Craig City School District

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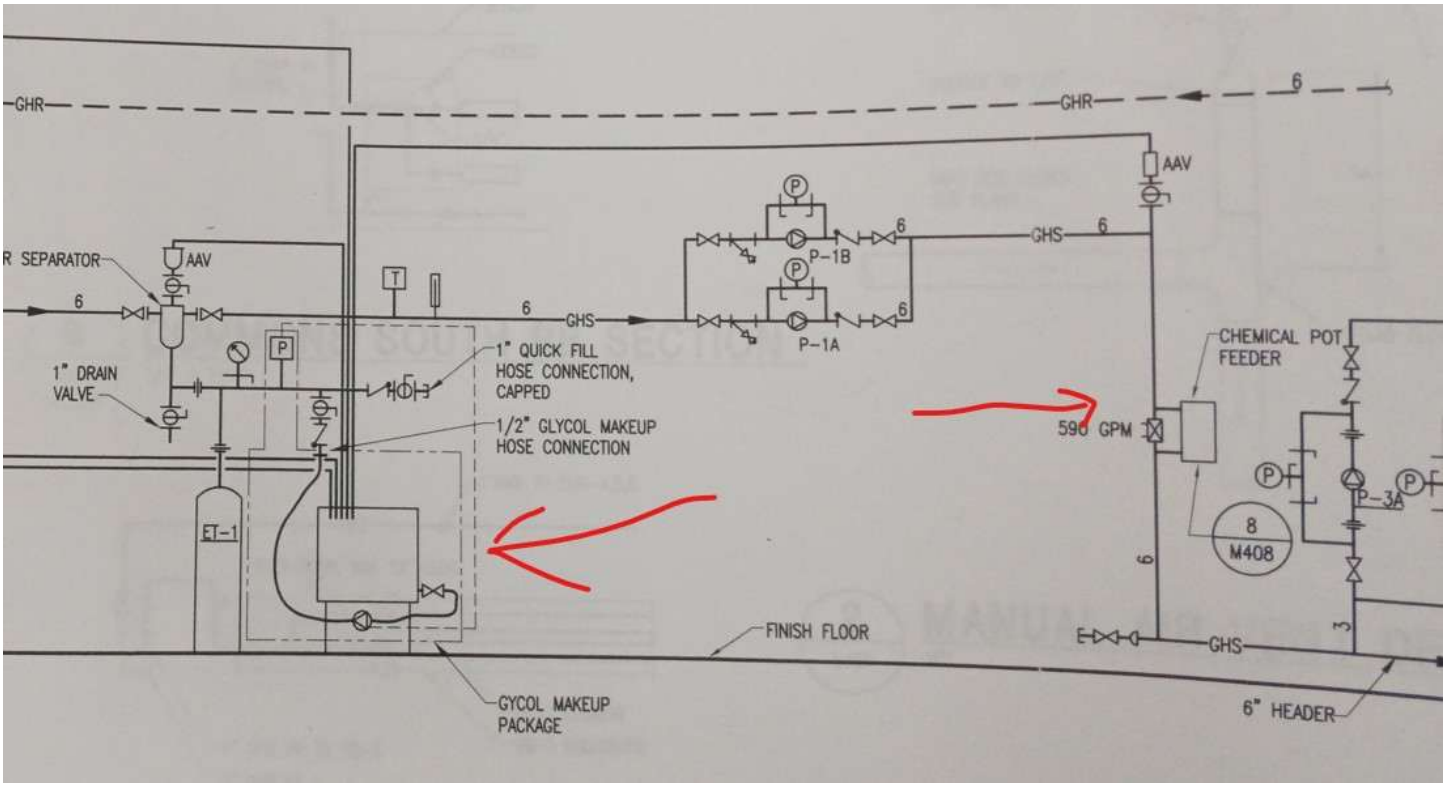
CCSD Maintenance Report
April 2026

CHS

I am delighted to report the crash course for this position is sticking and I seem to be enjoying myself.

Let's dig into my month via pictures.

Below is the original 1999 blueprint for the High School boiler room. I have drawn red arrows to direct your attention to two specific items; the glycol makeup package (gycol in the image) and the chemical feeder pot.

