

CONSTRUCTION ISSUES

A total of 101 issues were identified during the commissioning efforts for the project. As of August 21, 2022, 99 issues were closed. The two remaining open issues are listed below.

TST-111-10 (AHU-4)

Two of the rubber stoppers on the door for the return fan compartment of the air handler have fallen off. Components need to be repaired and re-installed on the door.

TST-111-9 (AHU-4)

The air handler compartment between the chilled water coil and supply fan is not draining completely.

Construction Issues

101 Issues sorted by **date identified**

TST-51-3 CLOSED

Issues with DHW supply temperatures. TMV most likely reason, review system after placement/QC

Asset 🚰 Dom Hot Water
Discipline Plumbing
Due Date 3/14/2022
Created By Kelley Dugosh
Identified On 2/28/2022 10:16 AM

Issues resolved/verified Feb 25. Issue closed.

Kelley Dugosh on 02/28/2022 at 10:17 AM
Commissioning Authority, NV5

TST-111-13 CLOSED

Zero rooms were identified as CRITICAL zones in the contract documents. Are there any spaces that UT would like to make CRITICAL zones? This change would keep a VAV from being determined a nuisance box when used in AHU Static Pressure Reset Trim and Respond polling during excessive damper position (over 95% open for 8 continuous hours).

Assigned To SpawGlass
Asset ⚙️ AHU-4
Discipline Owner
Due Date 12/22/2021
Created By Kelley Dugosh
Identified On 12/8/2021 11:24 AM

This was brought up in Cx meeting and UT had no current recommendations. Closing issue. UT can change rooms as needed in the future.

Kelley Dugosh on 01/03/2022 at 09:25 AM
Commissioning Authority, NV5

TST-52-3 CLOSED

Domestic Hot Water is not functioning as of 12/7/2021. There is no hot water at the sinks, and no access to the mech room.

Assigned To SpawGlass
Asset ⚙️ Plumbing Fixtures
Discipline Plumbing
Due Date 12/22/2021
Created By Kelley Dugosh
Identified On 12/8/2021 8:22 AM


Temporary measures have been taken and verified. Waiting on new TMV to install for final testing.

Kelley Dugosh on 12/15/2021 at 09:13 AM
Commissioning Authority, NV5

TST-111-12 CLOSED

Return fan sequence changed by ET&B. Need documentation updated to reflect changes.

Similarly, the addition of CO2 mode and deletion of building pressurization needs documentation.

Assigned To SpawGlass
Asset  AHU-4
Discipline Controls
Due Date 12/21/2021
Created By Kelley Dugosh
Identified On 12/7/2021 2:34 PM

ET&B changes documented in TAB report. Issue closed.

Kelley Dugosh on 08/20/2022 at 12:23 PM
Commissioning Authority, NV5

Testing is completed with notes about ET&B changes, but still do not know of status on new documentation.


Kelley Dugosh on 01/03/2022 at 09:24 AM
Commissioning Authority, NV5

This process has started with a meeting between UT, EOR, TAB, NV5 and Entech. Unsure of final documentation plan.

Kelley Dugosh on 12/22/2021 at 08:43 AM
Commissioning Authority, NV5

TST-111-11 CLOSED

Preheat temp alarm does not clear after acknowledgement at alarm log.


Assigned To Tim Stewart
Asset  AHU-4
Discipline Controls
Due Date 12/21/2021
Created By Kelley Dugosh
Identified On 12/7/2021 1:20 PM

Corrected, closed

Kelley Dugosh on 12/07/2021 at 01:35 PM
Commissioning Authority, NV5

TST-111-10 OPEN

2 of the rubber stoppers on the door for the Return Fan air filter compartment have fallen off (currently on top of the RF disconnect box).
Internal connector of the stopper appears missing on both.


Assigned To Way Mechanical
Asset  AHU-4
Discipline Mechanical
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 2:43 PM

Not corrected as of Feb 25 field visit

Kelley Dugosh on 02/25/2022 at 09:18 AM
Commissioning Authority, NV5

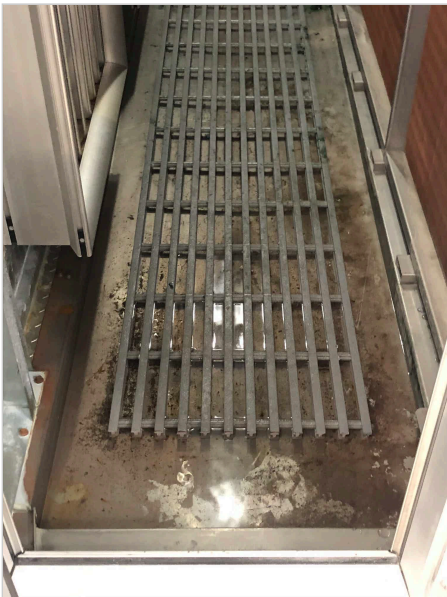
TST-111-9 OPEN

Compartment between CHW coil and supply fan not draining.

Assigned To Way Mechanical
Asset  AHU-4
Discipline Mechanical
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 2:40 PM

Light for Compartment out
Kelley Dugosh on 02/25/2022 at 09:29 AM
Commissioning Authority, NV5

Not corrected as of Feb 25 field visit
Kelley Dugosh on 02/25/2022 at 09:20 AM
Commissioning Authority, NV5



09E02278-A787-4D21-A7CF-5AC5A56461F5.jpeg

TST-111-8 CLOSED

AHU-4 interior needs a final cleanout and clean. Metal, plastic, and other construction materials on floor of multiple sections. I removed all the metal (included in final picture) but did not remove all debris. Photos attached.

Assigned To SpawGlass

Asset ⚙️ AHU-4

Discipline Mechanical

Due Date 12/20/2021

Created By Kelley Dugosh

Identified On 12/6/2021 2:38 PM

Clean out verified Feb 25. Gilbert reported a vacuum/mopping after our Feb 25 walk. Issue closed.

Kelley Dugosh on 02/28/2022 at 10:09 AM

Commissioning Authority, NV5



1A2CBCE1-028C-4BE5-B70B-680C3D5F7BB4.jpeg



E4F37C0B-FA78-44F8-BE64-B35FDAE36823.jpeg




F168C6E0-0F73-4693-9EEB-BCD79F7FDB8C.jpeg



A8C68429-5C56-49BA-8DAC-3B8C49745419.jpeg

TST-111-7 CLOSED

Requests for cooling calculation is not performing correctly. Entech to investigate


Assigned To Entech
Asset  AHU-4
Discipline Controls
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 12:59 PM

The value in the programming was unitless, and thus assumed in Celsius automatically by the program. Entech changed the unit to Fahrenheit for every box. Issue corrected and verified.

