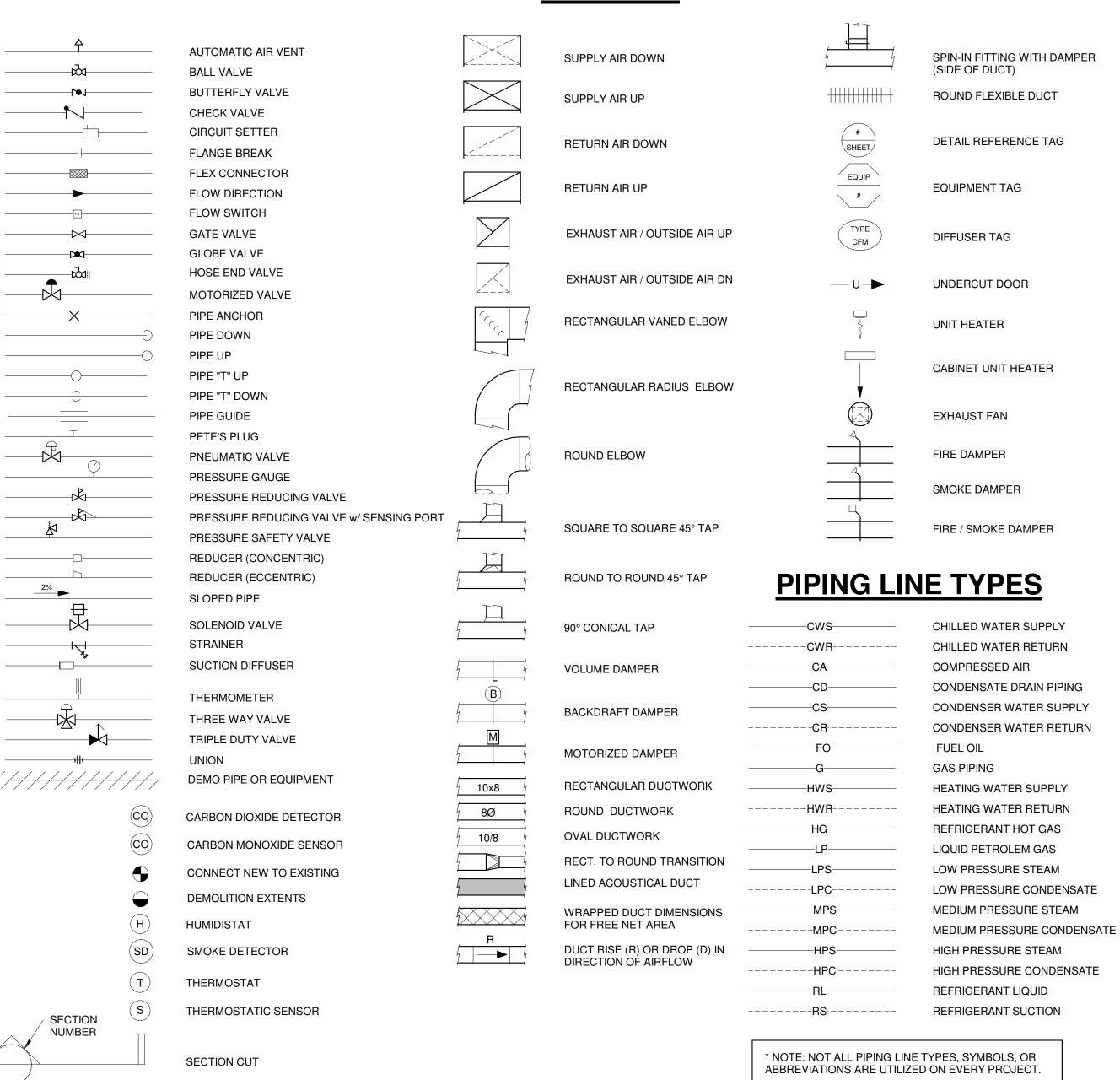
HVAC DRAWINGS FOR: BROOKFIELD SPECS - BLDG. 1 SUFFERN, NEW YORK

