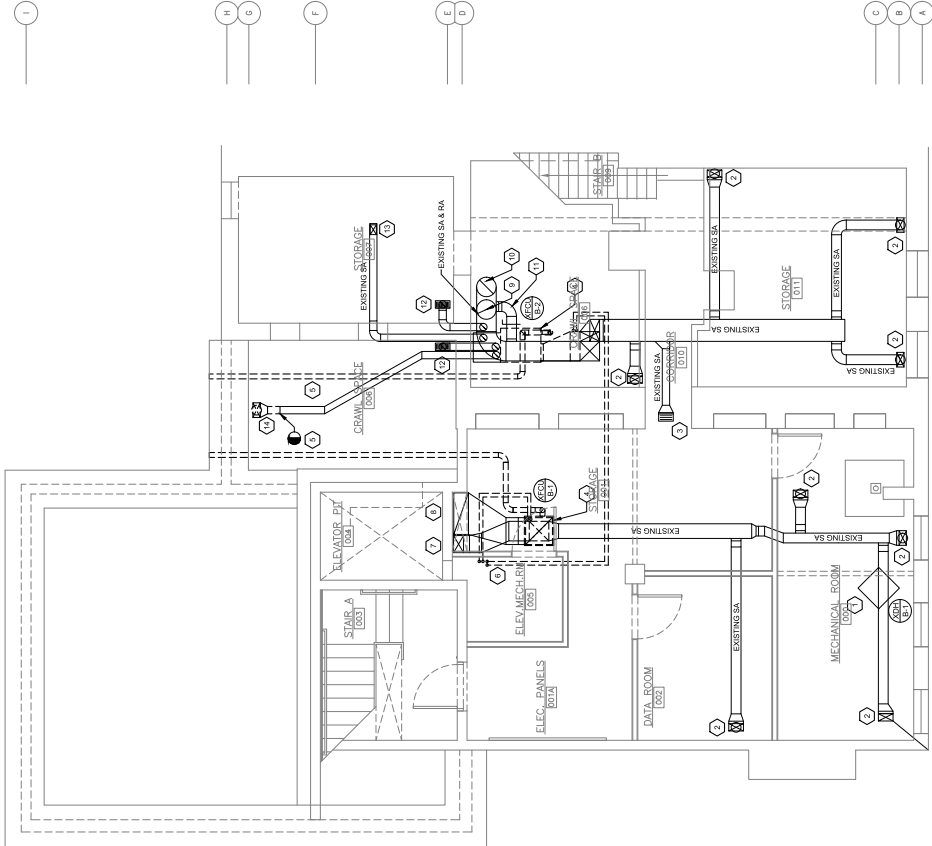
NO.	DATE	DESCRIPTION

MECHANICAL DEMOLITION GENERAL NOTES:

1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING AND GRILLES. VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. REQUIRE REPAIRS TO BE COMPLETED PRIOR TO DEMOLITION. VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. REQUIRE REPAIRS TO BE COMPLETED PRIOR TO DEMOLITION. VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. REQUIRE REPAIRS TO BE COMPLETED PRIOR TO DEMOLITION.
2. MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE FLOOR OR WITHIN WALLS SHALL BE DEMOLISHED AND REMOVED. MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE FLOOR OR WITHIN WALLS SHALL BE DEMOLISHED AND REMOVED. MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE FLOOR OR WITHIN WALLS SHALL BE DEMOLISHED AND REMOVED.
3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
4. REMOVE ALL WETS AS TO MATCH ALL EXISTING TO REMAIN WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES:

1. EXISTING PLUG AND DAMPER AND ASSOCIATED PIPING TO BE DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
2. ABOVE TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
3. EXISTING DUCT MOUNTED SUPPLY GRILLE. ASSOCIATED PIPING TO BE DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
4. EXISTING FURNACE, ASSOCIATED COOLING COIL AND ASSOCIATED PIPING TO BE DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
5. FLEET PIPING ASSOCIATED WITH FURNACE SHALL BE DEMOLISHED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
6. SUCTON AND LIQUID REFRIGERANT UNITS FROM ASSOCIATED FURNACES TO BE REMOVED. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
7. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND ASSOCIATED PRESMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
8. ASSOCIATED PRESMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
9. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND ASSOCIATED PRESMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
10. EXISTING RETURN DUCT UP TO FLOOR ABOVE AND ASSOCIATED PRESMOKE DAMPER TO REMAIN. VERIFY SIZE AND LOCATION OF DUCTWORK IN FIELD.
11. EXISTING BRANCHES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
12. EXISTING SUPPLY DIFFUSER AND ASSOCIATED BRANCHES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
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.



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



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
 1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233



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

PROJECT NO.	2085
ISSUE DATE	02/15/2021
DATE NO.	M-100
REVISION NO.	△
DRAWING TITLE	
BASEMENT MECHANICAL DEMOLITION PLAN	

FOR CONSTRUCTION

NO DIMENSIONS AND FINISH CONDITIONS SHALL BE ENTERED AND SHOWN BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES AND THE LOCATION OF ALL STRUCTURAL MEMBERS AND THE LOCATION OF ALL MECHANICAL AND ELECTRICAL SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES AND THE LOCATION OF ALL STRUCTURAL MEMBERS AND THE LOCATION OF ALL MECHANICAL AND ELECTRICAL SERVICES.

REVISIONS

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PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

DRAWING TITLE
FIRST FLOOR MECHANICAL
DEMOLITION PLAN

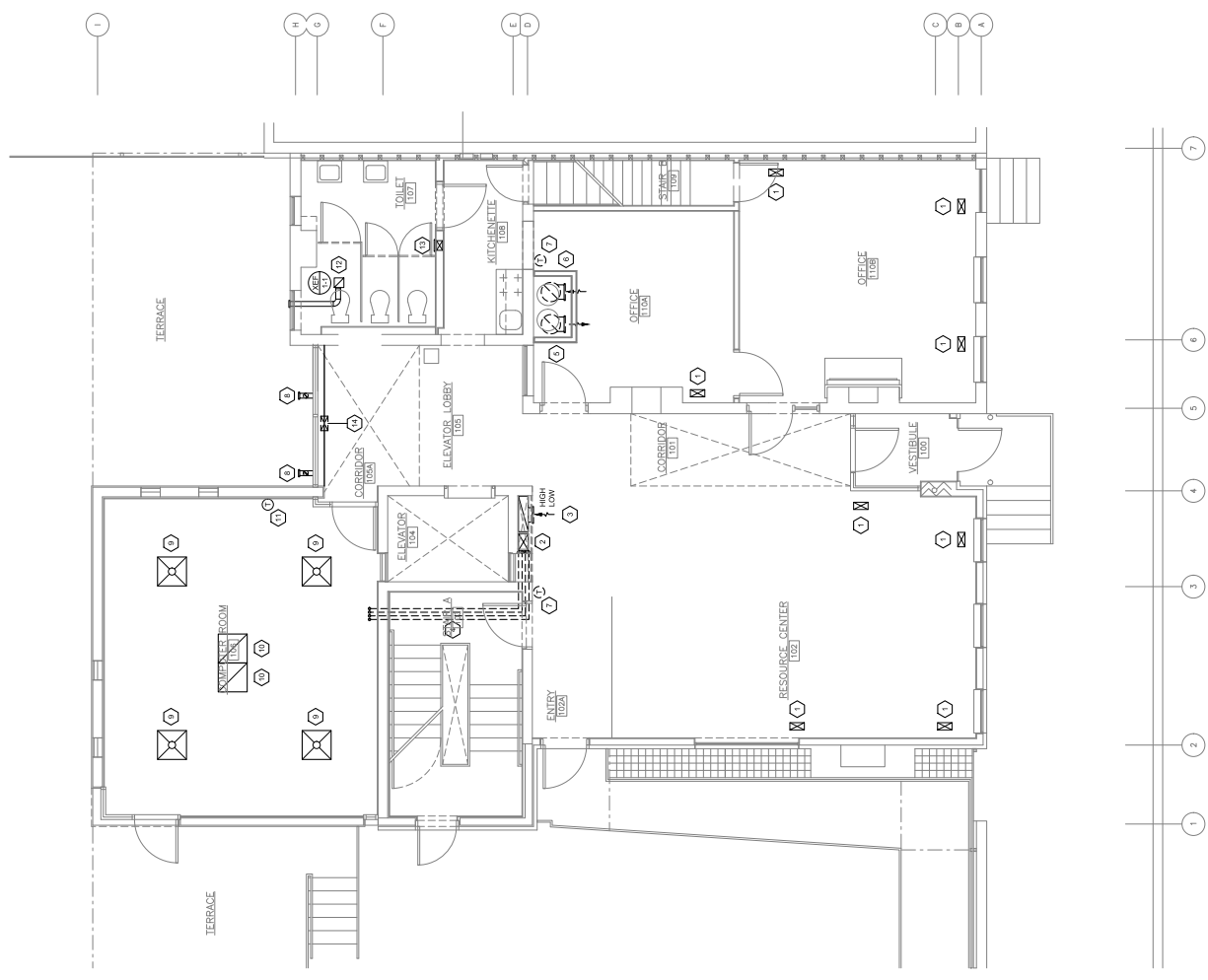
DATE: 02/15/2021
REVISION: M-101
BY: JAC
CHECKED: JAC

MECHANICAL DEMOLITION GENERAL NOTES:

1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF ALL MECHANICAL SYSTEMS AND EQUIPMENT. ALL MECHANICAL SYSTEMS AND EQUIPMENT SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL MECHANICAL SYSTEMS AND EQUIPMENT SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL MECHANICAL SYSTEMS AND EQUIPMENT SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL MECHANICAL SYSTEMS AND EQUIPMENT SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35.
2. ALL MECHANICAL EQUIPMENT, SENSORS AND CHIMNEYS LOCATED ABOVE HARD CEILING OR WITHIN WALLS SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL MECHANICAL EQUIPMENT, SENSORS AND CHIMNEYS LOCATED ABOVE HARD CEILING OR WITHIN WALLS SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL MECHANICAL EQUIPMENT, SENSORS AND CHIMNEYS LOCATED ABOVE HARD CEILING OR WITHIN WALLS SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35.
3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING ORDER. ALL EQUIPMENT TO REMAIN SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL EQUIPMENT TO REMAIN SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35.
4. ALL EXISTING WALL, FLOOR AND CEILING PENETRATIONS TO BE DEMOLISHED SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35. ALL EXISTING WALL, FLOOR AND CEILING PENETRATIONS TO BE DEMOLISHED SHALL BE DEMOLISHED IN ACCORDANCE WITH THE HACP TASK ORDER #35.

MECHANICAL DEMOLITION KEY NOTES:

1. (1) SUPPLY DUCT 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 DUCT SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH GC TO PATCH WALL TO MATCH EXISTING WALL. VERIFY LOCATION AND SIZE IN FIELD.
4. (2) SUCTION AND LIQUID REFRIGERANT LINESETS FROM MECHANICAL EQUIPMENT TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
5. EXISTING SUPPLY DUCT UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW TO BE DEMOLISHED. VERIFY SIZE AND LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
6. EXISTING RETURN DUCT UP TO FLOOR ABOVE AND DOWN TO FLOOR BELOW TO BE DEMOLISHED. VERIFY SIZE AND LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
7. EXISTING THERMOSTAT FOR CHIMNEY AND CONDENSING UNIT SYSTEM AND ALL ASSOCIATED CONTROL WIRING TO BE DEMOLISHED IN FIELD. VERIFY SIZE AND LOCATION IN FIELD.
8. EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
9. EXISTING SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
10. EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
11. EXISTING THERMOSTAT FOR ROOFTOP UNIT AND ALL ASSOCIATED CONTROL WIRING TO BE DEMOLISHED IN FIELD. VERIFY SIZE AND LOCATION IN FIELD.
12. EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
13. EXISTING WALL MOUNTED SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.
14. EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD. VERIFY EXACT LOCATION AND ROUTING IN FIELD.



1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION

MECHANICAL DEMOLITION GENERAL NOTES:

1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT AND DUCTWORK BEFORE DEMOLITION. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. REQUIRE REPAIRS AND REPAIRS TO BE COMPLETED PRIOR TO DEMOLITION. DUCTWORK SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL RE-INSTALLATION AND EQUIPMENT SHALL BE REMOVED TO THE STOREHOUSE OR DISPOSED AS REQUIRED.
2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS LOCATED ABOVE HANG CEILING OR WITHIN WALLS SHALL BE REMOVED AS PART OF DEMOLITION. ALL MECHANICAL AND ELECTRICAL INSTALLATION REQUIREMENTS AND SCHEDULING SHALL BE REVIEWED PRIOR TO DEMOLITION. SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT REQUIRES RE-INSTALLATION. ACCESS PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED WALLS SHALL BE RE-INSTALLED AFTER DEMOLITION OF WALLS AND VERTICAL PENETRATIONS.
3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
4. ALL DEMOLITION WORK SHALL BE IN ACCORDANCE WITH ALL CITY AND STATE REGULATIONS AND ALL DEMOLITION PENETRATIONS TO REMAIN WALL, FLOOR AND CEILING SHALL BE RE-INSTALLED TO MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE PENETRATIONS.

MECHANICAL DEMOLITION KEY NOTES:

1. EXISTING ROOFTOP UNIT AND ALL ASSOCIATED PIPING, CONDENSING UNIT AND ALL ASSOCIATED PIPING SHALL BE DEMOLISHED. LOCATION AND SIZE IN FIELD.
2. EXISTING CONDENSING UNIT AND ALL ASSOCIATED PIPING SHALL BE DEMOLISHED. LOCATION AND SIZE IN FIELD.
3. EXISTING SUPPLY DEFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK SHALL BE DEMOLISHED. MC SHALL VERIFY LOCATION OF DEFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK. VERIFY SIZE AND LOCATION IN FIELD.
4. EXISTING SUPPLY BRANCH DUCTWORK ASSOCIATED WITH SUPPLY FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF SUPPLY BRANCH DUCTWORK AND ASSOCIATED SUPPLY FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.
5. EXISTING SUPPLY DEFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK SHALL BE DEMOLISHED. MC SHALL VERIFY LOCATION OF DEFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK. VERIFY SIZE AND LOCATION IN FIELD.
6. EXISTING SUPPLY BRANCH DUCTWORK ASSOCIATED WITH SUPPLY FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF SUPPLY BRANCH DUCTWORK AND ASSOCIATED SUPPLY FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.
7. EXISTING DUCT MOUNTED DEFUSER TO REMAIN. VERIFY LOCATION IN FIELD.
8. EXISTING DUCT MOUNTED DEFUSER TO REMAIN. VERIFY LOCATION IN FIELD.
9. EXISTING VERTICAL RETURN DUCTWORK DOWN TO FLOOR BELIEVED TO BE IN CEILING. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.
10. EXISTING VERTICAL RETURN DUCTWORK DOWN TO FLOOR BELIEVED TO BE IN CEILING. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE. 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 BELIEVED TO BE IN CEILING. MC SHALL VERIFY LOCATION OF SUPPLY DUCTWORK AND ASSOCIATED SUPPLY FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF SUPPLY DUCTWORK AND ASSOCIATED SUPPLY FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.
14. EXISTING VERTICAL RETURN DUCTWORK DOWN TO FLOOR BELIEVED TO BE IN CEILING. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE AT FLOOR ABOVE TO BE DEMOLISHED. MC SHALL VERIFY LOCATION OF RETURN DUCTWORK AND ASSOCIATED RETURN FLOOR GRILLE. VERIFY SIZE AND LOCATION IN FIELD.

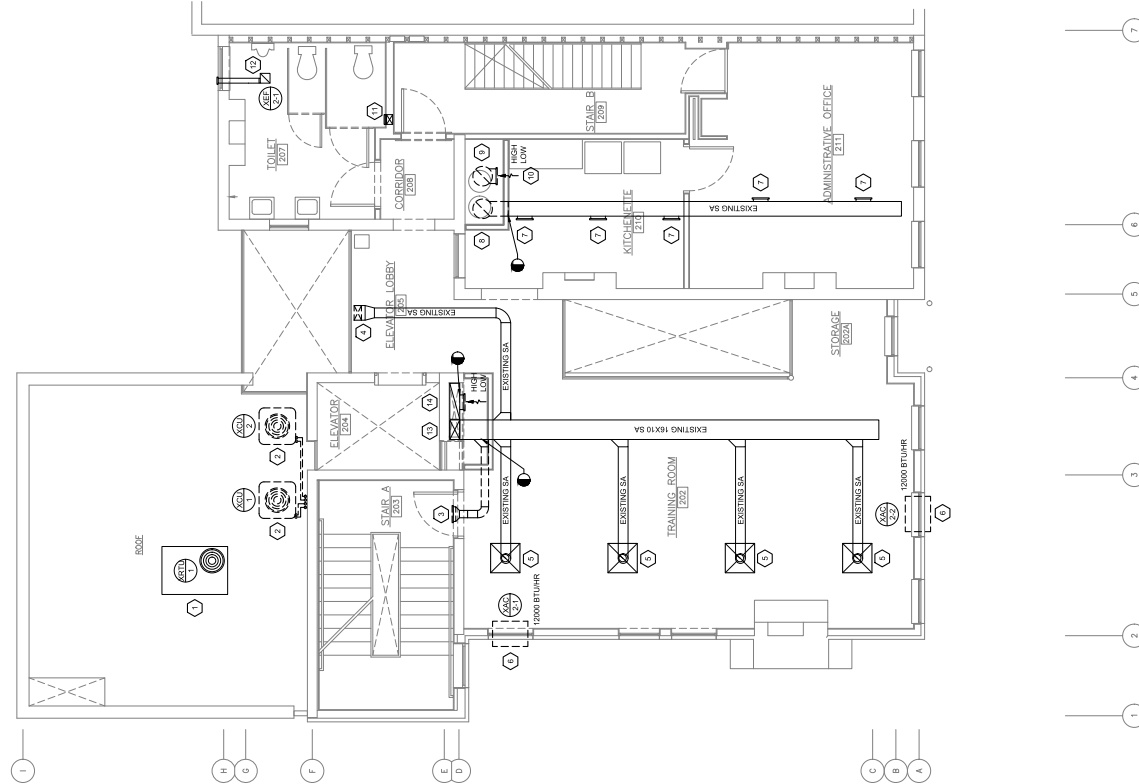


PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
 DEVELOPMENT &
 OPPORTUNITIES CENTER
 REHAB**
 1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233



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

DATE PLOTTED: 02/15/2021
 PROJECT NO.: 2025
 DRAWING NO.: M-102



1 SECOND FLOOR MECHANICAL DEMOLITION PLAN
 1/4" = 1'-0"

FOR CONSTRUCTION

PROFESSIONAL ENGINEER
DAVID C. PECK, P.E.
PITTSBURGH, PA 15223
STATE OF PENNSYLVANIA
PROFESSIONAL ENGINEERING NO. 040085
NO CONTRACT OR OTHER AGREEMENT SHALL BE ENTERED INTO BY THE CONTRACTOR AT THE EXPIRATION OF THE TERM OF THIS AGREEMENT. ALL DISPUTES AND OTHER CONDITIONS SHALL BE REFERRED AND DECIDED BY THE CONTRACTOR AT THE DISCRETION OF THE CONTRACTOR.

REVISIONS

NO REVISIONS



PROPERTY REHABILITATION FOR:

HAC TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



GERRARD
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 DEMOLITION PLAN

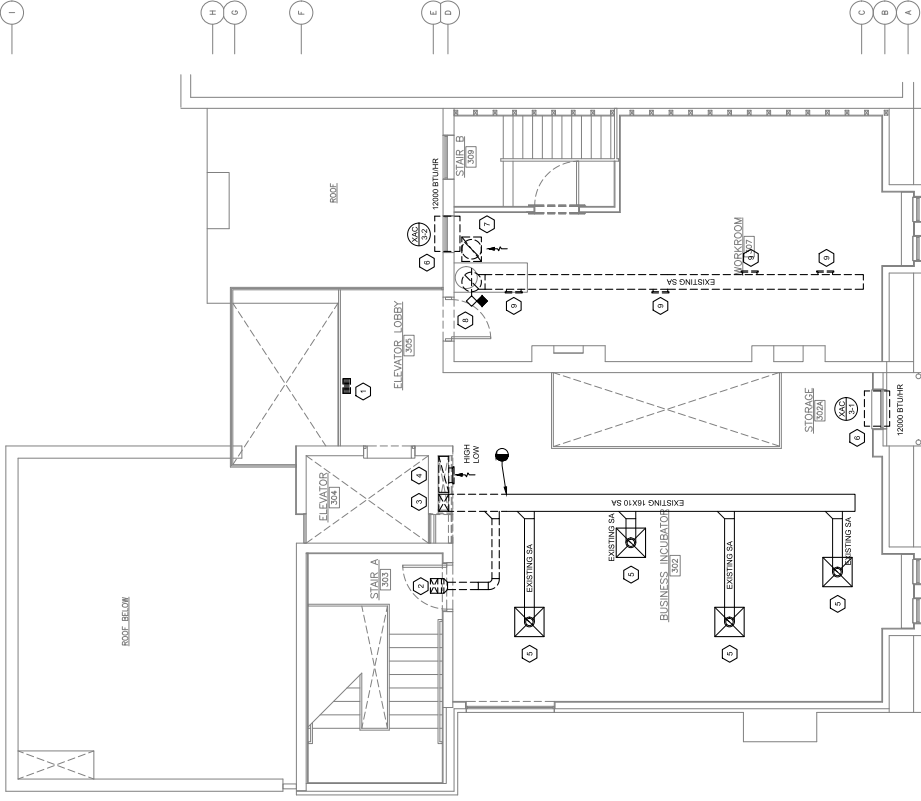
DATE PLOTTED	02/15/2021
REVISION NO.	△
DATE	02/15/2021
PROJECT NO.	M-103

MECHANICAL DEMOLITION GENERAL NOTES:

1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLS. MC SHALL VERIFY EQUIPMENT IS IN GOOD WORKING ORDER. REQUIRE REPLACEMENT ARE REPAIRED PRIOR TO DEMOLITION. ALL DUCTWORK AND PIPING SHALL BE CLEANED OF DUST AND DEBRIS PRIOR TO FINAL REINSTALLATION AND EQUIPMENT REPAIRS.
2. ALL MECHANICAL EQUIPMENT, CONDENSERS AND DAMPERS LOCATED ABOVE HAND CEILING OR WITHIN WALLS SHALL BE DEMOLISHED. MECHANICAL EQUIPMENT SHALL BE DEMOLISHED WITH HAND CATURES, TRUSS FASTENERS, AND BRACKETS. SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT PANELS FOR ALL ACCESS PANELS LOCATED WITHIN RATED WALLS AND CEILING SHALL BE MAINTAINED. ACCESS DOORS SHALL BE DAMPED AND VANDAL PROOF.
3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
4. ALL EQUIPMENT WITH GAS TO MATCH ALL EXISTING MATCH EXISTING MATERIAL AT ALL DEMOLISHED PIPE PENETRATIONS TO MATCH EXISTING MATERIAL TO REPAIRS.

