MECHANICAL SYMBOL LEGEND

TURNING VANES	
AIR EXTRACTOR	
OPPOSED BLADE VOLUME DAMPER	
SUPPLY DUCT	
RETURN OR EXHAUST DUCT	
FLEXIBLE DUCT CONNECTION	
LINED DUCTWORK	
DUCT SMOKE DETECTOR TO SHUT DOWN UNIT UNDER ALARM.	
LOUVERED DOOR (BY G.C.)	
UCD — UNDERCUT DOOR (BY G.C.)	
CONNECT TO EXISTING (CTE)	

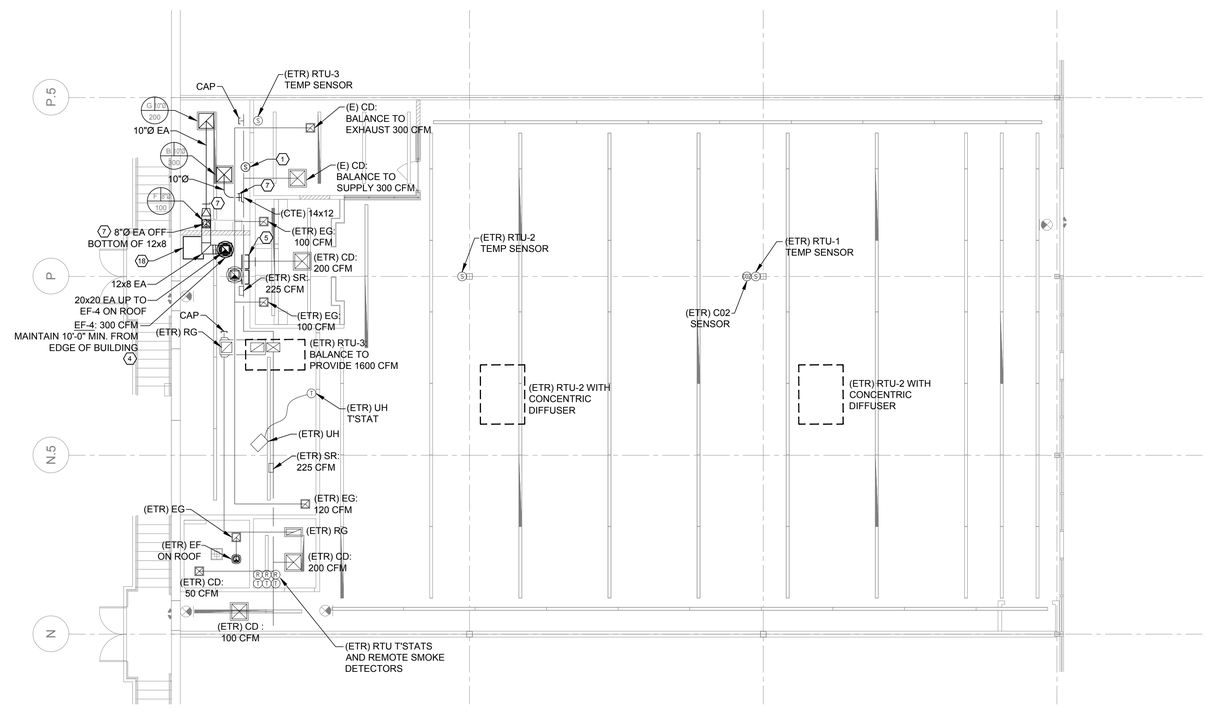
SR	SUPPLY REGISTER
RG	RETURN GRILLE
SA	SUPPLY AIR
RA	RETURN AIR
VD	VOLUME DAMPER
FD	FIRE DAMER
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
A.F.F.	ABOVE FINSHED FLOOR
(ETR)	EXISTING TO REMAIN
(T)	THERMOSTAT
(S)	SENSOR
(R)	SMOKE DETECTOR TEST STATION
(SD)	SMOKE DETECTOR TEST STATION
(TS)	SUPPLY DUCT TEMPERATURE SENSOR

CODED NOTES (#)

1. MECHANICAL CONTRACTOR TO PROVIDE, INSTALL AND WIRE REMOTE SENSOR. MOUNT TEMPERATURE SENSOR ON WALL AT 8'-0" ABOVE FINISHED FLOOR WITH LOCKED, VENTED, METAL OR PLASTIC ENCLOSURE. MECHANICAL CONTRACTOR SHALL LABEL SENSOR WITH RESPECTIVE RTU. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. PROVIDE CONTROL WIRING AS REQUIRED.
   (A) THERMOSTAT REMOTE SENSOR WIRE WILL BE 18/2 THERMOSTAT WIRE
   (B) THERMOSTAT WILL NEED COMMON WIRE CONNECTED AT ROOFTOP
2. NOT USED.
3. NOT USED.
4. ROOF MOUNTED EXHAUST FAN. SEE DETAIL AND SCHEDULE FOR REQUIREMENTS.
5. EXTEND CONCENTRIC VENT PIPING FROM PREVIOUS TANKLESS WATER HEATER LOCATION TO NEW LOCATION. CONFIRM LENGTH PRIOR TO ORDERING.
6. NOT USED.
7. MANUAL VOLUME CONTROL DAMPERS SHALL BE LOCK-TYPE (TYPICAL FOR ALL).
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. NOT USED.
14. NOT USED.
15. NOT USED.
16. NOT USED.
17. NOT USED.
18. NEW DRIER LOCATION. EXTEND RIGID ALUMINUM DRYER VENT TO NEW LOCATION.
19. NOT USED.