SYMBOLS



ABBREVIATIONS

	AUTOMATIC AIR VENT	H	HUMIDITY SENSOR
VC VCC	AIR CURTAIN AIR COOLED CONDENSER	HEV HP	HOSE END VALVE HORSEPOWER
\CH	AIR CHANGES PER HOUR		HIGH VOLUME LOW SPEED
\FF	ABOVE FINISHED FLOOR		
NHJ NHU	AUTHORITY HAVING JURISDICTION AIR HANDLING UNIT	HX HZ	HEAT EXCHANGER HERTZ
۸L	ALUMINUM	ID	INSIDE DIAMETER
MP	AMPERE	IH	INTAKE HOOD
NP NPD	ACCESS PANEL AIR PRESSURE DROP	IN W.C.	. INCHES OF WATER COLUMN INSTALLATION AND OPERATION MANUAL
	AIR ROTATION UNIT	KW	KILOWATT
NS_	AIR SEPERATOR		LOUVER
ATR AV	ALL THREAD ROD MANUAL AIR VENT	LAT LBS	LEAVING AIR TEMPERATURE, (°F) POUNDS
3	BOILER		LIQUID LINE SOLENOID VALVE
BAS	BUILDING AUTOMATION SYSTEM		LIQUID PETROLEUM GAS
3B 3D	BASEBOARD HEATER BYPASS DAMPER		LEAVING LEAVING WATER TEMPERATURE (°F)
BDD	BACK DRAFT DAMPER	MA	MIXED AIR (OA + RA)
BFF	BELOW FINISHED FLOOR	MAU	MAKE-UP AIR UNIT
BHP BMS	BRAKE HORSEPOWER BUILDING MANAGEMENT SYSTEM	MAX MBH	MAXIMUM 1,000 BTU PER HOUR
3OD	BOTTOM OF DUCT	MC	MECHANICAL WORK CONTRACTOR
BOE BOL	BOTTOM OF EQUIPMENT BOTTOM OF LOUVER	MCA MCC	MINIMUM CIRCUIT AMPERES MOTOR CONTROL CENTER
BOP	BOTTOM OF PIPE	MD	MOTORIZED DAMPER
3OS	BOTTOM OF STEEL	MIN	MINIMUM
BP BTUH	BYPASS BTU PER HOUR	MOCP MUW	MAXIMUM OVER CURRENT PROTECTION MAKE-UP WATER
BWE	BAKED WHITE ENAMEL	MVD	MANUAL VOLUME DAMPER
CAP.	CAPACITY	NC	NORMALLY CLOSED
CEF CFH	CEILING EXHAUST FAN CUBIC FEET PER HOUR	NEMA NIC	NATIONAL ELECTRICAL MANUFACTURERS ASSOC. NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CH	CHILLER	NO.	NUMBER
	CHILLED WATER PUMP CEILING	NPPW	NON POTABLE PROCESS WATER NOT TO SCALE
CONN.	CONNECTION	OA	OUTSIDE AIR
CRAC CRU	COMPUTER ROOM AIR CONDITIONING UNIT CONDENSATE RETURN UNIT	OD P	OUTSIDE DIAMETER PUMP
	COOLING TOWER	PC	PLUMBING WORK CONTRACTOR
CU	CONDENSING UNIT	PCF	POUNDS/CUBIC FOOT (DENSITY)
CUH CWP	CABINET UNIT HEATER CONDENSER WATER PUMP	PH POS.	PHASE (ELECTRICAL) POSITION
)B	DRY BULB, (°F)	PPH	POUNDS PER HOUR
DC	DIRECT DIGITAL CONTROL	PRV	PRESSURE REDUCING VALVE
DISC	DESICANT DEHUMIDIFICATION UNIT DISCONNECT	PSF PSI	POUNDS/SQUARE FOOT (PRESSURE) POUNDS/SQUARE INCH (ABSOLUTE PRESSURE)
N	DOWN	PSIG	POUNDS/SQUARE INCH (GAUGE PRESSURE)
OOAS OP	DEDICATED OUTSIDE AIR SUPPLY UNIT DEW POINT	PTAC QTY	PACKAGE TERMINAL AIR CONDITIONER QUANTITY
X	DIRECT EXPANSION	RA	RETURN AIR
A	EXHAUST AIR	RC	REFRIGERATION CONTRACTOR
	ENTERING AIR TEMPERATURE, (°F) (DB/WB) ELECTRIC BASEBOARD HEATER		RETURN FAN RELATIVE HUMIDITY
C	ELECTRICAL WORK CONTRACTOR	RLF	RELIEF AIR
F CM	EXHAUST FAN ELECTRONICALLY COMPUTATED MOTOR		RELIEF HOOD REVOLUTIONS PER MINUTE
MS	ENERGY MANAGEMENT SYSTEM	RTU	ROOF TOP UNIT (PACKAGED)
NT	ENTERING	SA	SUPPLY AIR
QPT RU	EQUIPMENT ENERGY RECOVERY UNIT	SC SD	SHADING COEFFICIENT SMOKE DAMPER
SP	EXTERNAL STATIC PRESSURE	SEF	SMOKE EXHAUST FAN
ET.	EXPANSION TANK	SEN	SENSIBLE COOLING CAPACITY, (BTU/ HR)
UH VAP	ELECTRIC UNIT HEATER EVAPORATOR (REFRIGERATION)	SF SFT	SUPPLY FAN SOFT WATER
WH	ELECTRIC WALL HEATER	SS	STAINLESS STEEL
WT XF	ENTERING WATER TEMPERATURE (°F) EXFILTRATION AIR	ST STD	STORAGE TANK STANDARD
XH	EXHAUST		STEEL
A	FIRE ALARM		TRANSFER AIR
D CU	FAN COIL UNIT FIRE DAMPER		TEST AND BALANCE CONTRACTOR TEMPERATURE CONTROL CONTRACTOR
F	FINISHED FLOOR		TRIPLE DUTY VALVE
	FINISH		TEMPORARY
ELA EPC	FULL LOAD AMPS FIRE PROTECTION CONTRACTOR		TOTAL NET CAPACITY, (BTU/HR) TOTAL STATIC PRESSURE
PM	FEET PER MINUTE	TXV	THERMAL EXPANSION VALVE
SD	FIRE / SMOKE DAMPER	TYP	TYPICAL UNIT HEATER
TU	FEET OF HEAD (PRESSURE DROP) FAN TERMINAL UNIT	UH UON	UNIT HEATER UNLESS OTHERWISE NOTED
V	FIELD VERIFY	UTR	UP THOUGH ROOF
AL C	GALLONS GENERAL WORK CONTRACTOR	V VAV	VOLT VARIABLE AIR VOLUME TERMINAL UNIT
ЭРМ	WATER FLOW, (GALLONS PER MINUTE)	VF	VENTILATION FAN
3PR	GAS PRESSURE REGULATOR	VFD	VARIABLE FREQUENCY DRIVE
AUH AWH	GAS UNIT HEATER GAS WATER HEATER	VSD VTA	VARIABLE SPEED DRIVE VENT TO ATMOSPHERE
		VTR	VENT TO ROOM
		W W/	WATT
		W/ WB	WITH WET BULB, (°F)
		WG	WATER GAUGÉ
		WP WPD	WEATHERPROOF WATER PRESSURE DROP
		-	.

