



THE NEW YORK CITY LANDMARKS PRESERVATION COMMISSION
1 CENTRE STREET 9TH FLOOR NORTH NEW YORK NY 10007
TEL: 212 669-7700 FAX: 212 669-7780



January 5, 2023

ISSUED TO:

Frank Gadero
JP II Associates LLC
51 Wooster Street, 3rd Floor
New York, NY 10013

Re: **MISCELLANEOUS/AMENDMENTS**
LPC-23-02709
MISC-23-02709
53 WOOSTER STREET
SoHo-Cast Iron Historic District
MANHATTAN
Block/Lot: 475 / 17

Pursuant to Section 25-306 of the Administrative Code of the City of New York, the Landmarks Preservation Commission issued Certificate of No Effect 21-00621 (LPC 21-00621) on August 11, 2020, approving a proposal to install an HVAC unit at the roof at the subject premises.

Subsequently, on September 16, 2022, the Commission received a proposal for an amendment to the work approved under that permit. The proposed amendment consists of expanding the scope of work to include replacing an HVAC unit in-kind at the roof; and interior alterations at the cellar through third floors, as described and shown in a letter, dated September 9, 2022, and prepared by Matthew N. DeConzo, P.E.; and on drawings labeled M-001.01 through M-003.01, M-004.00, M-005.00, M-101.00, M-202.00, M-301.01, M-401.01, M-402.00, M-501.00, and M-601.00 through M-603.00, dated (revised) February 8, 2022, and prepared by Matthew N. DeConzo, P.E..

Accordingly, the Commission reviewed the request and finds that the work is in accordance with the provisions set forth in Title 63 of the Rules of the City of New York, Section 2-21 for Installation of Heating, Ventilation, Air Conditioning and other Mechanical Equipment, including Section 2-21(g)(2) for installation of HVAC and other mechanical equipment on rooftops and terraces; and that the revised scope of work is in keeping with the intent of the original approval. Based on these findings, Certificate of No Effect 21-00621 is hereby amended.

Page 1

Issued: 01/5/23

DOCKET #: LPC-23-02709

Please see Title 63 of the Rules of the City of New York for complete text of any cited Rule section(s):
<http://www1.nyc.gov/site/lpc/applications/rules-guides.page>

This amendment is issued on the basis of the building and/or the site conditions described in the application and disclosed during the review process. By accepting this permit, the applicant agrees to notify the Commission if actual building or site conditions vary or if original or historic building fabric or site features are discovered. The Commission reserves the right to amend or revoke this permit, upon written notice to the applicant, in the event that the actual building or site conditions are materially different from those described in the application or during the review process.

The documents, and the Department of Buildings filing drawings where applicable, are marked as approved by the Commission, with the date of the approval indicated. The approved work is limited to what is contained in the approved documents. The applicant is hereby put on notice that performing or maintaining any work not explicitly authorized by this permit may make the applicant liable for criminal and/or civil penalties, including imprisonment and fines. This letter constitutes the permit amendment; a copy must be prominently displayed at the site while work is in progress. Any additional work or further amendments must be reviewed and approved separately. Please direct inquiries regarding this property to Janelle Gunther, Landmarks Preservationist.



Janelle Gunther

PLEASE NOTE: APPROVED DOCUMENTS, DEPARTMENT OF BUILDINGS FILING DRAWINGS WHERE APPLICABLE, AND A COPY OF THIS PERMIT HAVE BEEN PROVIDED TO:

cc: Emma Waterloo, Deputy Director; Steven Salvesen, RIP CC INC

MECHANICAL ABBREVIATIONS AND SYMBOL LIST

Table with 4 columns: Abbreviation, Description, Symbol, and Notes. Includes items like AC (Air Conditioning), ACCU (Air-Cooled Condensing Unit), AD (Access Door), etc.

DRAWING LIST

Table listing drawing symbols and their corresponding descriptions, such as M-002 Landmarks, M-003 Landmarks, M-004 Flood Hazard Map, etc.

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VISIT THE PREMISES TO DETERMINE EXISTING CONDITIONS AND COMPARE SAME WITH CONTRACT DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR IS TO VERIFY THEMSELVES OF ALL CONDITIONS PRIOR TO THE SUBMISSION OF A BID PROPOSAL. NO ALLOWANCE WILL BE MADE FOR FAILURE TO COMPLY WITH THESE REQUIREMENTS AND A BID PROPOSAL SHALL BE CONSIDERED AS EVIDENCE THAT HAS DONE SO.
2. ALL HVAC WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED, OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
3. ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS, VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT, FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
4. COORDINATE DUCTWORK WITH APPROVED SUBMISSION OF SUPPLY, RETURN & EXHAUST AIR TERMINAL UNIT SIZES AND ASSOCIATED INLET AND OUTLET CONNECTIONS.
5. PROVIDE ACCESS AS REQUIRED FOR DUCT SMOKE DETECTORS INSTALLED IN DUCTWORK.
6. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR MOUNTING THE SMOKE DETECTORS IN DUCTWORK AS REQUIRED AND SHOWN ON PLANS. MECHANICAL CONTRACTOR IS RESPONSIBLE TO CONDUCT AND PROVIDE THE RESULTS THE DUCT SMOKE DETECTOR PRESSURE DIFFERENTIAL TO THE ENGINEER AND ANY OTHER AUTHORITY HAVING JURISDICTION.
7. PROVIDE ACCESS PANELS UPSTREAM OF ALL ELBOWS WITH TURNING VANES. ALL ACCESS DOORS AND ACCESS PANELS DO NOT BE LABELED. ALL VALVES ARE TO BE LOCATED IN THE HORIZONTAL POSITION AND BE EASILY REACHABLE WITHOUT CLIMBING UP INSIDE THE CEILING OR A REMOTE METHOD OF OPERATION AT CEILING HEIGHT IS TO BE PROVIDED.
8. PROVIDE ACCESS PANELS IN DUCTWORK FOR OPERATION, ADJUSTMENT AND MAINTENANCE OF ALL FANS, VALVES AND MECHANICAL EQUIPMENT.
9. ACCESS DOORS INTO DUCTWORK SHALL NOT BE SMALLER THAN 18"X18" UNLESS DUCTWORK DOES NOT PERMIT. INDICATE SIZE AND LOCATIONS OF ALL ACCESS DOORS.
10. PROVIDE VOLUME DAMPERS IN ALL SUPPLY RETURN AND EXHAUST BRANCH DUCTWORK. PROVIDE ONE VOLUME DAMPER FOR EACH SUPPLY DIFFUSER AND RETURN GRILLE. PROVIDE MANUAL DAMPERS IN EACH SUPPLY OR TRAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES, EACH PROVIDED WITH OPERATOR AND LOCKING DEVICE. INSTALL UNIDIRECTIONAL DAMPERS CONNECTED INTO THE MAIN WITHOUT A NECK.
11. ALL AIR OUTLETS (DIFFUSERS, GRILLES, REGISTERS, LINEAR SLOTS, ETC.) SHALL BE COORDINATED WITH THE ARCHITECTURAL CEILING PLAN (LIGHTS, SPRINKLER HEADS, CEILING GRID), ELECTRICAL PLANS, SPRINKLER PLANS, AND WITH REVIEWED AND APPROVED AIR OUTLET SUBMITTAL.
12. ARCHITECT TO REVIEW AND APPROVE FACE SIZE AND EXACT LOCATION OF ALL AIR OUTLETS (DIFFUSERS, GRILLES, REGISTERS, ETC.) AND COORDINATE WITH EQUIPMENT MANUFACTURER.
13. ARCHITECT & OWNER TO REVIEW AND APPROVE LOCATION OF ALL THERMOSTATS IN CONJUNCTION WITH FINAL EQUIPMENT LAYOUT.
14. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL EQUIPMENT WITH ROTATING OR RECIPROCATING EQUIPMENT.
15. SHEET-METAL SHOP DRAWINGS CAN BE RELEASED FOR FABRICATION ONLY AFTER SHEET-METAL SHOP STANDARDS HAVE BEEN REVIEWED AND APPROVED.
16. SHEET-METAL SHOP DRAWINGS MUST BE COORDINATED WITH ALL TRADES (MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL, ETC.) BEFORE FABRICATION.
17. PROVIDE CEILING AND DUCT ACCESS DOORS FOR HOT WATER REHEAT COILS AND ANY OTHER EQUIPMENT REQUIRING ACCESS.
18. CONTRACTOR TO COORDINATE DUCT LOCATIONS WITH STRUCTURAL STEEL AND ARCHITECTURAL DRAWINGS OF THE AREA.
19. PROVIDE BRANCH CONNECTION TAPS AS INDICATED IN DETAIL ON DETAIL DRAWINGS. ANY OTHER TAP BRANCH CONNECTIONS ARE NOT ACCEPTABLE.
20. ALL DUCT SIZES, SHOWN ARE INSIDE CLEAR DIMENSIONS.
21. ALL CONDENSATE DRAIN LINES FROM EACH UNIT WILL BE PIPED FULL SIZE OF THE DRAIN OUTLET WITH P-TRAP AND TERMINATED AT THE NEAREST DRAIN OR SUMP SINK. PROVIDE A CONDENSATE PUMP SIMILAR TO LITTLE GALT VOC-200LUS IF DRAINAGE CANNOT BE UTILIZED. COORDINATE WITH ELECTRICAL CONTRACTOR AS REQUIRED.
22. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE INDEPENDENTLY SUPPORTED AS DETAILED AND SPECIFIED. ADDITIONAL SUPPORT SHALL BE PROVIDED AS REQUIRED TO PROVIDE VIBRATION-FREE INSTALLATION.
23. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH NEC AND ELECTRICAL PRODUCT SPECIFICATIONS.
24. ALL FIRE AND FIRE/SMOKE DAMPERS MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST UL 555/555S REQUIREMENTS, PER THE CONDITIONS OF THEIR LISTING, THE MANUFACTURER'S INSTALLATION REQUIREMENTS, AND THE REQUIREMENTS OF ALL APPLICABLE BUILDING AND MECHANICAL CODES.
25. PROVIDE AS REQUIRED BY CODE (LOCAL OR NATIONAL) ANY ADDITIONAL FIRE DAMPERS, SMOKE DAMPERS, ACCESS PANELS, OR SPECIAL SUPPORTS NOT SHOWN ON PLANS AT NO ADDITIONAL COST TO OWNER.
26. ANY ABANDONED EXISTING EQUIPMENT, DUCTWORK, ETC. WHICH IS NOT SHOWN TO BE REMOVED, BUT INTERFERES WITH THE PROPOSED WORK IS TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND/OR SHOWN AS REQUIRED BY THE LOCAL, STATE, AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND/OR SHOWN AS REQUIRED BY THE LOCAL, STATE, AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND/OR SHOWN AS REQUIRED BY THE LOCAL, STATE, AND FEDERAL AGENCIES.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TESTS, PULLUPS, SHEAVES, ETC. TO VERIFY THE WORK IS IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND/OR SHOWN AS REQUIRED BY THE LOCAL, STATE, AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND/OR SHOWN AS REQUIRED BY THE LOCAL, STATE, AND FEDERAL AGENCIES.
28. ALL SQUARE ELBOWS ON DUCTWORK ARE TO HAVE DOUBLE THICK TURNING VANES.
29. UL LISTED PRESTOP ASSEMBLIES SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION.
30. AFTER FINAL TESTS AND ADJUSTMENTS, FULLY INSTRUCT OWNER'S OPERATING PERSONNEL IN ALL DETAILS OF OPERATION FOR EQUIPMENT INSTALLED. A SIGNED RECEIPT WHICH SHALL BE OBTAINED FROM THE OPERATOR SHALL BE CONSIDERED AS EVIDENCE THAT INSTRUCTIONS WERE SATISFACTORY.

GENERAL NOTES

- 32. FURNISH TWO (2) COPIES OF WRITTEN DESCRIPTIONS OF ALL SYSTEMS COVERING ALL MANUAL OPERATING PROCEDURE, AUTOMATIC CONTROL DESCRIPTIONS AND AUTOMATIC CONTROL TEMPERATURE AND PRESSURE SETTINGS, WRITTEN DESCRIPTIONS SHALL INCLUDE LUBRICATION SCHEDULES, PARTS LISTS, PERFORMANCE SETTINGS FOR EQUIPMENT, FILTER SIZE / QUANTITY SCHEDULE, ETC. WHEN MANUFACTURER'S STANDARD INSTRUCTIONS ARE UTILIZED, THEY SHALL BE CLEARLY MARKED TO INDICATE APPLICABILITY.
33. CONTRACTOR IS RESPONSIBLE FOR THE TESTING & COMMISSIONING OF ALL HVAC SYSTEMS IN THE PRESENCE OF UNIT MANUFACTURER.
34. ALL WORK AND MATERIALS TO BE USED SHALL BE AS REQUIRED BY ENGINEER'S STANDARDS.
35. FROM THE 10/15/20 IN A NEW DETECTOR NETWORKS CONTROL EXISTING WALL IN/THROUGH PROJECT PERMITS TO BE OBTAINED FROM ALL APPLICABLE AGENCIES. PERMITS SHALL BE OBTAINED WITHIN 30 DAYS OF PERMITTING.
36. ALL MECHANICAL EQUIPMENT TO BE PROVIDED WITH A PERMANENT LABEL (WEATHER-PROOF IF EXTERIOR) INDICATING THE MANUFACTURER, THE SPACE IT SERVES, THE SOURCE OF POWER, THE MODEL NUMBER, AND THE DATE OF INSTALLATION (MONTH/YEAR).