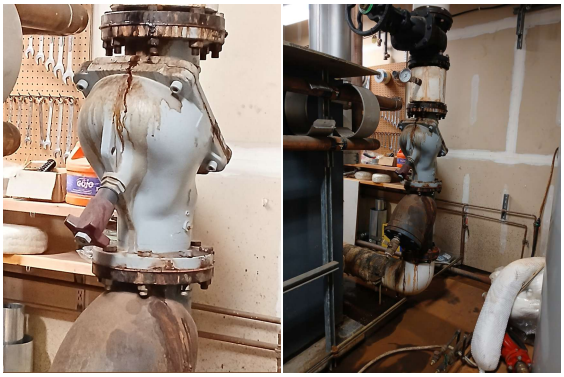


Currently, what is left of the glycol makeup package is the original glycol reclamation tank that catches liquid (mostly water) from a pressure relief valve (2 pictures on top of the next page). This valve should never allow liquids to pass from it, unless something has gone terribly wrong, or the valve itself has failed. I will cut to the chase and report that this valve failed years ago (and that we have a new one on order).

I mention this because this valve has caused more than one flood in the Highschool from overflowing the containment. Currently, we are mitigating this process with a sump. Once the new valve is installed, this will no longer be an issue.

CHS Cont

The second red arrow points to the chemical feeder pot. As far as I can tell, we have not used this port to inject chemicals into our system for some time. (No chemicals on hand, receipts for such etc.) This system is designed to prevent decay and corrosion as presented in the two photos below.



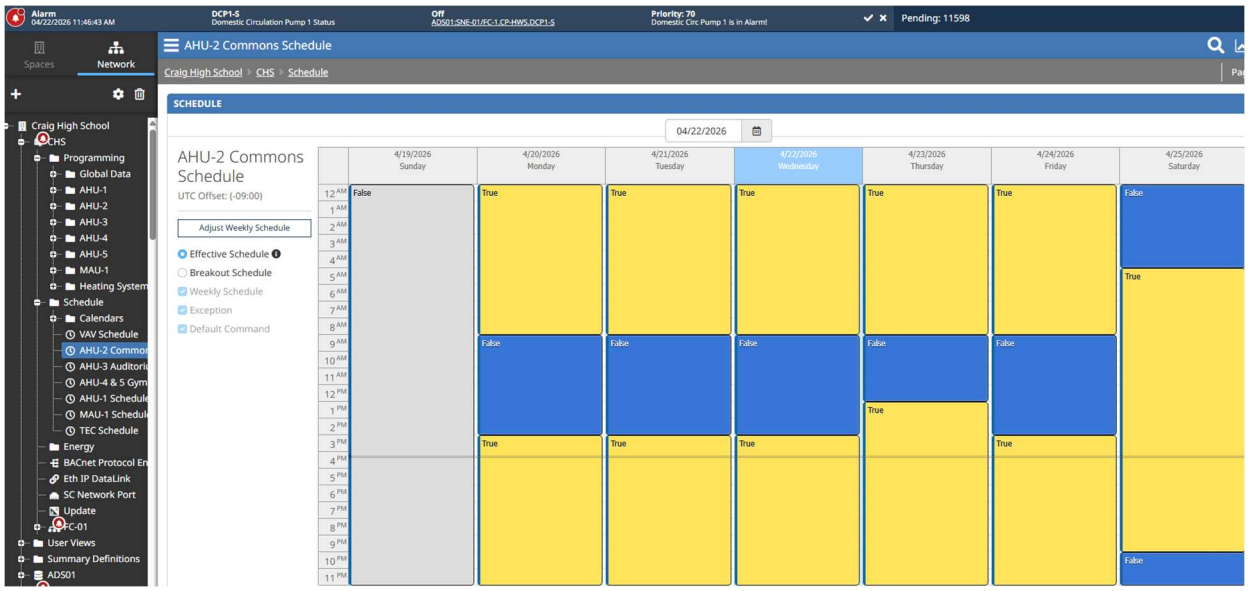
A few more issues/resolutions from/for the High School. First, we have the science room. Our system was both heating and cooling the science room simultaneously. Despite what was entered at the thermostat, we had cold air blowing in from the ceiling at 58 degrees and heat from the baseboards radiating over 120 degrees. We found the reason for this was that the AHU was set at 1900 cfm for this room and the baseboard was desperately attempting to compensate. We dropped the cfm down to 500 and received what I thought was a wonderful compliment.

