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Summary: HVAC inspection report of the Northeast - Elementary School in Stamford CT.

Northeast – 82 Scofield Town RD.

This school has a newer renovated Media center with 3 New Gas/Electric TRANE RTU's that serve the space. The only issues we found were that the Economizers were never wired up and are operational. These units need to be commissioned and set up to allow the unit to operate in Free cooling mode as well as allowing some OD Air into the ventilation system. It does not appear that there are any Exhaust fans for the Media center.

There is 1 other operational RTU (Lennox) AC only unit for the main office. This unit needs the economizer set up and the unit needs a thorough service and cleaning.

There are 3- Heating only AHU's that serve the auditorium and café. The units are operational and have been serviced recently. These units are missing on the reports and I will send over a revised report with them on it once our technician who performed the inspection returns from vacation next week.

Out of the 18 roof Exhaust fans for the school only 4 are operational. The one main Kitchen exhaust fan, which is original to the building and needs to be replaced. The other 14 fans are in fair to poor condition and do not have power to the fans. This may be a BMS system problem not energizing the relays to feed power to the fans and should be looked into further to determine the cause. We can provide this additional investigation if requested. Once power is restored to those fans we can determine if they function or need follow up repairs.

The 4 RTU HP's on the Portable units were not part of this inspection. There are also 2 AHU's 20+ft up in the air in the corners of the GYM/Café. We can inspect these units if requested but will require the use of a scissor lift. They are Hot water Heating only units. The 2 Exhaust fans for these 2 areas are also inoperable.

The classroom random inspections of the cabinet unit heaters, determined that the filter get dirty quickly and should be replaced more frequently. Most if not all of the UH's have an issue with the OD damper being stuck open. This introduces more OD air into the space and it would not been an issue if the Exhaust fans worked properly.

Air Quality and Air changes in and out of the buildings seem to be the main issue with the past moisture problems.