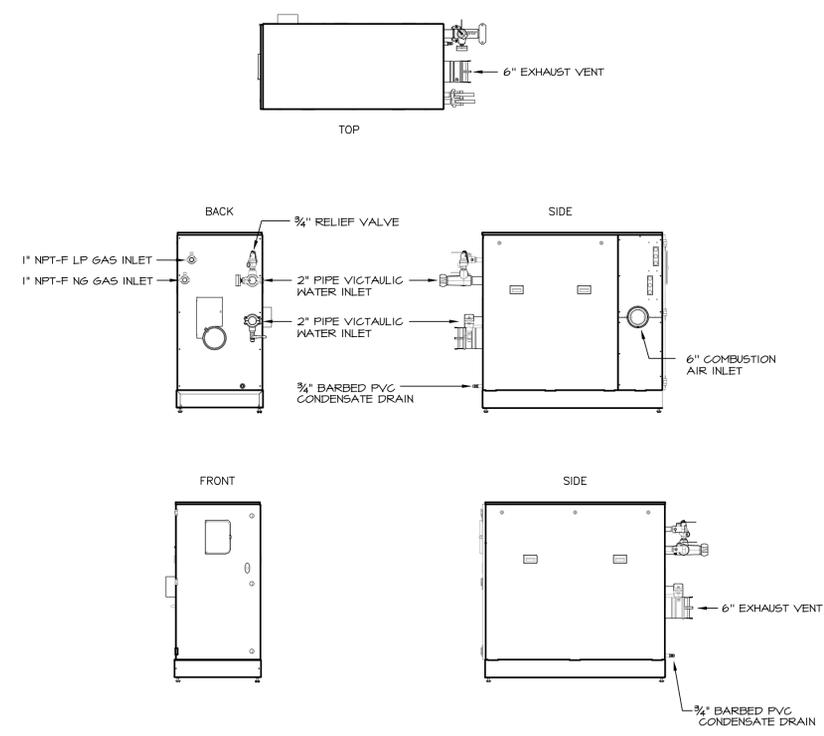
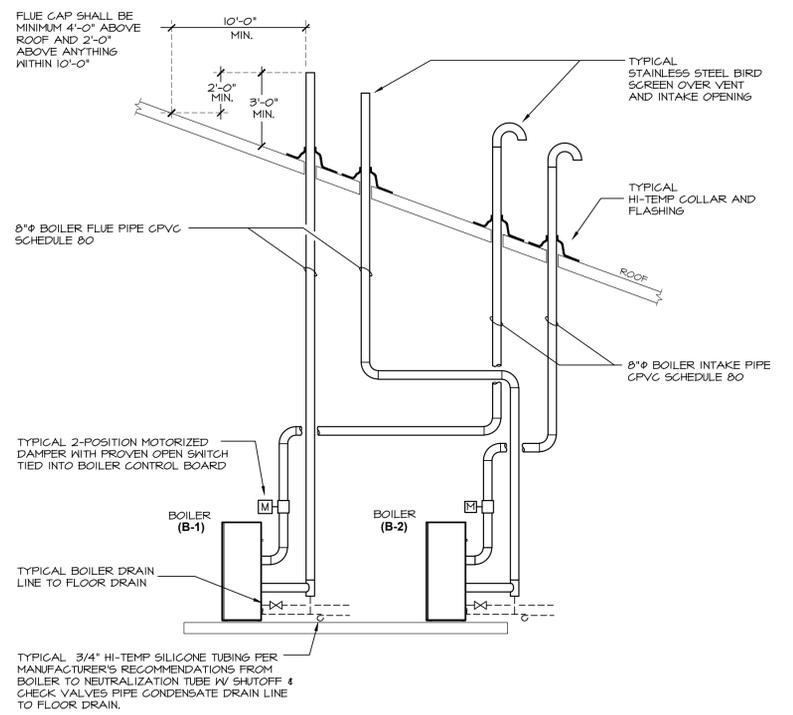


