

**PROJECT A: STEAM TO NATURAL GAS CONVERSION**  
**Wednesday, May 13, 2020**

**Overall Status:** Project is on schedule to be complete at the end of September 2020. Xcel work to install gas lines is complete except for hardscape repairs. Hardscape repairs are to begin next week on the east side of Cherry Creek, the west side of Arts, the east side of PE, and the north side of Science.

After a comprehensive value engineering effort by the design team and GH Phipps the budget is good and we have been able to add some aspects of work back into the project. Note that we have received an updated schedule from GH Phipps and some of the dates have been pushed back due to boiler and hot water heater delivery dates being determined by the manufacturers.

Happening next week, by Building:

**Tivoli Commons:**

A. Next Week:

- Xcel bored through a campus irrigation mainline that is undergoing repairs at the southwest corner of the Quad.

**Boulder Creek:**

A. Next Week:

- Steam shut down for demo of steam equipment.
- Ongoing finishes on interior walls in Boiler Room
- Demo of concrete equipment pads in Mechanical Room

B. Upcoming:

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 18	May 18	June 2	July 9	July 22	Sept. 20

C. Impacts:

- Contractors are to utilize scaffold stair tower on north side of building.
- No heat and no hot water in building as noted above.
- Noisy demo work will be occurring in the Mechanical Room.

**Plaza:**

A. Next week:

- Wrap up structural steel work, including new beam inside on NE corner of building
- Install decking for new entrance to penthouse.
- Finish installation of ceilings in the piping work areas after inspections occur this week
- Roof top Gas line installation
- Exterior stud work on Penthouse Mechanical Room
- Demolition of steam equipment.

B. Upcoming:

- May 20: Date moved earlier for steam shut down for demo of steam equipment.

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 13	May 13	June 10	July 22	August 6	Sept. 18

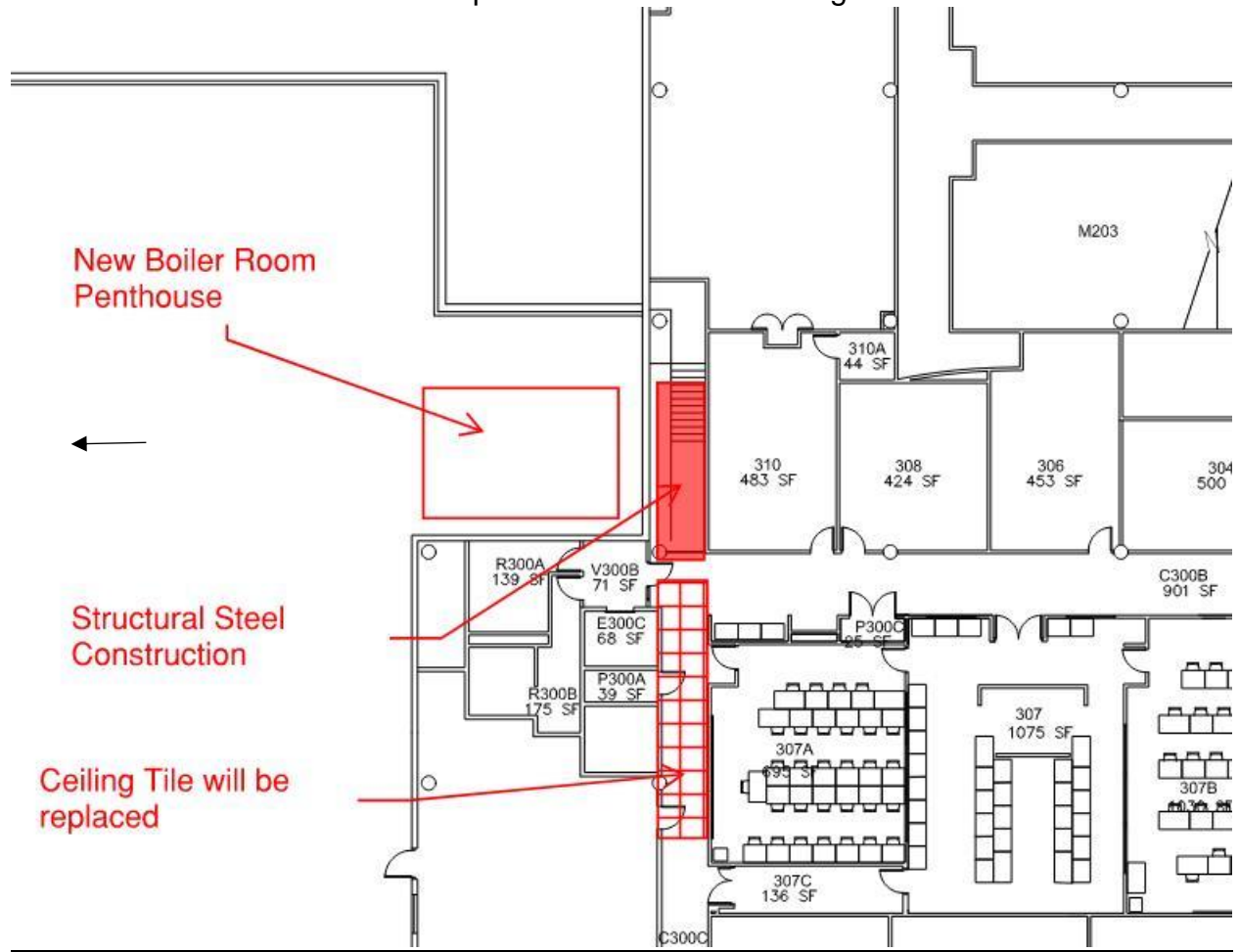
Note: Plaza Health Center has electric hot water heaters and will not experience a hot water outage.