Kelley Dugosh on 12/06/2021 at 01:02 PM
Commissioning Authority, NV5

TST-111-6 CLOSED

Return Fan Flowmeter J-box missing orange controls cover.


Assigned To Entech
Asset  AHU-4
Discipline Controls
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 10:53 AM

Cover installed. Issue closed.

Kelley Dugosh on 02/25/2022 at 09:21 AM
Commissioning Authority, NV5

TST-111-5 CLOSED

Associated VAVs (all) should close damper and heating valve upon unit shutdown, located in VAV sequence (not AHU seq). This feature is not currently programmed.

Assigned To Entech
Asset  AHU-4
Discipline Controls
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 9:35 AM

Programmed during testing, tested and verified, issue closed.

Kelley Dugosh on 12/06/2021 at 10:51 AM
Commissioning Authority, NV5

TST-111-4 CLOSED

Ebtron flowmeter wiring not long enough to install transmitter box on the wall. Known issue, Entech has on order and will install when received. Please upload photo of complete wall install to close issue.

Assigned To Entech
Asset  AHU-4
Discipline Controls
Due Date 12/20/2021
Created By Kelley Dugosh
Identified On 12/6/2021 8:39 AM

Wiring installed correctly. Issue closed

Kelley Dugosh on 02/25/2022 at 09:22 AM
Commissioning Authority, NV5

TST-42-1 CLOSED

RFI 191 clarified engineer intent for FCU sequence. Fan to run 24/7. Fan coils programming to be edited by Entech and confirmed by NV5.

Assigned To Entech
Asset  FCU 1-1
Discipline Controls
Due Date 12/15/2021
Created By Kelley Dugosh
Identified On 12/1/2021 11:01 AM

Closed

Kelley Dugosh on 12/21/2021 at 02:04 PM
Commissioning Authority, NV5

This has been verified by NV5, still questioning the motive for running these fans 24/7.

Kelley Dugosh on 12/08/2021 at 08:21 AM
Commissioning Authority, NV5

TST-124-4 CLOSED

Switches in 4.512 and 4.518 have on/off capability during emergency power.

Assigned To Woody Thompson
Asset  EFIT - TEAM 3
 MECHANICAL (MEP)
Discipline Lighting
Due Date 12/8/2021
Created By Kelley Dugosh
Identified On 11/24/2021 11:26 AM


Email response from Woody at Big State: In the rooms 4512 and 4518 e fixtures are tie to a power pack on the emergency circuit which operates as normal, BSE has removed the lights from the switches to stay on as unswitched.

Will be verified by Cx agent at next site visit.

Kelley Dugosh on 11/24/2021 at 11:27 AM
Commissioning Authority, NV5

TST-124-3 CLOSED

Sump pit needs a final cleanout.

Assigned To Way Mechanical
Asset  SP-1
Discipline Mechanical
Due Date 12/6/2021
Created By Kelley Dugosh
Identified On 11/22/2021 8:42 AM

Verified, issue closed.

Kelley Dugosh on 12/08/2021 at 08:16 AM
Commissioning Authority, NV5

TST-124-2 CLOSED

DDC panels are missing labels.

Assigned To Entech
Asset  EFIT - TEAM 3
 MECHANICAL (MEP)
Discipline Controls
Due Date 12/2/2021
Created By Kelley Dugosh
Identified On 11/18/2021 11:10 AM

Verified, closed.


Kelley Dugosh on 12/08/2021 at 08:17 AM
Commissioning Authority, NV5

Spawglass indicates this was completed during 12/1 Cx meeting. NV5 to close when on site for AHU testing.

Kelley Dugosh on 12/01/2021 at 12:11 PM
Commissioning Authority, NV5

TST-124-1 CLOSED

HWP-2 had no power st start of EFIT. Breaker was tripped. Breaker reset and power did not come on.

Assigned To Way Mechanical
Asset  EFIT - TEAM 3
 MECHANICAL (MEP)
Discipline Mechanical
Due Date 12/2/2021
Created By Kelley Dugosh
Identified On 11/18/2021 11:09 AM

HWP-2 VFD has been replaced.

Kelley Dugosh on 01/20/2022 at 11:34 AM
Commissioning Authority, NV5

TST-52-2 CLOSED

Hot water at faucet never went above 82 deg

Assigned To Way Mechanical
Asset  Plumbing Fixtures
Discipline Plumbing
Due Date 11/25/2021
Created By Kelley Dugosh
Identified On 11/11/2021 2:33 PM

All faucets rechecked during Feb 25 retest. Issue closed.

Kelley Dugosh on 02/25/2022 at 11:19 AM
Commissioning Authority, NV5

Removing TMV, will advise when complete.

Chris Gerber on 11/24/2021 at 09:15 AM
Mechanical Contractor, Way Mechanical

Replace mixing valve at fixture.

Daylon Dyess on 11/17/2021 at 09:25 AM
General Contractor, SpawGlass

TST-102-4 CLOSED

Pressing the Occ Button Override on BAS should change setpoints to Occ Mode or Unpopulate Mode depending on OCC sensor. Occ Button is sending unit to unpopulated mode, but changing setpoints to Occ Mode.

Assigned To TIm Stewart
Asset ⚙️ VAV 5-4-12
Discipline Controls
Due Date 11/25/2021
Created By Kelley Dugosh
Identified On 11/11/2021 12:58 PM

The setpoint adjust program was only looking at schedule, had to add a line to look at the button status. Issue closed.

Kelley Dugosh on 11/11/2021 at 01:02 PM
Commissioning Authority, NV5

TST-45-2 CLOSED

BAPI needs to be replaced.

Assigned To Entech
Asset ⚙️ FCU 2-1
Discipline Controls
Due Date 11/25/2021
Created By Kelley Dugosh
Identified On 11/11/2021 9:16 AM

Replaced.

Kelley Dugosh on 12/08/2021 at 08:17 AM
Commissioning Authority, NV5

TST-44-2 CLOSED

Filter DP showing 1.08 in H2O with a brand new filter.

Assigned To Entech
Asset ⚙️ FCU 1-3
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 1:38 PM

Entech troubleshooting, issue corrected, closed.

Kelley Dugosh on 11/09/2021 at 02:20 PM
Commissioning Authority, NV5

TST-44-1 CLOSED

Float switch did not work.

Assigned To Entech
Asset ⚙️ FCU 1-3
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 1:36 PM

Float wiring fixed, issue corrected.

Kelley Dugosh on 11/11/2021 at 01:09 PM
Commissioning Authority, NV5

Float corrected, and test completed. Now float alarm will not turn off.