1 BOILER SYSTEM SCHEMATIC  
M201 NOT TO SCALE



2 BOILER SCHEMATIC  
M201 NOT TO SCALE

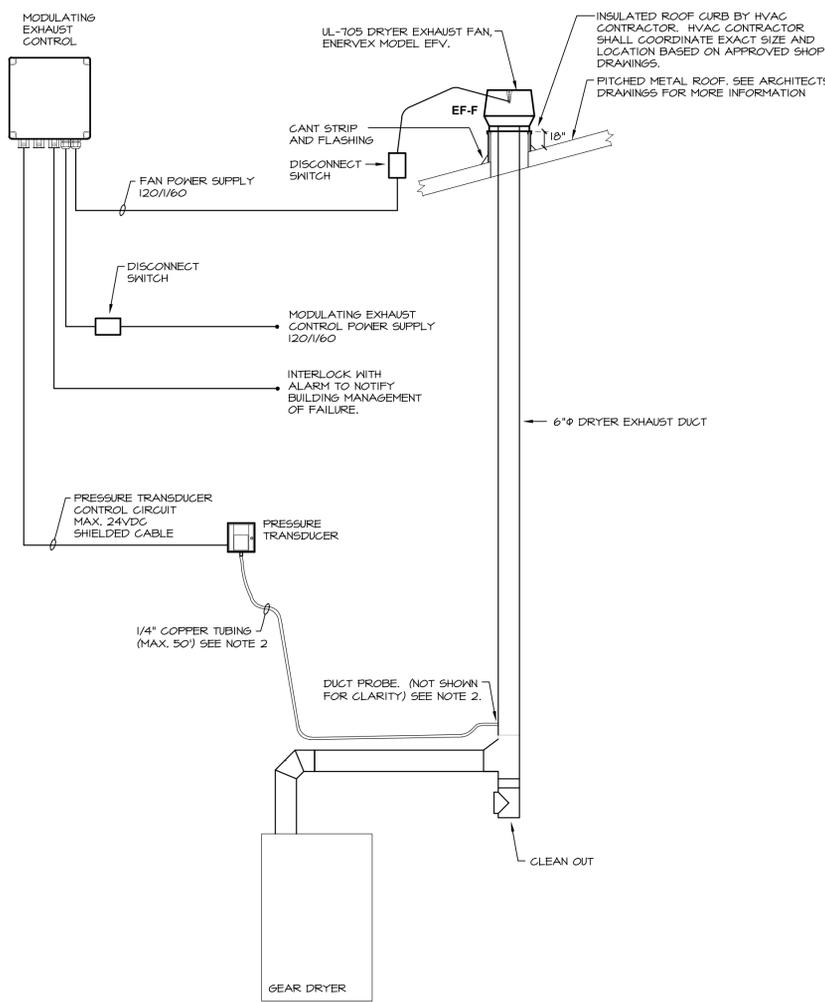


4 BOILER FLUE PIPING DETAIL  
M201 NOT TO SCALE

NEW YORK STATE DEPARTMENT OF LABOR - PART 4 - CONSTRUCTION INSTALLATION INSPECTION

- 4-6.4 CLEARANCE FOR BOILERS INSTALLED AFTER MARCH 31, 1965 IN A SPACE OR ROOM NOT PREVIOUSLY USED TO HOUSE A BOILER.
1. BUILDING WALL OR PARTITION CLEARANCE. THE CLEARANCE BETWEEN ANY COMPONENT ON THE SIDE OR REAR OF A BOILER AND ANY WALL OR PARTITION OF THE BUILDING IN WHICH IT IS INSTALLED SHALL BE NOT LESS THAN 24 INCHES WHERE THE RATED GROSS CAPACITY IS LESS THAN 5,000,000 BTU PER HOUR, WHERE THE RATED GROSS CAPACITY EXCEEDS 5,000,000 BTU PER HOUR, THE CLEARANCE TO ANY UNPROTECTED COMBUSTIBLE CONSTRUCTION SHALL BE NOT LESS THAN 36 INCHES.
  2. CLEARANCE FROM OTHER BOILERS OR EQUIPMENT. THE CLEARANCE BETWEEN ANY COMPONENT OF THE BOILER ANY OTHER BOILER OR EQUIPMENT SHALL BE NOT LESS THAN 24 INCHES.
  3. FRONT OPERATING CLEARANCE. THE CLEARANCE FROM THE FRONT WALL OR HEAD OR HEAT GENERATING APPARATUS OF THE BOILER, WHICHEVER IS CLOSER TO THE BUILDING WALL PARTITION OR OTHER EQUIPMENT, SHALL BE NOT LESS THAN FOUR FEET WHERE THE RATED GROSS CAPACITY IS LESS THAN 5,000,000 BTU PER HOUR, SUCH CLEARANCE SHALL BE NOT LESS THAN SIX FEET.
  4. WORKING PLATFORM -- VERTICAL CLEARANCE. WHEN WORKING PLATFORMS, REQUIRED FOR BOILERS WHERE THE DISTANCE FROM THE FLOOR TO THE TOP OF THE BOILER OR BOILER SETTING EXCEEDS EIGHT FEET, ARE INSTALLED ON TOP OF A BOILER FOR OPERATING OR MAINTENANCE PURPOSES, THE CLEARANCE FROM THE WORKING SURFACE OF SUCH PLATFORM TO THE LOWEST POINT OF ANY OVERHEAD STRUCTURE SHALL BE NOT LESS THAN SEVEN FEET.