RESSURE)

OUTDOOR DESIGN	LOCATION		ZONE	SUMMER 1% (F DB / F WB)		WINTER 99% (F DB)		SEISMIC			WIND
CONDITIONS			ZONE					DESIGN CAT	SITE CLASS		(MPH)
CONDITIONS	SUFFERN, NY		5A	89.5 /	73.4	12.8		-			-
ENVELOPE	AREA	LOWER WALL R-VALUE	UPPER WALL R-VALUE	RO R-VA	OF LUE	GLASS U-VALUE		GLASS SC	PARTITION U-VALUE		
CONDITIONS	WAREHOUSE	1.5	13	2	0	0.5		N/A	N/A		
	UTILITY ROOMS	1.5	13	2	0	N/A N/A		N/A			
	2020 BUILDING CODE OF NEW YORK STATE										
PPLICABLE CODES	2020 MECHANICAL CODE OF NEW YORK STATE										
APPLICABLE CODES	2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE										
	2020 FUEL GAS CODE OF NEW YORK STATE										
				LC	DAD ASSU	MPTIONS					
		COOLING	HEATING	PEOPLE		LIGHTING	MISC	OUTD		NR	
ROOM DESIGN PARAMETERS	SPACE TYPE	F / MAX RH	F / MIN RH	SQFT / PERSON	SENS. GAIN / PERSON (BTUH)	LATENT GAIN / PERSON (BTUH)	W / SQFT	W / SQFT	CFM / PERSON	CFM / SQFT	SUMMER VENTILATION RA
FARAMETERS	WAREHOUSE	N/A	50	N/A	N/A	N/A	N/A	N/A	N/A	0.06	0.5 ACH
	UTILITY ROOMS	N/A	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DTES:											

