HVAC DEMOLITION NOTES:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 2. REMOVE ALL EQUIPMENT, DUCTWORK AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL SUPPORTS AND HANGERS, HOUSEKEEPING PADS, DAMPERS, VALVES, FITTINGS, CONTROLS AND ASSOCIATED LOW VOLTAGE WIRING. AND ANY OTHER ASSOCIATED ACCESSORIES WHICH PERTAIN TO THE EQUIPMENT TO BE REMOVED.
- 3. REMOVAL OF ALL POWER CONNECTIONS TO DEMOLITION ITEMS SHALL BE BY THE E.C.
- 4. ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- 5. DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 6. ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- 7. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 8. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 9. THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

GENERAL NOTES:

- 1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- 2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- 3. ACCESS PANELS SHALL BE PROVIDED IN CEILINGS, WALLS, FLOORS, ETC., AS REQUIRED TO MAINTAIN ACCESSIBILITY TO VALVES, DAMPERS, TRAPS, COILS, ETC.
- 4. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS, FIRE DAMPERS, AND SMOKE DAMPERS.
- 5. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- 6. ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
- 7. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- 8. ALL BRANCHES AND TAKE-OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE-OFF AS PRACTICAL.
- 9. FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
- 10. ALL SUPPLY & RETURN AIR DUCTWORK SHALL BE INSULATED.
- 11. PROVIDE SHUT-OFF VALVES AT ALL PIPING BRANCH TAKE-OFFS AND AT ALL CONNECTIONS TO EQUIPMENT.
- 12. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS
- 13. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- 14. ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 15. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THE HVAC CONTRACTOR.
- 16. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- 17. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 18. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- 19. IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE HVAC SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
- 20. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
- 21. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

- GAS PIPING NOTES:
- GAS PRESSURE WITHIN BUILDING SHALL NOT EXCEED 1/2 PSIG. 1. PRIOR TO CONNECTION TO GAS SERVICE. ALL INDOOR ABOVE GROUND GAS PIPING (NOT COATED OR WRAPPED) SHALL BE TESTED WITH AIR PRESSURE AT 15 PSIG FOR A PERIOD OF 1 HOUR WITH NO LOSS IN PRESSURE. ALL COATED OR WRAPPED GAS PIPING SHALL BE TESTED W/AIR PRESSURE AT 100 PSIG FOR A MINIMUM OF 1 HOUR WITH NO LOSS IN PRESSURE.
- 2. COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & G.C.
- 3. ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.
- 4. GAS PIPING UNDER SLABS, AND CROSSING CORRIDORS SHALL HAVE GAS TIGHT VENTED SLEEVES. (VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS).
- 5. RELIEF VALVES AND NORMALLY OPEN VENT VALVES SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.
- PRESSURE REGULATING & OVER PRESSURE PROTECTION DEVICES LOCATED OUTSIDE SHALL BE ENCLOSED IN A CABINET OR BE FENCED IN AN OUTSIDE AREA OF DURABLE STRUCTURAL MATERIALS WHICH WILL WITHSTAND ANY LOADS TO WHICH THEY MAY BE SUBJECTED.
- 7. ALL GAS PIPING 3" & LARGER SHALL HAVE WELDED FITTINGS & CONNECTIONS. ALL GAS PIPING 21/2" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS WITH THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.
- CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR THE INSTALLATION OF THE NEW NATURAL GAS SERVICE TO BLDG. WITH LOCAL UTILITIES APPROXIMATELY THREE (3) WEEKS PRIOR TO START OF WORK. ALL GAS PIPING FROM MAIN UNDER STREET UP TO AND INCLUDING METER AT BLDG. SHALL BE BY UTILITY COMPANY. ALL TRENCHING, BEDDING & BACKFILL SHALL BE BY PLUMBING CONTRACTOR AS PER UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GAS PIPING FROM CONNECTION OF METER OUTLET TO THROUGHOUT BLDG. AS PER PLANS, SPECIFICATIONS, NYS FUEL GAS CODE, NFPA-54, LOCAL CODES, AS WELL AS UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL COORDINATE SCHEDULING REQUIREMENTS WITH SITE CONTRACTOR AS WELL. PLUMBING CONTRACTOR SHALL APPLY & OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- 9. ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEEVED WITH SCH. 80 PVC.
- 10. COORDINATE INSTALLATION OF GAS PIPING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