Kelley Dugosh on 11/09/2021 at 01:48 PM
Commissioning Authority, NV5

TST-46-3 CLOSED

Unit is showing 0.00inH2O across the filter. Expect to see a non-zero value with a filter in place.

Assigned To Entech
Asset ⚙️ FCU 3-1
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 1:15 PM

Entech adjusted tubing and zeroed out the BAPI. Now showing 0.10" across a brand new (today) filter. Issue closed.

Kelley Dugosh on 11/09/2021 at 01:16 PM
Commissioning Authority, NV5

TST-45-1 CLOSED

Calibrate BAPI for dirty filter alarm. Unit was at 2.1" across the filter with a dirty filter, 0.6 with a clean filter, and 0.3" with no filter.

Assigned To Entech
Asset ⚙️ FCU 2-1
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 12:45 PM

0.00" with no filter, 0.4" with clean filter, issue closed.

Kelley Dugosh on 11/09/2021 at 02:25 PM
Commissioning Authority, NV5

TST-46-2 CLOSED

Float switch is wired but is not yet installed on drain pan. Finish installation and schedule retest of the alarm.

Assigned To Entech
Asset ⚙️ FCU 3-1
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 11:18 AM

Float installed, issue closed.

Kelley Dugosh on 11/09/2021 at 12:36 PM
Commissioning Authority, NV5

TST-47-2 CLOSED

Secondary drain pans are not piped to drain or capped off. Global issue across all fan coils on levels 2-5.

Assigned To Way Mechanical
Asset ⚙️ FCU 4-1
Discipline Mechanical
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 10:56 AM

Completed, verified by NV5 and Daylon Dec. 2

Kelley Dugosh on 12/08/2021 at 08:18 AM
Commissioning Authority, NV5

Complete

Chris Gerber on 11/24/2021 at 09:16 AM
Mechanical Contractor, Way Mechanical

TST-47-1 CLOSED

Internal condensate drain hangs over the secondary drain pan.

Assigned To Way Mechanical
Asset ⚙️ FCU 4-1
Discipline Mechanical
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 10:55 AM

Issue corrected, closed.

Kelley Dugosh on 11/11/2021 at 12:20 PM
Commissioning Authority, NV5

TST-48-1 CLOSED

Float switch not going into alarm with full drain pan.

Assigned To Entech
Asset ⚙️ FCU 5-1
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 9:40 AM

Adjustment to float made by Phil (Way Mech) at the unit. Issue corrected, closed.

Kelley Dugosh on 11/09/2021 at 09:40 AM
Commissioning Authority, NV5

TST-49-1 CLOSED

Room temperature alarm is ON with the room satisfied (71.6 actual with 72.0 setpoint)

Asset ⚙️ FCU 5-2
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 9:07 AM

Issue corrected, verified, closed.

Kelley Dugosh on 11/09/2021 at 10:12 AM
Commissioning Authority, NV5

TST-50-1 CLOSED

Unit does not shut down when drain pan float alarms.

Assigned To Entech
Asset ⚙️ FCU 6-1
Discipline Controls
Due Date 11/23/2021
Created By Kelley Dugosh
Identified On 11/9/2021 8:41 AM

issue corrected

Kelley Dugosh on 11/09/2021 at 09:33 AM
Commissioning Authority, NV5

TST-40-5 CLOSED

BacNet points keep going in out on CHW pums. Observed during testing 11/4/2021.

Assigned To Chris Gerber
Asset 🌡️ Chilled Water
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 3:05 PM

BacNet points still an issue. Recommend full cleaning of the VFDs (HWP's as well).

Kelley Dugosh on 11/18/2021 at 10:46 AM
Commissioning Authority, NV5

Entech and Way checked the wiring and cover. Haven't seen the issue since they checked. Will continue to monitor before closing.

Kelley Dugosh on 11/11/2021 at 01:13 PM
Commissioning Authority, NV5

TST-40-4 CLOSED

Pumps alternate between lead and lag constantly if they are close in run time hours.

Assigned To Entech
Asset  Chilled Water
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 2:10 PM

issue verified.

Jessica Duenez on 11/04/2021 at 02:24 PM
Commissioning Authority

TST-40-3 CLOSED

DP setpoint did not change based on valve position

Assigned To Entech
Asset  Chilled Water
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 11:19 AM

issue corrected.

Jessica Duenez on 11/04/2021 at 02:25 PM
Commissioning Authority

TST-40-2 CLOSED

CHWP01 - DP value is bouncing and causing the pump status to switch between ON/OFF

Assigned To Entech
Asset  Chilled Water
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 11:18 AM

DP across the pump alarm setpoint raised from 1.0 to 1.5 PSI. Not an issue all day, closing.

Kelley Dugosh on 11/11/2021 at 01:12 PM
Commissioning Authority, NV5

TST-40-1 CLOSED

With CHWP01 pump running and feedback matching. KW is reading 0


Assigned To Entech
Asset  Chilled Water
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 11:17 AM

Both pumps checked. kW is reading with pumps ON, 0 with pumps OFF. Issue closed.

Kelley Dugosh on 11/11/2021 at 08:22 AM
Commissioning Authority, NV5

TST-111-3 CLOSED

Lower Freeze-stat is missing cover.

Assigned To Entech
Asset  AHU-4
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 8:41 AM

Verified, closed.

Kelley Dugosh on 11/18/2021 at 10:47 AM
Commissioning Authority, NV5

TST-111-2 CLOSED

SOO does not indicate that preheat valve open upon low limit safety. We recommend the preheat valve go 100% open upon low limit safety being triggered.

Assigned To Daylon Dyess
Asset  AHU-4
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 8:38 AM

Verified. Closed.

Kelley Dugosh on 02/01/2022 at 06:03 PM
Commissioning Authority, NV5

Approved during EOR meeting on 12/15. Will be tested with Entech.

Kelley Dugosh on 12/22/2021 at 08:45 AM
Commissioning Authority, NV5

Need to add freeze protection point/override. Entech to add.

Daylon Dyess on 12/08/2021 at 09:12 AM
General Contractor, SpawGlass

During testing, simulated a MAT of 39°F to open HWV to 100% without triggering Freeze. After HWV position at 100%, put the unit into freeze mode, OA damper closed, CHW open 100%, and the HWV valve immediately closed to 0%. To discuss with team if this is acceptable.

Kelley Dugosh on 12/06/2021 at 12:34 PM
Commissioning Authority, NV5

EOR responded that the preheat valve should be already wide open from the approach to freeze. Checking now with AHU Testing.


Kelley Dugosh on 12/06/2021 at 12:21 PM
Commissioning Authority, NV5

RFI sent to EOR.