- NOTES:
1. FURNISH AND INSTALL BOILER APPURTENANCES AS RECOMMENDED BY MANUFACTURER AND SERVICE SILCOCKS TO FACILITATE BOILER DRAINING AND HYDRONIC SYSTEM PURGING.
  2. PROVIDE BOILER SAFETY SHUTDOWN SWITCH AT BOILER ROOM ENTRANCE TO SHUTDOWN ALL GAS FIRED EQUIPMENT UPON ACTIVATION. SEE DETAIL # ON DRAWING (M-).
  3. USE BRASS UNION OR BALL VALVE BETWEEN DISSIMILAR METALS SUCH AS, BUT NOT LIMITED TO, STEEL AND COPPER CONNECTIONS.
  4. CONTRACTOR SHALL FILL HYDRONIC HEATING SYSTEM WITH DOWFROST PROPYLENE GLYCOL SOLUTION WITH RUST INHIBITORS (35%). SUBMIT CONCENTRATION TEST REPORT FOR ENGINEER'S REVIEW.
  5. CONTRACTOR SHALL FURNISH AND INSTALL MANUAL RESET HIGH LIMIT AND LOW WATER CUTOFF ON EACH BOILER.
  6. CONTRACTOR SHALL HIRE MANUFACTURER'S REPRESENTATIVE TO STARTUP BOILERS, SETUP CONTROLS AND PERFORM OPERATION AND COMBUSTION TESTS AS REQUIRED BY MANUFACTURER. SUBMIT REPORT OF STARTUP AND TESTS RESULTS TO ENGINEER FOR APPROVAL.



- NOTES:
1. WIRING INFORMATION IS SUITABLE FOR ENERVEX MBESV200, MBESV250, OR MBESV315.
  2. THE PRESSURE TRANSDUCER SHALL MEASURE THE PRESSURE DIFFERENTIAL BETWEEN THE DUCT'S PRESSURE AND THE BUILDING'S PRESSURE. THE WIRE LENGTH BETWEEN THE MODULATING EXHAUST CONTROL AND THE PRESSURE TRANSDUCER MAY BE SOFT.
  3. FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION OF FAN AND CONTROLS. CONTACT CHIMNEY DESIGN SOLUTIONS AT 800-685-1077.
  4. FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION OF CLOTHES DRYERS.
  5. FOLLOW DUCT MANUFACTURER'S RECOMMENDATIONS FOR CORRECT INSTALLATION METHODS.
  6. FOLLOW ALL PERTINENT NATIONAL, STATE, AND LOCAL CODES FOR PROPER INSTALLATION OF EQUIPMENT AND MATERIALS.

3 GEAR DRYER ROOF MOUNTED EXHAUST SYSTEM DETAIL  
M201 NOT TO SCALE



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NEW STATION FOR PUTNAM VALLEY FIRE STATION #1

OSCAWANA LAKE ROAD  
PUTNAM VALLEY, NEW YORK

REVISION HISTORY	
DATE	DESCRIPTION

MECHANICAL: DETAILS

SCALE: AS NOTED  
DWS. BY: KC  
DWS. DATE: 8/14/2020  
STATUS: BID DRAWINGS

M207