DOAS CONTROL NOTES

- 1. THE DOAS SHALL BE ACTIVATED WHEN THE ROOM TEMPERATURE FALLS OUTSIDE OF THE ADJUSTABLE SET POINT RANGE.
- 2. THE DOAS SHALL OPERATE AT 100% RETURN AIR UNTIL DETECTION OF ROOM OCCUPANCY VIA A RELAY FROM THE ROOM OCCUPANCY SENSOR. THE EC SHALL PROVIDE THE OCCUPANCY SENSOR AND THIS CONTRACTOR SHALL WIRE FROM THE SENSOR TO THE DOAS.
- 3. UPON ACTIVATION, THE DOAS SHALL RUN AT ITS MINIMUM AIRFLOW RATE UNTIL THE TEMPERATURE SET POINT IS REACHED.
- 4. THE DOAS SUPPLY FAN SHALL BE VFD DRIVEN.
- 5. THE DOAS SHALL BE FED SIGNALS OF THE SPACE PRESSURE. AMBIENT PRESSURE, AND SPACE TEMPERATURE
- 6. ONCE OCCUPANCY IS DETECTED, THE UNIT SHALL ACTIVATE KEF'S K1A, K2A & K5A AND SWITCH TO 100% OUTDOOR AIR OPERATION.
- WHILE THE DOAS IS OPERATING AT ITS MINIMUM AIRFLOW RATE, IF THE SPACE PRESSURE SENSOR INDICATES THE SPACE IS NEGATIVELY PRESSURIZED, THE DOAS SHALL PROPORTIONALLY INCREASE ITS AIRFLOW UP TO ITS MAXIMUM FLOW UNTIL NEUTRAL PRESSURE IS DETECTED, THEN MAINTAIN THIS AIRFLOW. THERE SHALL BE AN ADJUSTABLE PRESSURE DEADBAND.

8. WHILE THE DOAS IS OPERATING ABOVE ITS MINIMUM AIRFLOW RATE, IF THE SPACE PRESSURE SENSOR INDICATES THE SPACE IS POSITIVELY PRESSURIZED, THE DOAS SHALL PROPORTIONALLY DECREASE ITS AIRFLOW DOWN TO ITS MINIMUM AIRFLOW THEN MAINTAIN THIS AIRFLOW. THERE SHALL BE AN ADJUSTABLE PRESSURE DEADBAND.

INSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FLEXIBLE BLANKET, 1.0 LB/CF R=8.0 (INSTALLED @ 25% COMPRESSION)			
SERVICE	FACING	INSTALLED THICKNESS (IN.)		
SUPPLY/RETURN AIR	FSK	2"		
OUTDOOR AIR	FSK	2"		
EXHAUST AIR	_	NONE		
OUTSIDE BUILDING THERMAL ENVELOPE	FIBERGLASS FLEXIBLE BLANKET, 1.0 LB/CF R=12.0			
SERVICE	FACING	THICKNESS REQUIRED TO EXCEED ASHRAE 90.1 REQUIREMENTS		
SUPPLY/RETURN AIR	ASJ	4"		

NOTES:

- 1. ALL EDGES SHALL BE CLEAN CUT.
- ABOVE.