COORDINATION NOTES

- 1. COORDINATE ALL WORK WITH THE ARCHITECTURAL DRAWINGS. VERIFY LOCATION OF ALL VISIBLE DEVICES WITH ARCHITECT OR OWNER PRIOR TO INSTALLATION, INCLUDING THERMOSTATS, DIFFUSERS, GRILLES, REGISTERS, ETC. RECEIVE APPROVAL FROM THE ARCHITECT OR OWNER FOR FINISH COLOR AND MOUNTING FRAME PRIOR TO PURCHASE. RECEIVE APPROVAL FROM THE ARCHITECT FOR ALL DEVICES PRIOR TO PURCHASE.
2. VERIFY THE SIZES OF EXISTING DUCTWORK (IF ANY) TO BE REUSED PRIOR TO SUBMISSION OF SHOP DRAWINGS. NOTIFY THE ENGINEER IMMEDIATELY IF ACTUAL SIZES DIFFER FROM SIZES INDICATED ON THESE PLANS.
3. SHOP DRAWING NOTES:
A. ALL MECHANICAL SHOP DRAWINGS SHALL BE SUBMITTED TO DESIGN ENGINEER
B. SUBMIT ONE AS-BUILT SHEETMETAL DRAWING (Labeled WITH COMMENTS) FOR THE RECORD AT COMPLETION OF INSTALLATION TO DESIGN ENGINEER
C. SUBMIT AIR BALANCING REPORT TO DESIGN ENGINEER

MECHANICAL CONTRACTOR NOTES

- 1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DRAINAGE, SUPPORTS, INSTALLATION, LEVELING, METHODS OF HANGING, SUPPLEMENTAL STEEL AND REINFORCEMENTS, ETC. THAT WILL BE REQUIRED FOR ALL MECHANICAL EQUIPMENT UTILIZED FOR THIS PROJECT.
2. SIGNED AND SEALED DOCUMENTS PROVIDED BY A LICENSED STRUCTURAL ENGINEER ARE TO BE SUBMITTED TO THE ARCHITECT OR RECORD FOR FINAL REVIEW AND APPROVAL PRIOR TO ACTUAL EQUIPMENT INSTALLATION.
3. COORDINATE WITH GENERAL CONTRACTOR, ARCHITECT & BUILDING MANAGER/ENGINEER.
4. ANY EXTRAS AND DEVIATIONS APPEARED FROM THE SUBSTITUTION OF THE ORIGINALLY DESIGNED CONCEPTS OR UTILIZED EQUIPMENT, WILL HAVE TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND DONE AT NO ADDITIONAL COST TO THE CLIENT.

SPECIAL INSPECTIONS

Table with 2 columns: Inspection Item and Reference Code. Includes Mechanical Systems (BC 1704.16), Heating Systems (BC 1704.25), Fire Resistant Penetrations and Joints (BC 1704.27), Energy Code Compliance Inspections (BC 110.3.5), and Final (28-116.2.4.2, BC 110.5, Directive 14 of 1975 and 1 ROKY 101-10).

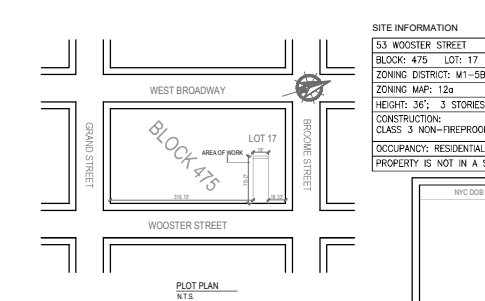
ENERGY CODE PROGRESS INSPECTIONS

Table with 2 columns: Inspection Item and Reference Code. Includes HVAC and Service Water Heating Equipment ((B3) (B3)), HVAC and Service Water Heating System Controls ((B4) (B4)), Insulation and Sealing ((B5) (B5)), and Maintenance Information ((D1) (D1)).

COMMISSIONING NOTE

PER THE REQUIREMENTS OF THE NYC ENERGY CONSERVATION CONSTRUCTION CODE C408, THIS PROJECT WILL NOT REQUIRE COMMISSIONING.

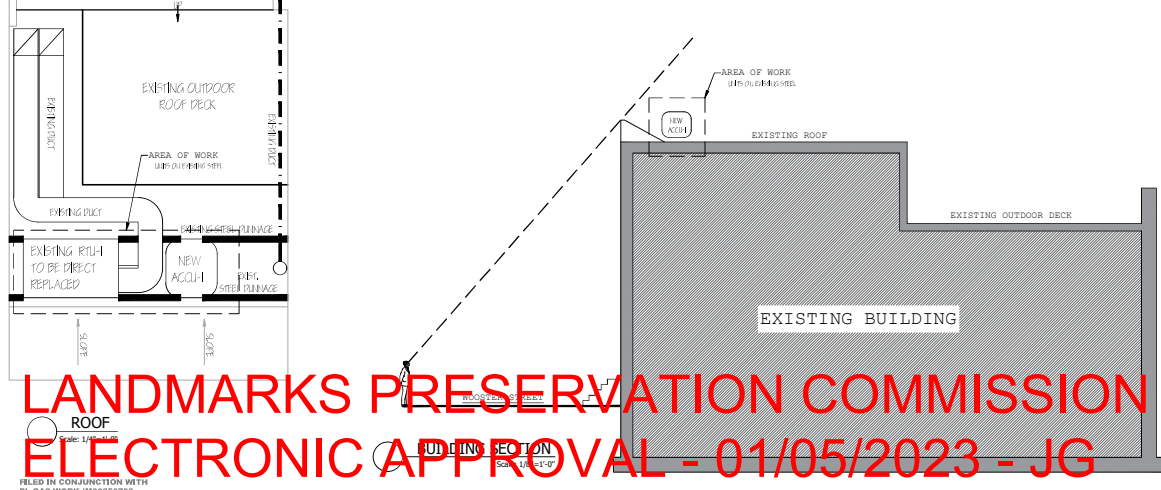
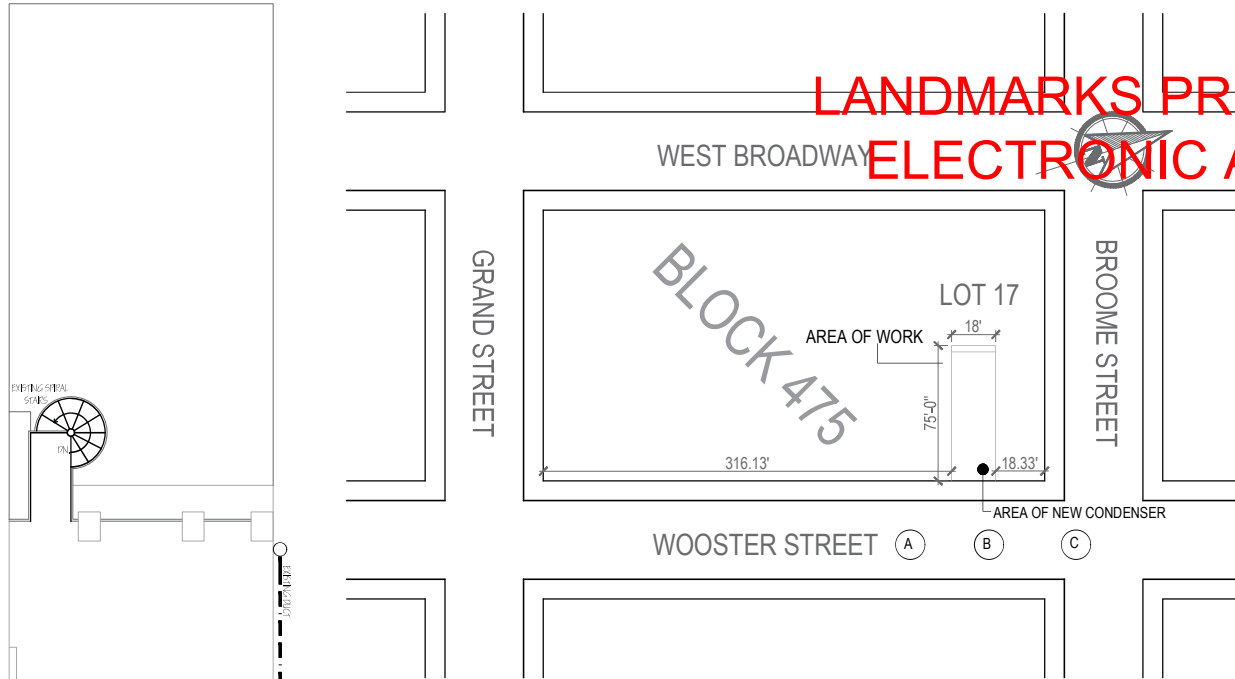
FIED IN CONJUNCTION WITH PL GAS WORK (M00350703)



LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

DISCLAIMER NOTE, PROJECT ADDRESS (53 WOOSTER STREET, HEAT ME, 53 WOOSTER STREET, NEW YORK, NEW YORK), SHEET TITLE (MECHANICAL SYMBOLS & NOTES), PROJECT NO. (4284-G04), DRAWN BY (WH), SCALE (NONE), DOB NOW APPLICATION (#M00350247-P1), DRAWING NUMBER (M-001.01), SHEET 1 OF 14.

LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG



A WOOSTER STREET SIDE VIEW
N.T.S.



B WOOSTER STREET FRONT VIEW
N.T.S.



C WOOSTER STREET CORNER VIEW
N.T.S.

LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

DISCLAIMER NOTE

1. THE ENTIRE CONTENTS OF THIS DOCUMENT, INCLUDING ALL SKETCHES, PLANS, STUDIES, DRAWINGS, SCHEDULES, AND SPECIFICATIONS, AND COPYRIGHTS THEREIN ARE AND SHALL REMAIN THE SOLE AND EXCLUSIVE PROPERTY OF R.I.P. CONSTRUCTION CONSULTANTS, INC. THE DOCUMENTS AND THEIR CONTENTS MAY NOT BE USED, PHOTOCOPIED, OR REPRODUCED DIGITALLY, ELECTRONICALLY OR IN ANY OTHER MANNER, WITHOUT THE EXPRESS WRITTEN CONSENT OF R.I.P. CONSTRUCTION CONSULTANTS, INC.
2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL WORK AND CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF NEW YORK DEPT. OF LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO AVOID THIS PLAN IN ANY WAY.
4. THIS LAYOUT COMPLIES WITH THE 2010 E.C.C.C. NY LOCAL LAW 2010-14 AND LOCAL LAW 2021-11.