Daylon Dyess on 11/23/2021 at 12:47 PM
General Contractor, SpawGlass

TST-111-1 CLOSED

CHW valve and HW valve did not respond to low limit safety

Assigned To Entech
Asset  AHU-4
Due Date 11/18/2021
Created By Jessica Duenez
Identified On 11/4/2021 8:33 AM

Issue Corrected to match SOO.

Jessica Duenez on 11/04/2021 at 08:42 AM
Commissioning Authority

TST-46-1 CLOSED

Piping at FCU-3-1 is dripping.

Assigned To SpawGlass
Asset  FCU 3-1
Discipline Mechanical
Due Date 11/15/2021
Created By Sophie Sewall
Identified On 11/1/2021 11:56 AM

Verified multiple times, closed.

Kelley Dugosh on 11/18/2021 at 10:47 AM
Commissioning Authority, NV5

This appears to be corrected, though no one has commented on it. I will recheck the next time I am on site to confirm the leak is fixed.

Kelley Dugosh on 11/09/2021 at 01:17 PM
Commissioning Authority, NV5



sea2.jpg



sea4.jpg



sea3.jpg



seay1.jpg

TST-53-2 CLOSED

Oil Minder alarm at the BAS works as expected, however, the high float alarm also goes into alarm (on BAS) when the Oil does, even though the high alarm is not initiated at the floats or on the sump display.

Assigned To Controls Contractor

Asset ⚙️ ESP-1

Discipline Controls

Due Date 11/12/2021

Created By Kelley Dugosh

Identified On 10/29/2021 11:59 AM

This was completed and verified with Kelley on 11/18.

Daylon Dyess on 11/23/2021 at 12:47 PM

General Contractor, SpawGlass

This maybe a common point as they do share a screw on the oil minder. The only way to know is to put a meter on two screws of the oil minder system and see if both points are activated at the same time. If they are then this is not a BAS issue, this would be an issue with the Oil Minder system.

Chris Olvera on 10/29/2021 at 12:15 PM

Controls Contractor, Entech

TST-53-1 CLOSED

Prefunctional checklists incomplete for elevator sump pump.

Assigned To Daylon Dyess

Asset ⚙️ ESP-1

Discipline Mechanical

Due Date 11/12/2021

Created By Kelley Dugosh

Identified On 10/29/2021 11:54 AM

TST-56-4 CLOSED

High temperature alarm does not register at 5F greater than setpoint. Global issue for all VAVs

Assigned To Entech

Asset ⚙️ VAV 2-4-1

Discipline Controls

Due Date 11/11/2021

Created By Kelley Dugosh

Identified On 10/28/2021 2:45 PM

Hight temperature alarmed fixed and tested. Issue closed.

Kelley Dugosh on 11/11/2021 at 12:21 PM

Commissioning Authority, NV5

Fixed ready to test.

Tlm Stewart on 11/03/2021 at 12:22 PM

Controls Contractor, Entech

TST-56-3 CLOSED

Project needs a final schedule for VAV relaxed setpoints for building energy savings. We implemented 9:00PM-6:00AM for testing purposes.

Assigned To Daylon Dyess
Asset ⚙️ VAV 2-4-1
Discipline Controls
Due Date 11/11/2021
Created By Kelley Dugosh
Identified On 10/28/2021 2:39 PM

Verified 9:00PM to 6:00 AM at the BAS. Issue closed.

Kelley Dugosh on 12/08/2021 at 08:30 AM
Commissioning Authority, NV5

9:00 PM - 6:00 AM approved by EOR in RFI 191 and agreed to by Jim Crump during 12/1 Cx meeting.

Kelley Dugosh on 12/01/2021 at 12:09 PM
Commissioning Authority, NV5

RFI sent to EOR.

Daylon Dyess on 11/23/2021 at 12:50 PM
General Contractor, SpawGlass

TST-56-2 CLOSED

NV5 to audit airflow setpoints for all VAVs after all contractors are complete.
Found many inconsistencies in the max cooling airflow setpoint.

Assigned To Kelley Dugosh
Asset ⚙️ VAV 2-4-1
Discipline Controls
Due Date 11/11/2021
Created By Kelley Dugosh
Identified On 10/28/2021 2:36 PM

Closing in main project, continue tracking three boxes and reviewing values on all VAVs again in warranty phase.

Kelley Dugosh on 08/23/2022 at 01:23 PM
Commissioning Authority, NV5

Compared all current FC3 values (2.25.22) to testing data. Three inconsistencies to be compared to TAB report by NV5.
VAV number. Cx Alloy values. FC3 Values.

3.4.7. cooling min 190. cooling min 100

3.4.8. 370, 150, 115, 50. all exactly doubled at FC3.

5.4.9. 375, 150, 115, 50. 470, 190, 155, 50.

Kelley Dugosh on 03/18/2022 at 11:38 AM
Commissioning Authority, NV5

This will be completed by NV5 after receiving TAB report from CPC during the BAS test.

Kelley Dugosh on 12/01/2021 at 12:10 PM
Commissioning Authority, NV5

TST-56-1 CLOSED

Seay Main graphic with links not complete. Floorplan graphics not complete.

Assigned To Entech
Asset ⚙️ VAV 2-4-1
Discipline Controls
Due Date 11/11/2021
Created By Kelley Dugosh
Identified On 10/28/2021 11:03 AM

Verified at FC3 on 2/10/22. Issue closed.

Kelley Dugosh on 02/10/2022 at 02:35 PM
Commissioning Authority, NV5

Graphics completed, to be reviewed at FC3 by NV5.

Kelley Dugosh on 01/10/2022 at 09:55 PM
Commissioning Authority, NV5

TST-58-1 CLOSED

Damper command showing 0% with a 150 CFM setpoint. Airflow currently at 836 CFM. Mode: Occupancy, full heating.

Assigned To Entech
Asset ⚙️ VAV 2-4-3
Discipline Controls
Due Date 11/10/2021
Created By Kelley Dugosh
Identified On 10/27/2021 4:24 PM

Mechanical replaced sensor, VAV working correctly. Issue closed.

Kelley Dugosh on 11/09/2021 at 02:45 PM
Commissioning Authority, NV5

Damper commanded and visibly closed with no airflow. Looks to be the airflow sensor.

Tim Stewart on 10/29/2021 at 10:48 AM
Controls Contractor, Entech



unnamed.jpg

TST-84-1 CLOSED

This unit is overshooting excessively trying to reach Heating Max CFM. 480 CFM setpoint and the airflow quickly jumps between 350 and 650 and back to 350, have watched it cycle above and below setpoint half a dozen times.

Assigned To Entech
Asset  VAV 4-4-5
Discipline Controls
Due Date 11/10/2021
Created By Kelley Dugosh
Identified On 10/27/2021 3:37 PM

Entech tuned the loop which helped the velocity parameter calm down and that solved the airflow. Issue closed.