APPEARS ON

HVAC SHEET LIST							
SHEET NUMBER	SHEET NAME	CURRENT REVISION	CURRENT REVISI DESCRIPTION				
M000	COVER SHEET	02/09/2024	PERMIT SET				
M100	OVERALL FLOOR PLAN	02/09/2024	PERMIT SET				
M200	OVERALL ROOF PLAN	02/09/2024	PERMIT SET				
M300	ENLARGED FRAMING PLANS	02/09/2024	PERMIT SET				
M400	SCHEDULES	02/09/2024	PERMIT SET				
M500	DETAILS	02/09/2024	PERMIT SET				

- THESE DOCUMENTS ARE INTENDED TO PROVIDE ALL DRAWINGS, NOTATIONS, DETAILS, AND SCHEDULES NECESSARY FOR THE INSTALLATION OF A COMPLETE HVAC SYSTEM. THESE DOCUMENTS ARE PREPARED TO EXCLUDE ALL WORK NOT SPECIFICALLY INCLUDED IN THE SET.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM TO MEET THE INTENT OF THE DESIGN AND AS INDICATED IN THE DESIGN DOCUMENTS. ANY ACCESSORIES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND INTEGRAL IN ITS OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN
- UNDERSTANDS THAT THE CONTRACT DOCUMENTS ARE A TWO-DIMENSIONAL REPRESENTATION OF A THREE-DIMENSIONAL OBJECT, SUBJECT TO HUMAN INTERPRETATION, THIS REPRESENTATION MAY INCLUDE IMPERFECT DATA, INTERPRETED CODES, UTILITY GUIDELINES, THREE-DIMENSIONAL CONFLICTS, AND REQUIRED FIELD COORDINATION ITEMS. SUCH DEFICIENCIES CAN BE CORRECTED WHEN IDENTIFIED PRIOR TO ORDERING MATERIAL AND STARTING INSTALLATION. THIS CONTRACTOR AGREES TO CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACTOR FURTHER AGREES TO REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND REPORT AT ONCE ANY
- ALL MATERIAL AND EQUIPMENT USED SHALL BE NEW AND FREE FROM DEFECTS
- PROVIDE MECHANICAL SYSTEMS IDENTIFICATION TO INDICATE THE TAG, TYPE, FLOW, TEMPERATURE RANGE, CAPACITY, ETC. OF EACH ITEM OF EQUIPMENT AND ALL CONVEYANCES (DUCTWORK AND PIPING SYSTEMS). ALL MAJOR EQUIPMENT SHALL BE PROVIDED WITH LAMINATED PLASTIC NAME PLATES IDENTIFYING THE EQUIPMENT WITH NOMENCLATURE CORRESPONDING TO THE MARKINGS ON THE DRAWINGS. LETTERING SHALL BE 1/2" HIGH. PROVIDE ADHESIVE BACKED PLASTICIZED MARKERS FOR DUCTWORK. PIPING IDENTIFICATION TO FOLLOW ASME 13 STANDARDS. LOCATE LABELING TO BE ABLE TO EASILY IDENTIFY PIPING SERVICE. PROVIDED ENGRAVED BRASS OR LAMINATED PLASTIC VALVE TAGS WITH STAINLESS STEEL BALL CHAIN FASTENER. PROVIDE VALVE TAG SCHEDULE WITH CLOSEOUT DOCUMENTS.
- THIS CONTRACTOR SHALL PERFORM WORK IN A SAFE MANNER. COMPLY WITH ALL APPLICABLE OSHA SAFETY GUIDELINES IN ACCORDANCE WITH 29 CFR 1926 OSHA CONSTRUCTION INDUSTRY REGULATIONS DURING THE COURSE OF COMPLETING THE WORK DESCRIBED IN THESE
- THIS CONTRACTOR SHALL KEEP AND MAINTAIN ON SITE A COPY OF ALL SAFETY DATA SHEETS FOR ALL PRODUCTS AND MATERIALS ON SITE WHICH COMPLY WITH THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS. THIS INCLUDES:
- MAINTAINING A HAZARD COMMUNICATION PROGRAM DETAILING THE PLANS IN PLACE FOR THE SAFE HANDLING OF CHEMICALS
- MAINTAINING A WRITTEN CHEMICAL INVENTORY OF EVERY HAZARD CHEMICAL IN THE FACILITY TO WHICH EMPLOYEES ARE EXPOSED
- MAINTAINING PROPER LABELS AND WARNING SIGNS ASSOCIATED WITH SAID CHEMICALS
- TRAINING EMPLOYEES ON CHEMICAL HAZARDS AND NECESSARY PRECAUTIONS NO CHEMICALS MAY BE STORED IN ANY CONTAINERS OTHER THAN THE ORIGINAL MANUFACTURER'S CONTAINERS.
- INSTALL ALL ITEMS PER THE MANUFACTURER'S INSTRUCTIONS AND PROVIDE PROPER ELECTRICAL AND MAINTENANCE CLEARANCES.

