

NEW YORK STATE BUILDING DEPARTMENT NOTES

ALL WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF THE 2020 NEW YORK STATE ADOPTIONS OF THE INTERNATIONAL BUILDING, MECHANICAL, ENERGY CONSERVATION CONSTRUCTION CODE, ALL AMENDMENTS AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE.

- THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.
- TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 INTERNATIONAL ENERGY CONSERVATION CONSTRUCTION CODE WITH AMENDMENTS.

MECHANICAL NOTES

- GENERAL
 - PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
 - SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
- SCOPE OF WORK
 - ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW MECHANICAL (AS WELL AS ELECTRICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
 - ALL MATERIALS AND EQUIPMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS.
 - COORDINATE WITH OWNER TO DETERMINE WHETHER EQUIPMENT IS TO BE TURNED OVER FOR FUTURE USE AND STORED IN THEIR ASSOCIATED STORAGE LOCATIONS.

ABBREVIATIONS

ACUR	AIR CURTAIN (UNHEATED)
AD	ACCESS DOOR
AI	ANALOG INPUT (CONTROL POINT)
AFF	ABOVE FINISH FLOOR
AO	ANALOG OUTPUT (CONTROL POINT)
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROL
AV	ANALOG VALUE (CONTROL SOFTWARE POINT)
B	BOILER
BI	BINARY INPUT (CONTROL POINT)
BO	BINARY OUTPUT (CONTROL POINT)
BV	BINARY VALUE (CONTROL SOFTWARE POINT)
CFM	CUBIC FEET PER MINUTE
CD	CONDENSATE DRAIN
DD	DUCT DETECTOR
DDC	DIRECT DIGITAL CONTROLLER
DN	DOWN
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSDUCER
DSF	DESTRATIFICATION FAN
EC	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
F	FAN
FD	FIRE DAMPER
FSD	COMBINATION FIRE SMOKE DAMPER
FTR	FINNED TUBE RADIATOR (HOT WATER)
GC	GENERAL CONTRACTOR
GXF	GENERAL EXHAUST FAN
HWP	HOT WATER PUMP
HWMF	HOT WATER MANIFOLD (RADIANT FLOOR HEATING)
HWS&R	HOT WATER SUPPLY & RETURN
HWUH	HOT WATER UNIT HEATER
HV	HEATING & VENTILATING UNIT
LD	LEAK DETECTOR
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
N.C.	NORMALLY CLOSED (FAIL STATE)
N.O.	NORMALLY OPEN (FAIL STATE)
OED	OPEN ENDED DUCT
PC	PUMPED CONDENSATE
RAG	RETURN AIR GRILLE
RAD	RETURN AIR DUCT
RF	RADIANT FLOOR HEATING
RTAC	ROOFTOP AIR CONDITIONING UNIT
SAG	SUPPLY AIR GRILLE
SD	SMOKE DAMPER
SHV	SMOKE HEAT VENT
TF	TRANSFER FAN
TXF	TOILET EXHAUST FAN
V	VENT
VAV	VARIABLE AIR VOLUME (BOX, AHU OR AC UNIT)
VAV-HW	VARIABLE AIR VOLUME BOX WITH HOT WATER COIL
VD	VOLUME DAMPER (OPPOSED BLADE DAMPER)
VFD	VARIABLE FREQUENCY DRIVE

MECHANICAL LEGEND & SYMBOLS

	A(250) DIFFUSER TYPE AND CFM (CUBIC FEET PER MINUTE). REFER TO SCHEDULE.
	DOUBLE LINE DUCT
	VOLUME DAMPER
	FIRE DAMPER WITH DUCT ACCESS DOOR
	MOTORIZED DAMPER
	STRAINER WITH BLOW DOWN VALVE
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	GATE VALVE
	TWO-WAY CONTROL VALVE (ELECTRONIC)
	PRESSURE REDUCING VALVE
	COMBINATION BALANCING VALVE AND METER STATION
	CHECK VALVE
	BUTTERFLY VALVE
	BALL VALVE
	UNION
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	THERMOMETER WITH SHUTOFF VALVE
	PRESSURE GAUGE WITH SHUTOFF VALVE
	VACUUM BREAKER
	PIPE ANCHOR
	PIPE GUIDE