Kelley Dugosh on 10/27/2021 at 04:06 PM
Commissioning Authority, NV5

TST-94-1 CLOSED

Max Airflow setpoint is 225, which is less than max heating airflow of 300 CFM. This issue is common across many VAVs. The airflow values are possibly from an older set of documents and need to be vetted to resolve.

Assigned To Daylon Dyess
Asset  VAV 5-4-4
Discipline Controls
Due Date 11/10/2021
Created By Kelley Dugosh
Identified On 10/27/2021 1:58 PM

Issue closed. Tracking TST-56-2 issue

Kelley Dugosh on 11/11/2021 at 12:22 PM
Commissioning Authority, NV5

This is settled correct. We are to use the contract VAV schedule.

Daylon Dyess on 10/29/2021 at 09:40 AM
General Contractor, SpawGlass

TST-102-3 CLOSED

Entered the space, saw occ sensor flash green, BAS did not react.

Assigned To Entech
Asset  VAV 5-4-12
Discipline Controls
Due Date 11/9/2021
Created By Kelley Dugosh
Identified On 10/26/2021 2:15 PM

Verified, issue closed.

Kelley Dugosh on 11/11/2021 at 12:46 PM
Commissioning Authority, NV5

The wire was disconnected from Occsenor. Corrected and functional at BAS.

Tim Stewart on 10/29/2021 at 10:47 AM
Controls Contractor, Entech

TST-102-2 CLOSED

There are multiple points that control room occupancy state including: occupancy sensor, T-stat occ sensor override, the occupancy command button on the BAS, and the UT schedule. With four options, what is the hierarchy of command?

What is the building schedule supposed to be?

Assigned To Daylon Dyess
Asset ⚙️ VAV 5-4-12
Discipline Controls
Due Date 11/9/2021
Created By Kelley Dugosh
Identified On 10/26/2021 2:12 PM

Agreed. And building schedule being tracked in another issue. Issue closed.

Kelley Dugosh on 11/18/2021 at 10:49 AM
Commissioning Authority, NV5

The command point on the BAS will technically be the only system override that does not rest back. The occupancy sensor 30 min setpoint shall be the hierarchy as it will change state back to SOO when the 30min time delay is reset in either occ/unn occ mode

Daylon Dyess on 10/29/2021 at 09:44 AM
General Contractor, SpawGlass

TST-99-1 CLOSED

VAV not achieving max airflow. Setpoint of 810 CFM, getting 458 with 100% damper position.

Box had a max flow setpoint around 400 when we started the test, but looking at the schedule, we changed it to the assigned 810 CFM. Not sure if this final value was changed by TAB for some reason.

Assigned To Daylon Dyess
Asset ⚙️ VAV 5-4-9
Discipline Mechanical
Due Date 11/9/2021
Created By Kelley Dugosh
Identified On 10/26/2021 11:12 AM

Air handler static pressure counting requests still not set up, manually changed SP setpoint to 1.0" (TAB range is currently 0.5" to 2.7"). Terminal unit had no problem reaching airflow setpoint with 88% damper position. Issue closed.

Kelley Dugosh on 10/27/2021 at 11:49 AM
Commissioning Authority, NV5

Air handler currently running at 0.5" SP (the minimum) and not ramping up, will fix this issue and see if that fixes the VAV max air issue.

Kelley Dugosh on 10/26/2021 at 11:13 AM
Commissioning Authority, NV5

TST-102-1 CLOSED

BAS Occupancy Button point is present on graphic but not workable, common across all VAVs. This section to be tested after button programming is complete.

Assigned To Entech
Asset  VAV 5-4-12
Discipline Mechanical
Due Date 11/9/2021
Created By Kelley Dugosh
Identified On 10/26/2021 9:48 AM

Issue verified, closed.

Kelley Dugosh on 11/11/2021 at 12:48 PM
Commissioning Authority, NV5

The button was renamed Occupancy Command Override Button. Note added to the bottom of graphic stating that Red signifies Unocc and Green signifies Occ in override state.

Tim Stewart on 11/03/2021 at 12:27 PM
Controls Contractor, Entech

All buttons are added to graphics and are functional.


Tim Stewart on 10/29/2021 at 10:43 AM
Controls Contractor, Entech

Tim to change button name to "Occupancy Override" button, and we need to consider leaving a note explaining to operator what red/green signifies.

Kelley Dugosh on 10/26/2021 at 02:36 PM
Commissioning Authority, NV5

TST-41-8 CLOSED

Pump failure alarm came in, but lag pump did not come on as expected.

Assigned To Entech
Asset  Heating Hot Water
Discipline Controls
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 3:26 PM

HWP02 to HWP01 lead lag swap programmed and verified. Minimum for HWP01 was changed to 22% because DPT not reliable under that speed.

Kelley Dugosh on 10/26/2021 at 09:16 AM
Commissioning Authority, NV5

disabled resets. This is tested and functional on both pumps now.

Tim Stewart on 10/22/2021 at 01:00 PM
Controls Contractor, Entech

TST-41-7 CLOSED

HWP-02 has an odd (squeak) noise each time the pump is started and stopped.

Assigned To Way Mechanical
Asset  Heating Hot Water
Discipline Mechanical
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 3:07 PM

No contractor comment to address but the odd noises are no longer there. Pump turned on and off over a dozen times during 10/26 testing, issue closed.

Kelley Dugosh on 10/26/2021 at 09:17 AM
Commissioning Authority, NV5

TST-41-6 CLOSED

System Disable (HHW SOO #3) is not programmed.

Assigned To Entech
Asset  Heating Hot Water
Discipline Controls
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 1:13 PM

Programmed and tested.

Kelley Dugosh on 10/26/2021 at 08:26 AM
Commissioning Authority, NV5

Button added to the graphic.

Tim Stewart on 10/22/2021 at 12:52 PM
Controls Contractor, Entech

System Disable has been programmed and verified. Still need a button on the BAS to close issue.

Kelley Dugosh on 10/21/2021 at 01:16 PM
Commissioning Authority, NV5

TST-41-5 CLOSED

HHW system alarms not yet programmed.

Assigned To Entech
Asset  Heating Hot Water
Discipline Controls
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 1:05 PM

Tested, issue closed.

Kelley Dugosh on 10/26/2021 at 08:14 AM
Commissioning Authority, NV5

HW alarms added and tested.

Tim Stewart on 10/22/2021 at 01:52 PM
Controls Contractor, Entech

TST-41-4 CLOSED

Lag pump turned on and ran for a minute, then turned off unexpectedly and lead (HWP-01) came back on.