1.1 COORDINATION COORDINATE THE ROUTING OF ALL MECHANICAL SYSTEMS WITH THE OTHER TRADES TO AVOID CONFLICTS WITH DUCTS, PIPES, ETC. ITEMS

- REQUIRING PITCH MUST BE CONSIDERED FOR THEIR RIGHT-OF-WAY.
- GENERAL CONTRACTOR (G.C.) SHALL PROVIDE AND INSTALL ALL PRIMARY STRUCTURAL SUPPORT, UNIFORM LEVEL, FOR ALL FLOOR, CEILING, OR ROOF MOUNTED EQUIPMENT OR COMPONENTS AS DESIGNED BY ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE JURISDICTION OF AUTHORITY.
- THIS CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE RELAYED TO NDBS FOR COMMENT AND CORRECTIVE ACTION AS NEEDED.
- ALL LINTELS, FRAMING, FURRING, PATCHING, AND PAINTING REQUIRED WILL BE PROVIDED BY THE G.C
- ALL GAS PIPING EXPOSED TO WEATHER SHALL BE PAINTED BY THE G.C.
- THE G.C. SHALL PROVIDE ALL PADS AS REQUIRED FOR THE INSTALLATION OF THE HVAC EQUIPMENT, PADS SHALL BE PROVIDED IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S DESIGN FOR SITE CONDITIONS, WEIGHT, SEISMIC AND WIND CONSIDERATIONS. HEIGHT OF THE PAD SHALL (FOR GRAVITY DRAIN EQUIPMENT) SHALL BE FIELD ADJUSTED BY G.C. BASED ON APPROVED EQUIPMENT SUBMITTALS.
- E.C. SHALL MOUNT AND WIRE/CONNECT ALL 460 VOLT AND 120 VOLT COMPONENTS (RELAYS, FAN WIRING, HIGH LIMITS, SOLENOIDS, CONTROLLERS, ETC...) AND OTHER ELECTRICAL COMPONENTS FURNISHED BY THIS CONTRACTOR. THIS CONTRACTOR IS RESPONSIBLE FOR ALL
- EQUIPMENT IS NOT INTENDED FOR TEMPORARY CONDITIONING UNLESS COORDINATED WITH NDBS AHEAD OF TIME. SHOULD NDBS APPROVE OF TEMPORARY USE, RETURN AIR OPENINGS SHALL BE PROTECTED WITH FILTER MEDIA (MINIMUM MERV 8) WHILE EQUIPMENT IS OPERATED DURING CONSTRUCTION.