02.08.2022 ISSUE FOR PAA

LANDLORD'S / OWNERS INFORMATION

NEW YORK CITY EXPIRED:

R.I.P. C.C. INC.
325 BROADWAY SUITE 304
NEW YORK, NY 10007
TEL: 212-334-7400

ARCHITECT / ENGINEER OF RECORD:

EDWARD GUTERMAN P.E. #061893-1
325 BROADWAY SUITE 304
NEW YORK, NY 10007
212-334-4114

CONSULTING ENGINEERS

GUTH DeCONZO
CONSULTING ENGINEERS, PC
520 8TH AVE, SUITE 2201
NEW YORK, NY 10018
P: 212-957-4308 F: 212-947-4306

PROJECT ADDRESS:

HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

DATE: 9/12/2022

SHEET TITLE: LANDMARKS - EXISTING

NO. 1284-G04

SCALE: NONE

NYC DOB ESCAN

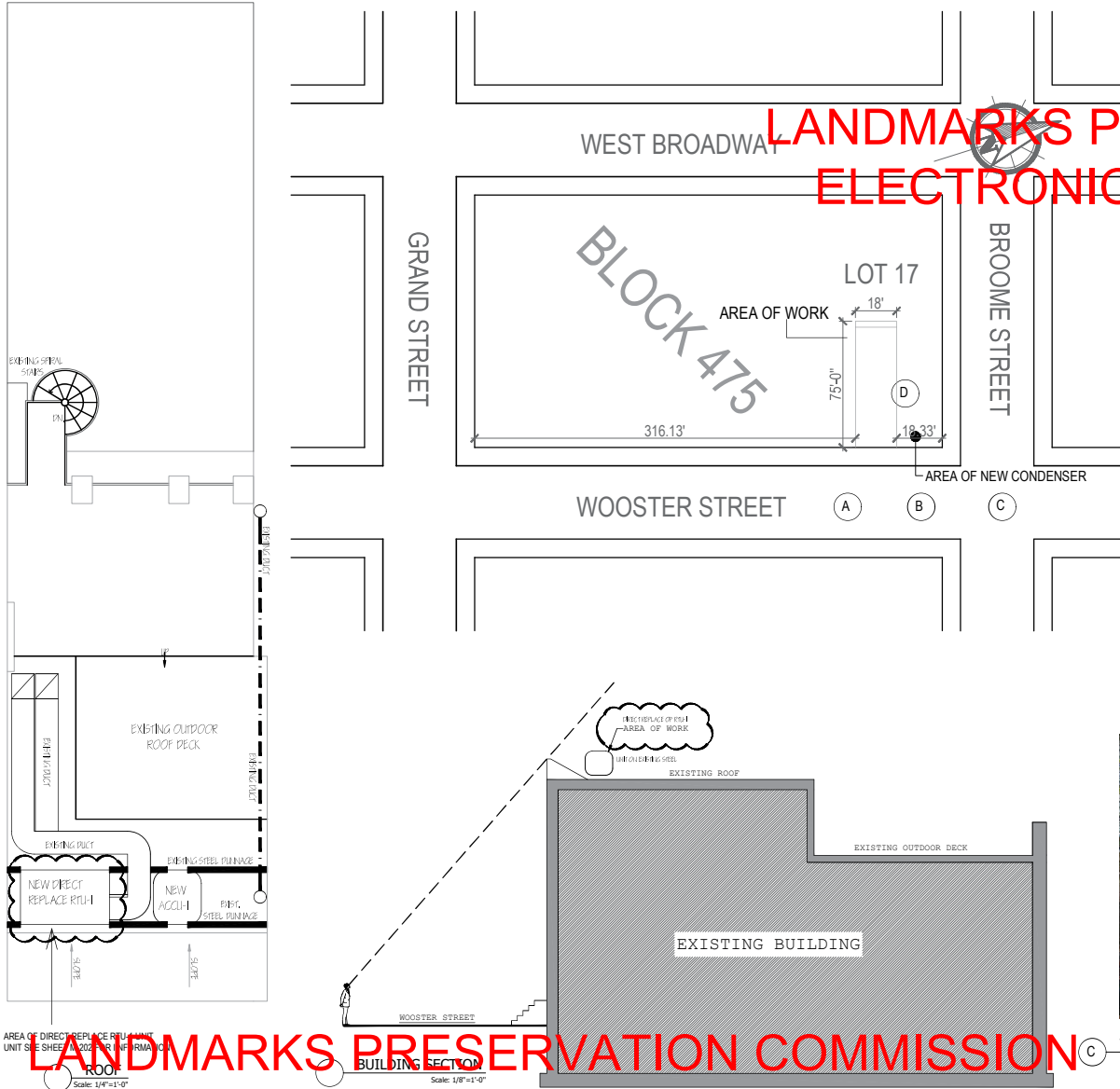
DOB NOW APPLICATION #M00350247-P1

DRAWING NUMBER: M-002.01

SHEET 2 OF 14

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



LANDMARKS PRESERVATION COMMISSION
ELECTRONIC APPROVAL - 01/05/2023 - JG



A WOOSTER STREET SIDE VIEW
N.T.S.



B WOOSTER STREET FRONT VIEW
N.T.S.

FILED IN CONJUNCTION WITH PL GAS WORK (M00350703)



C WOOSTER STREET CORNER VIEW
N.T.S.



D ROOF CONDENSER LOCATION
N.T.S.

DISCLAIMER NOTE
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2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL WORK PERFORMED AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
3. THIS LAYOUT COMPLIES WITH THE STATE OF NEW YORK CITY PLANNING DEPT. LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER THIS PLAN IN ANY WAY.
4. THIS LAYOUT COMPLIES WITH THE 2010 E.C.C.C. NY LOCAL LAW NO. 24 OF 2010, LOCAL LAW 2021.

02.08.2022 ISSUE FOR PAA

LANDLORD'S / OWNER'S INFORMATION:

NEW YORK CITY EXPIRED:
R.I.P. C.C. INC.
325 BROADWAY SUITE 304
NEW YORK, NY 10007
TEL: 212-334-7400

ARCHITECT / ENGINEER OF RECORD:
EDWARD GUTERMAN P.E. #061893-1
325 BROADWAY SUITE 304
NEW YORK, NY 10007
212-334-4114

CONSULTING ENGINEERS:

GUTH DeCONZO
CONSULTING ENGINEERS, PC
520 8TH AVE, SUITE 2201,
NEW YORK, NY 10018
P: 212-925-4308 F: 212-947-4306

PROJECT ADDRESS:
HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

DS. SHEET TITLE:
LANDMARKS - PROPOSED

DATE: 9/12/2022
PROJECT NO: 4264-004
DRAWN BY: WH
SCALE: NONE
NYC DOB ESCAN

DOB NOW APPLICATION #M00350247-P1

DRAWING NUMBER:
M-003.01

SHEET 3 OF 14

LANDMARKS PRESERVATION COMMISSION
ELECTRONIC APPROVAL - 01/05/2023 - JG

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE. THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

COMcheck Software Version 4.1.5.5 Mechanical Compliance Certificate

Project Information
Energy Code: 2020 New York City Energy Conservation Code
Location: New York, New York
Project Name: Alton

Contractor Information
Contractor: Overlook
Address: 528 West 101st St, New York, NY 10018

Mechanical System Type & Description
1. **Central Air Conditioning (Single Zone)**
Project Name: Central Air Conditioning, Capacity: 100,000 Btu/h
System Efficiency: 10.00 EER, Seasonal Efficiency: 60.00 SEER, 10.00 EER, 60.00 SEER
Control: On/Off, Load Control: On/Off, Fan Control: On/Off, Variable Frequency Drive: No
Fan System: FAN SYSTEM 1 - Compressor (Motor nameplate HP method) - Phase
Fan: FAN 1 Supply, Constant Volume, 250 CFM, 1.0 motor nameplate hp, 0.5 for efficiency grade
2. **Roof Top Unit (Single Zone)**
Project Name: Central Air Conditioning, Capacity: 90,000 Btu/h
System Efficiency: 10.00 EER, Seasonal Efficiency: 60.00 SEER, 10.00 EER, 60.00 SEER
Control: On/Off, Load Control: On/Off, Fan Control: On/Off, Variable Frequency Drive: No
Fan System: FAN SYSTEM 1 - Compressor (Motor nameplate HP method) - Phase
Fan: FAN 1 Supply, Constant Volume, 250 CFM, 1.0 motor nameplate hp, 0.5 for efficiency grade

Mechanical Compliance Statement
I, the undersigned, as the professional engineer responsible for the design of the system, certify that the design complies with the applicable provisions of the 2020 New York City Energy Conservation Code, and that the system is designed to comply with the applicable provisions of the 2020 New York City Energy Conservation Code, and that the system is designed to comply with the applicable provisions of the 2020 New York City Energy Conservation Code, and that the system is designed to comply with the applicable provisions of the 2020 New York City Energy Conservation Code.

DATE: 02/04/2022
NAME: HAZEN & MITCHELL
SIGNATURE: [Signature]

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH 2020 NYC EC

Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 1 of 11

COMcheck Software Version 4.1.5.5 Inspection Checklist

Energy Code: 2010 New York City Energy Conservation Code

Requirements: 100. The user addressed directly in the COMcheck software that is the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed, where comments are provided in a separate table, as reference to that table is provided.

Section #	Plan Review	Compliant?	Comments/Assumptions
CA02.2 (M127)	Pans, specifications, and/or drawings shall be submitted with the permit application and shall be reviewed by the mechanical code official.	Compliant	Requirement will be met.
CA03.2 (M127)	Electric motors for heated spaces in commercial buildings shall have a nameplate rating that is not less than the nameplate rating of the motor as specified in the manufacturer's literature.	Compliant	Requirement does not apply.

Additional Comments/Assumptions:

1	2	3	4
High Impact (Plr 1)	Medium Impact (Plr 2)	Low Impact (Plr 3)	

Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 7 of 11

COMcheck Software Version 4.1.5.5 Inspection Checklist

Energy Code: 2010 New York City Energy Conservation Code

Requirements: 100. The user addressed directly in the COMcheck software that is the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed, where comments are provided in a separate table, as reference to that table is provided.

Section #	Plan Review	Compliant?	Comments/Assumptions
CA03.2 (M127)	Electric motors for heated spaces in commercial buildings shall have a nameplate rating that is not less than the nameplate rating of the motor as specified in the manufacturer's literature.	Compliant	Requirement does not apply.

Additional Comments/Assumptions:

1	2	3	4
High Impact (Plr 1)	Medium Impact (Plr 2)	Low Impact (Plr 3)	

Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 7 of 11

COMcheck Software Version 4.1.5.5 Inspection Checklist

Energy Code: 2010 New York City Energy Conservation Code

Requirements: 100. The user addressed directly in the COMcheck software that is the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed, where comments are provided in a separate table, as reference to that table is provided.

Section #	Plan Review	Compliant?	Comments/Assumptions
CA03.2 (M127)	Electric motors for heated spaces in commercial buildings shall have a nameplate rating that is not less than the nameplate rating of the motor as specified in the manufacturer's literature.	Compliant	Requirement does not apply.

Additional Comments/Assumptions:

1	2	3	4
High Impact (Plr 1)	Medium Impact (Plr 2)	Low Impact (Plr 3)	

Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 7 of 11

COMcheck Software Version 4.1.5.5 Inspection Checklist

Energy Code: 2010 New York City Energy Conservation Code

Requirements: 100. The user addressed directly in the COMcheck software that is the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed, where comments are provided in a separate table, as reference to that table is provided.

Section #	Plan Review	Compliant?	Comments/Assumptions
CA03.2 (M127)	Electric motors for heated spaces in commercial buildings shall have a nameplate rating that is not less than the nameplate rating of the motor as specified in the manufacturer's literature.	Compliant	Requirement does not apply.

Additional Comments/Assumptions:

1	2	3	4
High Impact (Plr 1)	Medium Impact (Plr 2)	Low Impact (Plr 3)	

Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 7 of 11

COMcheck Software Version 4.1.5.5 Inspection Checklist

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Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 6 of 11

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Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 7 of 11

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Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 9 of 11

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Project Title: Report Date: 06/29/22
Data Filename: P:\4264-G08\Documents\CA164204.ecx Page: 9 of 11

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02.08.2022 ISSUE FOR PAW

LANDLORD'S OWNERS INFORMATION

NEW YORK CITY EXISTING:

R.L.P. C.C. INC.
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NEW YORK, NY 10007
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P: 212-967-4308 F: 212-947-4306

PROJECT ADDRESS:

HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

SHEET TITLE:

BE COMCHECK

DATE: 9/2/2022

PROJECT # 4264-G04

DRAWN BY WH

SCALE NONE

NYC DOB ESCAN

DOB NOW APPLICATION: #M00350247-P1

DRAWING NUMBER: M-005.00

SHEET 5 OF 14

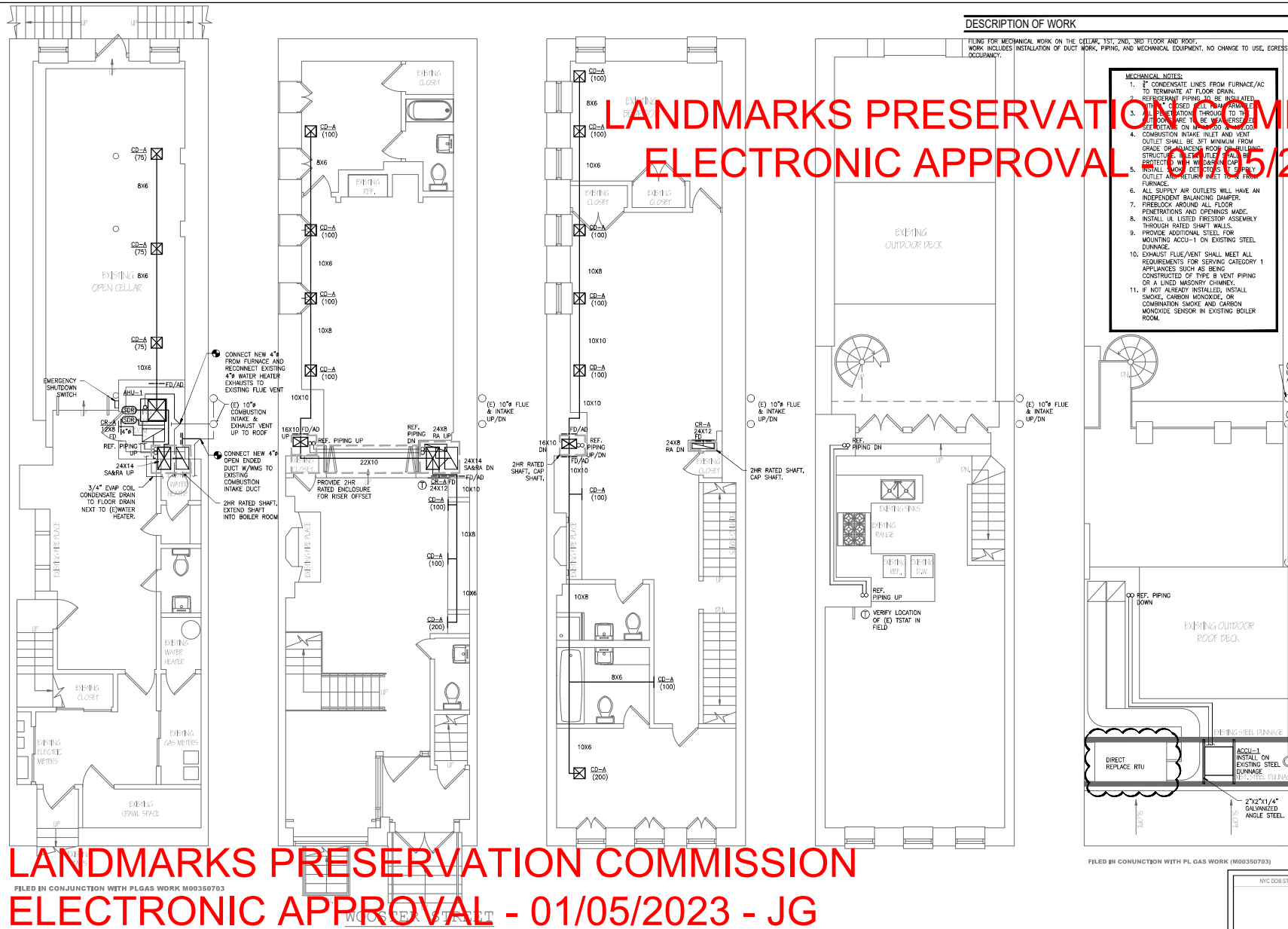
LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

LAST TWO PAGES OF COMCHECK REPORT OMITTED DUE TO BEING EMPTY PAGES.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

IN CONJUNCTION WITH PL GAS WORK (M00350703)

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AN BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



DESCRIPTION OF WORK

FILES FOR MECHANICAL WORK ON THE CELLAR, 1ST, 2ND, 3RD FLOOR AND ROOF. WORK INCLUDES INSTALLATION OF DUCT WORK, PIPING, AND MECHANICAL EQUIPMENT. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.

- MECHANICAL NOTES:**
- CONDENSATE LINES FROM FURNACE/AC TO TERMINATE AT FLOOR DRAIN.
 - REFRIGERANT PIPING TO BE INSULATED WITH 1\"/>

LANDMARKS PRESERVATION COMMISSION
ELECTRONIC APPROVAL 01/05/2023 - JG

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02.08.2022 ISSUE FOR PAA

LANDLORD'S / OWNER'S INFORMATION

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520 8TH AVE, SUITE 2201,
NEW YORK, NY 10018
P: 212-925-4308 F: 212-947-4336

PROJECT ADDRESS:
HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

SHEET TITLE:
MECHANICAL PLANS

PROJECT # 4264-G34
DRAWN BY WH
SCALE 1/4\"/>

NYC DOB ESCAN

DOB NOW APPLICATION #M00350247-P1

DRAWING NUMBER
M-101.01

SHEET 6 OF 14

CELLAR MECHANICAL PLAN SCALE: 1/4\"/>

FIRST FLOOR MECHANICAL PLAN SCALE: 1/4\"/>

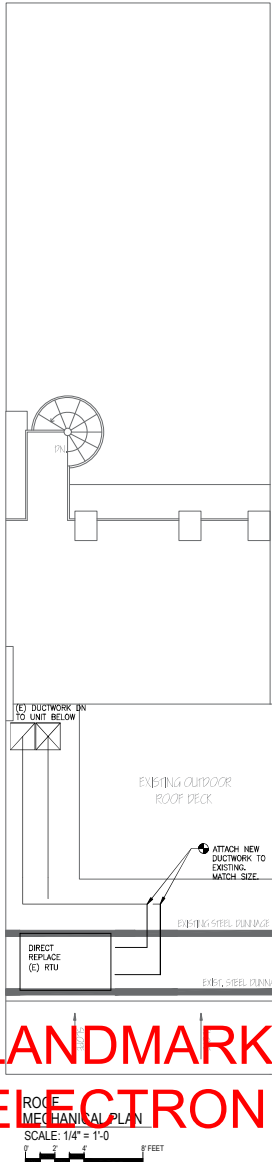
SECOND FLOOR MECHANICAL PLAN SCALE: 1/4\"/>

THIRD FLOOR MECHANICAL PLAN SCALE: 1/4\"/>

ROOF MECHANICAL PLAN SCALE: 1/4\"/>

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LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG



ROOF TOP UNIT REPLACEMENT SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	DX COOLING		SUPPLY FAN DATA						MODULATING HIGH GAS HEATING DATA				ELECTRICAL DATA			SEER	THERMAL EFFICIENCY	APPROX. WEIGHT (LBS)	REMARKS
			TOTAL CAPACITY MBH	AMBIENT DB/WB °F	TOTAL CFM	DESIGN O.A. CFM	MAX. E.S.P. (N.W.G.)	MOTOR BHP	MOTOR HP	MOTOR RPM	TOTAL INPUT MBH	TOTAL CAP. MBH	NO. STAGES	TURNDOWN RATIO	VOLT/PH/Hz	MCA	MOP A				
RTU-1	CARRIER	48KCEAD6	58.5	73	1750	-	1.0	1.5	2	1466	90000	73000	1	2:1	208/1/60	40	60	14.1	81.2	597	ON EXISTING DRAINAGE. SIDE DISCHARGE UNIT ACCESSORY POWER EXHAUST ORPWEXH

NOTES:

- AIR FILTERS SHALL BE ULL LISTED CLASS 1 AND PROVIDED BY UNIT MANUFACTURER, MERV 8.
- UNIT MANUFACTURER TO FURNISH AND MECHANICAL CONTRACTOR TO INSTALL A DISCONNECT SWITCH.
- CONTRACTOR TO PROVIDE A PERMANENT WEATHER-PROOF LABEL FOR THE ROOFTOP UNIT INDICATING THE SPACE(S) IT SERVES, AND THE SOURCE OF POWER (ROOM AND PANEL NAMES).
- PROVIDE COPPER CONDENSATE DRAIN LINE TO NEAREST ROOF DRAIN OR RAIN GUTTER. PIPE TO BE PERMANENTLY SUPPORTED ON ROOF.
- UNIT TO BE PROVIDED WITH POWER EXHAUST.
- DIRECT REPLACEMENT SHALL MATCH THE EXISTING MAKE & MODEL OF THE CURRENT UNIT WITH MATCHING FEATURES AND ACCESSORIES. OTHERWISE, IF UNIT IS DISCONTINUED, CONTRACTOR SHALL INSTALL THE MOST UP-TO-DATE MODEL REPLACEMENT FROM THE MANUFACTURER.

FILED IN CONJUNCTION WITH PL GAS WORK (M00359703)

MECHANICAL NOTES:

- INSTALL UNIT ON NEW VIBRATION ISOLATION.
- DEMO EXISTING DUCTWORK BACK AS FAR AS REQUIRED FOR REPLACEMENT OF UNIT. INSTALL NEW TRANSITIONS FROM UNIT OUTLET TO EXISTING DUCTWORK W/FLEXIBLE CONNECTIONS.
- ALL NEW DUCTWORK TO HAVE INTERIOR INSULATION.
- DISCONNECT AND RECONNECT EXISTING POWER WIRING TO UNITS.

LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

ROOF MECHANICAL PLAN
SCALE: 1/4" = 1'-0"
0 2 4 8 FEET

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3. THIS LAYOUT COMPLIES WITH THE 2010 E.C.C.C. NY/LOCAL LAW 2010 AND 2014 NY/LOCAL LAW 10071.

02.08.2022 ISSUE FOR PAA

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P: 212-967-4308 F: 212-947-4306

PROJECT ADDRESS:
HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

SHEET TITLE:
MECHANICAL RTU REPLACEMENT

9/12/2022
NYC DOB STAMPS & SIGNATURES
NYC DOB ESCAN

DOB NOW APPLICATION:
#M00350247-P1

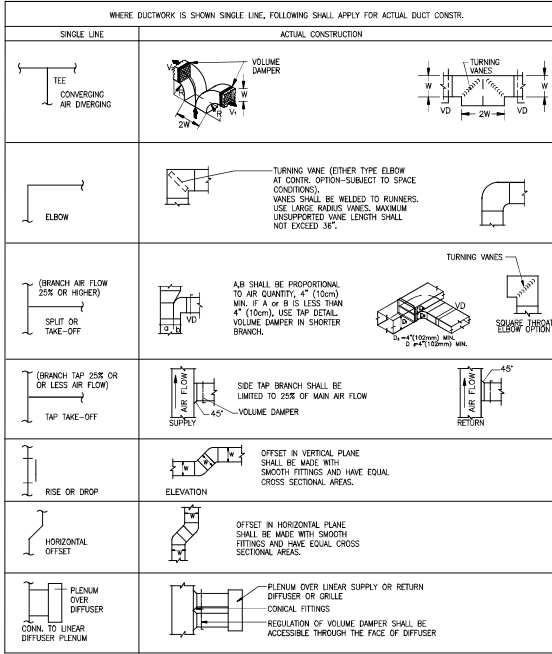
DRAWING NUMBER:
M-202.00

SHEET 7 OF 14

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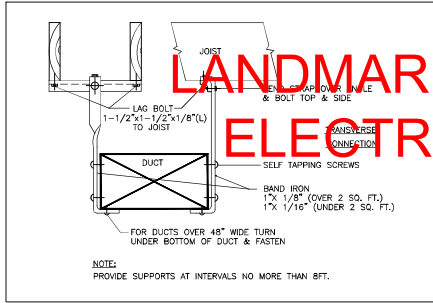
INTERPRETATION OF SINGLE LINE DUCTWORK

NOT TO SCALE



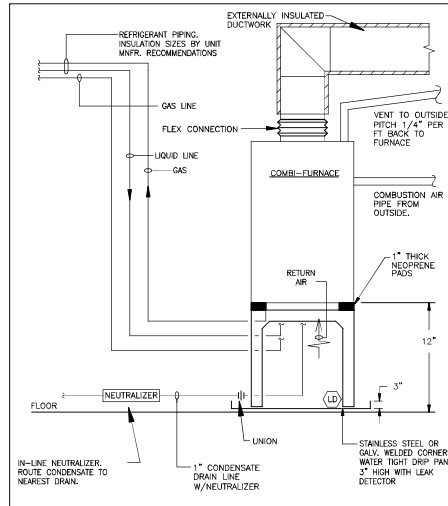
DETAIL OF DUCT SUPPORT (WOOD JOIST)

NOT TO SCALE



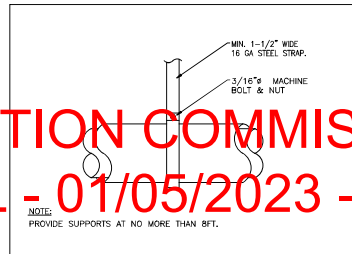
VERTICAL COMBINATION FURNACE

NOT TO SCALE



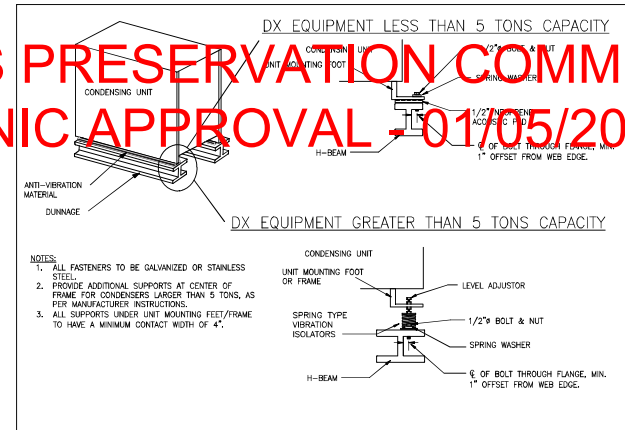
ROUND DUCT SUPPORT - HORIZONTAL

NOT TO SCALE



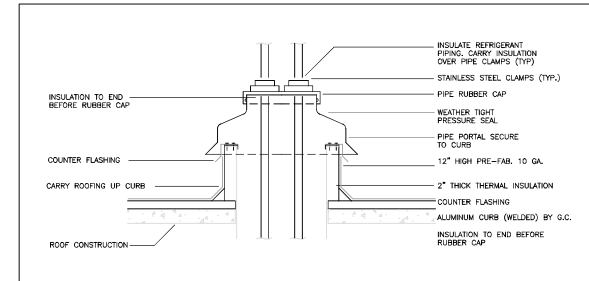
OUTDOOR DX EQUIPMENT - DUNNAGE SUPPORT

NOT TO SCALE



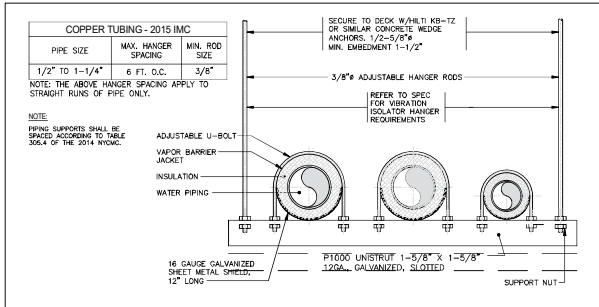
REFRIGERANT PIPING THROUGH ROOF DETAIL

NOT TO SCALE



TRAPEZE PIPE HANGER DETAIL

NOT TO SCALE



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3. THIS LAYOUT IS SUBJECT TO THE 2010 E.C.C.C. NYSDOCS LAW AND ORDER OF LAW 10071