Assigned To Entech
Asset  Heating Hot Water
Discipline Controls
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 10:40 AM

HWP-01 to HWP-02 lead/lag tested and verified. Issue closed.


Kelley Dugosh on 10/26/2021 at 08:56 AM
Commissioning Authority, NV5

Forced reset points found set to active. Unforced resets are functional.

Tim Stewart on 10/22/2021 at 12:53 PM
Controls Contractor, Entech

TST-41-3 CLOSED

HHW Pump Rotation programmed to original sequence of every week at set time. Needs to be set to final sequence: swap at 750 hours.

Assigned To Kelley Dugosh
Asset  Heating Hot Water
Discipline Controls
Due Date 11/4/2021
Created By Kelley Dugosh
Identified On 10/21/2021 10:39 AM

Verified at front end. HWP-1 at 4031 hours, HWP-2 at 4053 hours. Issue closed.

Kelley Dugosh on 08/22/2022 at 09:22 AM
Commissioning Authority, NV5

This has been adjusted and verified. Currently at HWP1 2443 hrs, HWP2 at 690 hrs. NV5 to verify the swap after pump runtimes are closer together.

Kelley Dugosh on 10/21/2021 at 12:57 PM
Commissioning Authority, NV5

TST-103-10 CLOSED

Plan note 202 on sheet E216 reads "Penthouse lighting controlled by relay with time function. Wall device shall provide on/off and time extension for lights on 30 minute countdown timer. Lights shall flash twice 5 minutes before end of countdown as warning." This programming has not yet been programmed. Sending an RFI to team to discuss this issue.

Assigned To Big State Electric
Asset  Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 2:16 PM

NV5 recommended "...that we do not follow through with this programming and leave the room with a simple on/off switch. The recommendation is based on safety of maintenance staff and the possibility of the lights being shut off while the operator is working inside the air handler, etc. " during the issue discussion. UT Facilities agreed with the recommendation and the EOR confirmed the RFI. Issue closed.

Kelley Dugosh on 10/15/2021 at 02:17 PM
Commissioning Authority, NV5

TST-103-9 CLOSED

2.500A (2nd floor lobby) switch controls functionality for all lights in second floor corridors, including emergency lighting. Emergency lighting cannot be on switch control according to Electrical General Notes in CDs.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 2:14 PM

Woody with Big State removed the connection to the emergency relay. Lobby switch now controls non-emergency lighting only. Issue closed.

Kelley Dugosh on 10/15/2021 at 02:15 PM
Commissioning Authority, NV5

TST-103-8 CLOSED

2.500A (2nd floor lobby) has a D2 switch installed. There is no indication what the second switch operates.

Suggest replacing with D1 switch.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 2:12 PM

TST-103-7 CLOSED

Five rooms did not time out at thirty minutes. Please verify occ sensor and confirm delay is set to 30 minutes before scheduling retest.

Rms 3.520, 3.542, 3.556, 4.522, 4.516

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 2:10 PM

TST-103-6 CLOSED

Room 2.548F has a bad occupancy sensor. Replace bad sensor and verify auto off is set to 30 minute delay.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:44 PM

TST-103-5 CLOSED

Sensors in several places were found stuffed in the ceiling from someone removing/moving installed occupancy sensor ceiling tiles. Rooms include 2.538, 2.548C, 2.558B, 2.548G, 2.548H

Assigned To Daylon Dyess
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:43 PM

Issue closed.

Kelley Dugosh on 10/29/2021 at 12:09 PM
Commissioning Authority, NV5

SG has reset these. Should no longer be an issue.

Daylon Dyess on 10/29/2021 at 09:45 AM
General Contractor, SpawGlass

TST-103-4 CLOSED

Confirm Rm 2.530 lighting is set to manual on/auto off and delay timer is set to 30 minutes.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:39 PM

TST-103-3 CLOSED

Room 2.514 lighting did not turn off for an hour during testing. Confirm occ sensor is functional and delay is set to 30 minutes.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:38 PM

TST-103-2 CLOSED

Rm 3.542A Incorrect D2 switch installed, should be a D1.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:36 PM

Corrected during testing, issue closed.

Kelley Dugosh on 10/15/2021 at 01:36 PM
Commissioning Authority, NV5

TST-103-1 CLOSED

Two rooms have occupancy sensors installed instead of vacancy sensors.
Room 2.516 and 2.518.

Install sensor for manual on/occ off on a 30 minute timer.

Assigned To Big State Electric
Asset ⚙️ Lighting Controls
Discipline Lighting
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 1:35 PM

TST-55-1 CLOSED

Graphics incomplete for sump pumps, recovery water pumps, condensate pumps. Retest BAS alarms after final graphics complete and connected to FACNET.

Assigned To Entech
Asset 🚰 Sump Pumps
Discipline Controls
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 12:54 PM

Graphics pages completed.

Kelley Dugosh on 10/21/2021 at 08:03 AM
Commissioning Authority, NV5

The recovered water system has its own graphic. Elev sump and condensate points are on the MISC graphic page Domestic High levels on Domestic Water page.

Tim Stewart on 10/18/2021 at 08:13 AM
Controls Contractor, Entech

TST-38-2 CLOSED

Graphics incomplete for exhaust fans EF-6 and EF-7.

Assigned To Entech
Asset ⚙️ EF-6
Discipline Controls
Due Date 10/29/2021
Created By Kelley Dugosh
Identified On 10/15/2021 10:11 AM

Graphics complete and verified. Issue closed.


Kelley Dugosh on 10/21/2021 at 07:56 AM
Commissioning Authority, NV5

Graphics Completed. Added to AHU page.

Tim Stewart on 10/18/2021 at 07:44 AM
Controls Contractor, Entech

TST-52-1 CLOSED

Break Room 4.526A and Restroom 4.506 sinks hot water reached 130°F within first thirty seconds.

Assigned To Way Mechanical
Asset  Plumbing Fixtures
Discipline Plumbing
Due Date 10/28/2021
Created By Kelley Dugosh
Identified On 10/14/2021 8:26 AM

This higher temperatures have been corrected. Water does not get above 120F now.

Kelley Dugosh on 01/10/2022 at 09:54 PM
Commissioning Authority, NV5

No fixture TMV is scheduled. TMV-1 is reading 120° at discharge. How can the water at the faucet be hotter?

Chris Gerber on 11/11/2021 at 04:43 PM
Mechanical Contractor, Way Mechanical

Rechecked on Nov 11. Issue not corrected.

Kelley Dugosh on 11/11/2021 at 02:41 PM
Commissioning Authority, NV5



IMG_0204.JPEG

TST-41-2 CLOSED

User adjustable setpoint for HW temperature is not on graphics

Assigned To Entech
Asset  Heating Hot Water
Discipline Controls
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 2:04 PM

Linear fit has user adjustments at all four points. Issue closed.