MECHANICAL DEMOLITION KEY NOTES: (A)

1. EXISTING FLOOR/CEILING TO BE DEMOLISHED MC SHALL VERIFY SIZE AND LOCATION IN FIELD. MC SHALL COORDINATE WITH GC AND ARCHITECT TO MATCH EXISTING CONSTRUCTION AND FINISH.
2. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY BRANCH DUCTWORK SHALL BE DEMOLISHED. MC SHALL COORDINATE WITH ARCHITECT AND GC TO MATCH EXISTING FINISH. VERIFY SIZE AND LOCATION OF DIFFUSER AND WALL PENETRATION IN FIELD.
3. EXISTING SUPPLY AIR DUCTWORK IN CHASE SHALL BE DEMOLISHED DOWN TO FLOOR LEVEL AT THIRD FLOOR. MC SHALL COORDINATE WITH GC TO PROVIDE PATCHING OF WALL AND CEILING. VERIFY SIZE AND LOCATION OF EXISTING SUPPLY AIR DUCTWORK IN CHASE SHALL BE DISCONNECTED FROM EXISTING HIGH AND LOW RETURN AT THIRD FLOOR. VERTICAL DUCT RISERS SHALL BE CAPTED AT THIRD FLOOR AND MC SHALL COORDINATE WITH GC TO PROVIDE PATCHING OF WALL AND CEILING. VERIFY SIZE AND LOCATION OF EXISTING SUPPLY DIFFUSER AND ASSOCIATED FLEXIBLE DUCT WORK SHALL BE DEMOLISHED. VERIFY LOCATION OF DIFFUSER IN FIELD.
4. EXISTING COOLING ONLY FFAC UNIT SHALL BE REMOVED FROM WINDOW AND RETURNED INTACT AND FULLY OPERATIONAL TO BUILDING OWNER.
5. EXISTING FLOOR/CEILING TO BE DEMOLISHED MC SHALL VERIFY SIZE AND LOCATION IN FIELD. MC SHALL COORDINATE WITH GC AND ARCHITECT TO MATCH EXISTING CONSTRUCTION AND FINISH. VERIFY EXACT LOCATION IN FIELD. VERIFY EXACT LOCATION AND SIZE IN FIELD.
6. EXISTING VERTICAL SUPPLY DUCTWORK SHALL BE DEMOLISHED DOWN TO FLOOR LEVEL AT THIRD FLOOR. MC SHALL COORDINATE WITH GC TO PROVIDE PATCHING OF WALL AND CEILING. VERIFY EXACT LOCATION AND SIZE IN FIELD.
7. EXISTING DUCT MOUNTED DIFFUSER AND ALL ASSOCIATED APPURTENANCES TO BE DEMOLISHED. VERIFY LOCATION IN FIELD.



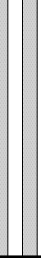
1 THIRD FLOOR MECHANICAL DEMOLITION PLAN
N103 1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

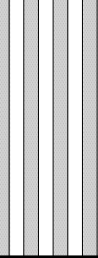
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1. 11/20/2015 [Signature] [Initials]



PROPERTY REHABILITATION FOR: HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB

1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



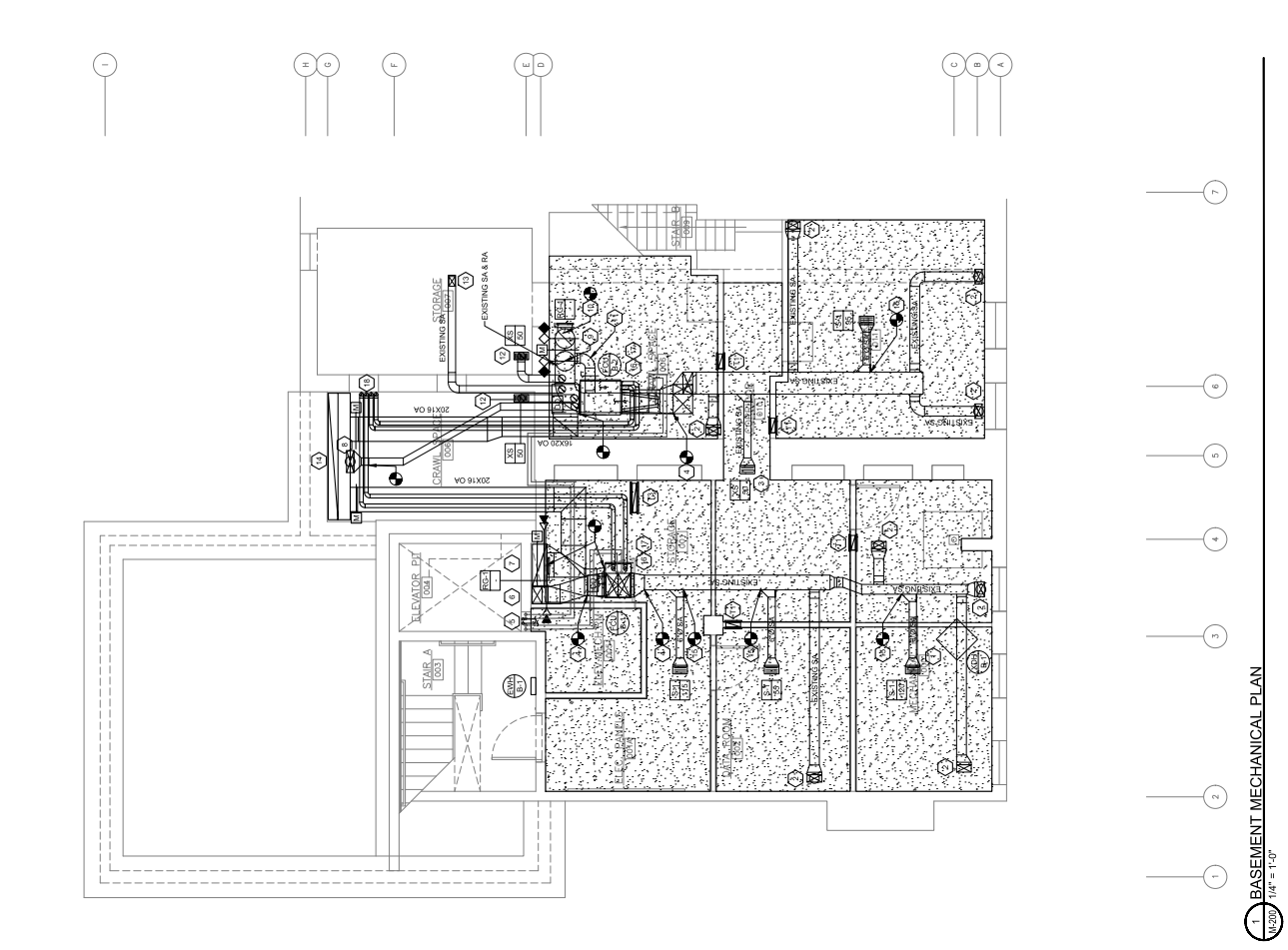
BASEMENT MECHANICAL PLAN

DATE: 02/15/2021

REVISION: \triangle

DWG NO: M-200

- MECHANICAL GENERAL NOTES:**
1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING AND GRILLES. REGISTERS, REVERSERS, ACCESSORIES, CONTROL DEVICES, AND CONTROLS SHALL BE ASSESSMENT IN ACCORDANCE WITH THE AIA, ASSESSMENT REPORT SHALL BE REPRODUCED PRIOR TO RE-INSTALLATION. EXISTING GRILLES, REGISTERS AND DIFFUSERS TO REMAIN SHALL BE RE-INSTALLED AND EQUIPMENT STARTUP.
 2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS SHALL BE INSTALLED WITH ACCESS PANELS TO REMAIN AND PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS AND SUPPLY ACCESS PANELS SHALL BE INSTALLED AT ALL DIFFUSER, REGISTER AND AIR TERMINAL ACCESS PANELS. ALL WALLS AND ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
 3. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO EQUIPMENT, DUCTWORK, PIPING AND GRILLES WITH EXISTING MATERIAL AT ALL DEMOLISHED PIPE, DUCT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.
 4. MECHANICAL EQUIPMENT AND/OR CONTROL DEVICES IN THE FIELD SHALL BE ACCESSIBLE FOR MAINTENANCE AND REPAIR IN ACCORDANCE WITH THE AIA, ASSESSMENT REPORT SHALL BE REPRODUCED PRIOR TO RE-INSTALLATION. REQUIREMENTS AND IAC 2015 ACCESS REQUIREMENTS.
 5. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINE SIZE UNITS. FINAL LINE SIZE SHALL BE VERIFIED TO MATCH EXISTING UNITS. MC SHALL VERIFY EXISTING DUCT SIZES AND DUCT SUPP DAMPERS.
 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 FLEXIBLE PIPING FOR GAS FURNACE SHALL BE INSTALLED IN ACCORDANCE WITH THE AIA, ASSESSMENT REPORT SHALL BE REPRODUCED PRIOR TO RE-INSTALLATION. REQUIREMENTS AND IAC 2015 ACCESS REQUIREMENTS.
 8. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINE SIZE UNITS. FINAL LINE SIZE SHALL BE VERIFIED TO MATCH EXISTING UNITS. MC SHALL VERIFY EXISTING SUPPLY AND RETURN PIPING SHALL BE SLOPED BACK TOWARDS GAS FURNACE EQUIPMENT.
 9. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINE SIZE UNITS. FINAL LINE SIZE SHALL BE VERIFIED TO MATCH EXISTING UNITS. MC SHALL VERIFY EXISTING SUPPLY AND RETURN PIPING SHALL BE SLOPED BACK TOWARDS GAS FURNACE EQUIPMENT.
 10. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LINE SIZE UNITS. FINAL LINE SIZE SHALL BE VERIFIED TO MATCH EXISTING UNITS. MC SHALL VERIFY EXISTING SUPPLY AND RETURN PIPING SHALL BE SLOPED BACK TOWARDS GAS FURNACE EQUIPMENT.
- MECHANICAL KEY NOTES:**
1. EXISTING PLUG IN BEHINDER TO REMAIN.
 2. EXISTING BRANCH DUCTWORK AND TRANSITION UP TO FLOOR GRILLE TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
 3. VERIFY SIZE AND LOCATION IN FIELD.
 4. NEW SUPPLY AIR DUCTWORK CONNECTS TO EXISTING SUPPLY AIR MAIN. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO MAKE CONNECTION.
 5. EXISTING RETURN DUCTWORK IS TO REMAIN. CONDENSATE DRAIN FROM FLOOR ABOVE SHALL BE ROUTED THROUGH UP TO CHASE TO LOOK ABOVE DUCT. COORDINATE FOOTING IN FIELD.
 6. EXISTING SUPPLY DUCT UP IN NEW RATED CHASE UP TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION DAMPER AND GRILLE. VERIFY SIZE OF SUPPLY DUCT AND SMALL MATCH FRESEMOKE DAMPER CONNECTIONS TO EXISTING DUCT SIZE.
 7. EXISTING SUPPLY DUCTWORK IS TO REMAIN. CONDENSATE DRAIN FROM FLOOR ABOVE SHALL BE ROUTED THROUGH UP TO CHASE TO LOOK ABOVE DUCT. COORDINATE FOOTING IN FIELD.
 8. NEW SUPPLY DUCTWORK CONNECTS TO EXISTING DUCTWORK AT FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION DAMPER AND GRILLE. VERIFY SIZE OF SUPPLY DUCT AND SMALL MATCH FRESEMOKE DAMPER CONNECTIONS TO EXISTING DUCT SIZE.
 9. EXISTING ROUND SUPPLY DUCTWORK UP IN RATED CHASE TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION DAMPER AND GRILLE. VERIFY SIZE OF RETURN DUCT AND SMALL MATCH FRESEMOKE DAMPER CONNECTIONS TO EXISTING DUCT SIZE.
 10. EXISTING ROUND RETURN DUCTWORK UP IN RATED CHASE TO FLOOR ABOVE. MC SHALL PROVIDE NEW COMBINATION DAMPER AND GRILLE. VERIFY SIZE OF RETURN DUCT AND SMALL MATCH FRESEMOKE DAMPER CONNECTIONS TO EXISTING DUCT SIZE.
 11. EXISTING BYPASS DAMPER AND DUCTWORK TO REMAIN. VERIFY DUCT SIZE AND LOCATION IN FIELD.
 12. EXISTING BYPASS DAMPER AND DUCTWORK TO REMAIN. VERIFY EXACT SIZE AND LOCATION IN FIELD.
 13. EXISTING SUPPLY UP THROUGH BATHROOM WALL ABOVE TO REHAB.
 14. EXISTING SUPPLY UP THROUGH BATHROOM WALL ABOVE TO REHAB. VERIFY SIZE AND LOCATION IN FIELD.
 15. NEW SUPPLY DUCTWORK CONNECTS TO EXISTING SUPPLY MAIN ABOVE CEILING. VERIFY SIZE AND LOCATION IN FIELD.
 16. NEW SUPPLY DUCTWORK CONNECTS TO EXISTING SUPPLY MAIN ABOVE CEILING. VERIFY SIZE AND LOCATION IN FIELD.
 17. 0.34" CONDENSATE DRAIN SHALL BE ROUTED TO EXISTING CONDENSATE DRAIN FROM FLOOR ABOVE. VERIFY SIZE AND LOCATION IN FIELD. PIPING SHALL BE INSTALLED WITH DRAIN PAN. FURNACE SHALL BE ENERGIZED UPON ALARM ACTIVATION.
 18. 0.34" CONDENSATE DRAIN SHALL BE INSTALLED WITH DRAIN PAN. FURNACE SHALL BE ENERGIZED UPON ALARM ACTIVATION. ISOLATION PADS.
 19. 0.34" CONDENSATE DRAIN SHALL BE INSTALLED WITH DRAIN PAN. FURNACE SHALL BE ENERGIZED UPON ALARM ACTIVATION. ISOLATION PADS.
 20. 0.34" CONDENSATE DRAIN SHALL BE INSTALLED WITH DRAIN PAN. FURNACE SHALL BE ENERGIZED UPON ALARM ACTIVATION. ISOLATION PADS.



1 BASEMENT MECHANICAL PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

ALL DIMENSIONS AND FINISH CONDITIONS SHALL BE REFERRED TO BY THE CONTRACTOR AT THE COMMENCEMENT OF WORK.

REVISIONS

Table with 3 columns: No., Description, Date.



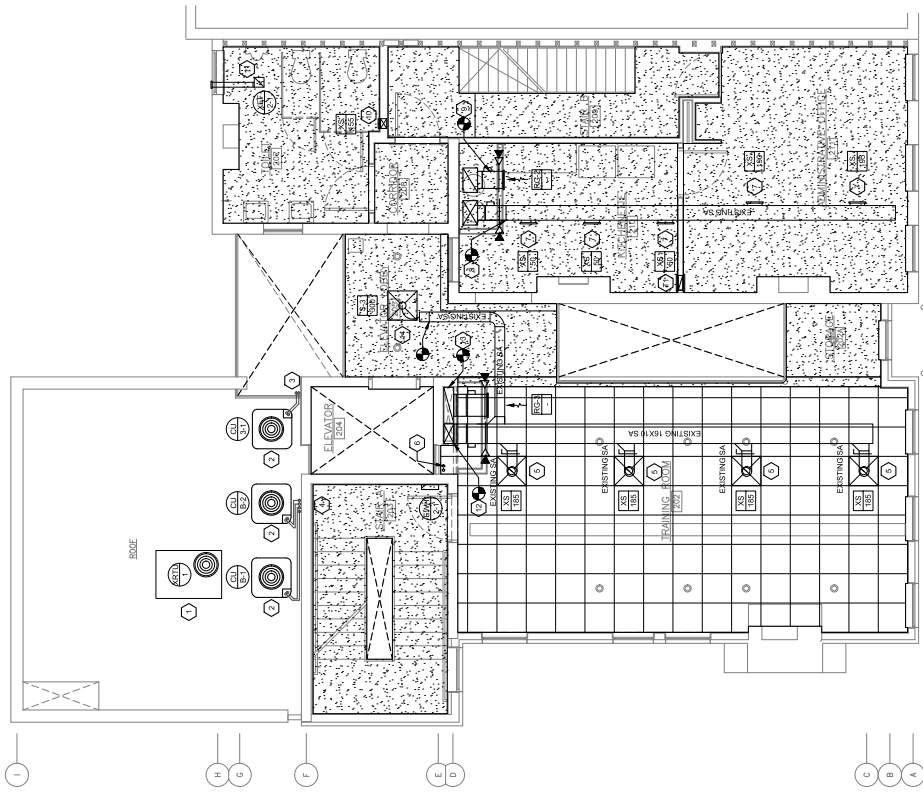
PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

SECOND FLOOR MECHANICAL
PLAN
DATE: 02/15/2021
DRAWING NO: M-202

- MECHANICAL GENERAL NOTES:
1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF...
2. NEW MECHANICAL EQUIPMENT SHALL BE INSTALLED...
3. MC SHALL VERIFY ALL EQUIPMENT TO REMAIN IS...
4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING TO...
5. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE...
6. MC SHALL PROVIDE AND INSTALL SERVICE RAILING FOR ALL...
7. ALL PERMANENT FOOT OF HORIZONTAL RAIN PIPING SHALL BE...
8. COMBUSTION AIR AND FLUE PIPING FOR GAS FIRED...
9. THE MC SHALL ENGAGE THE TESTING, ADJUSTING AND...
10. MECHANICAL KEY NOTES:
1. EXISTING ROOFTOP UNIT AND ASSOCIATED APPURTENANCES...
2. NEW CONDENSING UNIT SHALL BE INSTALLED ON F CONCRETE...
3. SUCTON AND LIQUID REFRIGERANT INSET SHALL BE ROUTED...
4. GS SETS OF REFRIGERANT SUCTON AND LIQUID LINESETS...
5. ALL REFRIGERANT SUCTON AND LIQUID LINESETS SHALL BE...
6. GS 3/4" CONDENSATE DRAIN PIPING DOWN IN CHASE TO FLOOR...
7. EXISTING SUPPLY GRILLE AND ASSOCIATED BRANCH...
8. EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK...
9. EXISTING SUPPLY AIR DUCTWORK IN CHASE TO FLOOR...
10. EXISTING RETURN DUCT IN NEW RATED CHASE DOWN TO...
11. NEW SUPPLY AIR DEFUSER AND ASSOCIATED BRANCH...
12. EXISTING RETURN DUCT IN NEW RATED CHASE DOWN TO...
13. EXISTING RETURN DUCT IN NEW RATED CHASE DOWN TO...
14. NEW SUPPLY AIR DEFUSER AND ASSOCIATED BRANCH...
15. EXISTING RETURN DUCT IN NEW RATED CHASE DOWN TO...



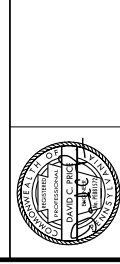
1 SECOND FLOOR MECHANICAL PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

NO WORK SHALL BE PERFORMED UNLESS THE CONTRACTOR HAS OBTAINED A PERMIT FROM THE CITY OF PITTSBURGH AND THE PROJECT HAS BEEN APPROVED BY THE CITY OF PITTSBURGH. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PITTSBURGH PERMITS AND REGULATIONS. ALL DIMENSIONS AND FITTINGS SHOWN SHALL BE FIELD AND SHOWN BY THE CONTRACTOR AT HIS OWN RISK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF PITTSBURGH PERMITS AND REGULATIONS. ALL DIMENSIONS AND FITTINGS SHOWN SHALL BE FIELD AND SHOWN BY THE CONTRACTOR AT HIS OWN RISK.