02.08.2022 ISSUE FOR PAA

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P: 212-967-4308 F: 212-947-4308

PROJECT ADDRESS:

HEAT ME
53 WOOSTER STREET
NEW YORK, NEW YORK

SHEET TITLE:

MECHANICAL DETAILS

DATE: 9/12/22

PROJECT # 4284-G04

SCALE: NONE

NYC DOB ESCAN

DOB NOW APPLICATION - #M00350247-P1

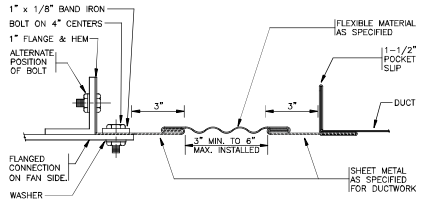
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SHEET 9 OF 14

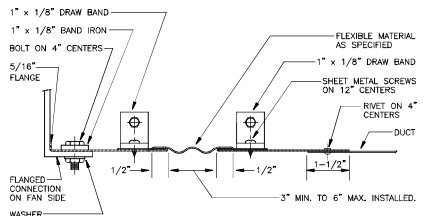
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FLEXIBLE CONNECTIONS NOT TO SCALE



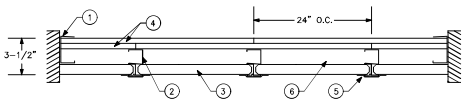
RECTANGULAR FLEXIBLE CONNECTION



ROUND FLEXIBLE CONNECTION

NOTE: FLEXIBLE CONNECTIONS SHALL BE UL 181 LISTED AND SHALL COMPLY WITH ALL REQUIREMENTS OF 2014 NFPA: SECTION 603.6.

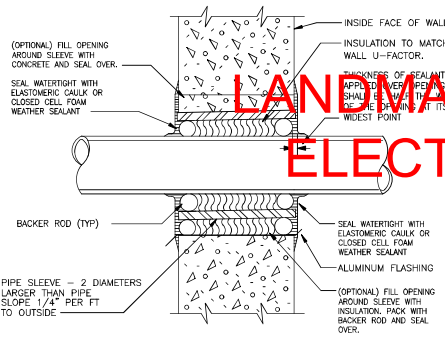
2-HOUR RATED SHAFTWALL DETAIL NOT TO SCALE



Approved Design No. U415 System B F Rating - 2 Hr ANSI/UL 263

- 1. FLOOR, SIDE AND CEILING RUNNERS - 1" SHAPED RUNNER, MIN 2-1/2" DEEP, WITH UNEQUAL LEGS OF 1" AND 2", FABRICATED FROM MIN 24 MSG GALV. STEEL...
2. STEEL STUDS - "C"-H - SHAPED STUDS, MIN 2-1/2" DEEP, FABRICATED FROM MIN 25 MSG GALV. STEEL...
3. GYPSUM BOARD SHAFT LINER - GYPSUM LINER PANELS TYPE SLX, NOM. 1" THICK, 24" WIDE...
4. SYSTEM B GYPSUM BOARD PANELS - GYPSUM PANELS FIRECODE TYPE C OR X, WITH BEVELED, SQUARE, OR TAPERED EDGES...
5. JOINT TAPE AND COMPOUND - JOINTS ON OUTER LAYERS OF GYPSUM BOARDS COVERED WITH PAPER TAPE AND JOINT COMPOUND...
6. DATE OF MANUFACTURE (OPTIONAL) AND SHALL BE ON OR GLASS TAPES BEING PARTIALLY OR COMPLETELY FILLING STUD CAVITY...

PIPE SLEEVE CUT THRU EXTERIOR WALL NOT TO SCALE



NOTE SLEEVE DETAIL APPLIES EQUALLY TO INSTALLATIONS BELOW OR ABOVE GRADE

SLEEVES AND ESCUTCHEONS

- A. SLEEVES FOR PIPING THROUGH MASONRY WALLS SHALL BE SCHEDULE 40, STANDARD GALVANIZED STEEL PIPE...
B. EXPOSED PIPING PASSING THROUGH WALLS, FLOORS, OR CEILINGS SHALL BE FITTED WITH CHROMIUM-PLATED CAST BRASS ESCUTCHEONS WITH FASTENING SET SCREWS.

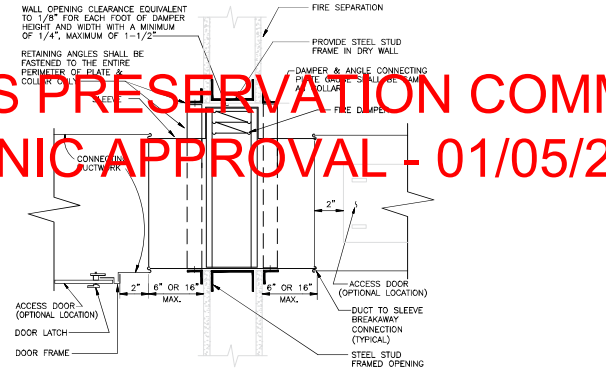
CUTTING AND PATCHING

- A. OPENINGS CUT OR DRILLED THROUGH WALLS OR FLOORS SHALL BE NO GREATER THAN ONE HALF INCH LARGER THAN THE SLEEVE BEING INSTALLED.
B. PATCHING OF CONCRETE WALLS OR FLOORS ARE PERMITTED TO HAVE CONCRETE POURED AND CURED DIRECTLY TO THE SLEEVE.

WEATHERPROOFING

- A. FLASH THE EXTERIOR OPENING WITH ALUMINUM OR APPROVED MOISTURE BARRIER MATERIALS.
B. FILL CAVITY AROUND PIPE AND/OR SLEEVE WITH INSULATION TO MATCH OR EXCEED THE R-VALUE OR U-FACTOR OF THE EXISTING WALL...
C. SEAL OVER THE JOINT BETWEEN THE EXISTING WALL AND THE FILLED OPENINGS WITH ELASTOMERIC CAULK...
D. IF THE WALL IS FIRE RATED, REFER TO THE UL LISTED FIRESTOP ASSEMBLY REQUIREMENTS.

FIRE DAMPER INSTALLATION TYPE 'B' FOR MAIN OR BRANCH DUCT NOT TO SCALE



FIRE DAMPER NOTES:

- 1. FIRE RESISTANCE RATING OF FIRE DAMPERS SHALL COMPLY WITH NFPA 90A, UL 555 AND NYBC REFERENCE STANDARD RS 13.
2. FIRE DAMPERS SHALL BE APPROVED FOR THIS INSTALLATION BY ALL AUTHORITIES WITH JURISDICTION AND LABELED BY UNDERWRITERS LABORATORIES (UL).
3. FIRE DAMPERS MUST BE DYNAMIC RATED TYPE.
4. FIRE DAMPERS PLACED IN VERTICAL POSITION SHALL BE GRAVITY-OPERATED...
5. TEMPERATURE RATING OF FUSIBLE LINK SHALL BE 160°F FOR MOST AIR SYSTEMS AND 280°F FOR SPILL AIR DUCTS...
6. FOR WALL/PARTITIONS HAVING A FIRE RESISTANCE RATING OF LESS THAN 2 HOURS...
7. FOR WALL/PARTITIONS HAVING A FIRE RESISTANCE RATING OF 2 HOURS...
8. FIRE DAMPER SLEEVE SHALL BE 1/8 GAUGE FOR DAMPERS WITH DIMENSIONS NOT EXCEEDING 24 IN. IN HEIGHT OR 36 IN. IN WIDTH...
9. DUCT TO DAMPER SLEEVE CONNECTIONS SHALL BE BREAKAWAY STYLE...
10. DAMPER SLEEVES SHALL NOT EXTEND MORE THAN 6 IN. BEYOND THE FIRE WALL OR PARTITION...
11. MOUNTING ANGLES SHALL BE A MINIMUM OF 1-1/2"x1-1/2"x14 GAUGE AND FASTENED TO SLEEVE WITH NO. 10 SHEET METAL SCREWS...
12. THE CONTRACTOR SHALL SEAL ALL JOINTS OF THE SLEEVE WITH SEALANT...
13. PROVIDE ACCESS DOORS ON EITHER SIDE OF THE SLEEVE...
14. CEILING FIRE DAMPERS SHALL BE SUITABLE FOR INSTALLATION INSIDE DUCT AND SUPPORT MOUNTING OF DIFFUSERS OR GRILLES...

LAN MARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

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2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL THE INFORMATION AND REPORTS AND REPORT TO THE ARCHITECT AND/OR ENGINEER...
4. THIS LAYOUT COMPLETES THE 2010 E.C.C.C. NYSDOCLAW AND THE 2010 E.C.C.C. NYSDOCLAW AND THE 2010 E.C.C.C. NYSDOCLAW.

Table with columns for Date, Issue, and Description. Includes entry for 02.08.2022 ISSUE FOR PAA.

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PROJECT ADDRESS: HEAT ME 53 WOOSTER STREET NEW YORK, NEW YORK

SHEET TITLE: MECHANICAL DETAILS
PROJECT: 4284-G04
DRAWN BY: WH
SCALE: NONE
NYC DOB STAMPS AND SIGNATURES

DOB NOW APPLICATION #M0350247-P1
DRAWING NUMBER: M-402.00
SHEET: 10 OF 14

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE. THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

INDOOR COMBINATION FURNACE/AC SCHEDULE

MANUFACTURER BY "GIBSON"

DESIGNATION	LOCATION	CFM (H/L)	NOMINAL TONS	COOLING CAPACITY (BTUH)	HEATING INPUT (BTUH)	ESP (IN. WG.)	EFFICIENCY AFUE (%)	FLA (A)	VOLTS/PHASE/Hz	OPERATING WEIGHT, LBS	DIMENSIONS H"XW"X"D"	REFRIGERANT PIPING CONNECTIONS (LIQUID)	GAS PIPING CONNECTIONS (IN)	MODEL NO.	OUTDOOR UNIT
AHU-1	CELLAR	2240/1345	4	48,000	126,000	0.1-0.8	80	13.75	115/1/60	145	34-1/2 X 28-3/4 X 17-1/2	3/8	7/8	1/2	K67SA-126C ACCU-1

- NOTES:
1. PROVIDE COMBINATION FURNACE/AC SYSTEM FROM GIBSON.
 2. CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL DISCONNECT AND EMERGENCY SHUTOFF.
 3. ALL CONTROL WIRING TO BE DONE BY MECHANICAL CONTRACTOR, UNLESS OTHERWISE NOTED BY CONSTRUCTION MANAGEMENT.
 4. REFRIGERANT PIPE SIZING SHALL BE BY MANUFACTURER RECOMMENDATION.
 5. ALL REFRIGERANT PIPING TO BE INSULATED WITH MINIMUM 1" ROOF ARMAFLEX TYPE INSULATION.
 6. EXACT HEIGHT & LOCATION OF ALL THERMOSTATS TO BE COORDINATED WITH ARCHITECT.
 7. PROVIDE EVAPORATOR PORTION WITH ALTERNATE DRAIN LEAK DETECTION INTERLOCKED WITH UNIT FOR AUTOMATIC SHUTDOWN.

8. PROVIDE SMOKE DETECTOR AND/OR CARBON MONOXIDE SENSOR, OR COMBINATION OF SENSORS, IN THE AREA OF UNIT INSTALLATION IF ONE IS NOT ALREADY INSTALLED.
9. COMBINATION FURNACE/AC SYSTEM SHALL BE FACTORY TESTED AND LISTED TO BE IN COMPLIANCE WITH THE STANDARDS PUT FORTH BY AHRF 210/240, AND ETL-ANSI 221.47.