Kelley Dugosh on 10/21/2021 at 08:04 AM
Commissioning Authority, NV5

Linear Fit added to the graphic.

Tim Stewart on 10/14/2021 at 12:10 PM
Controls Contractor, Entech

TST-41-1 CLOSED

PRV downstream pressure alarm required in points list but value never specified.

Assigned To Daylon Dyess
Asset  Heating Hot Water
Discipline Mechanical
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 1:27 PM

23 psi, approved by EOR and campus. Issue closed.

Kelley Dugosh on 12/08/2021 at 08:16 AM
Commissioning Authority, NV5

RFI sent to EOR.


Daylon Dyess on 11/23/2021 at 12:51 PM
General Contractor, SpawGlass

Alarm has been set and tested, final value needs to be decided. Currently set to 23 psi and 2 psi.

Kelley Dugosh on 10/26/2021 at 08:01 AM
Commissioning Authority, NV5

TST-51-2 CLOSED

TMV currently set to 130F, needs to be changed to 120F.

Assigned To Way Mechanical
Asset  Dom Hot Water
Discipline Plumbing
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 12:50 PM

This has been completed. Still having DHW issues but tracking in new issue. Issue closed.

Kelley Dugosh on 12/08/2021 at 08:24 AM
Commissioning Authority, NV5

TST-51-1 CLOSED

Supply temperature sensor not yet installed, once installed, verify BAS alarm as well.

Alarm setting: under 100F for five minutes.
over 130F for five minutes

Assigned To Entech
Asset  Dom Hot Water
Discipline Controls
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 12:33 PM

Alarms verified, issue closed.

Kelley Dugosh on 11/11/2021 at 09:17 AM
Commissioning Authority, NV5

Sensor installed, added to graphics and alarm setup.

Tim Stewart on 10/29/2021 at 10:44 AM
Controls Contractor, Entech

TST-39-1 CLOSED

Fan status alarm not programmed.

Assigned To Entech
Asset  EF-7
Discipline Controls
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 12:04 PM

Alarm confirmed, issue closed.

Kelley Dugosh on 10/21/2021 at 07:58 AM
Commissioning Authority, NV5

This is completed and tested.

Tim Stewart on 10/14/2021 at 12:03 PM
Controls Contractor, Entech

TST-38-1 CLOSED

Fan Status alarm not programmed.

Assigned To Entech
Asset  EF-6
Discipline Controls
Due Date 10/27/2021
Created By Kelley Dugosh
Identified On 10/13/2021 12:03 PM

Alarm verified, issue closed.

Kelley Dugosh on 10/15/2021 at 10:10 AM
Commissioning Authority, NV5

This is completed and tested.

Tim Stewart on 10/14/2021 at 12:03 PM
Controls Contractor, Entech

CHK-365-1 CLOSED

Missing HW supply temp sensor.

Asset ⚙️ EWH-2
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 8:07 AM

CHK-362-1 CLOSED

Missing HW supply temp sensor

Asset ⚙️ EWH-1
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 8:06 AM

CHK-363-1 CLOSED

Missing HW supply temp sensor.

Assigned To Enrique Gutierrez
Asset ⚙️ EWH-2
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 7:57 AM

HW supply temperature sensor installed and displaying on BAS. Currently at 119.8°F.

Kelley Dugosh on 10/21/2021 at 07:53 AM
Commissioning Authority, NV5

Sensor installed and functional.

Tlm Stewart on 10/18/2021 at 12:53 PM
Controls Contractor, Entech

CHK-360-1 CLOSED

Missing HW supply temp sensor.

Assigned To Enrique Gutierrez
Asset ⚙️ EWH-1
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 7:56 AM

HW supply temperature sensor installed and displaying on BAS. Issue closed.

Kelley Dugosh on 10/21/2021 at 07:52 AM
Commissioning Authority, NV5

Sensor installed and functional.

Tlm Stewart on 10/18/2021 at 12:54 PM
Controls Contractor, Entech

CHK-92-1 CLOSED

Rework duct for AFMS.

Replace CHW CV.

Assigned To Luis Alvarado
Asset ⚙️ AHU-4
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 7:21 AM

CHK-296-1 CLOSED

Missing flow sensor

Asset ⚙️ VAV 4-4-8
Due Date 10/26/2021
Created By Daylon Dyess
Identified On 10/12/2021 7:20 AM

CHK-383-1 CLOSED

High water alarm incomplete. Entech

Asset ⚙️ RWP-2
Due Date 10/21/2021
Created By Daylon Dyess
Identified On 10/7/2021 2:07 PM

We added an alarm relay that is triggered by high water.

Ryan Hallowell on 10/08/2021 at 08:02 AM
Mechanical Contractor, Way Mechanical

CHK-379-1 CLOSED

High water alarm not complete. Entech

Asset ⚙️ RWP-1
Due Date 10/21/2021
Created By Daylon Dyess
Identified On 10/7/2021 2:06 PM

We added an alarm relay that is triggered by high water.

Ryan Hallowell on 10/08/2021 at 08:02 AM
Mechanical Contractor, Way Mechanical

CHK-371-1 CLOSED

LAV on LVL 4 cannot be installed until tile is replaced.

Asset ⚙️ Plumbing Fixtures
Due Date 10/20/2021
Created By Daylon Dyess
Identified On 10/6/2021 1:09 PM

CHK-111-1 CLOSED

Complete insulation

Asset ⚙️ CHWP-2
Due Date 10/13/2021
Created By Daylon Dyess
Identified On 9/29/2021 8:19 AM

CHK-107-1 CLOSED

Complete insulation

Asset ⚙️ CHWP-1
Due Date 10/13/2021
Created By Daylon Dyess
Identified On 9/29/2021 8:19 AM

CHK-122-1 CLOSED

We are not currently controlling HHW temp.

Asset  HX-1
Due Date 10/13/2021
Created By Daylon Dyess
Identified On 9/29/2021 7:51 AM


CHK-123-1 CLOSED

We are not currently controlling HHW 160 in 180 out.

Asset  HX-1
Due Date 10/13/2021
Created By Daylon Dyess
Identified On 9/29/2021 7:50 AM


CHK-129-1 CLOSED

Make up water incomplete. Valves are off, gauge is missing, PRV not set.

Asset  AS-1
Due Date 10/13/2021
Created By Daylon Dyess
Identified On 9/29/2021 7:37 AM

FO-10-1 CLOSED HIGH

Missing Catalyst installed on generator exhaust and the insulation installed to prevent the exhaust pipe from heating the enclosure has melted two sensor cables that need to be replaced and system checked out for proper function and operations.