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	02/15/2021



PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB**
1205 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

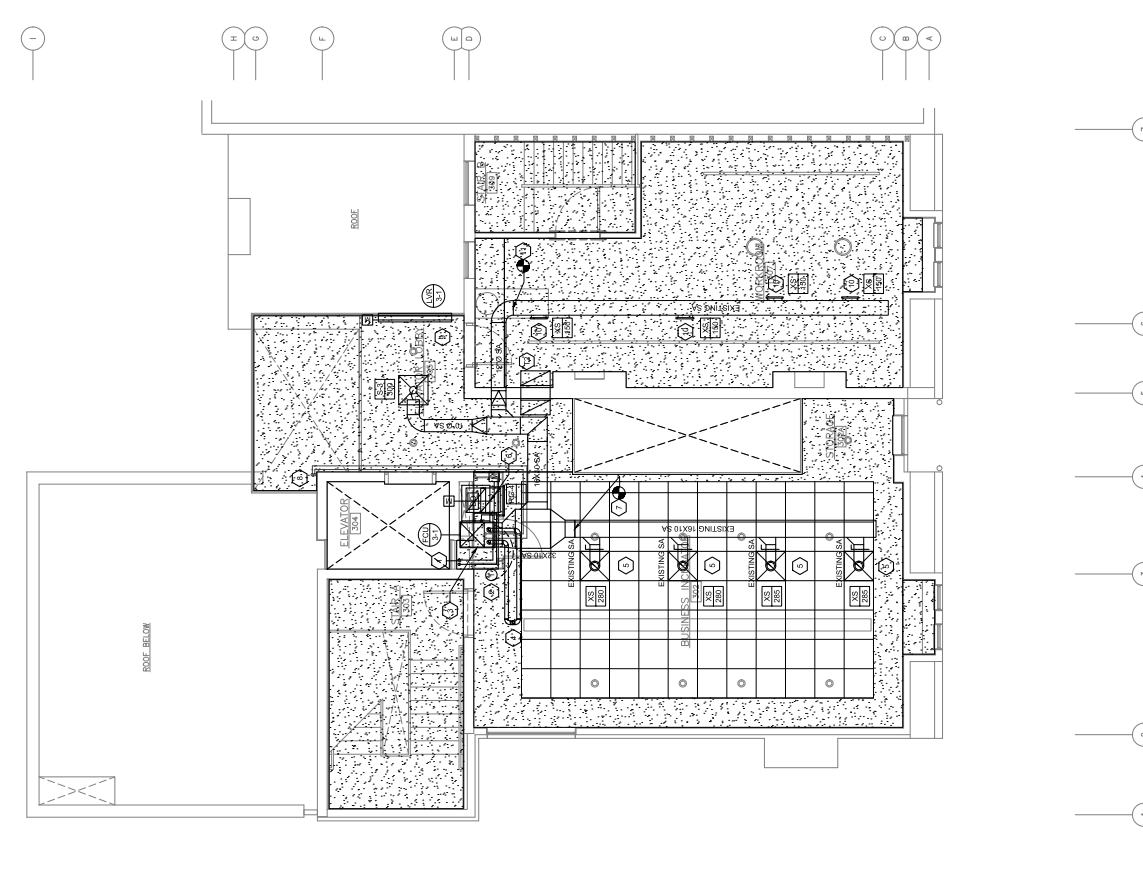
DATE: 02/15/2021
BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO: M-203
REVISED DATE: 02/15/2021
REVISED BY: [Signature]
REVISED FOR: [Signature]

MECHANICAL GENERAL NOTES:

1. MC SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND GRILLES. ALL NEW SUPPLY AIR DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH PERMITS AND REGULATIONS. ALL DIMENSIONS AND FITTINGS SHOWN SHALL BE FIELD AND SHOWN BY THE CONTRACTOR AT HIS OWN RISK.
2. ALL MECHANICAL EQUIPMENT, SENSORS AND DAMPERS SHALL BE PROVIDED WITH ACCESS PANELS SIZED IN ACCORDANCE WITH THE CITY OF PITTSBURGH PERMITS AND REGULATIONS. SUCH THAT THE FULL REMOVAL OF THE EQUIPMENT IS POSSIBLE WITHOUT THE NECESSITY OF DAMAGING THE CEILING OR WALLS. ACCESS DOORS SHALL BE TAMPER AND VANDAL PROOF.
3. ALL EQUIPMENT TO REMAIN IS TO REMAIN IN FUNCTIONING PROPERLY AND IS IN GOOD WORKING CONDITION.
4. MC SHALL COORDINATE WITH GC TO PATCH ALL EXISTING WORK WITH MATCHING MATERIAL AT ALL DEMOLISHED PIPE, EQUIPMENT, AND MECHANICAL SYSTEMS RELATED PENETRATIONS.
5. MC SHALL COORDINATE WITH GC TO VERIFY FINAL LIFT SIZE REQUIREMENTS FOR STRUCTURAL PENETRATIONS AND TO MATCH DIMENSIONS OF MECHANICAL CONTRACTORS APPROVED DUCT SHOP DRAWINGS.
6. CONDENSATE DRAIN PIPING SHALL BE SLOPED NO LESS THAN 1/8" PER FOOT TOWARDS POINT OF TERMINATION. COMBUSTION AIR AND FUELE PIPING FOR GAS FIRED EQUIPMENT SHALL BE SLOPED NO LESS THAN 1/8" PER FOOT TOWARDS GAS FIRED EQUIPMENT.
7. THE MC SHALL ENGAGE THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR TO VERIFY THE AIRFLOW 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 AT ABOVE FLOOR AT GYMNASIUM. HOUSEKEEPING FLOOR WITH INSURE GASKET VIBRATION ISOLATION PLUS.
3. 3" COMBUSTION AIR PIPING AND FUELE PIPING SHALL BE ABOVE COORDINATE ROUTING IN FIELD.
4. EXISTING SUPPLY DIFFUSER AND ASSOCIATED SUPPLY DUCTWORK SHALL BE RELOCATED TO THIS LOCATION.
5. 250 CFM INTAKE VENTILATOR UP TO GRABITY INTAKE VENTILATOR AT ROOF ABOVE. MC SHALL PROVIDE TRANSITIONS AS NECESSARY TO MAKE CONNECTION.
6. NEW SUPPLY AIR DUCTWORK SHALL CONNECT TO EXISTING INTAKE VENTILATOR AT ROOF ABOVE. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.
7. 60X24" POTTERIEF EDC-24S RELIEF AIR LOUVER SHALL BE INSTALLED ABOVE ROOF ABOVE. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.
8. EXISTING SUPPLY GRILLE AND ASSOCIATED BRANCH DUCTWORK AND APPURTENANCES TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD.
9. 60X24" POTTERIEF EDC-24S RELIEF AIR LOUVER SHALL BE INSTALLED ABOVE ROOF ABOVE. VERIFY SIZE AND LOCATION OF EXISTING DUCTWORK IN FIELD.



1 THIRD FLOOR MECHANICAL PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF GERRARD ASSOCIATES ARCHITECTS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF GERRARD ASSOCIATES ARCHITECTS IS STRICTLY PROHIBITED. THE USER ASSUMES ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION PROVIDED HEREON. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATORY APPROVALS. ALL DIMENSIONS AND FINISH CONDITIONS SHALL BE REFERRED TO BY THE CONTRACTOR AT ALL TIMES.

REVISIONS

NO.	DESCRIPTION



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

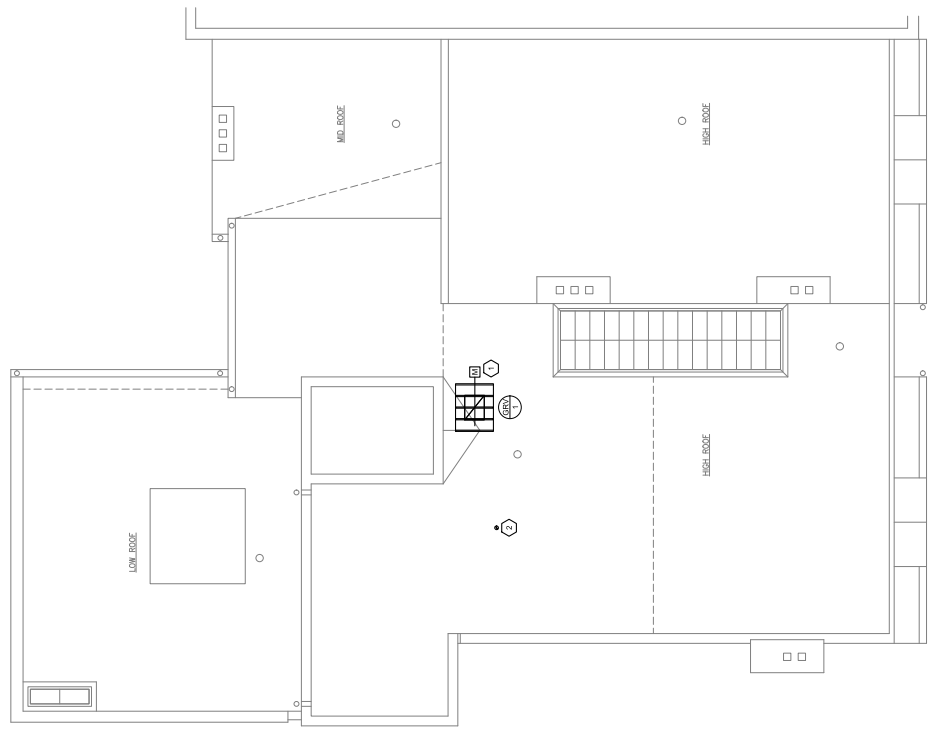
DRAWING TITLE:
ROOF MECHANICAL PLAN
DRAWING NO.:
2005
REVISION NO.:
△
DATE:
02/15/2021
M-204

MECHANICAL GENERAL NOTES:

- NO EQUIPMENT OR CONTROL DEVICES SHALL BE SERVICED OR ACCESSED VIA ROOF.
- MECHANICAL VENT TERMINATIONS AT ROOF SHALL BE FINISHED WITH A 1/4" HIGH MINIMUM ROOF CURB. ROOF CURBS SHALL BE LOCATED AS NECESSARY TO COORDINATE WITH ROOF.
- MECHANICAL FRESH AIR INTAKES SHALL BE LOCATED NO LESS THAN 10 FEET FROM MECHANICAL EXHAUST OUTLETS. MECHANICAL EXHAUST INTAKES SHALL BE LOCATED NO LESS THAN 3 FEET FROM MECHANICAL EXHAUST OUTLETS.

MECHANICAL KEY NOTES:

- GRWT SHALL BE INSTALLED ON 1" HIGH INSULATED ROOF CURB. FRESH AIR DUCTWORK WITH MOTORIZED CONTROL DAMPER DOWN TO FLOOR BELOW.
- VERTICAL CONCENTRIC VENT TERMINATION FINISHES AT 1" MINIMUM CURB FOR THE MECHANICAL EXHAUST OUTLET. MECHANICAL EXHAUST INTAKE SHALL BE INSTALLED FOR THE MANUFACTURER'S INSTALLATION REQUIREMENTS.



1 ROOF MECHANICAL PLAN
1/8" = 1'-0"

FOR CONSTRUCTION

THE CONTRACTOR SHALL VERIFY THAT ALL WORK IS IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.

REVISIONS

1. A



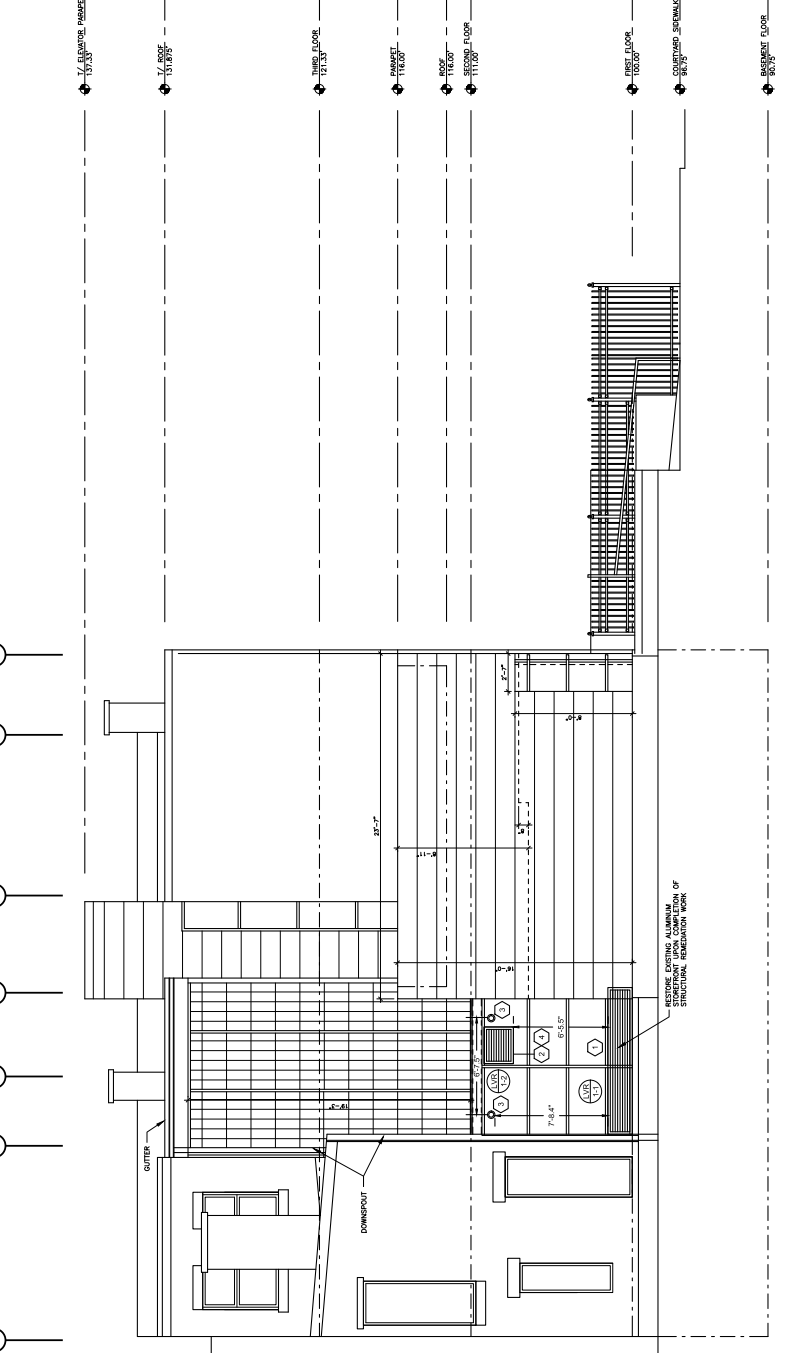
PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER REHAB
 BUILDING #35
 1205 LIVERPOOL STREET
 PITTSBURGH, PA 15233



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

SITE MECHANICAL PLAN

PROJECT NO. 2025
 DATE 02/15/2021
 REV. NO. 1
 DATE 02/15/2021
 DRAWING NO. M-205



MECHANICAL GENERAL NOTES:

1. MECHANICAL EQUIPMENT, SUPPLIES, AND CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
2. ALL MECHANICAL EQUIPMENT, SUPPLIES, AND CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
3. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
4. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
5. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
6. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.
7. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PITTSBURGH MECHANICAL CODE AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 90A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. ALL DIMENSIONS AND FINISHES SHALL BE REFERRED TO THE CONTRACTOR'S DRAWINGS.

MECHANICAL KEY NOTES:

1. NEW LOWER LVH-1 SHALL BE INSTALLED IN LOWER SECTION OF EXISTING STOREFRONT WINDOW. FINAL SIZE OF LOWER LOWER SECTION OF STOREFRONT WINDOW. PROVIDE BRIDEGREEN AT COVER.
2. NEW LOWER LVH-2 SHALL BE INSTALLED IN LOWER SECTION OF EXISTING STOREFRONT WINDOW. PROVIDE BRIDEGREEN AT COVER.
3. COMBUSTION AIR AND VENT FLUE PIPING TERMINATES AT EXTERIOR WALL VIA 4" CONCENTRIC VENT TERMINATION. PROVIDE BRIDEGREEN AT TERMINATION. PROVIDE BRIDEGREEN AT EXTERIOR WALL.
4. RELIEF AIR LOWER LVH-2 SHALL BE INSTALLED NO LESS THAN 3 FEET ABOVE TOP OF LOWER LVH-1. PROVIDE BRIDEGREEN AT TERMINATION. PROVIDE BRIDEGREEN AT EXTERIOR WALL.

1 SOUTH ELEVATION MECHANICAL PLAN
 1/4" = 1'-0"

FOR CONSTRUCTION

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL AND PLUMBING CODES AND THE MECHANICAL AND PLUMBING CODES FOR THE COMMONWEALTH OF PENNSYLVANIA. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL AND PLUMBING CODES AND THE MECHANICAL AND PLUMBING CODES FOR THE COMMONWEALTH OF PENNSYLVANIA.

REVISIONS

NO.	DESCRIPTION	DATE



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER
REHAB
 1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233

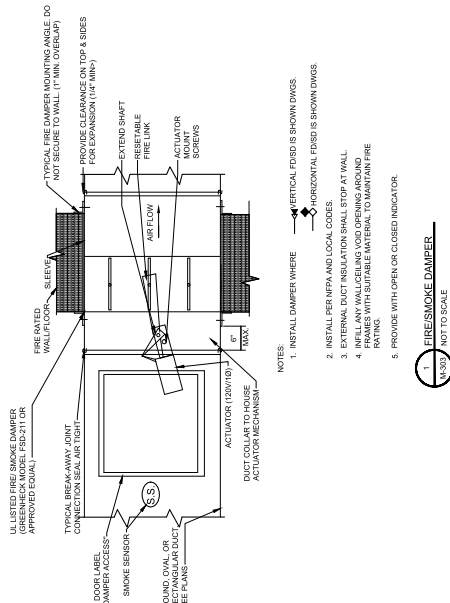


GERARD ASSOCIATES ARCHITECTS
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 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

MECHANICAL DETAILS

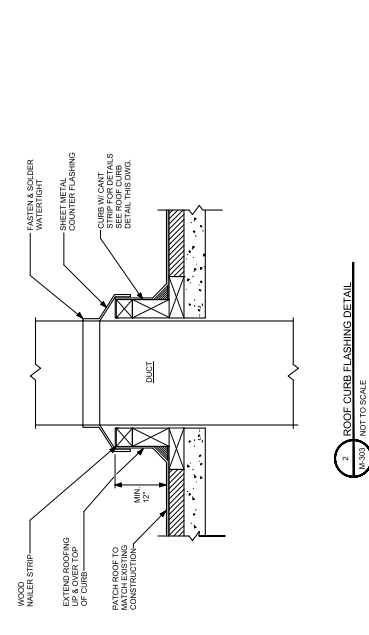
REVISED BY	DATE	DESCRIPTION

PROJECT NO. 2065
 DRAWING NO. M-303
 DATE 02/15/2021

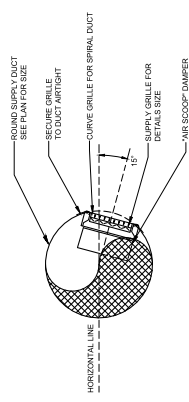


- NOTES:
- INSTALL DAMPER WHERE
 - INSTALL PER NFPA AND LOCAL CODES.
 - EXTERNAL DUCT INSULATION SHALL STOP AT WALL.
 - IF ANY WALL/CEILING VOID OPENINGS AROUND DAMPER, FILL WITH SUITABLE MATERIAL TO MAINTAIN FIRE RATING.
 - PROVIDE WITH OPEN OR CLOSED INDICATOR.

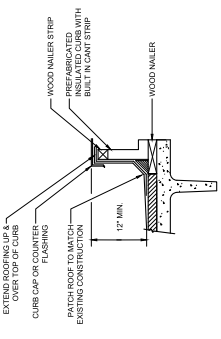
1. FIRE SMOKE DAMPER
 M-330 NOT TO SCALE



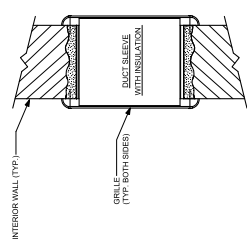
2. ROOF CURB FLASHINGS DETAIL
 M-300 NOT TO SCALE



3. DUCT MOUNTED SUPPLY AIR GRILLE
 M-300 NO SCALE



4. PREFABRICATED CURB DIAGRAM
 M-300 NO SCALE



5. RETURN AIR TRANSFER W/ GRILLES THROUGH NON-RATED WALL DETAIL
 M-300 NOT TO SCALE

Allen + Shaniff
 MPE Engineering
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532
 ASE JOB #2041090

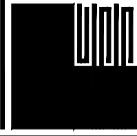
FOR CONSTRUCTION

REVISIONS

NO. DATE BY



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

MECHANICAL SCHEDULES

DATE: 03/15/2021	REVISED: 03/15/2021
PROJECT: M-402	DRWG NO: M-402

HVAC LOADERS

TAG	MAKE/MODEL	MAX AIR FLOW (CFM)	INTAKE EXH. (CFM)	SIZE (WxHxD)	W	H	D	INLET AREA (SQ FT)	P.D. (IN W.C.)	MATERIAL	FRAME TYPE	BLADE TYPE	FINISH/COLOR	NOTES
LVR-1-1	POTTORFF EFD-245	2000	INTAKE (17)	20"	17"	20"	2"	800	0.08	ALUMINUM	CHANNEL DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1
LVR-1-2	POTTORFF EFD-245	2000	RELIEF (30)	24"	30"	24"	2"	950	0.08	ALUMINUM	CHANNEL DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1
LVR-1-3	POTTORFF EFD-245	4000	RELIEF (60)	24"	60"	24"	2"	950	0.08	ALUMINUM	CHANNEL DRAINABLE HEAD	45 DEG.	BY ARCHITECT	1

1. PROVIDE BIRD SCREEN ON INSIDE FACE OF LOUVER.

ELECTRIC WALL HEATER SCHEDULE

TAG	TYPE	KW	ELEC. VOLT/PH	AMPS	CLASS. OF DESIGN	MODEL	REMARKS
EW-1-1	WALL	3.0	200/1	14.5	BERKO	FRM42WF	2,3,4,5
EW-1-2	WALL	3.0	200/1	14.5	BERKO	FRM42WF	1,4,4,5
EW-1-3	WALL	3.0	200/1	14.5	BERKO	FRM42WF	2,3,4,5

REMARKS:
 1. SURFACE MOUNTED ELECTRIC WALL HEATER.
 2. SURFACE MOUNTED ELECTRIC WALL HEATER.
 3. INTERVAL THERMOSTAT.
 4. INTERVAL THERMOSTAT.
 5. INTERVAL THERMOSTAT.