C. Impacts:

- a. Contractors are to utilize scaffold stair tower on east side of building for Boiler Penthouse work.
- b. No heat and no hot water as noted above.



- c. Work is underway that involves installing structural steel for the penthouse and the access from the new boiler room penthouse into the building.



**PE:**

**A. Next week:**

- Installing exterior studs at new boiler room penthouse
- Finalizing installation of gas line; inspection follows.
- Demo of existing steam equipment begins
- Gas outage continues until June 2
- Start of construction of new penthouse on roof

**B. Upcoming:**

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 12	May 7	June 10	May 27	Aug 5	Sep. 17

**C. Impacts:**

- a. To provide a more comfortable working environment in the Mechanical Room steam has been temporarily shut down.
- b. Beginning Thursday, May 7th natural gas will be shut down to the building. This means for the next 2 weeks the building will be without hot water. (If hot water is needed during this period, there is a work around that can be done if necessary.)

- c. Contractors are to utilize scaffold stair tower on south side of building for Boiler Penthouse work.
- d. No heat and no hot water as noted above.

**Arts:**

A. Next week:

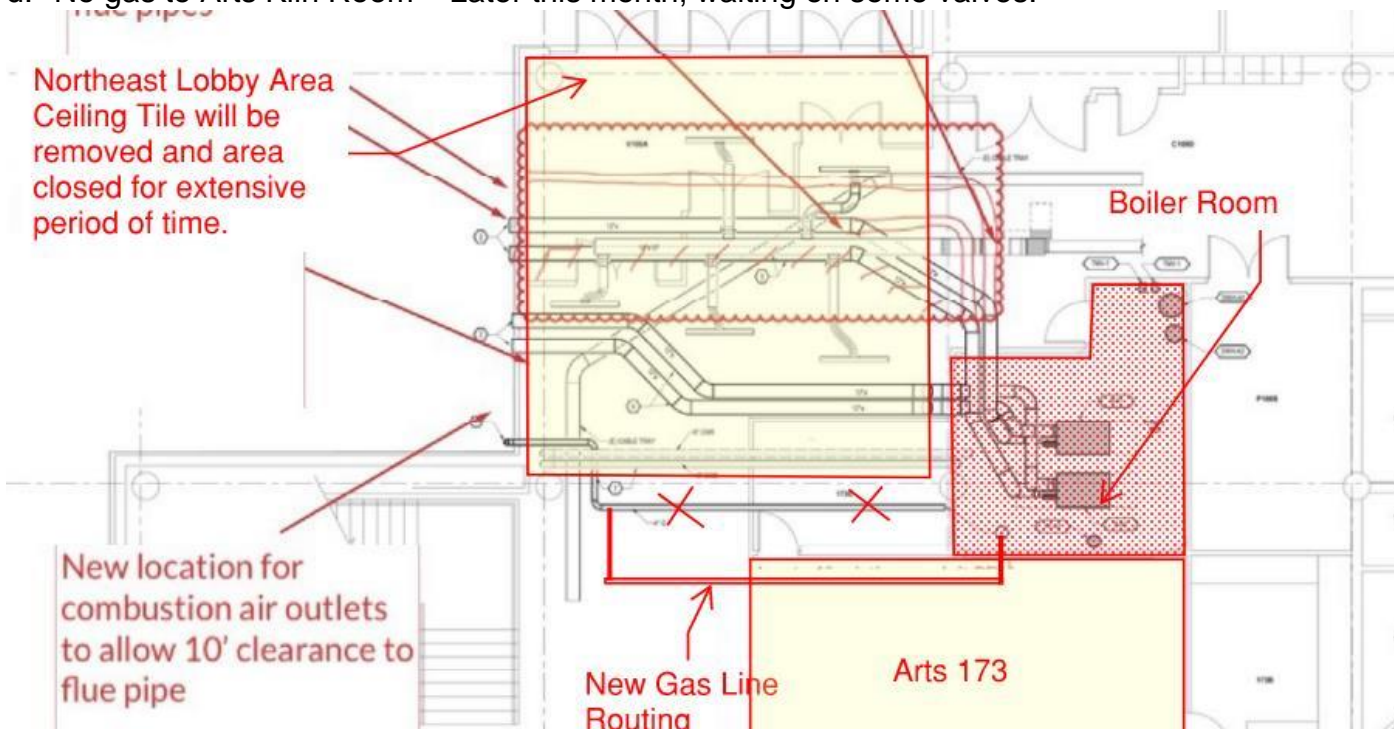
- o Ceiling being demoed at main entry.
- o Gas line and pipe installation in lobby and through Arts 173.
- o Demo of steam system begins
- o Begin exterior brick work on north exterior wall north of Lobby area.

B. Upcoming:

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 18	May 18	June 10	Aug 19	July 30	Sept. 11