Stephen DeHart
to Josh, me

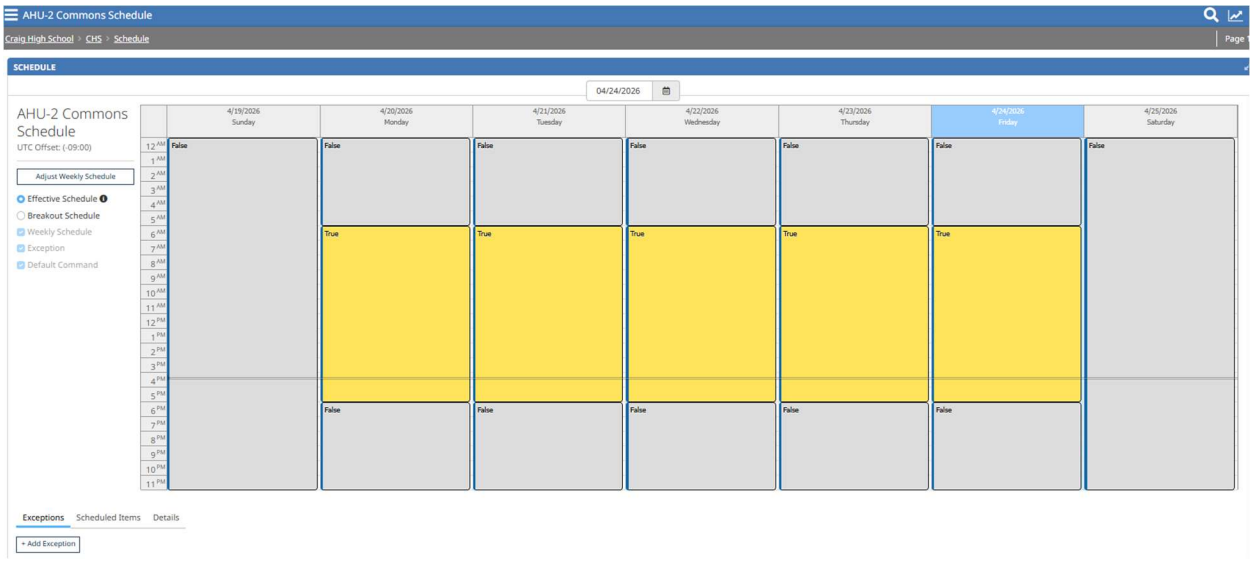
Today is the first morning I can remember coming in and finding the classroom at a comfortable temperature. I will keep you updated, thank you for all your work!

CHS Cont

Another interesting situation was just discovered on the night of the CMS/CHS Spring Concert. Upon leaving the auditorium, we were all standing around in the commons and I noticed the temperature was rather cool and cold air was blowing down on us from the vents in the ceiling. Side Note – we have had a representative on hand from Johnson Controls to bring the CMS online and to give some in person training/guidance; (Thank you Jackie!) which has been immensely valuable – as you will soon see. Upon mentioning this to the JCI Lead 'Billie', he asked if we used a function called 'scheduling'? Knowing that he was referring to our SCADA/Metasys, I answered that I had no idea. It turns out that for some reason (and according to Geno) it has been this way as long as anyone can remember – the system was turned on to full capacity throughout the evening and early morning (18 hours) only to turn off for 6 hours while the building was occupied. We have since created a schedule for the commons that is now 12/on 12/off. I had originally told Jackie we could be realizing a savings of 14-15%. I was incorrect – the simple math is 33% energy savings. The image below shows the schedule as it was. True equals ON and False equals OFF.



This is the schedule for the commons now.