VENTILATION SCHEDULE (PHASE 1)

AIR HANDLING UNIT	AREA SERVED	SPACE DESIGNATION	AREA RATE		PEOPLE RATE				TOTAL ROOM VENT @ 100% (CFM)			TOTAL ROOM VENT @ 100% (CFM)	VENT EFFECTIVENESS (%)	REMARKS
			AREA (SQ FT)	REC'D VENT (CFM/SQ FT)	REC'D VENT (CFM)	DIVERSITY	REC'D VENT (CFM)	VENT (CFM)	VENT (CFM)	VENT (CFM)				
010 MECHANICAL ROOM	010 MECHANICAL ROOM	MECHANICAL ROOM	197	0.0	0	0.0	1.0	0	0	0	0	0.0	0.0	
020 STORAGE CORRIDOR	020 STORAGE CORRIDOR	CORRIDOR	162	0.06	0	0.0	1.0	0	10	10	10	12.2	0.8	
021A ELECTRICAL PANEL	021A ELECTRICAL PANEL	ELECTRICAL EQUIPMENT AREA	297	0.0	0	0.0	1.0	0	0	0	0	0.0	0.8	
022 DATA ROOM	022 DATA ROOM	ELECTRICAL EQUIPMENT AREA	103	0.0	0	0.0	1.0	0	0	0	0	0.0	0.8	
030 ELEVATOR MECHANICAL ROOM	030 ELEVATOR MECHANICAL ROOM	ELECTRICAL EQUIPMENT AREA	40	0.0	0	0.0	1.0	0	0	0	0	0.0	0.8	
100 ENTRY VESTIBULE	100 ENTRY VESTIBULE	VESTIBULE	36	0.0	0	0.0	1.0	0	0	0	0	0.0	0.8	
102 RESOURCE CENTER	102 RESOURCE CENTER	OFFICE	645	0.06	39	6	5.0	1.0	32	71	0.8	88.7	0.8	
202 TRAINING	202 TRAINING	LECTURE CLASSROOM	687	0.06	41	25	7.5	1.0	188	229	0.8	285.9	0.8	
205 ELEVATOR LOBBY	205 ELEVATOR LOBBY	CORRIDOR	142	0.06	9	0	0.0	1.0	0	9	0.8	10.7	0.8	
106 COMPUTER ROOM	106 COMPUTER ROOM	COMPUTER (NOT PRINTING)	413	0.06	25	2	5.0	1.0	10	35	0.8	43.9	0.8	
007 STORAGE	007 STORAGE	STORAGE - DRY MATERIALS	150	0.12	18	0	0.0	1.0	0	18	0.8	22.5	0.8	
008 STORAGE	008 STORAGE	STORAGE - DRY MATERIALS	141	0.12	17	0	0.0	1.0	0	17	0.8	21.1	0.8	
011 STORAGE	011 STORAGE	STORAGE - DRY MATERIALS	203	0.12	24	0	0.0	1.0	0	24	0.8	30.4	0.8	
105 ELEVATOR LOBBY	105 ELEVATOR LOBBY	CORRIDOR	150	0.06	9	0	0.0	1.0	0	9	0.8	11.3	0.8	
107 TOILET	107 TOILET	RESTROOM	115	0.06	11	0	0.0	1.0	0	11	0.8	13.9	0.8	EXISTING
108 KITCHENETTE	108 KITCHENETTE	BREAK ROOM	72	0.12	9	4	5.0	1.0	18	27	0.8	33.3	0.8	
110A OFFICE	110A OFFICE	OFFICE	177	0.06	11	1	5.0	1.0	4	15	0.8	18.8	0.8	
110B OFFICE	110B OFFICE	OFFICE	293	0.06	19	1	5.0	1.0	7	25	0.8	31.1	0.8	
207 TOILET	207 TOILET	RESTROOM	155	0.06	2	0	0.0	1.0	0	2	0.8	2.1	0.8	EXISTING
208 CORRIDOR	208 CORRIDOR	CORRIDOR	28	0.06	2	0	0.0	1.0	0	2	0.8	2.1	0.8	
210 KITCHENETTE	210 KITCHENETTE	BREAK ROOM	157	0.12	19	6	5.0	1.0	38	58	0.8	72.6	0.8	
211 ADMINISTRATIVE OFFICE	211 ADMINISTRATIVE OFFICE	OFFICE	283	0.06	16	1	5.0	1.0	7	22	0.8	27.9	0.8	
302 BUSINESS INCUBATOR	302 BUSINESS INCUBATOR	OFFICE	674	0.06	40	10	5.0	1.0	50	90	0.8	113.1	0.8	
305 ELEVATOR LOBBY	305 ELEVATOR LOBBY	CORRIDOR	185	0.06	10	0	0.0	1.0	0	10	0.8	12.4	0.8	
307 WORKROOM	307 WORKROOM	OFFICE	450	0.06	26	4	5.0	1.0	20	46	0.8	57.3	0.8	

REMARKS:
 1. CALCULATIONS WERE PERFORMED BASED ON IAC-2015 SECTIONS 902.4.403. MINIMUM ON-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.

GRILLE, REGISTER & DIFFUSER SCHEDULE (PHASE 1)

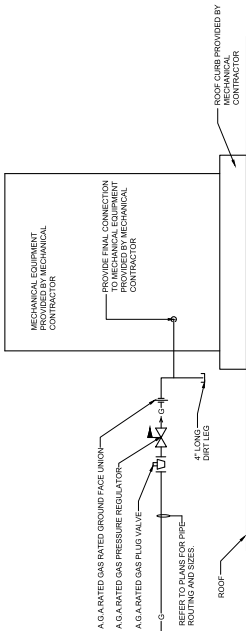
TAG	FACE (WIDTH) x (HEIGHT)	DEFLECTION (DEG)	CON. SIZE	CON. TYPE	P.D. (IN W.C.)	MAX. IN. DEFLECTION	MODEL	REMARKS
S-1	14.6 x 14.6	N/A	2-WAY	1298	310	0.17	23	PRICE 5300 12,3
S-2	20.6 x 20.6	N/A	1-WAY	1986	350	0.11	29	PRICE LFG-SA 12,3,4,5,6
S-3	24.2 x 24.2	N/A	4-WAY	670	314	0.08	22	PRICE 5000 12,3
RG-1	14.6 x 17"	0"	1298	312	0.18	32	PRICE 5300 12,3	
RG-2	16" x 14"	0"	1412	749	0.14	33	PRICE 5300 12,3	
RG-3	20" x 16"	0"	1814	1120	0.14	36	PRICE 5300 12,3	
RG-4	28" x 22"	12"	2420	2000	0.12	33	PRICE 5300 12,3	

REMARKS:
 1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES AND MOUNTING.
 2. COLOR SELECTED BY ARCHITECT.
 3. PROVIDE OPPOSED BLADE DAMPERS AT DIFFUSERS, GRILLES, OR REGISTERS IF INSTALLED IN
 4. HEAVY DUTY LINEAR FLOOR GRILLE
 5. PROVIDE BUTTERFLY DAMPER AT ROUND SUPPLY DUCT OPENINGS.
 6. PROVIDE BUTTERFLY DAMPER AT ROUND SUPPLY DUCT OPENINGS.

TRANSFER AIR DUCT SCHEDULE

DESIGNATION	DUCT SIZE	CFM RANGE	DETAIL
T1	12 x 6	0-300	RSN-302
T2	24 x 12	0-1200	-
T3	24 x 12	0-1500	RSN-303

REMARKS:
 1. BASED ON SUBMITTED P.D. - 700 FPM
 2. REFER TO DETAIL FOR DUCT CONFIGURATION.
 3. EACH END OF TRANSFER DUCT SHALL BE EQUIPPED WITH LOUVERED
 4. SINGLE DEFLECTION RETURN GRILLE OF EQUAL SIZE (MODEL PRICE 5500).



1. TYPICAL GAS EQUIPMENT CONNECTION DETAIL
NOT TO SCALE

PLUMBING LEGEND			
SYMBOL	ABRV.	DESCRIPTION	SYMBOL
[Symbol]	SAK	SANITARY PIPING	[Symbol]
[Symbol]	SW	KITCHEN WASTE PIPING (TO GREASE INTERCEPTOR)	[Symbol]
[Symbol]	ST	STORM PIPING (PRIMARY)	[Symbol]
[Symbol]	OD	SECONDARY / OVERFLOW DRAIN PIPING	[Symbol]
[Symbol]	V	VENT PIPING	[Symbol]
[Symbol]	CW	COLD WATER PIPING	[Symbol]
[Symbol]	HW	HOT WATER PIPING	[Symbol]
[Symbol]	HW	HOT WATER RETURN PIPING	[Symbol]
[Symbol]	TP	TRAP PRIMER PIPING	[Symbol]
[Symbol]	G	GAS PIPING (NATURAL GAS OR PROPANE)	[Symbol]
[Symbol]	FO	FUEL OIL PIPING	[Symbol]
[Symbol]	S	SPRINKLER PIPING	[Symbol]
[Symbol]	CD	CONDENSATE DRAIN PIPING	[Symbol]
[Symbol]	EW	EXISTING PIPING TO REMAIN (LINE TYPE INDICATES SERVICE TYPE UNO)	[Symbol]
[Symbol]	EX	EXISTING PIPING TO BE REMOVED (UNLESS NOTED OTHERWISE)	[Symbol]
[Symbol]	RK	EXISTING PIPING TO BE REMOVED (UNLESS NOTED OTHERWISE)	[Symbol]
[Symbol]	RV	REDUCING VALVE	[Symbol]
[Symbol]	PRV	PRESSURE REDUCING VALVE	[Symbol]
[Symbol]	PRV	PRESSURE REGULATING VALVE	[Symbol]
[Symbol]	CV	CHECK VALVE	[Symbol]
[Symbol]	ST	STRAINER	[Symbol]
[Symbol]	TRP	TEMPERATURE AND PRESSURE RELIEF VALVE	[Symbol]
[Symbol]	BFP	BACK FLOW PREVENTER	[Symbol]
[Symbol]	PG	PRESSURE GAUGE	[Symbol]
[Symbol]	TM	THERMOMETER	[Symbol]
[Symbol]	AJ	ADJUSTAT	[Symbol]
[Symbol]	HWP	HOT WATER RECIRC PUMP	[Symbol]
[Symbol]	IRH	INTERIOR HOSE BIBS OR HOSE END DRAIN VALVE	[Symbol]
[Symbol]	EW	EXTERNAL WALL HYDRANT	[Symbol]
[Symbol]	ASWH	DOMESTIC SHOCK ABSORBER/WATER HAMMER ARRESTER, TEXT DENOTES SIZE (PH, A, F)	[Symbol]
[Symbol]	ECO	CLEAN OUT FLOOR	[Symbol]
[Symbol]	CO	CLEAN OUT EXPOSED	[Symbol]
[Symbol]	FD	FLOOR DRAIN	[Symbol]
[Symbol]	RD	ROOF DRAIN	[Symbol]
[Symbol]	FDR	FLOOR DRAIN WITH TRAP PRIMER	[Symbol]
[Symbol]	FDR	FLOOR SINK/RECEPTOR WITH HALF GRAVE	[Symbol]
[Symbol]	OSKY	OSKY VALVE	[Symbol]
[Symbol]	TS	OSKY VALVE WITH TAMPER SWITCH	[Symbol]
[Symbol]	PFD	FIRE DEPARTMENT SIAMESE CONNECTION	[Symbol]
[Symbol]	FPT	FIRE PUMP TEST HEADER	[Symbol]
[Symbol]	FW	FIRE HOSE VALVE CABINET	[Symbol]
[Symbol]	I.E.	INVERT ELEVATION B.F.F. (IN FEET)	[Symbol]
[Symbol]	K.E.D.	KITCHEN EQUIPMENT DESIGNATION, REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DETAILS	[Symbol]
[Symbol]	UM	UTILITY METER	[Symbol]
[Symbol]	CON	CONNECT TO EXISTING	[Symbol]
[Symbol]	DIS	DISCONNECT FROM EXISTING	[Symbol]
[Symbol]	FP	FLEXIBLE PIPE CONNECTION	[Symbol]

FOR CONSTRUCTION

NO DIMENSIONS ARE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS OF ALL MATERIALS, EQUIPMENT, AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS OF ALL MATERIALS, EQUIPMENT, AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS OF ALL MATERIALS, EQUIPMENT, AND CONSTRUCTION.

REVISIONS

NO.	DATE	DESCRIPTION



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

PLUMBING DATA SHEET
 DRAWING NO. P-001
 REVISION NO. 1
 DATE 02/15/2021
 PLOTTED BY: [Name]

FOR CONSTRUCTION

THESE PLANS ARE TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSING FOR THE WORK SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSING FOR THE WORK SHOWN ON THESE PLANS.

REVISIONS

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PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
 DEVELOPMENT &
 OPPORTUNITIES CENTER
 REHAB**
 1285 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233

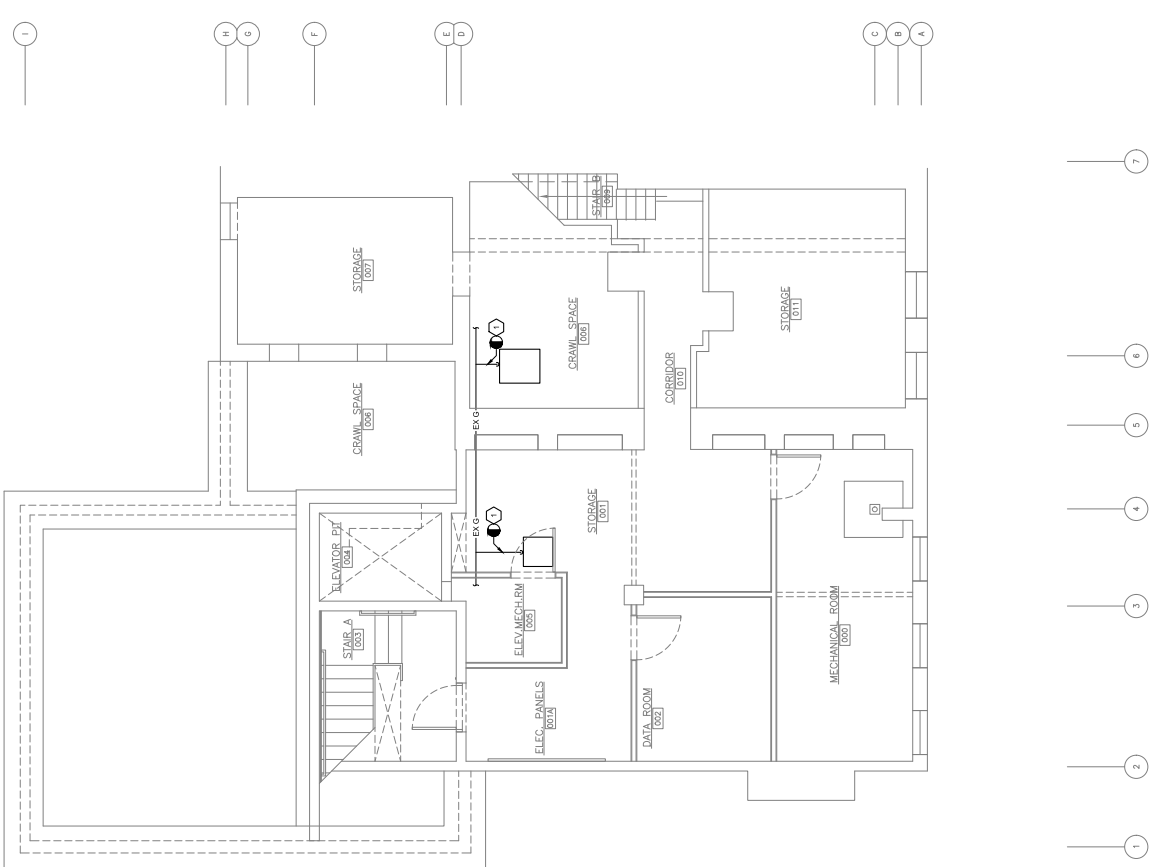


**GERARD
 ASSOCIATES ARCHITECTS**
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

DATE: 02/15/2021
**BASEMENT PLUMBING
 DEMOLITION PLAN**

DATE: 02/15/2021	REVISION NO. △	ISSUE NO. P-100
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- PLUMBING DEMOLITION GENERAL NOTES:**
- COORDINATE SERVICE SHUTDOWNS WITH BUILDING MAINTENANCE PERSONNEL AND UTILITY COMPANY.
 - MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
- PLUMBING DEMOLITION KEY NOTES:**
- REMOVE EXISTING GAS CONNECTION FROM MECHANICAL EQUIPMENT AND GAS.



1 BASEMENT PLUMBING DEMOLITION PLAN
 P-100 1/4" = 1'-0"

FOR CONSTRUCTION

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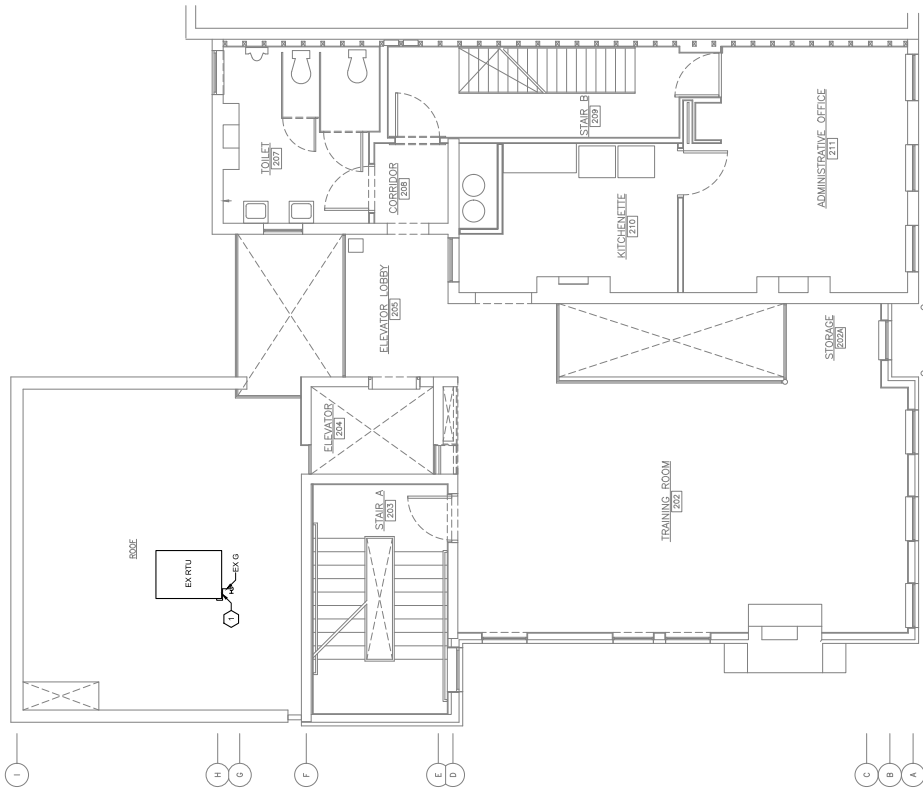
NO.	DESCRIPTION	DATE

PLUMBING DEMOLITION GENERAL NOTES:

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

PLUMBING DEMOLITION KEY NOTES:

- 1. EXISTING GAS SPRING AND CONNECTION TO EXISTING ROOF TOP GAS SHUT OFF VALVE REMAINING IN PLACE.



1 SECOND FLOOR PLUMBING DEMOLITION PLAN
P-107 1/4" = 1'-0"



PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
 DEVELOPMENT &
 OPPORTUNITIES CENTER
 REHAB**
 1285 LIVERPOOL STREET
 BUILDING #55
 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

SECOND FLOOR PLUMBING DEMOLITION PLAN	DRAWING NO.	DWG. NO.
P-107	△	P-102
REV. DATE	02/15/2021	

FOR CONSTRUCTION


ALL DIMENSIONS ARE FINISH UNLESS OTHERWISE NOTED. SEE GENERAL NOTES FOR FINISHES AND ELEVATIONS. SEE ELEVATIONS FOR FINISH GRADES. SEE MECHANICAL SCHEDULE FOR PIPING AND EQUIPMENT. SEE ELECTRICAL SCHEDULE FOR PANELS AND EQUIPMENT. SEE CIVIL SCHEDULE FOR EXTERIOR AREAS AND DRIVEWAYS. SEE STRUCTURAL SCHEDULE FOR CONCRETE AND REINFORCING. SEE ARCHITECTURAL SCHEDULE FOR WALLS, FLOORS, CEILING, AND DOORS.