C. Impacts:

- a. To provide a more comfortable working environment in the Mechanical Room steam has been temporarily shut down, as a result there is no hot water in the building.
- b. No heat and no hot water as noted above.
- c. Majority of work is concentrated in the northeast corner of the building.
- d. No gas to Arts Kiln Room – Later this month, waiting on some valves.



**Central Classroom:**

A. Next week:

- o Continued installation of exterior gas lines on the roof of the building
- o Demolition of steam equipment begins. Dumpster will be placed in the alley.

- Re-route of fire suppression main lines in the Mechanical Room.
- Begin demolition of exterior brick outside of the Mechanical Room in the alley.

B. Upcoming:

- Installation of vertical gas lines on the outside of Central adjacent to St. Elizabeth Alley.

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 18	May 18	June 10	July 28	July 31	Sep. 14

C. Impacts:

- To provide a more comfortable working environment in the Mechanical Room steam has been temporarily shut down, as a result there is no hot water in the building.
- During the installation of the vertical gas lines in the alley between St. Elizabeth and Central the food line will need to be relocated for the safety of the folks served by the Church.
- No heat and no hot water as noted above.

**West Classroom:**

A. Next week:

- Demolition for roof penetrations
- Re-locate roof sprinkler line for new flue placement in WC 153B

B. Upcoming:

- Demolition of existing steam heat exchangers.
- WC 243 Closet conversion into flue chase.