					
DU	CTWORK SYMBOLS	VALVE SYMBOLS			
AxB	DUCTWORK DOUBLE LINE REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.	C OR		<⊠[GATE VALVE – THREADED/FLANGED GATE VALVE WITH 3/4" HOSE ADAPTER
AxB	DUCTWORK SINGLE LINE				GLOBE VALVE – THREADED/FLANGED
	REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.			-1∽₄──	CHECK VALVE
	SUPPLY AIR DUCT UP	🖂 OR	🗟 or 🗕	'\\'	STRAINER
	SUPPLY AIR DUCT DOWN		_	York	WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
			_	- Ar	QUICK-COUPLE HOSE CONNECTOR
	RETURN AIR DUCT UP		HHHH OR -	- II	FLEXIBLE CONNECTION
		Ī		Å₽	ANGLE GLOBE VALVE
	RETURN AIR DUCT DOWN		[] OR —	-Lø1	BUTTERFLY VALVE
- М	EXHAUST AIR DUCT UP	🖙 OR	ю́б ор —	-ф—	BALL VALVE
			_	Б —	CONTROL VALVE (CV) – FLOAT–OPERATED
-	EXHAUST AIR DUCT DOWN	C OR		₩—	MODULATING CONTROL VALVE
~~~~	FLEXIBLE DUCTWORK			-17-	MODULATING CONTROL BUTTERFLY VALVE
	SUPPLY AIR FLOW		Į —	₩—	TWO POSITION CONTROL VALVE
	RETURN/EXHAUST AIR FLOW	⊫≊⊐ OR		<b>∲</b>	THREE-WAY MODULATING CONTROL VALVE
┝╌┨╌┥	VOLUME DAMPER			<b>译</b> —	THREE-WAY TWO POSITION CONTROL VALVE
┵╀╌	MOTORIZED DAMPER w/ ACCESS DOOR	O OR	U OR —	<b>&amp;</b>	PRESSURE REGULATING VALVE
<u>با</u> ب	FIRE DAMPER W/ ACCESS DOOR	⊚ OR	or —	-dī	PRESSURE REDUCING VALVE (PRV)
$\boxtimes$	SUPPLY AIR TERMINAL	©⊐ OR	DR	<b>∛</b>	TEMPERATURE & PRESSURE RELIEF VALVE
	RETURN AIR TERMINAL			₽	SAFETY OR PRESSURE RELIEF VALVE
$\square$	EXHAUST AIR TERMINAL	Ci≖∞ OR	OR —	-124	AUTOMATIC BALANCING CONTROL VALVE
 D	DROP DUCT		_	-1221	WATER BALANCE DEVICE
—R—	RISE DUCT	Π <u>α</u> ΩΠ		_≍	WATER FLOW MEASURING DEVICE
		I I □ OR	ਁ   OR —		CIRCUIT SETTER VALVE
			_		GATE VALVE WITH GLOBE-VALVED BYPASS

OR MOR

I OR

e

тӨ—

(T)

TS

Ø

SF

(M)

<b>&gt;</b>	DIRECTION OF FLOW
——————————————————————————————————————	ANCHOR
	PIPE GUIDE
D	REDUCER OR INCREASER

PIPING SYMBOLS

N	ECCENTRIC REDUCER
d	TOP CONNECTION, 45° OR 90°
<u></u>	BOTTOM CONNECTION, 45° OR 90°
, <del> </del> ,	SIDE CONNECTION
Ţ	CAPPED OUTLET
Ð	PIPE DOWN TURN
———————————————————————————————————————	PIPE RISE
	UNION
	DIRECTION OF PIPE PITCH (DOWN)

## DUCT INSULATION SCHEDULE "JOHNS MANVILLE" AS STANDARD OR APPROVED EQUAL

2. ALL SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ARMAFLEX 520 ADHESIVE. HORIZONTAL JOINTS SHALL BE AT BOTTOM OF DUCTS & PIPES. 3. ALL EXPOSED ENDS CUTS SHALL BE COATED WITH ARMAFLEX 520 ADHESIVE. 4. FOR ALL OUTDOOR EXPOSED DUCTWORK, THE HORIZONTAL SURFACE SHALL BE SLOPED TO PREVENT POOLING ON THE SURFACE OF COATED INSULATION (2' MIN.). 5. ARMACELL ARMATUFF OR APPROVED EQUAL MAY BE USED IN LIEU OF THE EXTERIOR DUCT INSULATION/WEATHER RESISTANT SYSTEM DESCRIBED IN THE SCHEDULE

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK POINT OF DISCONNECT - INDICATES SECTION LETTER INDICATES DRAWING NUMBER WHERE LOCATED - INDICATES TYPE OF AIR OUTLET - INDICATES AIR FLOW REQUIREMENTS ADJUSTABLE ANGLE THERMOMETER DIAL THERMOMETER ₽⊘+₩-PRESSURE GAUGE WITH NEEDLE VALVE WALL MOUNT THERMOSTAT 'A' DESIGNATES COMPONENT SERVED TEMPERATURE SENSOR PUMP DUCT SMOKE DETECTOR FAN SWITCH WITH PILOT LIGHT