1.2 CONSTRUCTION

- ALL EQUIPMENT. PIPING SUPPORTS, AND DUCTWORK SUPPORTS SUSPENDED FROM ROOF JOISTS SHALL BE SUSPENDED FROM THE TOP CHORD OF THE JOIST UNLESS PRIOR APPROVAL FROM G.C. OR STRUCTURAL ENGINEER.
- PROVIDE DUCT. PIPING AND HANGER PENETRATIONS THROUGH NON-RATED ENCLOSURES WITH DRAFT STOPPING OR SMOKE BARRIER SEALANT SYSTEMS. INSTALL PENETRATION SEALANT SYSTEMS IN STRICT ACCORDANCE TO MANUFACTURER'S APPLICATION DETAILS AND INSTRUCTIONS. PROVIDE DRAFT STOPPING OR SMOKE BARRIER SEALANTS TO MEET APPROVAL OF AHJ.
- LOCATE AND PROVIDE SCHEDULE 40 STEEL SLEEVES AT ALL CONCRETE PENETARTIONS THROUGH WALLS AND FLOORS PRIOR TO CONCRETE BEING POURED. THIS SUBCONTRACTOR WILL BE RESPONSIBLE TO CORE DRILL ANY HOLE THAT IS NOT LOCATED PRIOR TO CONCRETE POURING, IN WHICH CASE A SLEEVE IS NOT REQUIRED. CORE DRILL HOLE OR SLEEVE SHALL PROVIDE MINIMUM 1" CLEARANCE AROUND ENTIRE CIRCUMFERENCE OF PIPE. CAULK ANNULAR SPACE WATERTIGHT. PROVIDE A LINK SEAL THROUGH ALL PENETRATIONS LOCATED BELOW GRADE.
- PROTECT ALL EQUIPMENT, PIPING AND DUCTWORK OPENINGS DURING CONSTRUCTION WITH PLASTIC OR OTHER NON-POROUS MATERIAL TO LIMIT CONTAMINATION FROM DUST AND OTHER CONSTRUCTION DEBRIS. MATERIAL AND EQUIPMENT SHALL BE ELEVATED OFF FLOOR AND

1.3 ACTION SUBMITTALS

PRODUCT DATA:

- FOR ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR (1) SHOP DRAWINGS INCLUDING AT A MINIMUM: CAPACITIES, DIMENSIONS, WEIGHTS, ELECTRICAL REQUIREMENTS, FAN AND PUMP
- METAL DUCTS LINERS AND ADHESIVES

PROTECTED WHEN STORED ON SITE.

- SEALANTS AND GASKETS
- PIPING SPECIALTIES VALVES
- PRESSURE REGULATORS (4) PIPING SPECIALTIES ITEMS\

1.4 INFORMATIONAL SUBMITTALS

- BRAZING AND WELDING CERTIFICATES
- FIELD QUALITY-CONTROL REPORTS

SECTION 2 - FIELD QUALITY CONTROL

- REFER TO PIPE SCHEDULE FOR PIPE TESTING REQUIREMENTS.
- EQUIPMENT THAT IS NOT INTENDED TO BE SUBJECT TO THE TEST PRESSURE SHALL BE ISOLATED FROM THE PIPING. IF A VALVE IS USED TO ISOLATE THE EQUIPMENT, ITS CLOSURE SHALL BE CAPABLE OF SEALING AGAINST THE TEST PRESSURE WITHOUT DAMAGE TO THE VALVE. FLANGED JOINTS AT WHICH BLINDS ARE INSERTED TO ISOLATE EQUIPMENT NEED NOT BE TESTED.
- PIPE PRESSURE TEST REPORTS ARE REQUIRED AS PART OF THE PROJECT CLOSE OUT DOCUMENTS AND ARE TO INCLUDE WITNESS SIGNATURES. A WRITTEN FIELD PRESSURE TEST DECLARATION SHALL BE PREPARED DOCUMENTING THE FIELD TEST PROCEDURE AS REQUIRED BY APPLICABLE CODE AND PROVIDE TO NDBS AND THE BUILDING INSPECTOR PRIOR TO FINAL APPROVAL.
- DURING PRESSURE TESTING, VERIFY THAT STRESS DUE TO PRESSURE AT BOTTOM OF VERTICAL RISERS DOES NOT EXCEED 90% OF SPECIFIED MINIMUM YIELD STRENGTH OR 1.7 TIMES "SE" VALUE AS LISTED IN ASME B31.9.