REVISIONS

NO.	DESCRIPTION	DATE



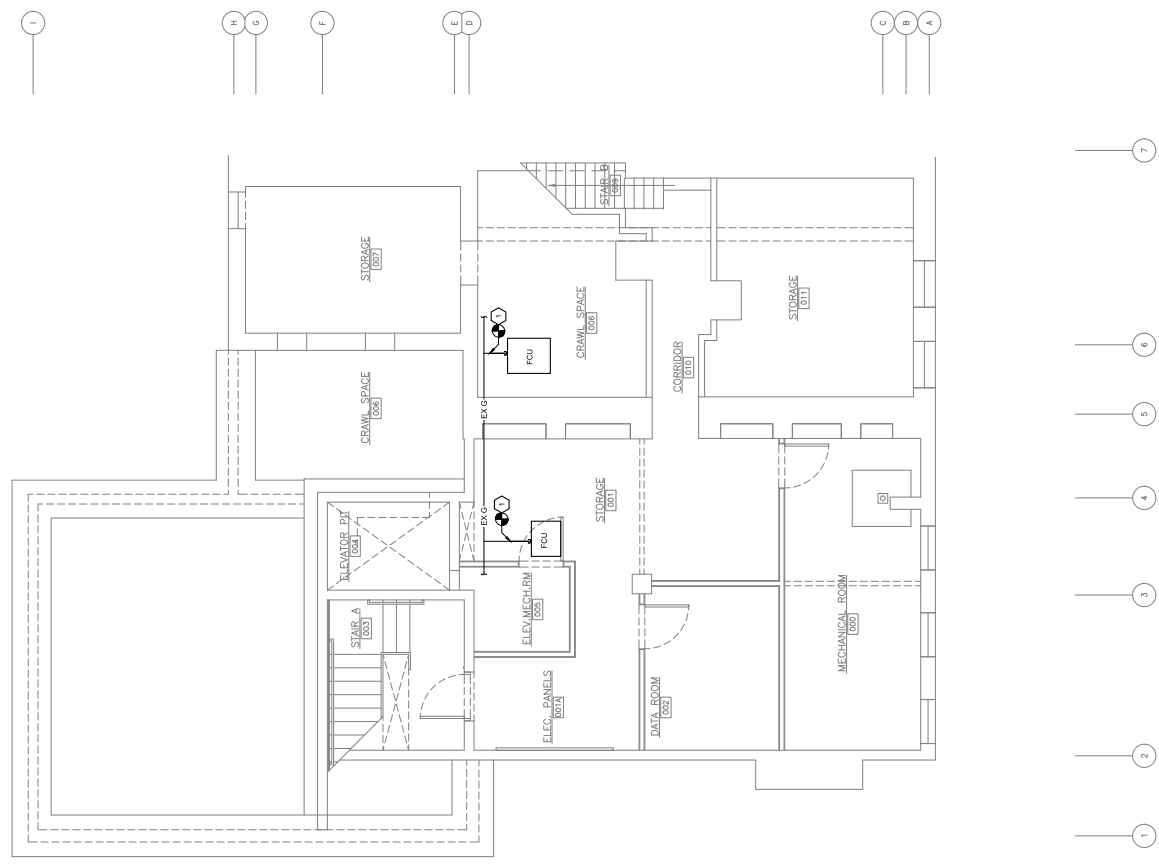
PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER
REHAB
 1285 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233



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

DATE: 02/05/2025	REVISION NO. 1	DWG NO. P-200
ISSUE DATE: 02/15/2021		

- PLUMBING GENERAL NOTES:**
- COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
 - MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
- PLUMBING KEY NOTES:**
- PROVIDE GAS CONNECTION TO MECHANICAL EQUIPMENT. SEE SHEET FOR WORK REQUIRED. CONNECT TO GAS PIPING CAPPED DURING DEMOLITION.



1 BASEMENT PLUMBING PLAN
 P-200 1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

Table with 2 columns: Description, Date/Author. Contains multiple revision entries.



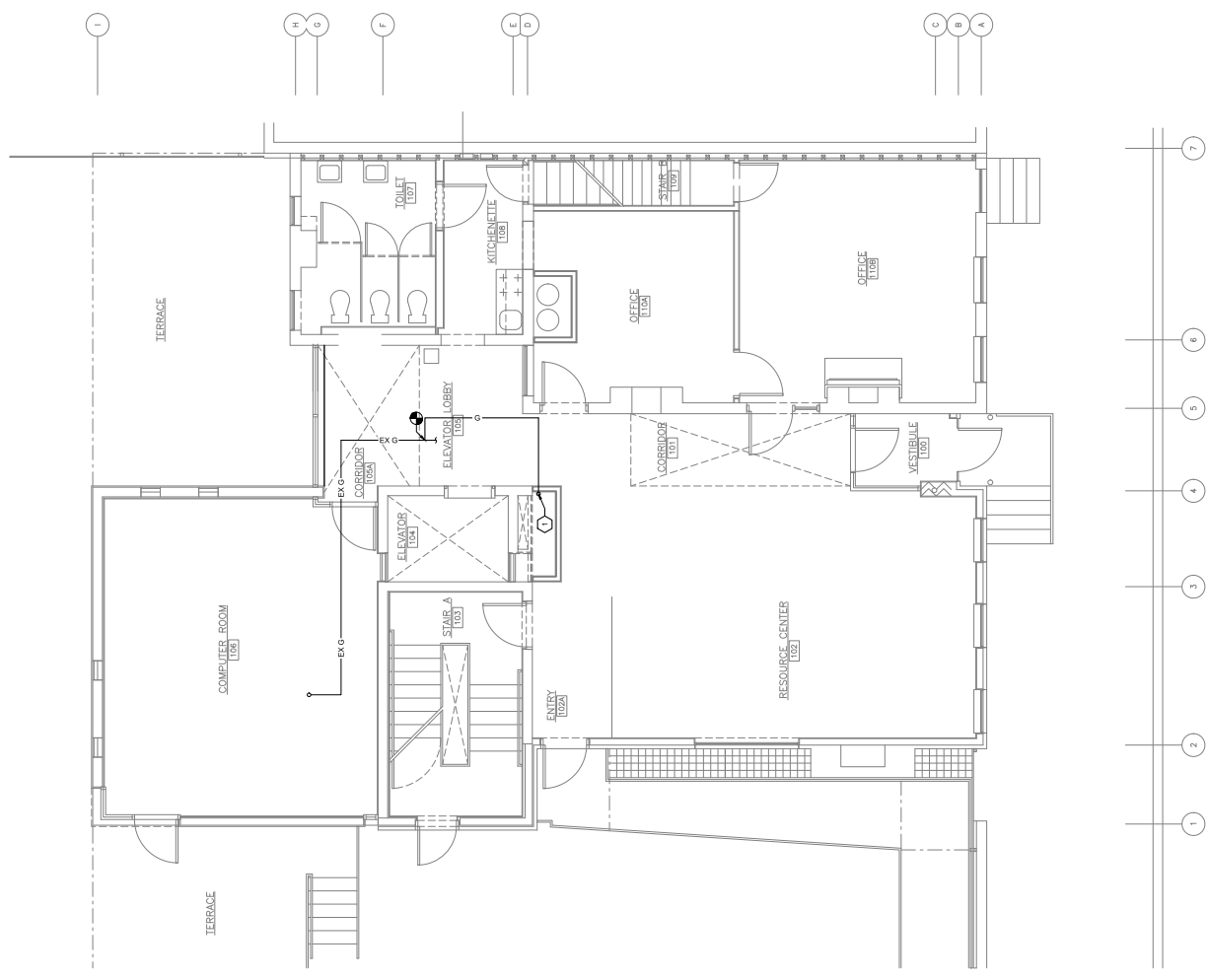
PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

PROJECT INFORMATION table with fields: DRAWING NO. (P-201), REVISION NO. (1), DATE (02/15/2021), and other details.

- PLUMBING GENERAL NOTES:
1. COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
- PLUMBING KEY NOTES:
1. PROVIDE GAS SPRING UP TO SERVE NEW MECHANICAL EQUIPMENT ON THIS FLOOR.



1 FIRST FLOOR PLUMBING PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

ALL DIMENSIONS AND FINISH CONDITIONS SHALL BE FURNISHED AND VERIFIED BY THE CONTRACTOR AT HIS OWNERS RISK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

REVISIONS

NO REVISIONS



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



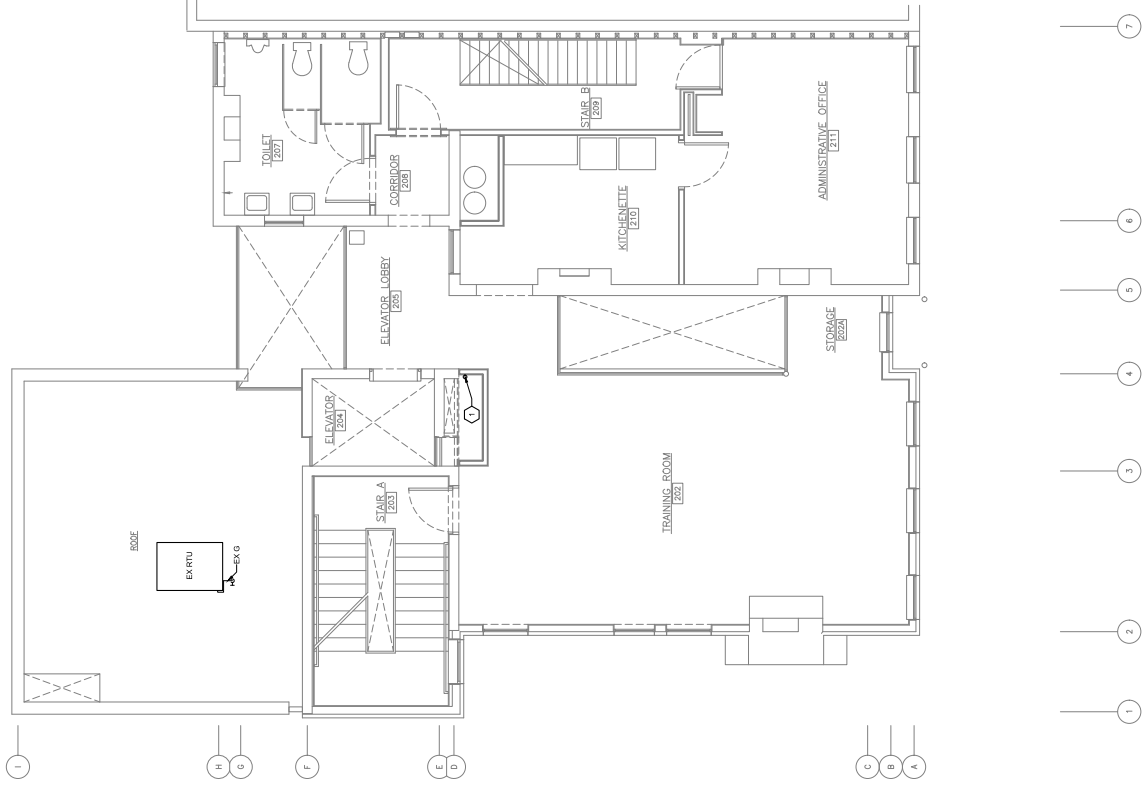
GERARD
ASSOCIATES ARCHITECTS
410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

ISSUANCE DATE:
SECOND FLOOR PLUMBING
PLAN

NO. 2025
DATE 02/15/2021
REVISION NO. \triangle
DRAWING NO. P-202

PLUMBING GENERAL NOTES:
1. COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
2. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.

PLUMBING KEY NOTES:
1. PROVIDE GAS PIPING UP TO SERVE NEW MECHANICAL EQUIPMENT ON THIS FLOOR.



1 SECOND FLOOR PLUMBING PLAN
1/4" = 1'-0"

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NO DIMENSIONS AND FINISH CONDITIONS SHALL BE FETTERED AND TYPED BY THE CONTRACTOR AT HIS OWN RISK.

REVISIONS

NO.	DATE	DESCRIPTION
1	02/15/2021	ISSUED FOR PERMIT



PROPERTY REHABILITATION FOR:

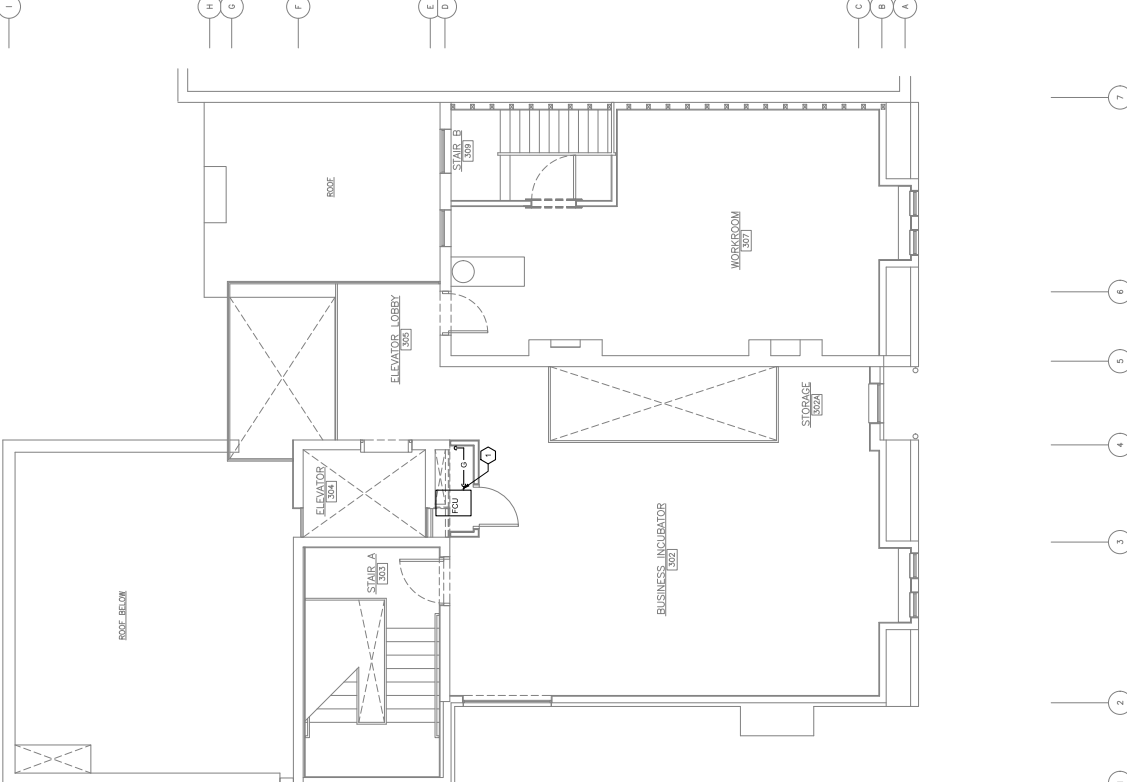
**HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB**
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



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

DATE 02/15/2021	REVISION NO. 1	TITLE PLUMBING PLAN	DWG. NO. P-203
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- PLUMBING GENERAL NOTES:**
- COORDINATE LOCATIONS OF PIPING AND FIXTURES WITH ARCHITECT.
 - MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
- PLUMBING KEY NOTES (A):**
- PROVIDE GAS CONNECTION TO ALL GAS-FIRED EQUIPMENT. SHEET P001 FOR WORK REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.



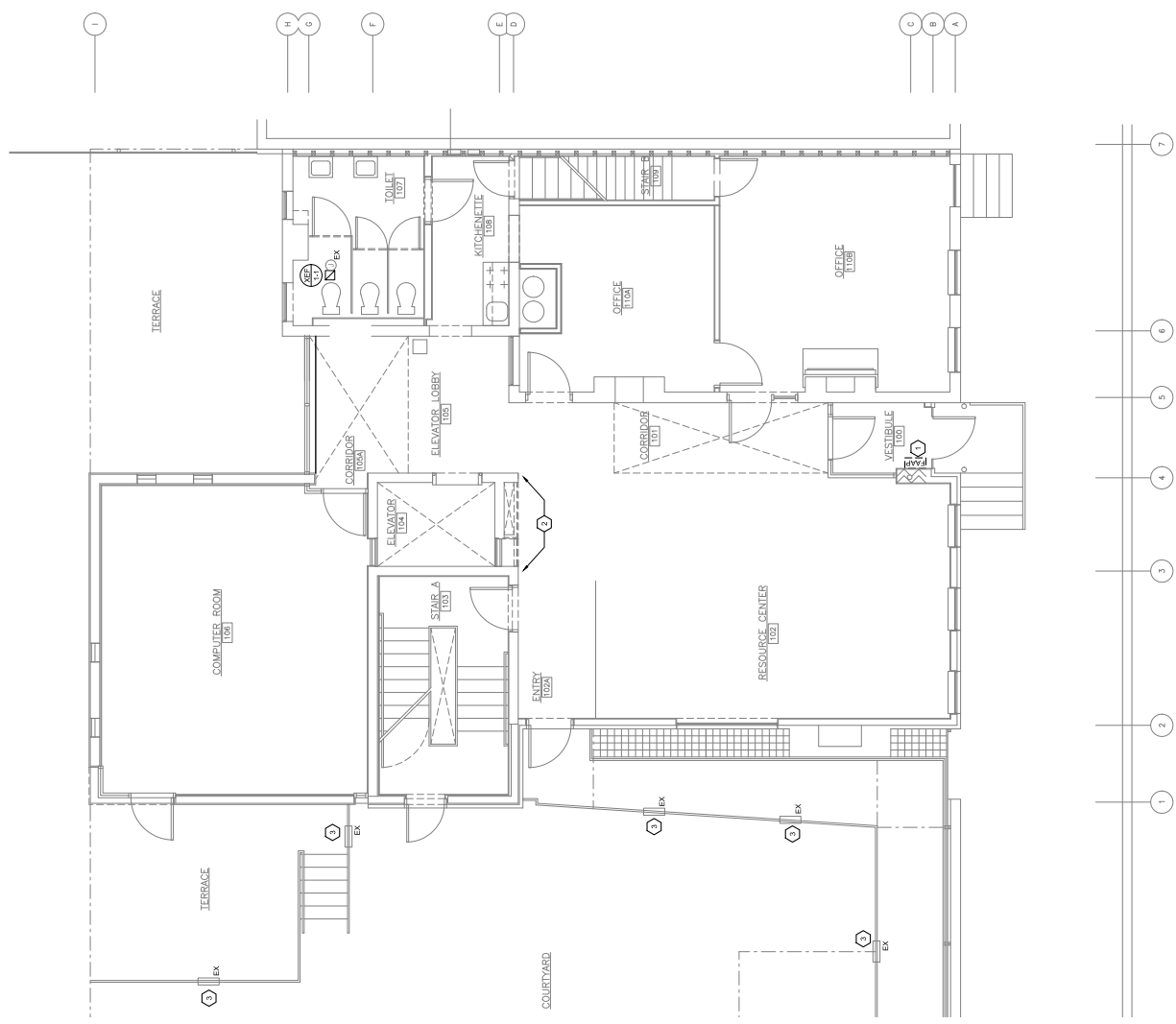
1 THIRD FLOOR PLUMBING PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

ELECTRICAL DEMOLITION GENERAL NOTES:

- 1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. DEMOLITION WORK SHALL BE SCHEDULED AS SHOWN, UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILINGS AND ON WORKING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION SHALL BE IDENTIFIED WITH A 'D' OR 'E' MARKING. NOT TO BE DISCONNECTED AND REMOVED. INTERCEPT AND REMOVE ALL WIRING TO THE DEVICE 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. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERIES, ASSOCIATED CONTROL DEVICES SHALL BE DEMOLISHED. EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. DEMOLITION WORK SHALL BE SCHEDULED AS SHOWN. REFER TO UNDERSTAND THE DEMOLITION SCHEDULE. REFER TO ALTERNATE NOTE ON THIS SHEET FOR MORE INFORMATION.
7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. DEMOLITION WORK SHALL BE SCHEDULED AS SHOWN. REFER TO UNDERSTAND THE DEMOLITION SCHEDULE.
ELECTRICAL DEMOLITION KEY NOTES:
1. DEMOLISH EXISTING FIRE ALARM ANNUNCIATOR PANEL.
2. DISCONNECT AND REMOVE ALL DEVICES THAT CONFLICT WITH NEW ELECTRICAL WORK AND DEMOLITION WORK. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. COORDINATE WITH ARCHITECT WHICH DEVICES TO BE DEMOLISHED. REFER TO NEW WORK PLANS FOR MORE INFORMATION.
3. EXISTING DEVICES TO REMAIN SHALL MAINTAIN AND/OR BE RELOCATED TO NEW CONTROL DEVICES.



ALTERNATE: CONTRACTOR SHALL PRICE SEPARATELY ALL WORK... ASSOCIATED WITH THE DEMOLITION OF THE EXISTING PROFIT, INCLUDING THE DEMOLITION OF THE EXISTING PROFIT, INCLUDING THE DEMOLITION OF THE EXISTING PROFIT...