TRIPLE DUTY VALVE

FLOW METER

PLUG VALVE

SHUT-OFF VALVE

MANUAL AIR VENT

LUBRICATED PLUG VALVE

GENERAL SYMBOLS

WATER LEVEL CONTROLLER

COMBINATION BALANCING AND

TEST PLUG (PRESSURE/TEMPERATURE)

DOOR UNDERCUT (BY G.C.) LOUVERED DOOR (BY G.C.)

## **ENERGY CODE STATEMENT:**

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE OF NEW YORK STATE. UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE OF NEW YORK STATE.

AC	AIR CONDITIONING UNIT	GPM			
ACT	ACOUSTIC CEILING TILE	H.C.			
ACCU	AIR COOLED CONDENSING UNIT				
AD	AFTER FILTER	HRP			
AFF	ABOVE FINISHED FLOOR	HV			
AFM	AIR FLOW MEASURING DEVICE	IV			
AHU	AIR HANDLING UNIT	LCD			
A.L.D.	AUTOMATIC LOUVER DAMPER (PNEUMATIC)	LFD			
AP	ACCESS PANEL	LF			
BDD	BACK DRAFT DAMPER BOTTOM CRILLE (WALL TYPE)				
BR	BOTTOM REGISTER (WALL TYPE)	IPS			
BTUH	BRITISH THERMAL UNITS/HOUR	LBS/HR			
CC	COOLING COIL	MA			
CD	CEILING DIFFUSER	MB			
CFM	CUBIC FEET PER MINUTE	MD			
CG					
	CLEAN OUT	MRH			
CP	CONDENSATE PUMP	MIN.			
CR	CEILING REGISTER	NOM.			
CUH	CABINET UNIT HEATER	OA			
CW	COLD WATER	P			
D		P.C.			
DD dB	DRT BULB IEMPERATURE, F	PD PF			
	DOWN	PGW			
DP	DIFFERENTIAL PRESSURE	PH			
Dp	DEW POINT TEMPERATURE, 'F	PRV			
DS	DUCT SMOKE DETECTOR	PSI			
DX	DIRECT EXPANSION	RA			
EA EAT	EXHAUST AIR				
EAI	ENTERING AIR TEMP				
ECC	ENGINEERING CONTROL CENTER	RPZ			
EER	ENERGY EFFICIENCY RATIO	SA			
EF	EXHAUST FAN	SD			
EGW	ETHYLENE GLYCOL-WATER SOLUTION	Sp. Gr.			
EMD	END OF MAIN DRIP (STEAM)	SH			
	ENERGI RECOVERT COL ELECTRIC RADIANT CELLING PANEL				
ET	EXPANSION TANK	SPS			
EUH	ELECTRIC UNIT HEATER	S.S.			
EXIST	EXISTING	TG			
F.A.I.	FRESH AIR INTAKE	TR			
FC	FLEXIBLE CONNECTION				
FCO	FIRE DAMPER				
FLR	FLOOR	UV			
F.O.R.	FUEL OIL RETURN	V			
F.O.S.	FUEL OIL SUPPLY	VD			
FPC		VE			
F/SD FTP	COMBINATION FIRE/SMOKE DAMPER				
G	NATURAL GAS PIPE	Wb			
G.C.	GENERAL CONTRACTOR	WFM			
GH	GRAVITY HOOD	WMS			
<i>—/-/-/-</i> 0	r EXISTING EQUIPMENT/DUCT TO	BE REMOVED			
	EXISTING EQUIPMENT/DUCT TO	REMAIN			
	NEW EQUIPMENT / DUCT				
BI	BOILER BLOWDOWN				
C					
HV	RETURN				
HN	SUPPLY				
М					
	_				

	LOW TEM	PERATURE HOT WATER	RETURN	
	LOW TEM	PERATURE HOT WATER	SUPPLY	
MU	MAKEUP	WATER		
ه				
DUCT GAUGE SCHEDULE 2000 FPM				
FLAT OVAL DUCT DIM. OF MAJOR AXIS	ROUND DUCT	RECTANGULAR DUCT GREATEST DIMENSION	GAUGE GALVANIZED STEEL	
_	3" TO 8"	UP TO 12"	26	
UP TO 24"	9" TO 14"	13" TO 30"	24	
25" TO 48"	15" TO 36"	31" TO 54"	22	
49" TO 70"	_	55" TO 84"	20	

# **ABBREVIATIONS**

GALLONS PER MINUTE
HVAC CONTRACTOR
HEPA FILTER
HORSEPOWER
HYDRONIC RADIANT CEILING PANEL
HEATING AND VENTILATING UNIT
INLET VANES
LINEAR CEILING DIFFUSER
LAMINAR FLOW DIFFUSER
LINEAR FEET
LP GAS PIPING
LOW PRESSURE STEAM CONDENSATE
LOW PRESSURE STEAM
POUNDS PER HOUR
MIXED AIR
MIXING BOX
MOTORIZED DAMPER
MECHANICAL EQUIPMENT ROOM
MAXIMUM
ONE THOUSAND BTUH
MINIMUM
NOMINAL
OUTSIDE AIR