AIR COOLED CONDENSING UNIT

MANUFACTURER BY "GIBSON"

DESIGNATION	SERVICE	MODEL	COOLING CAPACITY (TONS)	MOP (A)	MCA (A)	VOLTS/PHASE/Hz	SHIPPING WEIGHT, LBS	EFFICIENCY RATINGS COOLING/HEATING (EER/SEER)/COP/HSFP	DIMENSIONS H"XW"X"D"
ACCU-1	FURNACE/AC	J548D-060KB	5	60	34.2	208/1/60	219	(13)/NA	43 X 30-3/4 X 30-3/4

- NOTES:
1. INSTALL WITH FUSED DISCONNECT SWITCH.
 2. REFRIGERANT PIPE SIZE SHALL BE PER UNIT MANUFACTURER'S RECOMMENDATION BASED ON ACTUAL LENGTH OF RUN AND NUMBER OF ELBOWS. DATA SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
 3. STARTUP AND COMMISSIONING OF SYSTEM TO BE TO BE PERFORMED OR OVERSEEN BY UNIT MANUFACTURER.
 4. INSTALL ON RUBBER VIBRATION ISOLATION PADS.

File in conjunction with PL GAS WORK M00350703

AIR OUTLET SCHEDULE

SQUARE SUPPLY DIFFUSERS	
(DESIGNATED "CD-A" ON PLAN).	
MANUFACTURER	- TITUS
MODEL NO.	- 30 RL
FINISH	- AS PER ARCHITECTURAL REQUIREMENTS
FRAME TYPE	- TO COORDINATE WITH LATEST ARCHITECTURAL REFLECTING CEILING AND CEILING GRID PLANS.
SIZE	- FOR DIMENSIONS AND AIRFLOW CAPACITY SEE DESIGN DRAWINGS. CHECK SHEET IS CONNECTED DUCTWORK.

SQUARE RETURN DIFFUSERS	
(DESIGNATED "CR-A" ON PLAN).	
MANUFACTURER	- TITUS
MODEL NO.	- 350 RL WITH 45° BLADES
FINISH	- AS PER ARCHITECTURAL REQUIREMENTS.
FRAME TYPE	- TO COORDINATE WITH LATEST ARCHITECTURAL REFLECTING CEILING AND CEILING GRID PLANS.
SIZE	- FOR DIMENSIONS, AND AIRFLOW CAPACITY SEE DESIGN DRAWINGS.

LANDMARKS PRESERVATION COMMISSION
ELECTRONIC APPROVAL 01/05/2023 - JG

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ELECTRONIC APPROVAL - 01/05/2023 - JG

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2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL WORK FOR ACCURACY AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO CORRECT THE SAME IN ANY WAY.

4. THIS LAYOUT COMPLIES WITH THE 2010 E.C.C.C. NYSDOCS LAW 10011 AND 10014.

02.08.2022 ISSUE FOR PAA

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PROJECT ADDRESS:

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NEW YORK, NEW YORK

SHEET TITLE

MECHANICAL SCHEDULES

DATE: 9/18/2022

PROJECT # 4264-G04

DRAWN BY WH

SCALE NONE

NYC DOB ESCAN

DOB NOW APPLICATION #M00350247-P1

DRAWING NUMBER

M-501.00

SHEET 11 OF 14

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

MECHANICAL SPECIFICATIONS

1. GENERAL CONDITIONS

- A. THE APPLICABLE PROVISIONS OF THE GENERAL CONSTRUCTION SPECIFICATIONS SHALL APPLY.
- B. THE BASE BUILDING GENERAL PROVISIONS AND BEDDING REQUIREMENTS ARE PART OF THIS SECTION AND CONTRACT. ALL WORK PERFORMED HEREUNDER SHALL BE SUBJECT THERETO.
- C. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE PART OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER PRIOR TO SUBMITTING THE PROPOSAL. ALL WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS, THE CONTRACTOR, AT AN ADDITIONAL COST TO THE OWNER, SHALL CORRECT ANY WORK DONE BY HIM CAUSING SUCH VIOLATION.
- D. THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, DROPS AND RISERS OF RUNS FOR DUCTS & PIPING. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF DUCTS AND PIPING TO AVOID OBSTRUCTIONS. EXACT LOCATIONS ARE SUBJECT TO APPROVAL OF THE ARCHITECT/ENGINEER. THIS CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL NEW WORK WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES.
- E. IT IS THE INTENTION OF THESE DRAWINGS AND SPECIFICATION TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ALL MATERIALS, WORK, INCIDENTAL ACCESSORIES OR OTHER ITEMS NOT SHOWN BUT NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE AUTHORITY.
- F. THE CONTRACTOR SHALL PROVIDE ALL ITEMS OF LABOR OR MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED TO COMPLETE THE INSTALLED INSTALLATIONS.
- G. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK MAY BE NECESSARY FOR THE PERFORMANCE OF THE WORK. ALL EXISTING CONDITIONS SHOULD BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAJOR WORK AREAS.
- H. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO STARTING WORK. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF EXISTING PIPING AND OTHER EQUIPMENT THAT AFFECTS THE SCOPE OF WORK. CONTRACTOR SHALL SUBMIT A PIPING PLAN AS REQUIRED. THE PIPING PLAN MUST BE APPROVED BY THE FACILITY'S REPRESENTATIVE PRIOR TO THE START OF ANY WORK.
- I. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED, WHERE NECESSARY, EQUIPMENT FROM THE MANUFACTURER'S INSTALLATION INSTRUCTIONS IS SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER THE TYPES OF DRY EQUIPMENT THAT MAY BE MOVED THROUGH ALL AREAS. ALL WALLS, DOORS, SLABS AND OTHER BUILDING COMPONENTS THAT MUST BE REMOVED FOR ACCESS MUST BE REBUILT AND COORDINATED WITH THE ARCHITECT. ERECTION OF EQUIPMENT SHALL BE SUPERVISED BY THE CONTRACTOR UNDER DIRECT SUPERVISION BY A MANUFACTURER'S REPRESENTATIVE AND MUST BE FIELD TESTED AND A LETTER OF ACCEPTANCE PROVIDED BY THE MANUFACTURER FOR THE FIELD INSTALLATION OF THE EQUIPMENT.
- J. SUBMISSION OF A PROPOSAL SHALL BE CONSIDERED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING EQUIPMENT HAS BEEN MADE TO EFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATENT CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING DUCTS (SIZES, CLEARANCES, ETC.) AND CONDITIONS, AND THE CONTRACTOR SHALL OBSERVE AND RECORD HIS PERFORMANCE AND WORK QUALIFICATIONS SHALL COMPLY WITH THE LATEST NEW YORK CITY BUILDING CODE, NFPA, THE APPLICABLE STANDARDS OF THE AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS, THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, AND THE REGULATION OF ANY OTHER AUTHORITY HAVING JURISDICTION.
- K. THE CONTRACTOR'S PROPOSAL TO BE DONE FOR ALL WORK PERFORMANCE DURING REGULAR WORKING HOURS. HOWEVER, WHEN DIRECTED BY THE CLIENT OR OWNER THIS CONTRACTOR CAN PERFORM WORK DURING OVERTIME HOURS. PRIOR TO DO SO THE CONTRACTOR TO OBTAIN WRITTEN AUTHORIZATION INDICATING DAYS, HOURS AND METHODS OF THE COMPENSATION FOR SUCH SERVICES.
- L. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM THE DESIGN DOCUMENTS MAY BE MADE TO ACCOMPLISH THIS AT NO ADDITIONAL COST TO THE CLIENT OR OWNER, ANY CHANGES TO THE DESIGN AND/OR CONSTRUCTION SHALL BE SUBJECT TO THE PROJECT CAN BE MADE ONLY AFTER APPROVAL FROM THE ENGINEER OF RECORD, ARCHITECT OR OWNER/CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS PERFORMANCE AND HIS PERFORMANCE AND WORK QUALIFICATIONS SHALL COMPLY WITH THE LATEST NEW YORK CITY BUILDING CODE, NFPA, THE APPLICABLE STANDARDS OF THE AMERICAN SOCIETY OF HEATING AND AIR CONDITIONING ENGINEERS, THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, AND THE REGULATION OF ANY OTHER AUTHORITY HAVING JURISDICTION.
- M. CEILING HEIGHTS INDICATED ON DRAWINGS MUST BE MAINTAINED. THIS CONTRACTOR MUST RISE AND DROP DUCTWORK/PIPING BETWEEN EXISTING FRAMING AND UTILITIES AS REQUIRED. CHANGES IN THE CROSS-SECTIONAL DIMENSIONS OF A DUCT ARE PERMISSIBLE WHEN REQUIRED TO MEET JOB CONDITIONS AND SHALL MAINTAIN AT LEAST THE SAME EQUIVALENT CROSS-SECTIONAL DUCT AREA IN ACCORDANCE WITH THE LATEST EDITION OF THE ASHRAE GUIDE.
- N. THE WORK UNDER THIS CONTRACT SHALL BE PERFORMED SIMULTANEOUSLY WITH WORK OF OTHER TRADES, SO AS NOT TO DELAY THE OVERALL PROGRESS OF WORK.
- O. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK WITH ITS COMPLETION AND FINAL ACCEPTANCE AND SHALL REPLACE ANY OF SAME WHICH MAY BE DAMAGED, LOST OR STOLEN, WITHOUT ADDITIONAL COSTS TO THE OWNER.
- P. ALL MECHANICAL WORK SHALL BE FREE FROM DEFECTS IN BOTH WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE AND THE CONTRACTOR CAN PERFORM WORK DURING OVERTIME HOURS. PRIOR TO DO SO THE CONTRACTOR TO OBTAIN WRITTEN AUTHORIZATION INDICATING DAYS, HOURS AND METHODS OF THE COMPENSATION FOR SUCH SERVICES.
- Q. EXISTING DUCTS, PIPES, INSULATION, ETC., THAT ARE DAMAGED DURING CONSTRUCTION PERIOD, WHETHER OR NOT DUE TO THE CONTRACTOR'S NEGLIGENCE, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND LEFT IN A CONDITION SATISFACTORY TO THE BUILDING ENGINEER OF RECORD.
- R. ALL WORK AND MATERIAL TO BE IN ACCORDANCE WITH BASE BUILDING SPECIFICATIONS, LEASE REQUIREMENT AND TENANT WORK LETTER UNLESS NOTED OTHERWISE ON PLANS. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW AND FIRST CLASS QUALITY, UNLESS OTHERWISE NOTED, AND SHALL BE IN ACCORDANCE WITH BASE BUILDING SPECIFICATIONS AND CONTRACT DOCUMENTS.
- S. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO AVOID DAMAGE TO THE BUILDING OR TO THE CONTRACTOR'S NEIGHBOR. SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND LEFT IN A CONDITION SATISFACTORY TO THE BUILDING ENGINEER OF RECORD.
- T. ALL PRESENT MATERIALS TO BE INSTALLED SHALL BE FIELD TESTED UNDER THE CONTRACTOR'S SUPERVISION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING EQUIPMENT TO BE RETURNED BACK TO THE BUILDING OR TO THE CLIENT/OWNER FOR THE DIRECTIONS AND/OR SAFE KEEPING.
- V. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. INSTALL ISOLATION VALVES AT THE POINT OF CONNECTION TO THE EXISTING PIPING AS NEEDED. PROVIDE TEMPORARY DUCT CAPS AND/OR CONNECTIONS TO MINIMIZE SHUTDOWN TIME.