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 26	May 26	June 10	Aug 19	Aug 7	Sept. 21

C. Impacts:

- To provide a more comfortable working environment in the Mechanical Room steam has been temporarily shut down, as a result there is no hot water in the building.
- No heat and no hot water as noted above.

**Cherry Creek:**

A. Next week:

- Install roof penetrations for flues

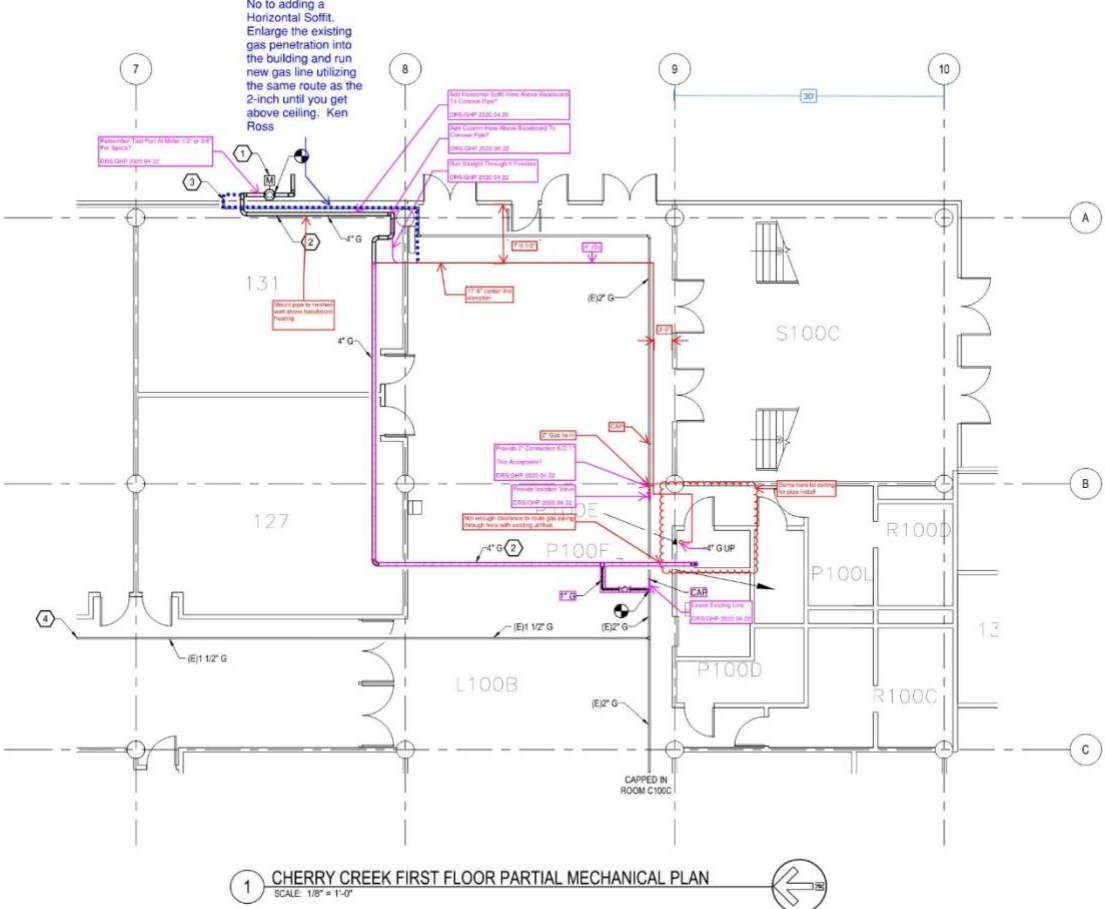
B. Upcoming:

- Install interior gas piping
- Demolition of Steam equipment

No Steam / No Heat	No Hot Water	Boiler Delivery	Hot Water Returns	Heating Sys Active	Building Complete
May 19	May 19	June 10	Aug 4	Aug. 17	Sept. 29

**C. Impacts:**

- To provide a more comfortable working environment in the Mechanical Room steam has been temporarily shut down, as a result there is no hot water in the building.
- No heat and no hot water as noted above.
- Gas piping will run from the east side of the building into the center of the building and up from the first floor to the third floor. As a result there will be some work in the main lobby area on the east side of the building.