PUMP
PLUMBING CONTRACTOR
PRESSURE DROP (FEET OF WATER)
PRE-FILTER
PROPYLENE GLYCOL-WATER SOLUTION
PREHEAT
PRESSURE REDUCING VALVE
POUNDS PER SQUARE IN.
RETURN AIR
RETURN FAN
REHEAT COIL
RELATIVE HUMIDITY
REDUCED PRESSURE ZONE
SUPPLY AIR
SMOKE DAMPER
SPECIFIC GRAVITY
STEAM HUMIDIFIER
STATIC PRESSURE
SPLITTER DAMPER
STATIC PRESSURE SENSOR
STAINLESS STEEL
TOP GRILLE (WALL TYPE)
TOP REGISTER (WALL TYPE)
THRU WALL UNIT
UNIT HEATER
UNLESS NOTED OTHERWISE
UNIT VENTILATOR
VALVE
VOLUME DAMPER
VOLUME EXTRACTOR
VIBRATION ISOLATOR
VERIFY IN FIELD
WET BULB TEMPERATURE 'F
WATER FLOW MEASURING DEVICE
WIRE MESH SCREEN

H.C. HF HP HRP HV IV LCD LFD LF LPG LPR LPS LBS/HR MA MB MD MER MAX. MBH MIN. NOM. OA P P.C. PD PF PGW PH PRV PSI RA RF RHC	HVAC CONTRACTOR HEPA FILTER HORSEPOWER HYDRONIC RADIANT CEILING PANEL HEATING AND VENTILATING UNIT INLET VANES LINEAR CEILING DIFFUSER LAMINAR FLOW DIFFUSER LINEAR FEET LP GAS PIPING LOW PRESSURE STEAM CONDENSATE LOW PRESSURE STEAM POUNDS PER HOUR MIXED AIR MIXING BOX MOTORIZED DAMPER MECHANICAL EQUIPMENT ROOM MAXIMUM ONE THOUSAND BTUH MINIMUM NOMINAL OUTSIDE AIR PUMP PLUMBING CONTRACTOR PRESSURE DROP (FEET OF WATER) PRE-FILTER PROPYLENE GLYCOL-WATER SOLUTION PREHEAT PRESSURE REDUCING VALVE POUNDS PER SQUARE IN. RETURN AIR RETURN FAN REHEAT COIL	JOSEF A R O Joseph G. 108 N Di Peekski PH: EM: jou NOTES: IT IS A VIO ANY PER UNDER T LICENSED TO ALTER ALTERED, OR ENGINI ITEM BEA ARCHITE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED SIGNATURE ALTERED DO NOT	H THOMPS C H I T E C Thompson Architect, vision Street, St II, New York 1 (8 4 5) 5 3 2 - 8 1 5 6 e@jthompsonarch.co LATION OF THE LAN (8 4 5) 5 3 2 - 8 1 5 6 e@jthompsonarch.co LATION OF THE LAN SON, UNLESS AC HE DIRECTION ARCHITECT OR ENGINE HE ALTERING ARCH EL RIGHTE SEAL O CT OR ENGINE ITHE ALTERING ARCH EL RIGHTS RESEL OF NEW POLLOWED E SCALE DRAWI DIMENSIONS GO' G THOMPSON ARCH L RIGHTS RESEL	V FOR OF A INTER, VIFAN OF AN ER IS HITECT TO HIS SUCH CIFIC ATION. NGS. VERN. HITECT, RVED.
RN RPZ SA SD Sp. Gr. SH SPD SPS S.S. TG TR TWU UH U.N.O. UV V V VD VE VI VI VI VI VI VI SPS S.S.	RELATIVE HOMIDITY REDUCED PRESSURE ZONE SUPPLY AIR SMOKE DAMPER SPECIFIC GRAVITY STEAM HUMIDIFIER STATIC PRESSURE SPLITTER DAMPER STATIC PRESSURE SENSOR STAINLESS STEEL TOP GRILLE (WALL TYPE) TOP REGISTER (WALL TYPE) THRU WALL UNIT UNIT HEATER UNLESS NOTED OTHERWISE UNIT VENTILATOR VALVE VOLUME DAMPER VOLUME EXTRACTOR VIBRATION ISOLATOR VERIFY IN FIELD WET BULB TEMPERATURE, "F WATER FLOW MEASURING DEVICE		NO. 073084-1 SUED 1995; EXP. 8/25	NSTRUCTION
TO BE REMOVED TO REMAIN ATER RETURN ATER SUPPLY ULE 2000 DUCT GAUGE GALVAI SION GAUGE GALVAI 26 24 22 20	FPM   NIZED	PEEKSKILL FIREHOUSE KITCHEN IN	City of Peekskill (Owner) 701 Washington Steet Peekskill, New York 10566 S-B-L: 32.20-9-1 City of Peekskill - Westchester County	DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CC
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