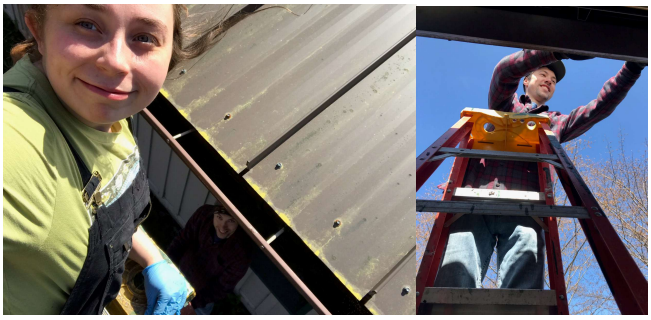


CMS

Water turned back on. 3 leaks in the gymnasium. Working to address these.
Excited to have the building turned over to us. Not much else to report from Maintenance.

CES

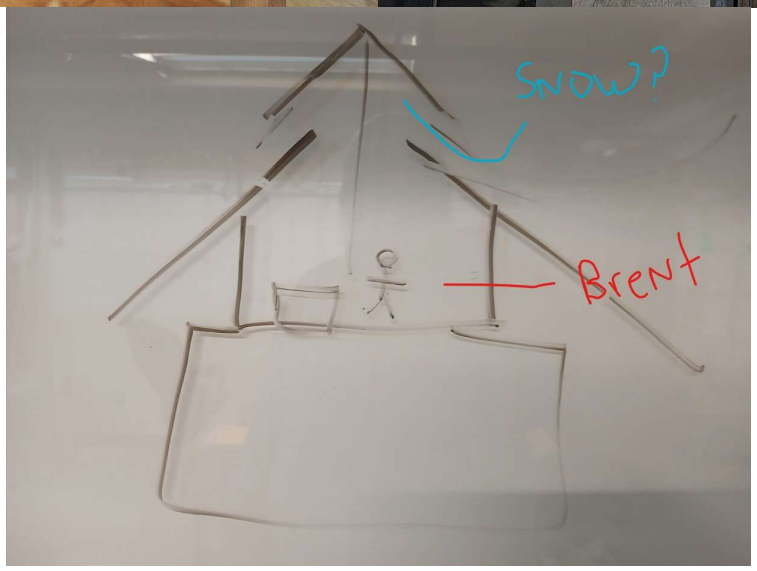
With spring in the air, it felt like a good time to clean the gutters at the CES building and the Mods. Introducing Kimijoe and Jadon on the ladders.



Brent did not want to play ‘guess the number’ again, so he drew the short straw. The good news is that the CMS has a working flagpole again and will be christened when Principal House returns.