LINE REPRESENTATION

	EXISTING DUCTWORK/PIPING
	NEW DUCTWORK
	EXISTING MECHANICAL EQUIPMENT
	NEW MECHANICAL EQUIPMENT

DRAWING NOTATIONS

	KEYED NOTE
	SECTION DESIGNATION ON DRAWING WHERE SECTION IS CUT A-SECTION DESIGNATION B-DRAWING NO.
	POINT OF NEW CONNECTION TO EXISTING WORK
	POINT OF DEMOLITION
	REMOVE AND PATCH EXISTING WORK
	REVISION SYMBOL

MECHANICAL DRAWING LIST

M-001	MECHANICAL ABBREVIATIONS, LEGEND, NOTES & SYMBOLS	01
M-101	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 1	02
M-102	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 2	03
M-103	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 3	04
M-104	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 4	05
M-105	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 5	06
M-106	MECHANICAL L1 WAREHOUSE HEAT PLAN QUADRANT 6	07
M-107	MECHANICAL L1 WAREHOUSE BOILER ROOM PART PLAN	08
M-108	MECHANICAL L2 WAREHOUSE MEZZ 1 DUCT & HEAT PLAN	09
M-109	MECHANICAL L3 WAREHOUSE MEZZ 2 DUCT & HEAT PLAN	10
M-110	MECHANICAL L4 WAREHOUSE DUCT & HEAT PLAN NORTH	11
M-111	MECHANICAL L4 WAREHOUSE DUCT & HEAT PLAN SOUTH	12
M-112	MECHANICAL L5 WAREHOUSE ROOF DUCT PLAN NORTH	13
M-113	MECHANICAL L5 WAREHOUSE ROOF DUCT PLAN SOUTH	14
M-114	MECHANICAL L4 ADMIN OFFICE DUCT PLAN	15
M-115	MECHANICAL L4 ADMIN OFFICE HEAT PLAN	16
M-116	MECHANICAL L5 ADMIN OFFICE ROOF DUCT PLAN	17
M-301	MECHANICAL HOT WATER FLOW DIAGRAM SHEET #1	18
M-302	MECHANICAL HOT WATER FLOW DIAGRAM SHEET #2	19
M-303	MECHANICAL HOT WATER FLOW DIAGRAM SHEET #3	20
M-304	MECHANICAL HOT WATER FLOW DIAGRAM SHEET #4	21
M-305	MECHANICAL CONTROLS SHEET #1	22
M-306	MECHANICAL CONTROLS SHEET #2	23
M-307	MECHANICAL CONTROLS SHEET #3	24
M-308	MECHANICAL CONTROLS SHEET #4	25
M-501	MECHANICAL DETAILS SHEET #1	26
M-502	MECHANICAL DETAILS SHEET #2	27
M-503	MECHANICAL DETAILS SHEET #3	28
M-504	MECHANICAL DETAILS SHEET #4	29
M-601	MECHANICAL SCHEDULES SHEET #1	30
M-602	MECHANICAL SCHEDULES SHEET #2	31
M-603	MECHANICAL SCHEDULES SHEET #3	32
M-801	MECHANICAL SPECIFICATIONS SHEET #1	33
M-802	MECHANICAL SPECIFICATIONS SHEET #2	34
M-803	MECHANICAL SPECIFICATIONS SHEET #3	35
M-804	MECHANICAL SPECIFICATIONS SHEET #4	36
M-805	MECHANICAL SPECIFICATIONS SHEET #5	37

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER
GEI GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282
Consultants



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022

DRAWN BY :

CHECKED BY :

APPROVED BY :

DATE :

SCALE :

DRAWING TITLE :

MECHANICAL ABBREVIATIONS,
LEGEND, NOTES & SYMBOLS

DWG NUMBER :

M-001

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.