PROPERTY REHABILITATION FOR: HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB 1285 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

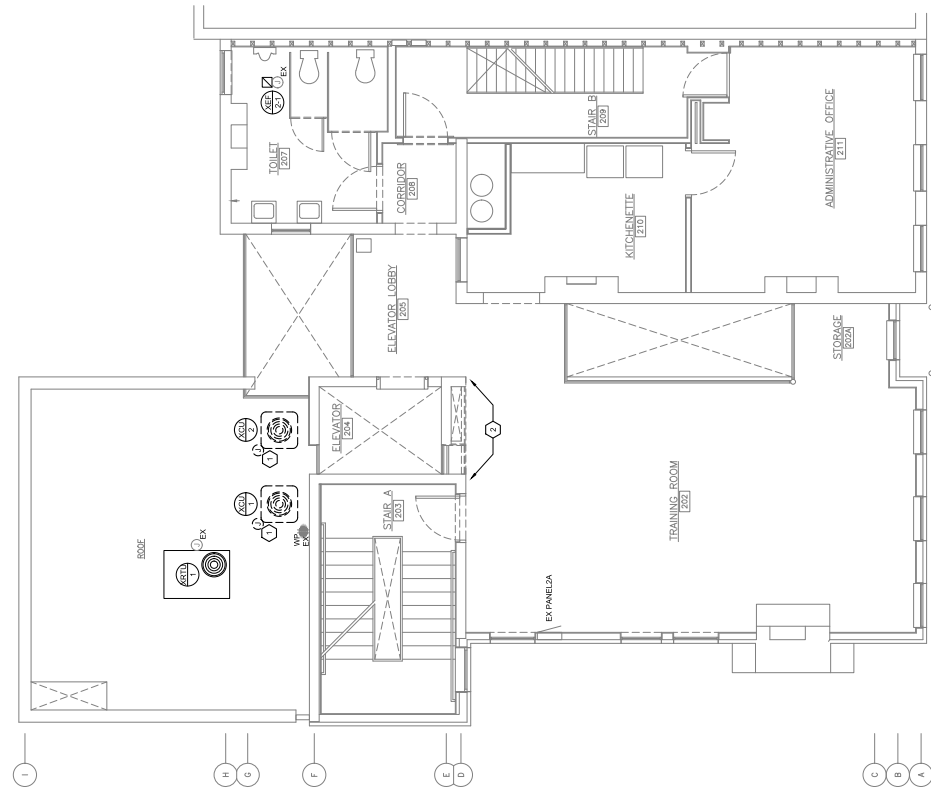
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1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN 1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

- ELECTRICAL DEMOLITION GENERAL NOTES:
1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ALL EXISTING ELECTRICAL EQUIPMENT IS TO REMAIN, MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILING AND OR WIRING DEVICES SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED. INTERCEPT CONTINUITY OF POWER TO EXISTING DEVICES.
5. NOT ALL DEVICES ON WALLS THAT ARE SCHEDULED AS EXISTING TO REMAIN ARE REPRESENTED ON THIS PLAN. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICES SHOULD BE REMOVED OR NOT.
6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY BACKUPS, INTERCEPT CONTROLS AND OTHER ELECTRICAL CONTROL DEVICES SHALL BE DEMOLISHED. EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICES SHOULD BE REMOVED OR NOT.
7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION DEVICES SHALL BE DEMOLISHED. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICES SHOULD BE REMOVED OR NOT.
ELECTRICAL DEMOLITION KEY NOTES:
1. DEMOLISH AND RELOCATE ALL DEVICES AND ASSOCIATED CONDUIT, WIRING AND DISCONNECTS, EXCEPT WHERE SHOWN TO REMAIN. DEMOLISH ANY AND ALL ASSOCIATED CONDUIT, WIRING AND DISCONNECTS, EXCEPT WHERE SHOWN TO REMAIN.
2. WITH THE NEW MECHANICAL CHASE, CONFIRM LOCATION OF ALL MECHANICAL CHASES, INCLUDING ANY DRAINAGE, COORDINATE WITH ARCHITECT. MECHANICAL CHASES SHALL BE SALVAGED FOR REINSTALLATION AND WHICH PLANS FOR MORE INFORMATION. REFER TO NEW WORK PLANS FOR MORE INFORMATION.



ALTERNATE: CONTRACTOR SHALL PRICE SEPARATELY ALL WORK ITEMS ASSOCIATED WITH THE DEMOLITION OF THE EXISTING MECHANICAL CHASES, INCLUDING THE REMOVAL OF EXISTING CEILING AND CONTROL PANELS PROGRAMMING. GENERAL CEILING AND CONTROL PANELS PROGRAMMING SHALL BE ASSOCIATED WITH SALVAGING AND REINSTALLING EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER
REHAB
1285 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

Table with project details: DRAWING TITLE (SECOND FLOOR ELECTRICAL DEMOLITION PLAN), DATE (02/15/2021), DRAWING NO. (E-102), REVISION NO. (1), and REVISION (1).

1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

THIS PLAN IS A PRELIMINARY CONSTRUCTION DOCUMENT FOR THE CONSTRUCTION OF THE HAP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF PITTSBURGH AND THE PENNSYLVANIA DEPARTMENT OF REVENUE.

REVISIONS

NO.	DATE	DESCRIPTION



PROPERTY REHABILITATION FOR:
**HAP TASK ORDER #35
 DEVELOPMENT &
 OPPORTUNITIES CENTER
 REHAB**
 1285 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

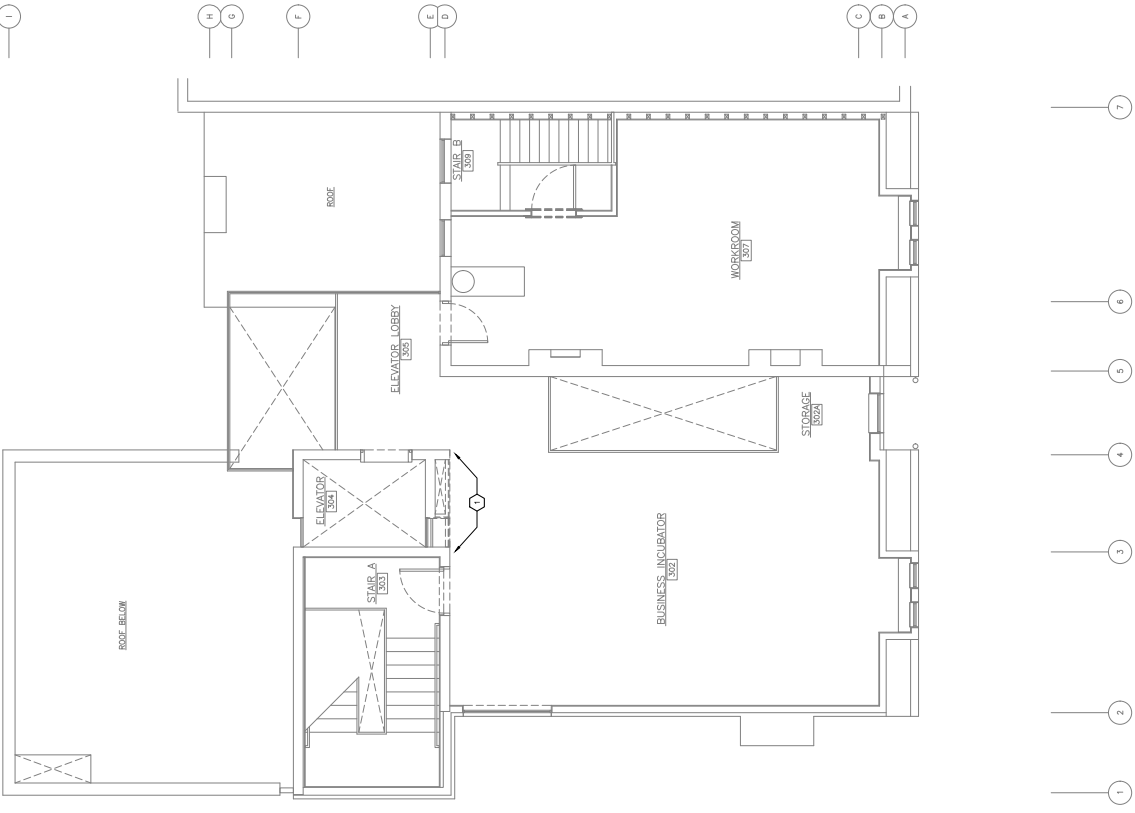
DRAWING TITLE	
THIRD FLOOR ELECTRICAL DEMOLITION PLAN	
DATE: 02/15/2021	FIG. NO.: E-103
ISSUE DATE: 02/15/2021	REVISION: Δ

ELECTRICAL DEMOLITION GENERAL NOTES:

1. ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL BE RECORDED AS EXISTING TO REMAIN, MAINTAIN EXISTING CIRCUITRY UNLESS OTHERWISE NOTED ON NEW WORK PLANS.
3. ALL HOLES IN WALLS, COLUMN ENCLOSURES, CEILING AND FLOOR SHALL BE PATCHED AND PAINTED PER THE ARCHITECT.
4. ALL DEVICES ON WALLS THAT ARE SCHEDULED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED. INTERCEPT OF POWER TO EXISTING DEVICES SHALL BE MAINTAINED TO THE EXTENT POSSIBLE 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. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICE SHOULD BE REMOVED OR NOT.
6. ALL EXISTING LIGHTING FIXTURES, EMERGENCY BATTERY SUPPLIES, TRANSFORMERS, CONTROL DEVICES SHALL BE DEMOLISHED. DEMOLITION OF EXISTING LIGHTING AND CONTROL DEVICES IS NOT REPRESENTED ON THIS PLAN. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT WHETHER DEVICES SHOULD BE SALVAGED OR REMOVED. REFER TO UNDERSTAND THE DEMOLITION SCOPE.
7. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION EQUIPMENT SHALL BE DEMOLISHED. DEMOLITION OF EXISTING FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT UNDERSTANDING THE DEMOLITION SCOPE.

ELECTRICAL DEMOLITION KEY NOTES:

1. DISCONNECT AND REMOVE ALL DEVICES THAT CONFLICT WITH NEW ELECTRICAL AND MECHANICAL SYSTEMS. REFER TO UNDERSTAND THE DEMOLITION SCOPE FOR MORE INFORMATION.
2. ALL EXISTING FIRE ALARM NOTIFICATION AND INITIATION EQUIPMENT SHALL BE DEMOLISHED. DEMOLITION OF EXISTING FIRE ALARM EQUIPMENT IS NOT REPRESENTED ON THIS PLAN. CONSULT WITH ARCHITECT AND BUILDING OWNER ABOUT UNDERSTANDING THE DEMOLITION SCOPE.



ALTERNATE:
 CONTRACTOR SHALL PRICE SEPARATELY ALL WORK ITEMS ASSOCIATED WITH THE DEMOLITION OF THE EXISTING ELECTRICAL SYSTEM AND EQUIPMENT. ALL ITEMS TO BE DEMOLISHED WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE BIDDER'S ALTERNATE INCLUDING BUT NOT LIMITED TO: EXISTING ELECTRICAL SYSTEMS, LIGHTING FIXTURES, PANELS, PROGRAMMING, GENERAL CEILING AND WALL DEVICES TO BE SALVAGED AND REMAINING EXISTING DEVICES TO ALLOW FOR THE NEW MECHANICAL CHASE.

1 THIRD FLOOR ELECTRICAL DEMOLITION PLAN
 E-103 1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS
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PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
 1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233

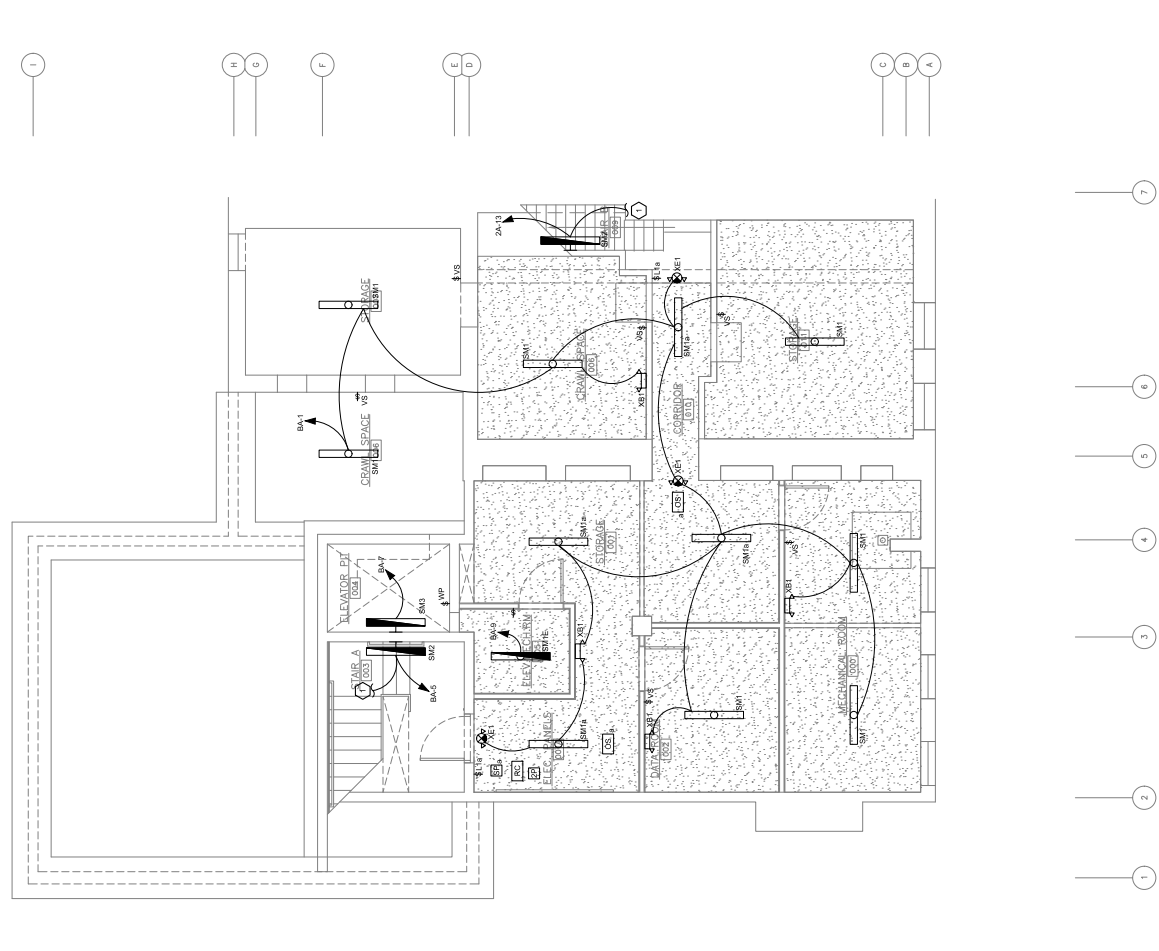


GERARD
ASSOCIATES ARCHITECTS
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT LIGHTING PLAN
 DRAWING NO: E-200
 REVISION NO: 1
 DATE: 02/15/2021

LIGHTING GENERAL NOTES:
 1. FIRE STOP ALL FIRE RATED FLOORS, CEILING, AND WALLS
 TO CORRESPOND TO THE ORIGINAL DESIGN AND MEET THE
 REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND
 THE NATIONAL BOARD OF FIRE UNDERWRITERS (NBFU). THE
 FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC
 CHAPTER 7.
 2. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL
 PENETRATIONS THROUGH FIRE RESISTANT WALLS AND
 CEILING.
 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT
 THROUGH UNOCCUPIED AREAS, CONCEALED IN WALLS OR
 BUILDING STRUCTURE WHERE CONCEALED WITHIN WALLS
 OR ABOVE CEILING. MC CABLE IS PERMISSIBLE. EXPOSED
 CONDUIT SHALL BE RATED FOR THE TYPES AND VOLTAGES
 OF THE CIRCUITS AND SHALL BE PROTECTED AGAINST
 MECHANICAL DAMAGE. PROVIDE PROTECTIVE COATING
 AND EXACT LIGHTING FIXTURE LOCATIONS AND
 DIMENSIONAL INFORMATION.
 4. EXIT SIGNS AND EMERGENCY WALL PACKS SHALL BE
 NOTED AHEAD OF LOCAL CONTROLS.
 5. OCCUPANCY VACANCY SENSORS HAVE BEEN LOCATED
 PER THE RECOMMENDED SPACING OF THE MANUFACTURER.
 THE LOCATION AND VOLTAGE OF THE SENSORS SHALL BE
 VERIFIED BY THE MANUFACTURER.
 FOR PRODUCT IS SUBMITTED AS EQUALS.

LIGHTING KEY NOTES:
 1. CONDUIT SHALL PERTAIN TO ALL LIGHTING FIXTURES IN
 ENTIRE STAIRWELL.



1 BASEMENT LIGHTING PLAN
 1/4" = 1'-0"

ALTERNATE:
 CONTRACTOR SHALL PRICE SEPARATELY ALL WORK
 ASSOCIATED WITH THE DEMOLITION OF THE EXISTING
 PROFIT. ASSOCIATED WITH THE DEMOLITION OF THE EXISTING
 WITH THE REPLACEMENT OF EXISTING FIXTURES SHALL BE
 INCLUDED IN THE BIDDING ALTERNATE INCLUDING BUT NOT
 LIMITED TO THE DEMOLITION OF EXISTING CONTROL PANELS,
 WIRED CONTROLS, CONTROL PANELS, PROGRAMMING,
 THE DEMOLITION OF EXISTING DEVICES TO ALLOW FOR
 THE NEW MECHANICAL CHASE.

FOR CONSTRUCTION

ALL DIMENSIONS AND FINISHES SHOWN SHALL BE FIELD AND SHOWN BY THE CONTRACTOR AT HIS OWN RISK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FINISHES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

REVISIONS

NO.	DATE	DESCRIPTION



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 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

DATE: 02/15/2021
DRAWING NO.: E-202

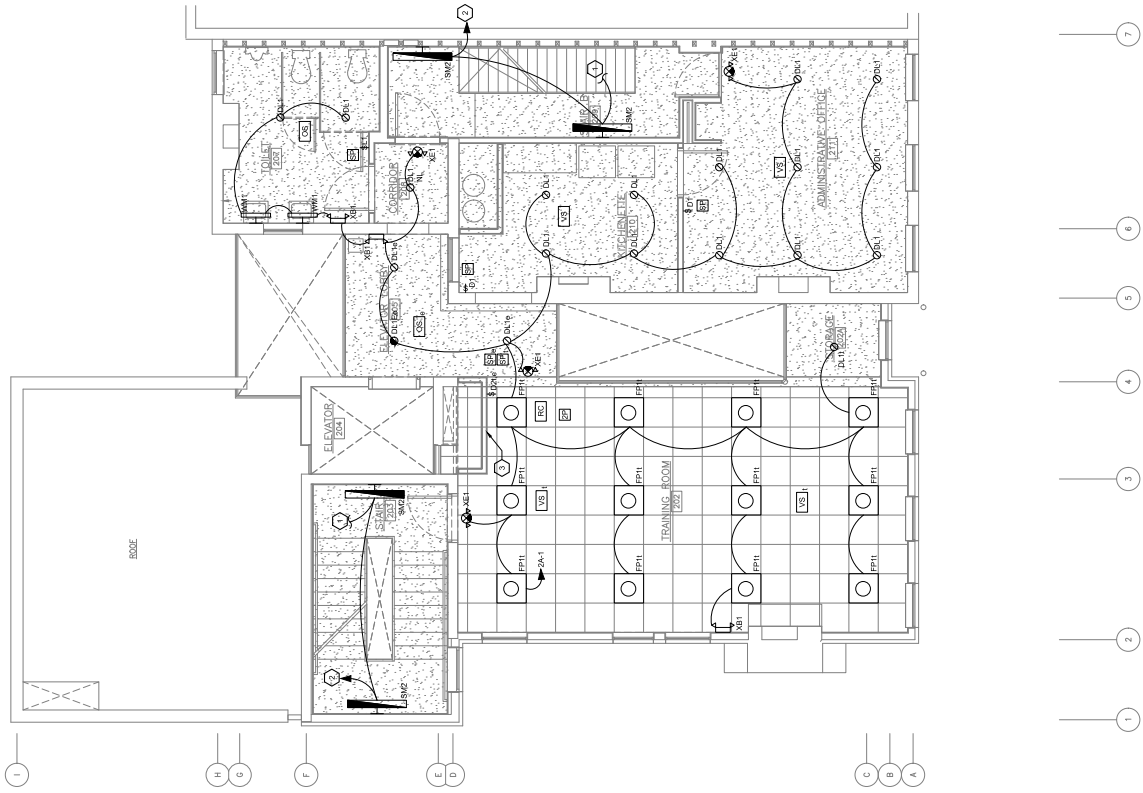
REVISION NO.:
DATE: 02/15/2021

SECOND FLOOR LIGHTING PLAN

- LIGHTING GENERAL NOTES:**
- FIRE STOP ALL FIRE RATED FLOOR/Ceilings, AND WALLS AND WALLS. FIRE STOP ALL FIRE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.
 - PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL JOINTS. EXPANSION FITTINGS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT OR ABOVE CEILING JMC CABLE IS PERMISSIBLE. EXPOSED BRANCH CIRCUITS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - VERIFY ALL ELECTRICAL WORK IS PERMITTED TO BE INSTALLED IN THE SAME ROOM AS THE EXISTING ELECTRICAL WORK. VERIFY THE TYPE AND EXACT LIGHTING FIXTURE LOCATIONS AND DIMENSIONAL INFORMATION.
 - EXIT SIGNS AND EMERGENCY WALL PACKS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY THE LOCATION AND OPERATION OF ALL LOCAL CONTROLS.
 - OCCUPANCY/VACANCY SENSORS HAVE BEEN LOCATED PER THE RECOMMENDED SPACING OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY THE TYPE AND EXACT LIGHTING FIXTURE LOCATIONS AND DIMENSIONAL INFORMATION.