- W. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND AN APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ENGINEER.
- X. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEM.
- Y. ALL EXISTING SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK AS WELL AS STEAM, HOT WATER AND CHILLED WATER PIPING WHERE INSULATION IS MISSING OR DAMAGED SHALL BE FULLY INSULATED WITH 1-1/2" THICK THERMAL INSULATION BY THIS CONTRACTOR AS PART OF THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE CLIENT.
- Z. PROVIDE SMOKE DETECTORS AT SUPPLIES AND RETURNS FOR ALL AIR DISTRIBUTION SYSTEMS HAVING A CAPACITY OVER 2000 CFM FOR SUPPLIES, DETECTORS SHALL BE INSTALLED DOWNSTREAM OF AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. FOR RETURNS, DETECTORS SHALL BE INSTALLED UPSTREAM OF ANY FILTERS, EXHAUST AIR, OUTDOOR AIR CONNECTIONS, OR DECONTAMINATION EQUIPMENT AND APPLIANCES.
- AA. WHERE RETURN AIR RISERS SERVE TWO OR MORE STORES AS PART OF A RETURN AIR SYSTEM HAVING A DESIGN CAPACITY GREATER THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED AT EACH STORY AND UPSTREAM OF THE DUCT OR FLENUM CONNECTIONS TO THE RISERS.
- AB. PROVIDE REMOVABLE ACCESS TILE AND/OR ACCESS DOORS IN HUNG CEILINGS, SHAFTS AND WALLS FOR VOLUME DAMPERS AND ALL OTHER BASE BUILDING MECHANICAL EQUIPMENT AND DEVICES THAT ARE LOCATED INSIDE THE TENANT SPACES. HVAC CONTRACTOR SHALL FURNISH ACCESS LOCATION REQUIREMENTS TO A GENERAL CONTRACTOR. ACCESS TILE IDENTIFICATION: PROVIDE BUTTONS, TABS, AND MARKERS TO IDENTIFY LOCATION OF CONCEALED VALVES, DAMPERS AND EQUIPMENT.
- AC. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLED INSPECTION AS PART OF HIS CONTRACT. MECHANICAL CONTRACTOR SHALL PROVIDE THE NAME OF A LICENSED PROFESSIONAL ENGINEER TO ARCHITECT WHEN AWARDED CONTRACT.
- AD. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCED THE VARIOUS SYSTEMS AND DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.
- AE. ALL OPENINGS RESULTING FROM REMOVAL OF EXISTING DUCTWORK, CEILING DIFFUSERS AND CEILING REGISTERS SHALL BE BLANKED-OFF AND GAPPED AIR TIGHT, AS PER SMACNA.
- AF. UNLESS OTHERWISE SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO A CONDITION SATISFACTORY TO THE BUILDING MANAGER.
- AG. DESIGN AND PERFORMANCE OF COMPONENTS AND METHODS SPECIFIED HEREIN SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS OF THE ENTITIES LISTED BELOW:

2. OPERATING & MAINTENANCE INSTRUCTIONS

- A. AFTER FINAL TESTS AND ADJUSTMENTS, FULLY INSTRUCT OWNER'S OPERATING PERSONNEL IN ALL DETAILS OF OPERATION FOR EQUIPMENT INSTALLED.
- B. PROVIDE TO THE OWNER OPERATION AND MAINTENANCE MANUALS.
- C. GUARANTEE AND SERVICE.
 - 1. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FINAL ACCEPTANCE OF THE INSTALLATION BY THE OWNER.
 - 2. THE CONTRACTOR SHALL DURING THE PERIOD OF GUARANTEE REPLACE OR REPAIR AT HIS OWN EXPENSE ANY PIECE OF EQUIPMENT AND/OR MATERIAL WHICH IS FOUND TO BE DEFECTIVE. THE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGE TO SURROUNDING WORK CAUSED BY THE FAILURE, REPAIR OR REPLACEMENT OF DEFECTIVE EQUIPMENT AT HIS OWN EXPENSE.

3. SHOP DRAWINGS & EQUIPMENT SUBMISSIONS

- A. SIX (6) COPIES OF DUCTWORK AND PIPING AND CERTIFIED EQUIPMENT MANUFACTURER'S DATA SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION, ERECTION OR PURCHASE.
- B. PRODUCT DATA - SUBMIT MANUFACTURER'S PRINTED LITERATURE, CATALOG CUTS, CERTIFIED EQUIPMENT PERFORMANCE DATA, WIRING DIAGRAMS AND INSTALLATION INSTRUCTIONS.
- C. SHOP DRAWINGS - SUBMIT PLANS, SECTIONS, DETAILS, SCHEDULES AND CALCULATIONS. LAYOUTS SHALL BE DOUBLE LINE, SCALE: 3/8"=1'-0" COORDINATED WITH OTHER TRADES DRAWINGS. ALL MECHANICAL DRAWING ELEMENTS, SUBMIT ONE REPRODUCIBLE AND FIVE (5) PRINTS OF EACH DRAWING.
- D. MAINTENANCE MANUALS - PREPARE OPERATION AND MAINTENANCE MANUAL INCLUDING THE FOLLOWING:
 - 1. OPERATOR'S MANUAL WITH OPERATING AND MAINTENANCE INSTRUCTIONS.
 - 2. COPIES OF PRODUCT LITERATURE AND TEST REPORTS.
 - 3. COPIES OF ALL DRAWINGS AND PLANS, INCLUDING WIRING DIAGRAMS.
- E. ALL SHOP DRAWINGS MUST BE APPROVED BY THE BUILDING MANAGEMENT OFFICE BEFORE CONSTRUCTION PROCEEDS, INCLUDING THE FOLLOWING:
 - 1. MECHANICAL CONTRACTOR'S PROPOSED MECHANICAL EQUIPMENT.
 - 2. MECHANICAL CONTRACTOR'S PROPOSED MECHANICAL EQUIPMENT.
 - 3. DRAWING TEST REPORTS AND WATER PURITY TEST REPORTS (6 SETS).
 - 4. AIR AND WATER BALANCE REPORTS (2 SETS). WHEN BALANCING REPORT IS SUBMITTED TO THE BUILDING ENGINEER OF RECORD, THE CONTRACTOR SHALL PROVIDE TO THE CLIENT/OWNER FOR THE DIRECTIONS AND/OR SAFE KEEPING.

4. RECORD DRAWINGS

- A. REPRODUCIBLE RECORD DRAWINGS SHALL BE SUPPLIED UPON WHICH CORRECTIONS MADE TO WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ENGINEER.
- B. AS-BUILT INFORMATION SHALL BE SUBMITTED AS FOLLOWS:
 - 1. ALL CHANGES TO THE ORIGINAL DRAWINGS SHALL BE INDICATED BY RED PENCIL OR RED INK.
 - 2. ALL CHANGES TO THE ORIGINAL DRAWINGS SHALL BE INDICATED BY RED PENCIL OR RED INK.
 - 3. ALL CHANGES TO THE ORIGINAL DRAWINGS SHALL BE INDICATED BY RED PENCIL OR RED INK.

5. APPROVALS AND SUBSTITUTIONS

- A. IF THE INTENT OF THE SPECIFICATIONS IS TO PROTECT THE OWNER FROM THE USE OF EQUIPMENT WHICH DOES NOT MEET THE SPECIFIED REQUIREMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- B. SUBSTITUTED EQUIPMENT WHICH WOULD NOT CONFORM TO SPACE REQUIREMENTS, APPROVED OR NOT, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY MODIFICATION OF RELATED SYSTEMS OR ADDITIONAL COSTS THAT RESULT FROM SUBSTITUTED EQUIPMENT SHALL BE BORNE BY THIS CONTRACTOR.

7. CODES, PERMITS AND INSPECTIONS

- A. ALL WORK SHALL MEET OR EXCEED LATEST REQUIREMENTS OF THE N.Y. CITY CODE, MRI MANUAL, ISDO, STANDARDS AND OTHER AUTHORITIES, EXERCISING JURISDICTION OF THE WORK OF THIS PROJECT.
- B. ANY PORTION OF WORK WHICH IS NOT SUBJECT TO THE APPROVAL OF AN AUTHORITY HAVING JURISDICTION SHALL BE PROVIDED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REQUIREMENTS.
- C. SECURE PERMITS AND INSPECTION CERTIFICATES AND TRANSMIT SAME TO THE OWNER AT THE COMPLETION OF THE WORK.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR FILING ALL DOCUMENTS WITH ALL CITY AND STATE AGENCIES. ALL INSPECTION SHALL BE DONE BY CONTRACTOR IN THE PRESENCE OF A REPRESENTATIVE.

8. COORDINATION

- A. ALL NEW DUCTWORK SHALL BE KEPT AS HIGH AS POSSIBLE TO MAINTAIN CLEAR HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS.
- B. MECHANICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- C. WHERE PIPING, LIGHTS AND DUCTWORK CONFLICT, DUCTWORK SHALL BE COORDINATED TO SITE CONDITIONS.
- D. CONNECT NEW WORK TO EXISTING AS SHOWN ON THE DRAWING.
- E. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL AIR OUTLETS THERMOSTATS AND SWITCHES WITH ARCHITECT'S REFLECTED CEILING PLANS.
- F. COORDINATE LOCATION OF MECHANICAL EQUIPMENT, PIPING AND DUCTWORK WITH THE WORK OF OTHER TRADES, PROVIDING CLEARANCES FOR INSULATION SERVICES, REMOVAL OF COMPONENTS AND EQUIPMENT DISASSEMBLY.
- G. COORDINATE PROVISION OF OPENINGS IN WALLS AND SLABS, POURING OF CONCRETE PADS, SETTING OF SLEEVES AND CURBS.
- H. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT.
- I. SEQUENCE PHASES OF MECHANICAL WORK WITH THE WORK OF OTHER TRADES.

9. NOISE CONTROL

- A. PROVIDE ACOUSTIC DUCT LINER FOR THE FOLLOWING DUCTS:
 - 1. ALL DUCTS UPSTREAM AND DOWNSTREAM FROM ALL FANS AND AIR CONDITIONING UNITS FOR A LENGTH OF NOT LESS THAN 15 FT.
 - 2. ALL AIR TRANSFER DUCTS.
 - 3. DOWNSTREAM AND UPSTREAM OF ALL VARIABLE AIR VOLUME AND CONSTANT VOLUME DUCTS FOR A MINIMUM OF 10 FT.
 - 4. ALL MIXED AIR FLENUMS, EXCEPT WHERE MOISTURE CARRYOVER FROM OUTDOOR AIR LOUVER WILL OCCUR.
 - 5. WHERE NOTED ON THE CONTRACT DRAWINGS.
- B. MATERIAL SHALL BE FIBERGLASS, MINIMUM 3 LB. DENSITY, 1 IN. THICKNESS, MAXIMUM 0.26 K FACTOR AT 75° F MEAN TEMPERATURE WITH NEOPRENE COATED FINISH AND STENCILED IN ACCORDANCE WITH NFPA 50 MAXIMUM FLAME SPREAD SHALL BE 25, AND MAXIMUM SMOKE DEVELOPED SHALL BE 50. IT SHALL BE SIMILAR TO JOHNS-MANVILLE EQUIPMENT OR AN APPROVED EQUIVALENT.
- C. ALL SOUND-LINING, ACCESSORIES, FACES AND ACCESSORIES TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, EXCEPT AS OTHERWISE NOTED.
- D. PROVIDE SOUND-ABSORBING MATERIALS TO BE APPLIED TO THE INSIDE SURFACES OF ALL STREAM AND DOWNSTREAM DUCTS FOR A MINIMUM OF 10 FT. OR 50 PERCENT OF THE DUCT LENGTH, WHICHEVER IS GREATER.
- E. RESILIENT ISOLATORS SHALL HAVE THE FOLLOWING MINIMUM STATIC DEFLECTIONS:
 - 1. 1 INCH FOR PIPING WITH OUTSIDE DIAMETERS 4 INCHES AND LARGER.
 - 2. 1/2 INCH FOR PIPING WITH OUTSIDE DIAMETERS SMALLER THAN 4 INCHES.
- F. EQUIPMENT SUCH AS HIGH EXCHANGERS, REFRIGERATION MACHINES, OR COMPRESSORS SHALL ALSO BE RESILIENTLY SUPPORTED, UNLESS THE EQUIPMENT IS SUPPORTED BY A GRADE OR FOUNDATION.
- G. ISOLATORS WILL HAVE 1 INCH STATIC DEFLECTION AND SHALL INCORPORATE APPROVED PADS WITH 1/2 INCH STATIC DEFLECTION.

10. VIBRATION ISOLATION SYSTEMS

- A. ALL ROTATING, REVOLVING OR RECIPROCATING EQUIPMENT SHALL BE FURNISHED WITH SEPARATE VIBRATION ISOLATORS TO PREVENT TRANSMISSION OF VIBRATION TO THE BUILDING STRUCTURES.
- B. ISOLATORS SHALL BE SELECTED ACCORDING TO THE VIBRATION CHARACTERISTICS OF THE EQUIPMENT, EXCESS SHALL BE PROVIDED BY SPRING TYPE ISOLATORS.
- C. VIBRATION ISOLATOR SHALL BE PROVIDED BY EITHER OF THE FOLLOWING MANUFACTURERS:
 - 1. MASON INDUSTRIES.
 - 2. SULLY MOUNTED AIR COIL.
- D. MOUNTING OF UNITS SHOULD BE AS FOLLOWS:
 - 1. ALL SUCH UNITS SHALL BE MOUNTED BY MEANS OF VIBRATION ISOLATOR HANDERS MADE OF A STEEL HOUSING OR RETAINER INCORPORATING A STEEL SPRING AND NEOPRENE MOUNTING.
 - 2. IF THE EQUIPMENT TO BE MOUNTED IS NOT FURNISHED WITH INTEGRAL STRUCTURAL FRAMES AND EXTERNAL MOUNTING LUGS (GOTH OF SUITABLE STRENGTH AND RIGIDITY), APPROVED STRUCTURAL SUB-BASE SHALL BE INSTALLED IN THE FIELD. INSTALLED STRUCTURAL SUB-BASE SHALL SUPPORT THE EQUIPMENT TO BE MOUNTED, INCLUDING ADDITIONAL LOAD DUE TO FLUIDS AND OTHER COMPONENTS WITHIN THE UNIT DURING OPERATION, WHICH SHALL BE SUPPORTED BY SPECIFIED HANGERS AND HANGER SECUREMENTS.
 - 3. ISOLATORS SHALL BE ONE OF THE FOLLOWING OR AS APPROVED:
 - a. FANS - TYPE HD - MLL AND SUPPLY/OUTSIDE AIR FANS.
 - b. AIR HANDLING UNITS - TYPE 30N MLL - MAXIMUM 1.75".
 - c. STATIC DEFLECTION AT INSTALLED OPERATING WEIGHTS.
 - d. DIAGONAL HANGER ROD ISOLATORS SHALL BE PROVIDED AS REQUIRE TO LIMIT MOTION TO 1/4 INCH MAXIMUM UNDER FAN OPERATING CONDITIONS.
- E. MOUNTING OF FLOOR MOUNTED AIR UNITS:
 - 1. FLOOR MOUNTED AIR UNITS SHALL BE MOUNTED ON 3/4"X6"X6" NEOPRENE PADS WITH SUITABLE TOP BEARING PLATE SIZE OF 0.86" STAG DEFLECTION.