SECTION 3 – EQUIPMENT TESTING AND START-UP

- PRIOR TO START-UP PROCEDURES, SUBMITTAL DOCUMENTATION SHALL BE VERIFIED FOR COMPLETENESS AND CORRECTNESS AS IT APPLIES TO ALL INSTALLED EQUIPMENT BASED ON THE CURRENT CONTRACT DOCUMENTS.
- B. SUBMITTALS SHALL BE COMPARED TO ALL INSTALLED EQUIPMENT AND VERIFICATION MADE THAT EACH DOCUMENT MATCHES THE FINAL INSTALLATION. THE FOLLOWING ITEMS SHALL BE SPECIFICALLY VERIFIED:
 - 1. TAGGING OF EQUIPMENT AND MODEL NUMBER IS CONSISTENT WITH DOCUMENTS, SUBMITTALS AND NAMEPLATE DATA.
 - PHYSICAL DIMENSIONS COINCIDE WITH INSTALLATION INCLUDING SERVICE CLEARANCES.
 - SHIPPED LOOSE ACCESSORIES ARE PROPERLY INSTALLED.
 - THIS CONTRACTOR SHALL FILL OUT ALL MANUFACTURER START-UP SHEETS AS A CLOSE OUT DOCUMENT

THE PERSONAL SEAL AFFIXED TO THIS SHEET INDICATES THAT THE PROFESSIONAL ENGINEER WHOSE
NAME APPEARS THEREON HAS PREPARED OR HAS THIS SHEET. OTHER DRAWINGS, SPECIFICATIONS, REPORTS, DOCUMENTS OR INSTRUCTIONS, NOT EXHIBITING THIS SEAL, RELATING TO OR INTENDED TO BE USED FOR ANY PARTS OR PART OF THE PROJECT IN WHICH THIS SHEET REFERS, SHALL NOT BE CONSIDERED PREPARED BY OF THE RESPONSIBILITY OF THE UNDERSIGNED AND IS HEREBY DISCLAIMED IN ACCORDANCE WITH SECTION 327.411 2 R.S. MO.

DESIGN/BUILD

44 SOUTH BROADWAY, SUITE 1003

P: 914.821.5535 F: 914.306.6010

WHITE PLAINS, NY 10601

PROJECT TITLE **ROCKLAND** LOGISTICS **CENTER BLDG 1**

25 OLD MILL RD. SUFFERN, NY 10901

BROOKFIELD PROPERTIES 1 MEADOWLANDS PLAZA, SUITE 802 EAST RUTHERFORD,NJ 07073

ADB / DESIGN SERVICES LLC 44 SOUTH BROADWAY, SUITE 1003 WHITE PLAINS, NY 10601

CIVIL ENGINEER DYNAMIC ENGINEERING CONSULTANTS 1904 MAIN STREET

STRUCTURAL ENGINEER ADB STRUCTURAL ENGINEERING 325 S. ALABAMA ST , SUITE 200 INDIANAPOLIS, IN 46204

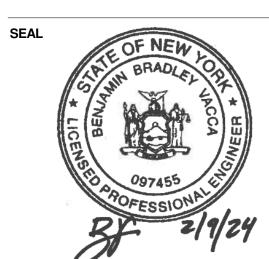
LAKE COMO, NJ 07719

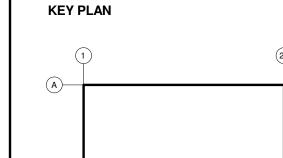
MECHANICAL ENGINEER NATIONAL DESIGN BUILD SERVICES 11840 BORMAN DRIVE MARYLAND HEIGHTS. MO 63146

ELECTRICAL ENGINEER FXB ENGINEERING 5 CHRISTY DRIVE, SUITE 307 CHADDS FORD, PA 19317

PLUMBING ENGINEER MCCARTHY ENGINEERING 2500 E HIGH STREET, SUITE 630 POTTSTOWN, PA 19464

> **FIRE PROTECTION ENGINEER** S.A. COMUNALE 2900 NEWPARK DRIVE BARBERTON, OH 44203







SUBMITTALS

01/12/2024 70% PROGRESS SET 02/02/2024 85% PROGRESS SET

PROJECT NO. **DRAWN BY**

SHEET TITLE

COVER SHEET

NOT FOR CONSTRUCTION