LIGHTING KEY NOTES:

- CIRCUIT SHALL EXTEND TO ALL LIGHTING FIXTURES IN ENTIRE STAIRWELL.
- CIRCUIT LIGHTING FIXTURES TO CIRCUIT SERVING THIS AREA OF LOCAL CONTROL.
- REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED THROUGH DEMOLITION AND COMPATIBLE WITH THE NEW ELECTRICAL SYSTEM. VERIFY THE TYPE AND EXACT LIGHTING FIXTURE LOCATIONS AND DIMENSIONAL INFORMATION.



ALTERNATE:
CONTRACTOR SHALL PRICE SEPARATELY ALL WORK FOR PROFIT ASSOCIATED WITH THE DEMOLITION OF THE EXISTING LIGHTING SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF EXISTING FIXTURES SHALL BE INCLUDED IN THE BIDDING ALTERNATE INCLUDING BUT NOT LIMITED TO: CONTROL PANELS, PROGRAMMING, WIRING, AND THE REPEAL ANY WORK ASSOCIATED WITH THE SALVAGING OF THE EXISTING LIGHTING SYSTEM.

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

FOR CONSTRUCTION

NO EXPANSION AND FIXING CONDITIONS SHALL BE EXERCISED UNLESS BY THE CONTRACTOR AT HIS OWN RISK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES.

REVISIONS

Table with 3 columns: No., Description, Date.



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



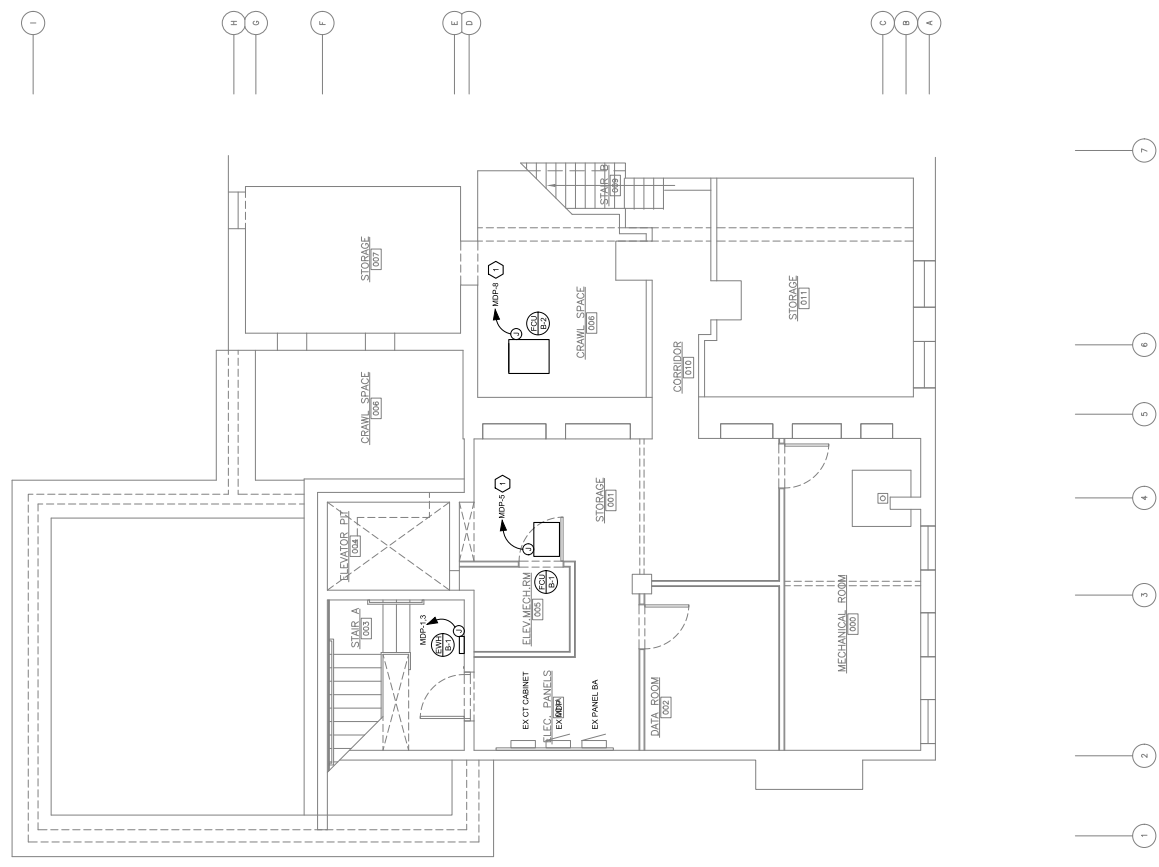
GERARD
ASSOCIATES ARCHITECTS
410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

Project info table with fields: DRAWING NO. (E-300), DATE (02/15/2021), REVISION NO. (triangle symbol), SHEET DATE.

- POWER GENERAL NOTES:
1. FIRE STOP ALL FIRE RATED FLOORS, CEILING, AND WALLS...
2. PROVIDE EXPANSION FITTINGS AS REQUIRED...
3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT...
4. ALL ELECTRICAL DEVICES SHALL BE INSTALLED PER ADA...
5. VERIFY EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECTONICAL PLANS PRIOR TO INSTALLATION...

POWER KEY NOTES

- 1. REUSE EXISTING CIRCUIT SALVAGED FROM DEMOLISHED MECHANICAL EQUIPMENT. EXTEND CIRCUIT AS REQUIRED TO NEW PURCHASE.



1 BASEMENT POWER PLAN
Scale: 1/4" = 1'-0"

FOR CONSTRUCTION

REVISIONS

Table with 2 columns: NO., DESCRIPTION. Contains revision details.



PROPERTY REHABILITATION FOR: HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER REHAB 1285 LIVERPOOL STREET BUILDING #53 PITTSBURGH, PA 15233



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

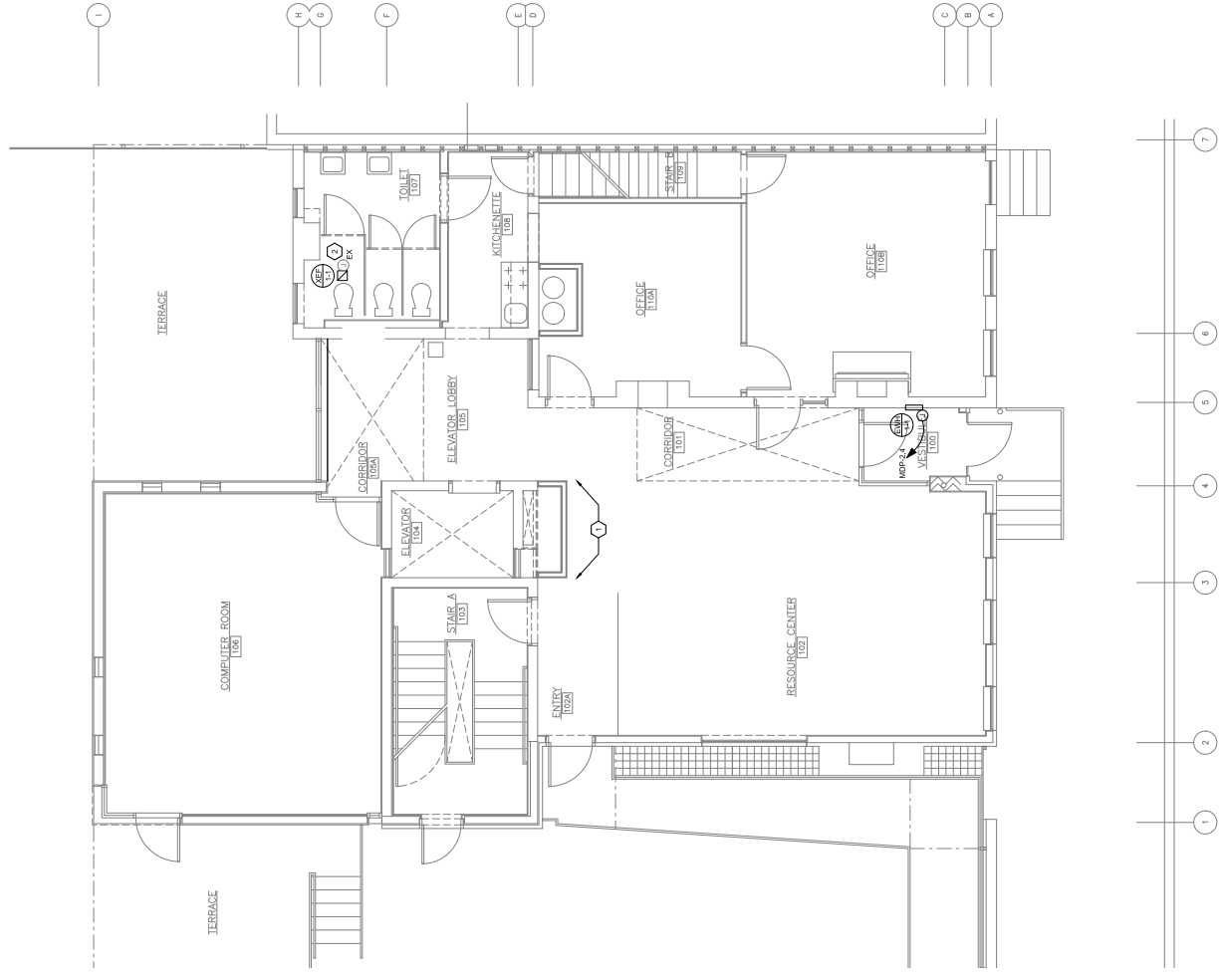
Table with 2 columns: NO., DATE. Includes drawing info: E-301, 02/15/2021.

POWER GENERAL NOTES:

- 1. FIRE STOP ALL FIRED RATED FLOORS, CEILINGS, AND WALLS... 2. PROVIDE EXPANSION FITTINGS AS REQUIRED... 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT...

POWER KEY NOTES:

- 1. REINSTALL DEVICES ON THIS WALL THAT WERE SALVAGED... 2. EXISTING EXHAUST FAN SHALL BE CONTROLLED BY NEW LIGHTING SWITCH...



1 FIRST FLOOR POWER PLAN 1/4" = 1'-0"

FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF GERARD ASSOCIATES ARCHITECTS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED, COPIED, EITHER WHOLLY OR IN PART, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPIING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GERARD ASSOCIATES ARCHITECTS. ALL DIMENSIONS AND FINISH CONDITIONS SHALL BE CHECKED AND INTERPRETATION OF THE CONSTRUCTION AT THE WORK SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.

REVISIONS

NO.	DATE	REVISION



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER REHAB
 1285 LIVERPOOL STREET
 BUILDING #53
 PITTSBURGH, PA 15233

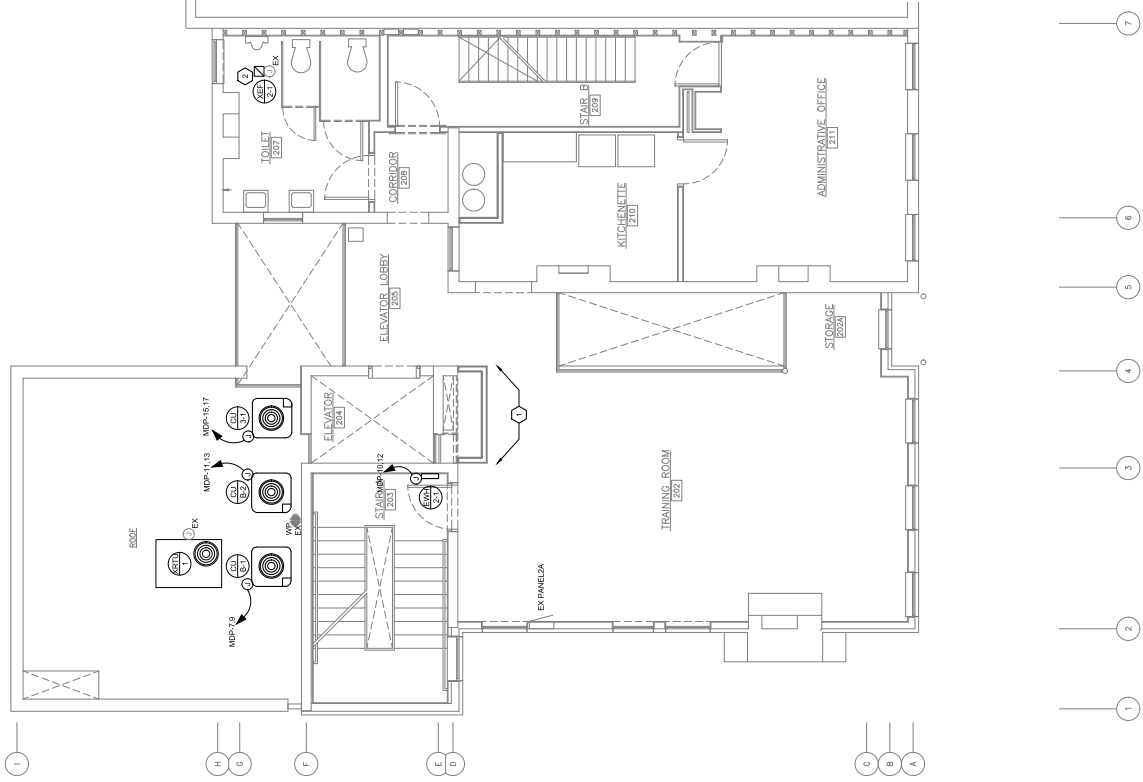


GERARD ASSOCIATES ARCHITECTS
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

SECOND FLOOR POWER PLAN		
PROJECT NO. 2025	REVISION NO. 1	DWG NO. E-302
DATE 02/15/2021		

- POWER GENERAL NOTES:**
1. FIRE STOP ALL FIRE RATED FLOORS, CEILINGS AND WALLS WITH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC CHAPTER 7.
 2. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL PLANS AND PARTS. COORDINATE WITH ARCHITECTURAL PLANS.
 3. WHERE EXPOSED, BRANCH CIRCUITS SHALL BE RUN IN EMT OR ABOVE CEILING PVC CABLE IS PERMISSIBLE EXPOSED ON BUILDING STRUCTURE, WHERE CONCEALED WITHIN WALLS OR ABOVE CEILING PVC CABLE IS PERMISSIBLE EXPOSED ON STRUCTURE, WALLS, CEILING OR FLOOR PER IBC.
 4. EMT SHALL BE USED FOR ALL BULB FIXTURES CARRYING CONDUCTORS IN A CONDUIT WITHOUT DERATING AMPACITY PER THE NEC.
 5. VERIFY EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO RUN-IN.
 6. ALL ELECTRICAL DEVICES SHALL BE SHOWN ON ELECTRICAL DRAWINGS. INSTALL DEVICES PER THOSE DIMENSIONS WHERE DEVICE LOCATIONS ARE NOT DIMENSIONED ON DRAWINGS.
 7. ALL ELECTRICAL DEVICES SHALL BE INSTALLED PER ADA, WITH DEFAULT LOCATIONS IN ELECTRICAL SPECIFICATIONS.
 8. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH DIVISION 23. MECHANICAL EQUIPMENT SHALL BE INSTALLED AND WIRED BY DIVISION 23. INSTALL AND WIRED BY DIVISION 23. THE DIMENSIONS OF THE DISCONNECTS HAVE NOT BEEN SHOWN ON THIS PLAN.

- POWER KEYNOTES:**
1. THROUGH PENETRATIONS SHALL BE MADE IN ALL EXISTING THROUGH PENETRATIONS AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION OF NEW CHASE COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE INSTALLED AND WHICH DEVICES SHALL BE DEMOLISHED.
 2. LIGHTING SWITCHES SHALL BE INSTALLED TO THE LIGHTING CIRCUIT THROUGH LIGHTING POWER PANEL ROOM. LIGHTING SWITCHES SHALL BE INSTALLED TO THE LIGHTING CIRCUIT THROUGH LIGHTING POWER PANEL ROOM. OCCUPANCY SENSOR REFER TO LIGHTING PLAN FOR CIRCUIT ASSIGNMENT.



1 SECOND FLOOR POWER PLAN
 1/4" = 1'-0"

FOR CONSTRUCTION

NO DIMENSIONS AND FIXTURE LOCATIONS SHALL BE FORWARDED EITHER BY THE CONTRACTOR AT THE SITE OR BY THE ARCHITECT TO THE COMMUNITY DEVELOPMENT & OPPORTUNITIES CENTER, 1285 LIVERPOOL STREET, PITTSBURGH, PA 15233, AT THE TIME OF THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL FIRE ALARM EQUIPMENT AND SYSTEMS. ALL DIMENSIONS AND FIXTURE LOCATIONS SHALL BE FORWARDED EITHER BY THE CONTRACTOR AT THE SITE OR BY THE ARCHITECT TO THE COMMUNITY DEVELOPMENT & OPPORTUNITIES CENTER, 1285 LIVERPOOL STREET, PITTSBURGH, PA 15233, AT THE TIME OF THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL FIRE ALARM EQUIPMENT AND SYSTEMS.

REVISIONS

Table with 3 columns: No., Description, Date. Contains 5 empty rows for revisions.



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
1285 LIVERPOOL STREET
BUILDING #35
PITTSBURGH, PA 15233



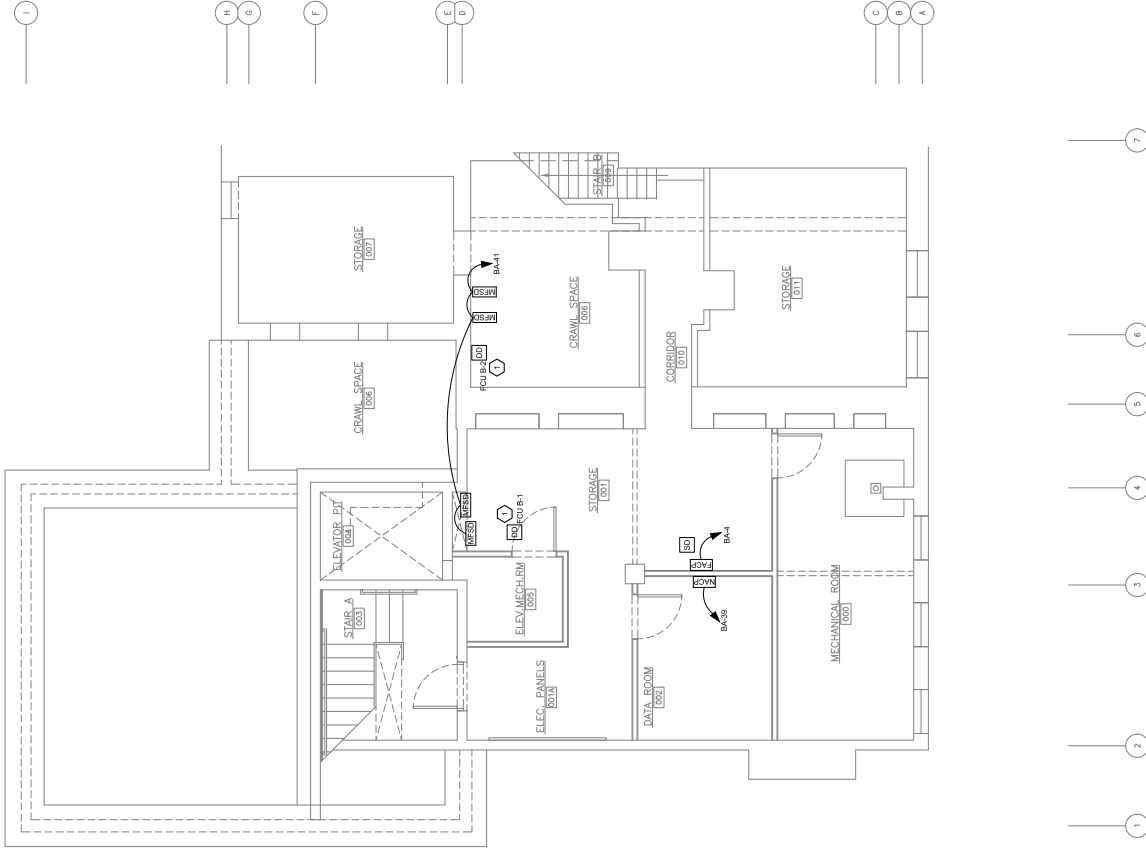
GERARD
ASSOCIATES ARCHITECTS
410 FT. PITT COMMONS, 445 FT. PITT BLVD.
PITTSBURGH, PENNSYLVANIA 15219-1333
PHONE: 412-566-1531 FAX: 412-566-1532

BASEMENT FIRE ALARM PLAN

Table with 3 columns: DRAWING NO., DATE, REVISION NO. Contains: E-400, 02/15/2021, 1.

- FIRE ALARM GENERAL NOTES:
1. REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.
2. ALL PENETRATIONS THROUGH WALLS, FLOORS AND CEILING SHALL BE FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC REQUIREMENTS FOR PENETRATIONS INTO OR THROUGH WALLS, FLOORS AND CEILING.
3. PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS.
4. WHERE EXPOSED BRANCH CIRCUITS SHALL BE RUN IN EMT BUILDING STRUCTURE WHERE CONCEALED WITHIN WALLS, FLOORS AND CEILING, ALL 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:
1. FIRE ALARM CONTROL PULL STATION SHALL BE INSTALLED IN THE DETECTOR DIVISION 23 SHALL INSTALL AND ELECTRICAL CONNECTION SHALL PROVIDE FIRE ALARM SYSTEM CONNECTION.