11. LEAK TESTING OF REFRIGERANT SYSTEMS

- A. TESTING OF ALL FORCED AIR AND REFRIGERANT CONTAINING HVAC SYSTEMS WILL BE PERFORMED AS REQUIRED BY THE NEW YORK CITY BUILDING CODE (OR OTHER AUTHORITY HAVING JURISDICTION). TESTS WILL BE PERFORMED IN THE PRESENCE OF A BUILDING REPRESENTATIVE AND WITNESSED BY NYC SPECIAL INSPECTOR WHEN REQUIRED BY CHAPTER 17.
- B. WORK IN THIS SECTION INCLUDING THE PROVIDING OF LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE COMPLETE TESTING OF ALL HVAC SYSTEMS IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE, CONTRACT DOCUMENTS, PROVISIONS AND STANDARDS OF THE LATEST MANUALS AS PUBLISHED BY AMERICAN SOCIETY FOR TESTING & MATERIALS (ASTM), AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS (ASHRAE) THE SHEET METAL AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA) FOR THE FOLLOWING:
 - 1. FORCED AIR SYSTEMS INSTALLED IN PART OR COMPLETELY OUTSIDE OF THE BUILDING'S THERMAL ENVELOPE AND/OR WITHIN UNCONDITIONED SPACES.
 - 2. REFRIGERATION HVAC SYSTEMS INCLUDING BUT NOT LIMITED TO SPLIT AC UNITS, VARIABLE REFRIGERANT, HEAT PUMPS, ETC.
- C. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SERVICES, ALL TEST APPARATUS, ALL TEMPORARY SEALS, AND ALL QUALIFIED PERSONNEL SERVICES NECESSARY TO CONDUCT THE SPECIFIED TESTING.
- D. ALL MEASURING INSTRUMENTATION USED SHALL BE CALIBRATED, UNEXPIRED, AND MAINTAINED IN GOOD WORKING ORDER. ALL INSTRUMENTATION SHALL BE CALIBRATED BY AN ISO 17025 ACCREDITED AGENCY.
- E. ALL SYSTEMS REQUIRING TESTING SHALL BE TESTED AND DEMONSTRATED AS ACCEPTABLE BEFORE A NYC SPECIAL INSPECTOR. TESTING SHALL BE PERFORMED AND WITNESSED BEFORE ANY PORTION IS TO BE CONCEALED.
 - 1. ANY PORTION THAT IS NOT ABLE TO BE VISUALLY INSPECTED ON ALL SIDES DUE TO SHIRT WALLS, SHEETROCK CEILINGS, COATINGS, WRAPS OR OTHER FORMS OF CONSTRUCTION IS CONSIDERED TO BE CONCEALED.
- F. THE CONTRACTOR SHALL MAKE AND KEEP A RECORD OF, AND REPORT FOR, EACH TEST PERFORMED ON THESE SYSTEMS. THE REPORT WILL RECORD SUCH DETAILS AS SYSTEM TYPE TESTED, MATERIALS INSTALLED, TIMES THE TEST STARTED AND ENDED, PERSONS IN ATTENDANCE AND RESPECTIVE COMPANIES, IN ADDITION TO THE INITIAL AND FINAL RESULTS AS WELL AS PARAMETERS OF THE TEST(S).

REFRIGERATION SYSTEMS

- E. WORK AND TESTING IN THIS SECTION SHALL APPLY TO EVERY REFRIGERANT-CONTAINING PART OF EVERY SYSTEM THAT IS ERRECTED ON-SITE FOR HEATING, VENTILATION, AND AIR-CONDITIONING SYSTEMS, EXCEPT COMPRESSORS, CONDENSERS, VESSELS, EVAPORATORS, SAFETY DEVICES, PRESSURE GAUGES AND CONTROL MECHANISMS LISTED AND FACTORY TESTED.
- F. THE TEST APPARATUS SHALL BE A TEMPORARY CONNECTION MADE TO THE TESTED PIPING CONSISTING OF A PRESSURIZED TANK OF AN INERT DRY GAS, REGULATOR VALVE SET 15 PSI ABOVE TEST PRESSURE, CALIBRATED PRESSURE GAUGE (OR OTHER PRESSURE VALVES), ONE OR MORE ISOLATING VALVES BETWEEN THE GAUGE, APPARATUS AND THE SYSTEM, AND OTHER ACCESSORIES NECESSARY TO CONNECT THE APPARATUS TO THE TESTED SYSTEM.
- G. LEAK TESTING OF REFRIGERANT SYSTEMS SHALL BE PERFORMED WITH AN INERT DRY GAS SUCH AS NITROGEN, OR CARBON DIOXIDE, GASES SUCH AS OXYGEN, AIR, FLAMMABLES GASES OR MIXTURES CONTAINING SUCH GASES SHALL NOT BE USED.
- H. BOTH THE HIGH AND LOW SIDE OF EACH SYSTEM SHALL BE TESTED AT NOT LESS THAN THE LOWER OF THE DESIGN PRESSURES OR THE PRESSURE RELIEF DEVICES IF INSTALLED. THE DESIGN PRESSURES SHALL BE THOSE LISTED ON THE CONDENSING UNIT OR COMPRESSOR UNIT DATA PLATE.
- I. LEAK TESTING SHALL BE PERFORMED FOR NO LESS THAN:
 - 1. 4 HOURS - SYSTEMS WITH TOTAL CAPACITIES 10 TONS OR LESS.
 - 2. 24 HOURS - SYSTEMS WITH TOTAL CAPACITIES GREATER THAN 10 TONS.

LANDMARKS PRESERVATION COMMISSION ELECTRONIC APPROVAL - 01/05/2023 - JG

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY BUILDING AND CONSTRUCTION CODE. THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE LAWS.

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2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL WORK AND MATERIALS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING EQUIPMENT TO BE RETURNED BACK TO THE BUILDING OR TO THE CLIENT/OWNER FOR THE DIRECTIONS AND/OR SAFE KEEPING.

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02.08.2022 ISSUE FOR PAA

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PROJECT ADDRESS:

HEAT ME
53 WOODSTREET
NEW YORK, NEW YORK

MECHANICAL SPECIFICATIONS

DATE: 02/08/2022

PROJECT: 4284-G04

DESIGN: WH

SCALE: NONE

NYC DOB DISCAN

DOB NOW APPLICATION: #M00350247-P1

DRAWING NUMBER: M-601.00

SHEET: 12 OF 14

Filed in conjunction with PL GAS WORK M00350703

MECHANICAL SPECIFICATIONS

22. EQUIPMENT SCHEDULE

A. FURNISH AND INSTALL ALL ITEMS AS HEREIN SPECIFIED OR SHOWN ON DRAWINGS AND THOSE ITEMS OF LABOR OR MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATIONS.

29. SEQUENCE OF OPERATION

COMBINATION FURNACE/AC SYSTEM

A. THERMOSTAT SHALL START CONDENSER AND EVAPORATOR UNIT FOR THE FOLLOWING CONDITION.

1. WHEN THERMOSTAT MEASURES THE ROOM TEMPERATURE AS ABOVE THE SETPOINT THE COMPRESSOR SHALL START AND EVAPORATOR ENERGIZE. THEY SHALL REMAIN ON UNTIL THERMOSTAT'S TEMPERATURE SETTING IS SATISFIED. WHEN THERMOSTAT SETTING IS SATISFIED THE COMPRESSOR SHALL BE TURNED OFF. EVAPORATOR FAN SHALL KEEP RUNNING FOR A MINIMUM OF 5 MINUTES BEFORE TURNING OFF.

B. FURNACE SHALL FIRE FOR THE FOLLOWING CONDITION

1. WHEN THE THERMOSTAT MEASURES THE ROOM TEMPERATURE AS BELOW THE SETPOINT THE FURNACE SHALL ACTIVATE THE BURNER AND FAN. THE FURNACE SHALL REMAIN ON UNTIL THERMOSTAT'S TEMPERATURE SETTING IS SATISFIED. WHEN THERMOSTAT SETTING IS SATISFIED THE FURNACE SHALL STOP THE BURNER AND FAN.

C. THE FURNACE SHALL BE INTERLOCKED WITH THE EMERGENCY SHUTOFF LOCATED OUTSIDE THE BOILER ROOM. IF THE SWITCH IS PLACED IN THE OFF POSITION, POWER TO THE FURNACE SHALL BE TURNED OFF.

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2. THE CONTRACTOR SHALL CHECK AND VERIFY ALL WORK FOR ACCURACY AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF WORK.
3. THIS LAYOUT COMPLIES WITH THE 2010 E.C.C.C. NY LOCAL LAW 2009 AND 4 U.S.C. LAW 12071

Table with 2 columns: Description, Quantity. The table is mostly empty.

02.08.2022 ISSUE FOR P&A

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SHEET TITLE:
MECHANICAL SPECIFICATIONS

9/12/2022
PROJECT# 4264-G04
DRAWN BY WH
SCALE NONE
DOB NOW APPLICATION #M00350247-P1
DRAWING NUMBER M-603.00
SHEET 14 OF 14

Filed in conjunction with PL GAS WORK M00350703

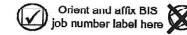
NYC DOB STAMPS & SIGNATURES



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AI1: Additional Information
Must be typewritten.



Page number 1 of 1

BIS Document No. P1

1 Location and Job Information Required for all applications.
House No(s) 53 Street Name WOODLIEF STREET (M00350247)
Borough MANHATTAN Block 475 Lot 17 BIN 1007068 CP No. 102

2 Revisions to Plans/Drawings Required whenever updating plans. All revisions for each page must be clearly described in section 3.
Submission is part of a Post Approval Amendment (PAA)? [X] Yes PW1 required [] No
Table with columns: Action, Original/New/Omit Page ID, Superseding Page ID, Action, Original/New/Omit Page ID, Superseding Page ID, Action, Original/New/Omit Page ID, Superseding Page ID, Action, Original/New/Omit Page ID, Superseding Page ID.
For "Action" use "N" for new page, "S" for superseding page, "O" for omitting page. is this section continued on additional AI1 forms? [] Yes [X] No

3 Additional Information Required for all applications.

THIS PAA FILED TO SUBMIT AI-1 WITH REVISED DRAWING SET ILLUSTRATING MINOR PLAN CHANGES TO MS SCOPE OF WORK PROPOSED UNDER M00350247_P1.

- M-001.01: Revised to update drawing list.
M-002.01: Revised to show direct replace hvac RTU location and sight line from street to roof.
M-003.01: Revised to add new color photos of proposed direct replace hvac RTU at roof.
M-004.00: No change Submitting sheet to retain integrity of complete set.
M-005.00: New sheet with mechanical compilation report.
M-101.01: Revised to update the roof plan to show direct replace RTU at roof to existing gas line.
M-202.00: New sheet showing the HVAC RTU model and spec information.
M-301.01: Revised to show updated riser, with direct replace gas fired HVAC RTU at roof
M-401.00: Revised to updated HVAC labels on diagrams.
M-402.00: No change Submitting sheet to retain integrity of complete set.
M-501.00: No change Submitting sheet to retain integrity of complete set.
M-601.00: No change Submitting sheet to retain integrity of complete set.
M-602.00: No change Submitting sheet to retain integrity of complete set.
M-603.00: No change Submitting sheet to retain integrity of complete set.

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Seal of the State of New York Professional Engineer
MATTHEW N. DECONZO
00000-2022
Signature Date
P.E. / R.A. Seal (apply seal, then sign and date over seal)