Assigned To Big State Electric
Asset  Natural Gas Generator
Discipline Electrical
Due Date 9/4/2021
Created By John Gardner
Identified On 8/21/2021 11:58 AM

The missing catalyst on the generator exhaust and insulation have been installed and the two sensors have been replaced and all is functioning. 11/17/2021

John Gardner on 11/18/2021 at 03:31 PM
Commissioning Authority, NV5

The missing catalyst on the generator exhaust and insulation have been installed and the two sensors have been replaced and all is functioning. 11/17/2021


Woody Thompson on 11/17/2021 at 11:44 AM
Electrical Contractor, Big State Electric

Replace the melted two sensor cables that need to be replaced and system checked out for proper function and operations.

John Gardner on 08/21/2021 at 11:58 AM
Commissioning Authority, NV5


CHK-29-1 CLOSED

ENTECH to complete wiring.
TEJAS needs contacts.

Asset  ATS-LR
Due Date 9/2/2021
Created By Daylon Dyess
Identified On 8/19/2021 9:18 AM

FO-9-3 CLOSED

Belden communication wire has been cut. Entire spool must be used to ensure reliable connectivity.


Assigned To Big State Electric
Asset  GEN-1
Discipline Electrical
Due Date 8/3/2021
Created By Kelley Dugosh
Identified On 7/20/2021 4:29 PM

Belden wire replaced, generator has been tested.

Kelley Dugosh on 08/11/2021 at 12:21 PM
Commissioning Authority, NV5

FO-9-2 CLOSED

Exhaust pipe outlet installed upside down, allowing rain to enter (photo attached). Enclosure contractor to re-install when adding the catalyst to the system.

Assigned To Big State Electric
Asset  GEN-1
Discipline Electrical
Due Date 8/3/2021
Created By Kelley Dugosh
Identified On 7/20/2021 4:27 PM

Verified on site 10.13.21. Issue closed.

Kelley Dugosh on 10/15/2021 at 01:07 PM
Commissioning Authority, NV5

this has been corrected and ok'd by Cummins rain can not enter the exhaust.

Woody Thompson on 08/18/2021 at 10:52 AM
Electrical Contractor, Big State Electric

Completed during generator startup

Kelley Dugosh on 08/11/2021 at 12:22 PM
Commissioning Authority, NV5




4ACAE8F2-12DA-4682-B53D-0B54E2F97EF7.jpeg



6440D87D-1E77-4AC7-B236-C6455F85AFAA.jpeg

FO-9-1 CLOSED

Catalyst missing on generator exhaust. Enclosure contractor to deliver and install.



Assigned To Big State Electric
Asset  GEN-1
Discipline Electrical
Due Date 8/3/2021
Created By Kelley Dugosh
Identified On 7/20/2021 4:24 PM

Delivered and installed.

Kelley Dugosh on 08/11/2021 at 12:23 PM
Commissioning Authority, NV5

TST-31-1 CLOSED MODERATE

The New C/B in existing SwGr is properly labeled with proper identification, proper warning labels and arc flash labels

Assigned To Big State Electric
Asset  Existing Metal Clad SwBd
 MSBA C/B
Discipline Electrical
Drawing E802 details 3 / 5 / 7 / 8 / 11 /
Due Date 7/8/2021
Created By John Gardner
Identified On 6/24/2021 9:09 AM

complete photo added


Woody Thompson on 08/24/2021 at 10:03 AM
Electrical Contractor, Big State Electric

Confirm that New C/B in existing SwGr is properly labeled with proper identification, proper warning labels and arc flash labels

John Gardner on 06/24/2021 at 09:09 AM
Commissioning Authority, NV5

TST-25-1 CLOSED MODERATE

The ATS Switches (ATS- EM / ATS- SB / ATS -LR) are NOT properly labeled with proper identification, proper warning labels and arc flash labels

Assigned To Big State Electric
Asset  ATS-EM
Discipline Electrical
Drawing E802 details 3 / 5 / 7 / 8 / 11 /
Due Date 7/8/2021
Created By John Gardner
Identified On 6/24/2021 9:07 AM

All identification is on the ATS's

Woody Thompson on 07/13/2021 at 11:06 AM
Electrical Contractor, Big State Electric

Confirm that the ATS Switches (ATS- EM / ATS- SB / ATS -LR) are properly labeled with proper identification, proper warning labels and arc flash labels

John Gardner on 06/24/2021 at 09:07 AM
Commissioning Authority, NV5

TST-1-1 CLOSED MODERATE

Panelboard is NOT properly labeled with proper identification, proper warning labels and arc flash labels

THIS APPLIES FOR ALL PANELBOARDS IN PROJECT

Assigned To Big State Electric

Asset ⚙️ 1HM

Discipline Electrical

Drawing E802 details 3 / 5 / 7 / 8 / 11 /

Due Date 7/8/2021

Created By John Gardner

Identified On 6/24/2021 8:59 AM

All identification for the panels have been installed.

Woody Thompson on 07/13/2021 at 10:43 AM
Electrical Contractor, Big State Electric

Confirm that the Panelboard is properly labeled with proper identification, proper warning labels and arc flash labels

John Gardner on 06/24/2021 at 09:01 AM
Commissioning Authority, NV5

TST-15-1 CLOSED MODERATE

Transformer is NOT properly labeled with proper identification, proper warning labels and arc flash labels

THIS APPLIES FOR ALL TRANSFORMERS IN PROJECT

Assigned To Big State Electric

Asset ⚙️ T-1LSB

Discipline Electrical

Drawing E802 details 3 / 5 / 7 / 8 / 11 /

Due Date 7/8/2021

Created By John Gardner

Identified On 6/24/2021 8:48 AM

All identification for the transformers have been installed.

Woody Thompson on 07/13/2021 at 10:42 AM
Electrical Contractor, Big State Electric

TST-34-1 CLOSED HIGH

Ground Bar not installed in the proper location per the contract drawing 20 inches above the door

Assigned To Big State Electric

Asset ⚙️ Grounding and Bonding

Discipline Electrical

Drawing E311 note 307 & E501 note 307

Due Date 7/8/2021

Created By John Gardner

Identified On 6/24/2021 8:45 AM

completed

John Gardner on 10/12/2021 at 10:39 AM
Commissioning Authority, NV5

As per our shop drawings the ground bars in the right place. 9/20

Woody Thompson on 07/13/2021 at 10:32 AM
Electrical Contractor, Big State Electric

Install the ground Bar per the Contract drawings (E311 note 307 & E501 note 307)

John Gardner on 06/24/2021 at 08:45 AM
Commissioning Authority, NV5