1 BASEMENT FIRE ALARM PLAN
1/4" = 1'-0"

FOR CONSTRUCTION

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REVISIONS

NO.	DATE	REVISION



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT &
OPPORTUNITIES CENTER
REHAB
 1285 LIVERPOOL STREET
 BUILDING #53
 PITTSBURGH, PA 15233



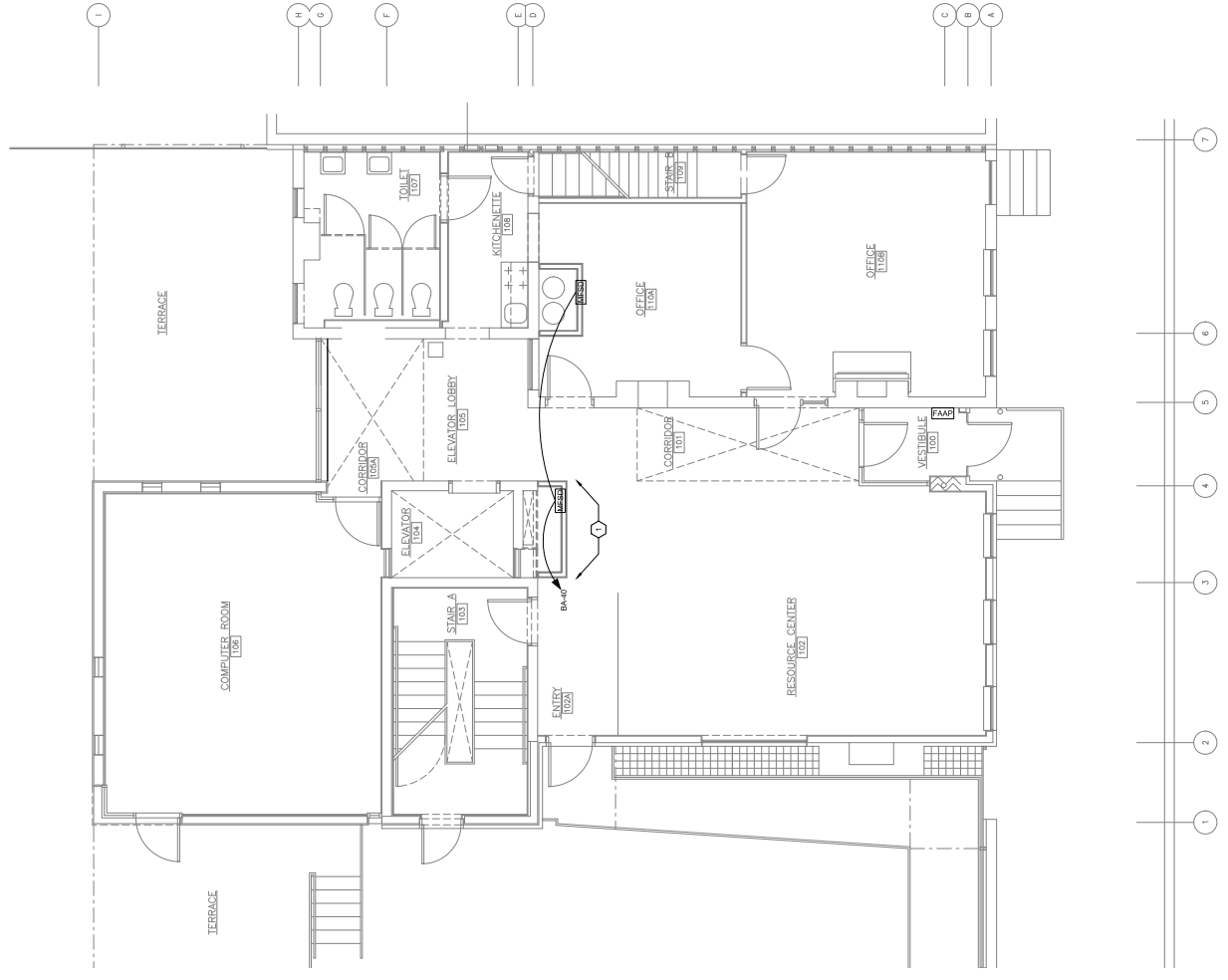
GERRARD
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 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

ISSUED FOR: **FIRST FLOOR FIRE ALARM**

DATE: 02/15/2021	REVISION NO.: E-401
DATE: 02/15/2021	REVISION NO.: E-401

- FIRE ALARM GENERAL NOTES:**
- REFER TO PARTIAL FIRE ALARM RISER DIAGRAM (E-401) FOR GENERAL FIRE ALARM SYSTEM NOTES.
 - IF EXPOSED BRANCH CIRCUITS ARE RUN IN WALLS OR CEILING, ALL PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC SECTION 707.5.5.3.
 - PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS.
 - WHERE EXPOSED BRANCH CIRCUITS SHALL BE RUN IN EMT BUILDING STRUCTURE, WHERE CONCEALED WITHIN WALLS OR CEILING, THE EXPOSED PORTION 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:**
- ALL FIRE ALARM DEVICES SHALL BE INSTALLED AND WIRING SHALL BE CONDUCTED THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL CHASE. CONFIRM LOCATION AND NOTES WITH ARCHITECT. COORDINATE WITH ARCHITECT. WHICH SHALL BE DEMOLISHED.



1 FIRST FLOOR FIRE ALARM PLAN
 1/4" = 1'-0"

FOR CONSTRUCTION

ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE PITTSBURGH DEPARTMENT OF PERMITTING AND INSPECTION. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

REVISIONS

NO.	DATE	DESCRIPTION



PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER
REHAB
 1285 LIVERPOOL STREET
 BUILDING #55
 PITTSBURGH, PA 15233



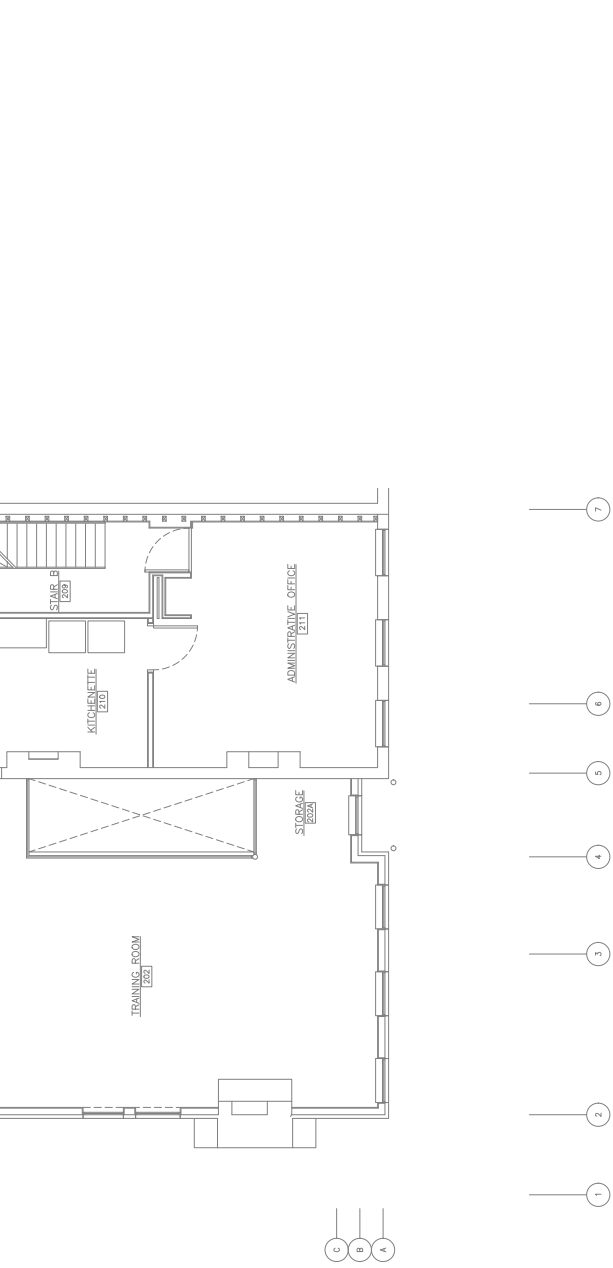
GERARD ASSOCIATES ARCHITECTS
 410 FT. PITT COMMONS, 445 FT. PITT BLVD.
 PITTSBURGH, PENNSYLVANIA 15219-1333
 PHONE: 412-566-1531 FAX: 412-566-1532

SECOND FLOOR FIRE ALARM PLAN

NO.	DATE	DESCRIPTION

1 SECOND FLOOR FIRE ALARM PLAN
 1/4" = 1'-0"
E-402

1



- FIRE ALARM GENERAL NOTES:**
- REFER TO PARTIAL FIRE ALARM RISER DIAGRAM 1E-601 FOR GENERAL FIRE ALARM SYSTEM NOTES.
 - ALL EXPOSED BRANCH CIRCUITS SHALL BE RUN IN RATED FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH IBC AS REQUIRED BY CODE. PENETRATIONS INTO OR THROUGH FIRE RESISTANCE RATED WALLS SHALL BE SEALED WITH AUL-FIRE-RATED GASKETTING AND SHALL BE APPROVED BY THE CONSULTING STRUCTURAL ENGINEER.
 - PROVIDE EXPANSION FITTINGS AS REQUIRED AT ALL EXPANSION JOINTS. COORDINATE WITH ARCHITECTURAL PLANS.
 - WHERE EXPOSED BRANCH CIRCUITS SHALL BE RUN IN ENT BRICK OR CONCRETE STRUCTURE, WHERE CONCEALED WITHIN WALLS OR CEILING SHALL BE PAINTED PER ARCHITECT.
 - THE EXACT LOCATION OF ALL DEVICES AND ASSOCIATED EQUIPMENT SHALL BE LOCATED PER NFPA, ADA, AND ALL OTHER CODES APPLYING JURISDICTION.

- FIRE ALARM KEY NOTES:**
- ALL DEVICES SHALL BE INDICATED BY A DIAMOND WITH A NUMBER IN A CIRCLE THROUGH DEMOLITION AND CONFLICTED WITH THE NEW MECHANICAL SYSTEMS. DEMOLITION SHALL BE INDICATED BY A DASHED LINE. MECHANICAL SYSTEMS SHALL BE INDICATED BY A SOLID LINE. MECHANICAL SYSTEMS SHALL BE INDICATED BY A SOLID LINE. COORDINATE WITH ARCHITECT WHICH DEVICES SHALL BE DEMOLISHED AND WHICH DEVICES SHALL BE RE-INSTALLED.

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REVISIONS	

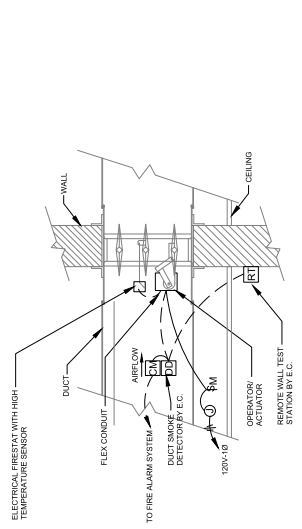


PROPERTY REHABILITATION FOR:
**HACP TASK ORDER #35
 DEVELOPMENT &
 OPPORTUNITIES CENTER
 REHAB**
 1205 LIVERPOOL STREET
 BUILDING #35
 PITTSBURGH, PA 15233

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

ISSUED FOR THE PROJECT:
ELECTRICAL DETAILS

DATE: 02/05	REVISION NO.: Δ	DWG NO.: E-501
ISSUE DATE: 02/15/2021		

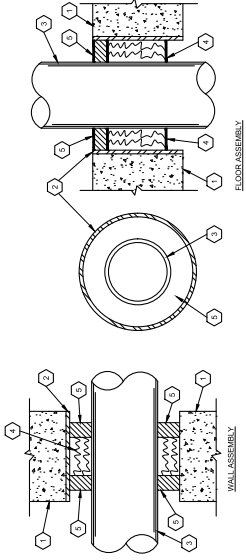


NOTE: ALL WIRING IN E.C. COORDINATE INSTALLATION WITH I.C.

NOTES:

- MOTORIZED FIRE SMOKE DAMPER (MFSD), FMG-1P, 120V-1Ø.
- PROVIDE A DUCT TYPE SMOKE EXTRACTOR WITH A REMOVE TEST STATION AND AUXILIARY RELAY CONTACTS TO FIRE ALARM SYSTEM. COORDINATE THE POSITION, LOCATION WITH MECHANICAL, CEILING AND APPROPRIAL CONTRACTOR.
- 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.
- PROVIDE #12/2/0-3/4"C FROM THE JUNCTION BOX TO THE DISCONNECTING MEANS AND HOMERUN TO A 20A, 250V, 1P, 1Ø, TYPE RCBO. PROVIDE A DISCONNECTING MEANS FOR THE MFSD AS REQUIRED.
- PROVIDE ALL REQUIRED FIRE ALARM SYSTEM WIRING AND PROGRAM THE ALARM SYSTEM TO PERFORM THE MECHANICAL SEQUENCE OF OPERATION.

1. MOTORIZED FIRE SMOKE DAMPER DETAIL "MFSD"
 E-501 N.T.S.



KEYED NOTES: (K)

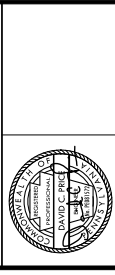
- FLOOR OR WALL ASSEMBLY MINIMUM 6" THICK NORMAL WEIGHT CONCRETE FLOOR OR WALL OR MINIMUM 7.5" THICK MASONRY WALL HAVING A MINIMUM 2 HOUR FIRE RESISTIVE RATING WITH A NOMINAL 6" DIAMETER OPENING.
- STEEL PIPE SLEEVE (OPTIONAL) NOMINAL 6" DIAMETER SCHEDULE 40 OR HEAVIER STEEL PIPE SLEEVE (2" TRADE SIZES LARGER THAN CONDUIT).
- STEEL OR ENT CONDUIT NOMINAL 4" DIAMETER CENTERED THROUGH THE OPENING.
- FORMING MATERIAL MINERAL WOOL (MINIMUM DENSITY OF 4.4 PCF FIRMLY PACKED WITHIN THE OPENING TO A NOMINAL THICKNESS OF 1.5" MINIMUM.)
- FLY ASH OR GYPSUM BOARDS (1/2" MINIMUM THICKNESS) SHALL BE INSTALLED OVER THE FORMING MATERIAL.
- ALL JOBS OR GAPS WITH MATERIALS SHALL BE PACKED WITH INSULATING MATERIAL 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
 E-501 N.T.S.

FOR CONSTRUCTION

REVISIONS

Table for revisions with columns for revision number and description.

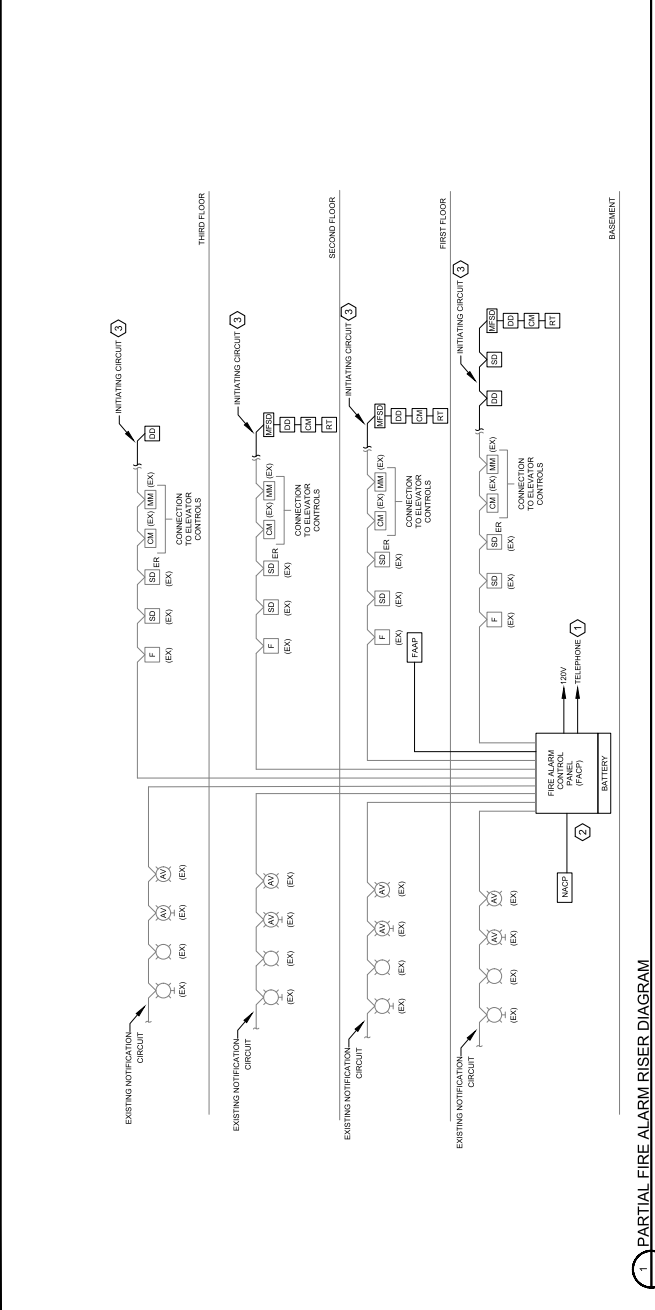


PROPERTY REHABILITATION FOR:
HACP TASK ORDER #35
DEVELOPMENT & OPPORTUNITIES CENTER
REHAB
1205 LIVERPOOL STREET
PITTSBURGH, PA 15233



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

DATE: 02/15/2021
DWG NO: E-601



KEY NOTES:

- 1. IN ORDER TO PROVIDE DIAL OUT TO FIRE DEPARTMENT, TWO SOURCES SHALL BE PROVIDED FOR THE ALARM SYSTEM. THE SYSTEM SHALL EMPLOY ONE PHONE LINE AND AN ADDITIONAL TRANSMISSION MEANS AS ALLOWED UNDER THAT CODE SECTION AND DEEMED AVAILABLE AT THE TIME OF THE PERMIT APPLICATION. THE TRANSMISSION MEANS APPROVED BY NFPA IN PLACE OF THE SECOND MEANS SHALL INCLUDE SONNET, RIA, COMMERCIAL, AND MANUFACTURER'S DIRECT TO FIRE DEPARTMENT OR TO THIRD PARTY AT MONITORING SERVICE CONTRACTED BY OWNER.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXISTING FIRE ALARM SYSTEM AND PROVIDE A NEW FACD THAT IS COMPATIBLE WITH THE EXISTING SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL POWER SUPPLIES, ADDITIONAL FIRE ALARM DEVICES, PROVIDE NEW FIRE ALARM CIRCUIT TO SERVICE THE EXISTING NOTIFICATION AND NOTIFICATION DEVICES. ALL EXISTING OPERATIONAL SYSTEMS, AT FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH EXISTING SYSTEM.
3. PROVIDE EXTENSION OF EXISTING FIRE ALARM CIRCUITS TO SUPPLY NEW FIRE ALARM DEVICES AND NOTIFICATION DEVICES. THE CONTRACTOR SHALL PROVIDE ADDITIONAL POWER SUPPLIES, ADDITIONAL FIRE ALARM DEVICES, PROVIDE NEW FIRE ALARM CIRCUIT TO SERVICE THE EXISTING NOTIFICATION AND NOTIFICATION DEVICES. ALL EXISTING OPERATIONAL SYSTEMS, AT FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH EXISTING SYSTEM.
4. PROVIDE EXTENSION OF EXISTING FIRE ALARM CIRCUITS TO SUPPLY NEW FIRE ALARM DEVICES AND NOTIFICATION DEVICES. THE CONTRACTOR SHALL PROVIDE ADDITIONAL POWER SUPPLIES, ADDITIONAL FIRE ALARM DEVICES, PROVIDE NEW FIRE ALARM CIRCUIT TO SERVICE THE EXISTING NOTIFICATION AND NOTIFICATION DEVICES. ALL EXISTING OPERATIONAL SYSTEMS, AT FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH EXISTING SYSTEM.

THE E-C BID SHALL INCLUDE THE COST FOR AN INDEPENDENT THIRD PARTY PROFESSIONAL ENGINEER TO SIGN, DATE, AND SEAL ALL FIRE ALARM DRAWINGS. THE E-C BID SHALL INCLUDE THE COST FOR AN INDEPENDENT THIRD PARTY PROFESSIONAL ENGINEER TO SIGN, DATE, AND SEAL ALL FIRE ALARM DRAWINGS. THE E-C BID SHALL INCLUDE THE COST FOR AN INDEPENDENT THIRD PARTY PROFESSIONAL ENGINEER TO SIGN, DATE, AND SEAL ALL FIRE ALARM DRAWINGS.

FOR CONSTRUCTION

REVISIONS

Table with columns for revision number, date, and description.



PROPERTY REHABILITATION FOR:

HACP TASK ORDER #35 DEVELOPMENT & OPPORTUNITIES CENTER



GERARD ASSOCIATES ARCHITECTS

ELECTRICAL SCHEDULES

DATE: 02/15/2021

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, FIXTURE DESCRIPTION, MANUFACTURER, MODEL, LUMENS, DIMENSIONS, MOUNTING, NOTES.

ALTERNATE: WHERE SPARE PARTS ARE NOT AVAILABLE...

GENERAL CIRCUITING NOTE: CIRCUIT BREAKERS IN EXISTING PANELS...

Existing Panel: BA

Table with columns: Ckt, Circuit Description, Wire Size, Breaker Type, Load (A, B, C), Panel Amps.

Existing Branch Panel: 2A

Table with columns: Ckt, Circuit Description, Wire Size, Breaker Type, Load (A, B, C), Panel Amps.

Existing Branch Panel: 2A

Table with columns: Ckt, Circuit Description, Wire Size, Breaker Type, Load (A, B, C), Panel Amps.



ASE JOB #2041090