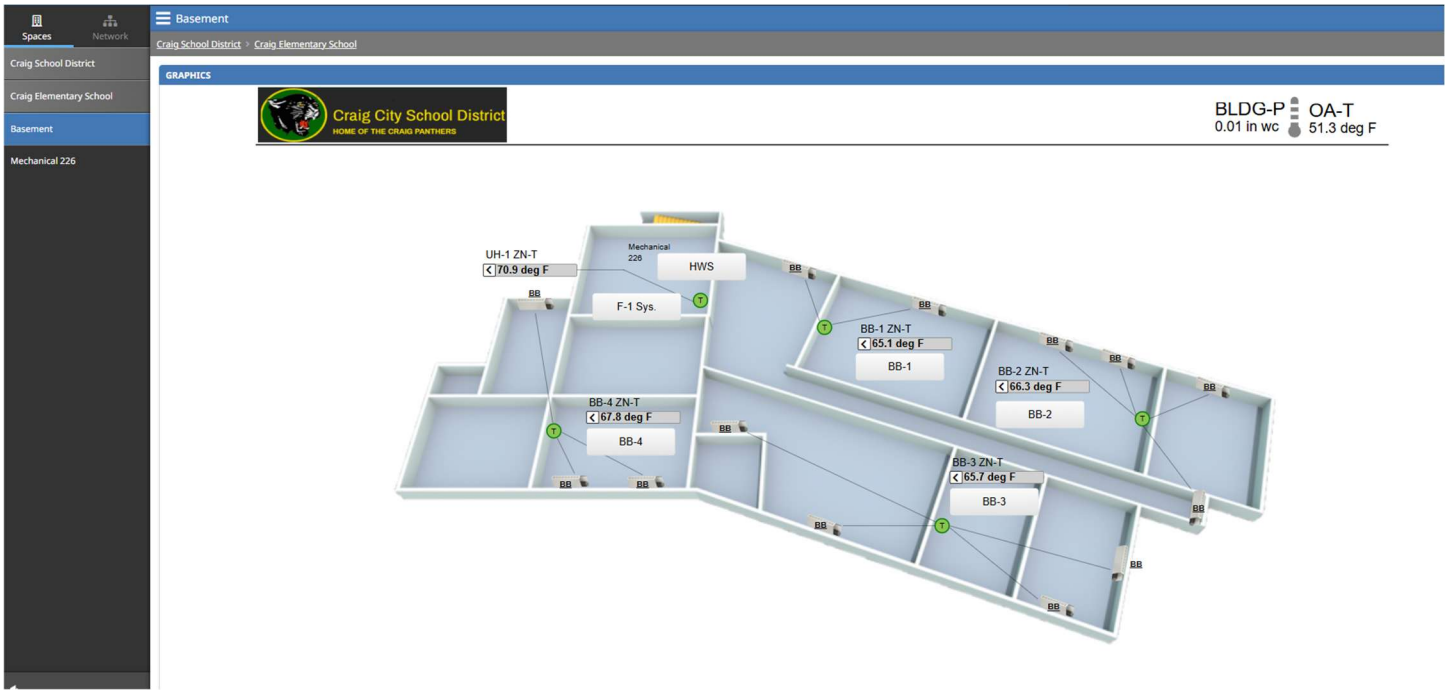
CES Cont

We had a brief scare when it was reported to us that there was a leak in the attic above the Elementary. While we can see slight evidence of water damage (none of it permanent or in need of much repair), we could not find the source. We cut a small hole into the 'attic of the attic' and again, can find no evidence of leaks. We are going to expand this small hole to make a hatch that we can easily enter for observation and snow removal. You read that correctly – snow removal. In the 3rd photo attached below, you will see a Brent rendering of what his thoughts are concerning the possible cause of the leaks. Brent reports that snow blowing sideways, can and does enter under the ridge cap, causing the maintenance department to cut a very different hole into the 'attic of the attic' and engage in the activity now known as indoor snow shoveling. We will be watching this closely. 👀

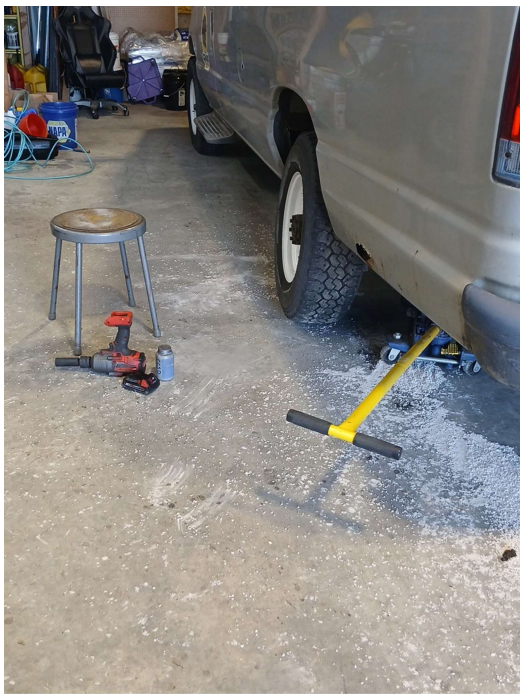


CES Cont

One more Metasys/energy savings issue. This time found at the elementary school. Apparently, we have thermostats and heaters under the school in the crawlspaces. That's reasonable – protect against freezing temperatures. The problem being, the thermostats were set at 80 degrees and ran at 80 degrees 24/7 365 days a year.



As it is springtime – it's also time to remove the studded tires from our fleet. We have brought 3 vans in for service, cleaning and tire rotation and will continue with the rest of the fleet until completion.



There is much more I could ramble on about – these are the highlights. I am extremely excited to see the drop in our energy bills a year from now. I think it will be substantial.

Thank you for your time.

Zack Cross
Maintenance Director