GENERAL NOTES

A. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING PROCESS AND BE FAMILIAR WITH THE SCOPE OF WORK.
B. MECHANICAL CONTRACTOR SHALL DISCONNECT, DISASSEMBLE, AND REMOVE EXISTING EQUIPMENT, ASSOCIATED DUCTWORK, DIFFUSERS, GRILLES, SUPPORTS, PIPING, AND ASSOCIATED CONTROLS, ETC., NOT OTHERWISE INDICATED TO BE REUSED ON DRAWINGS. ALL OPENINGS IN PIPING AND DUCTS THAT REMAIN SHALL BE PLUGGED/CAPPED AND PROPERLY SECURED. ANY EQUIPMENT DESIGNATED BY OWNER TO BE SALVAGED SHALL BE PROTECTED DURING DEMOLITION AND DELIVERED TO OWNER ON SITE; OTHERWISE, CONTRACTOR SHALL DISPOSE OF LEGALLY AS DIRECTED BY OWNER.
C. MECHANICAL CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO CONSIDERATION. PROVIDE ALL NECESSARY OFFSETS OR TRANSITIONS WITH EQUIVALENT AREAS TO MATCH DUCT SIZES AS INDICATED ON DRAWINGS.
D. CONTRACTOR SHALL BE FAMILIAR WITH OWNER'S STANDARDS, RULES AND REGULATIONS. ALL OWNER'S CRITERIA SHALL BE COMPLIED WITH AND INCLUDED IN THIS BID.
E. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO UNDERSIDE OF STRUCTURE OR AS HIGH AS POSSIBLE ABOVE FINISHED CEILING TO AVOID OBSTRUCTIONS.
F. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL EQUIPMENT.
G. HVAC DUCTWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ASHRAE AND LATEST SMACNA STANDARDS. PROVIDE TURNING VANES ON ALL ELBOWS.
H. ALL SUPPLY AND EXHAUST BRANCH DUCTWORK SHALL HAVE MANUAL VOLUME DAMPERS IN CORRESPONDING RUNOUTS NEAR CONNECTION TO MAIN DUCT.
I. NO THERMOSTATS OR SENSOR ARE TO BE LOCATED OVER HEAT PRODUCING EQUIPMENT.
J. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF WORK.
K. CONDUIT IN EXPOSED TO VIEW AREAS TO BE PAINTED TO MATCH ROOF DECK AND/OR WALL COLOR.
L. MECHANICAL CONTRACTOR SHALL PATCH ALL OPENINGS IN EXISTING WALLS, FLOORS, AND CEILINGS REMAINING AFTER COMPLETION OF ALL DEMOLITION WORK FOR PROJECT. CONTRACTOR SHALL PATCH ALL OPENINGS TO MATCH SURROUNDING SURFACE FINISHES.
M. EXISTING SPRINKLERS TO BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW ROOM/REFLECTED CEILING LAYOUT. SPRINKLERS SHALL BE IN ACCORDANCE WITH N.F.P.A. 13. PER REQUIRED OCCUPANCY HAZARDS.
N. FILTERS FOR ALL HVAC UNITS ARE TO BE REPLACED AT THE END OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY (1) ADDITIONAL SET OF FILTERS LABELED FOR THE RESPECTIVE HVAC UNIT TO OWNER AT THE END OF CONSTRUCTION.
O. ALL ROOF WORK TO BE DONE BY LANDLORD APPROVED ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY.
P. ANY EXISTING CEILING ITEMS THAT ARE TO REMAIN (FOR EXAMPLE: EXISTING DUCTWORK OR ANY OTHER EXISTING BUILDING SYSTEM ELEMENTS) ARE TO BE RAISED AS REQUIRED FOR LIGHT FIXTURE INSTALLATION. G.C. TO COORDINATE AS REQUIRED.
Q. MECHANICAL CONTRACTOR TO PERFORM COMPLETE TEST AND BALANCE OF NEW OR UPDATED HVAC SYSTEM AND SUBMIT TO GC AND BUILDING OFFICIAL IF REQUIRED.
R. ENERGY MANAGEMENT GATEWAY TO BE LOCATED IN THE IT RACK NEXT TO ETHERNET CONNECTION.



NORTH

01 MECHANICAL PLAN SCALE: 1/8" = 1'-0"

Date	Issue
05/28/2021	Bid Permit Set
08/06/2021	Addendum A

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PET SUPPLIES PLUS
Store #4175 Stony Point, NY
Interior Renovation

22 Holt Dr. Suite 107,
Stony Point, NY 10980

Mechanical
Floor Plan

M 1.0

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