**Science:**

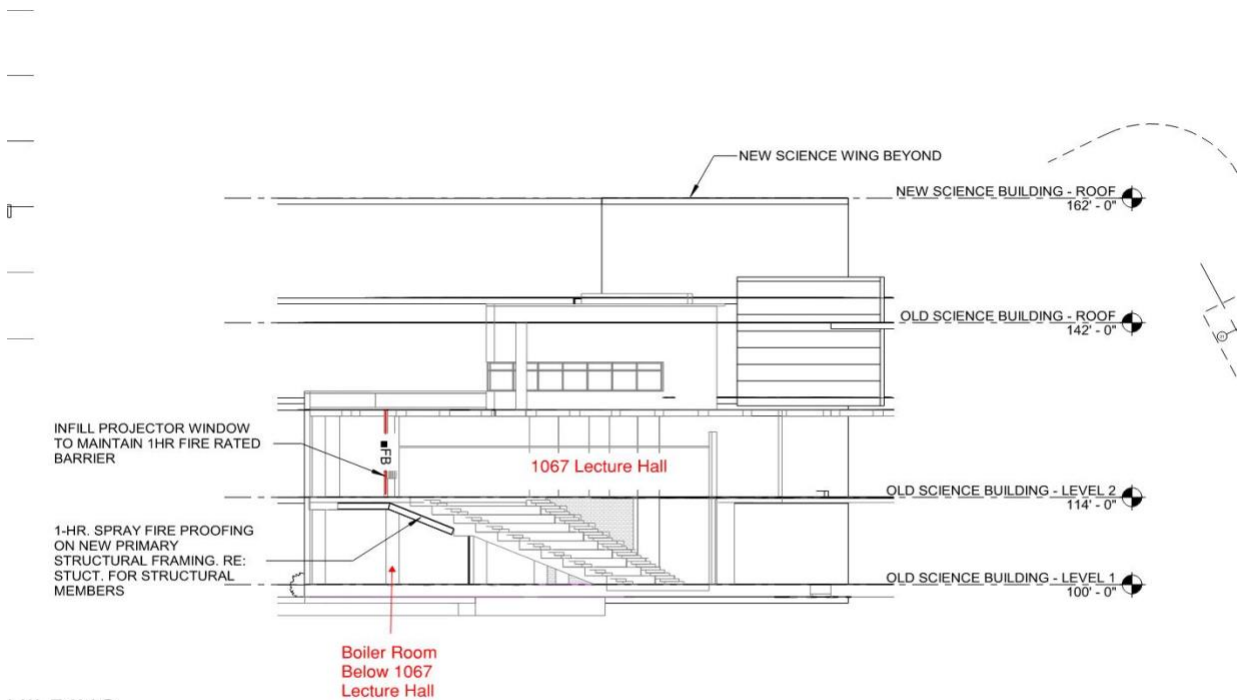
**A. This week:**

- Drywall work in boiler room
- Preparation for exterior gas line installation
- Starting May 11<sup>th</sup> – Steel work begins in the new boiler room below 1067.
- Extensive work will be occurring in the 1067 Auditorium to core ceiling for flue penetrations and related structural steel to reinforce ceiling.
- Removal of the hard ceilings in both gender neutral bathrooms for installation of HWS & HWR piping that comes out of the West Wing Mech Room. Ceilings will be put back to their original condition once piping is installed
- Ceiling in West Wing north Hallway to be demoed week of May 18

**B. Upcoming:**

- Steam demo starting June 4<sup>th</sup>

No Steam / No Heat	No Hot Water	Boiler Delivery		Hot Water Returns	Heating Sys Active	Building Complete
June 4	May 26	June 10		Aug 10	Aug 6	Sept. 29
<b>Note: Vivarium 180 degree water need will NOT be affected as hot water comes from East basement.</b>						



BUILDING -  
COMPLIANCE  
EL 01

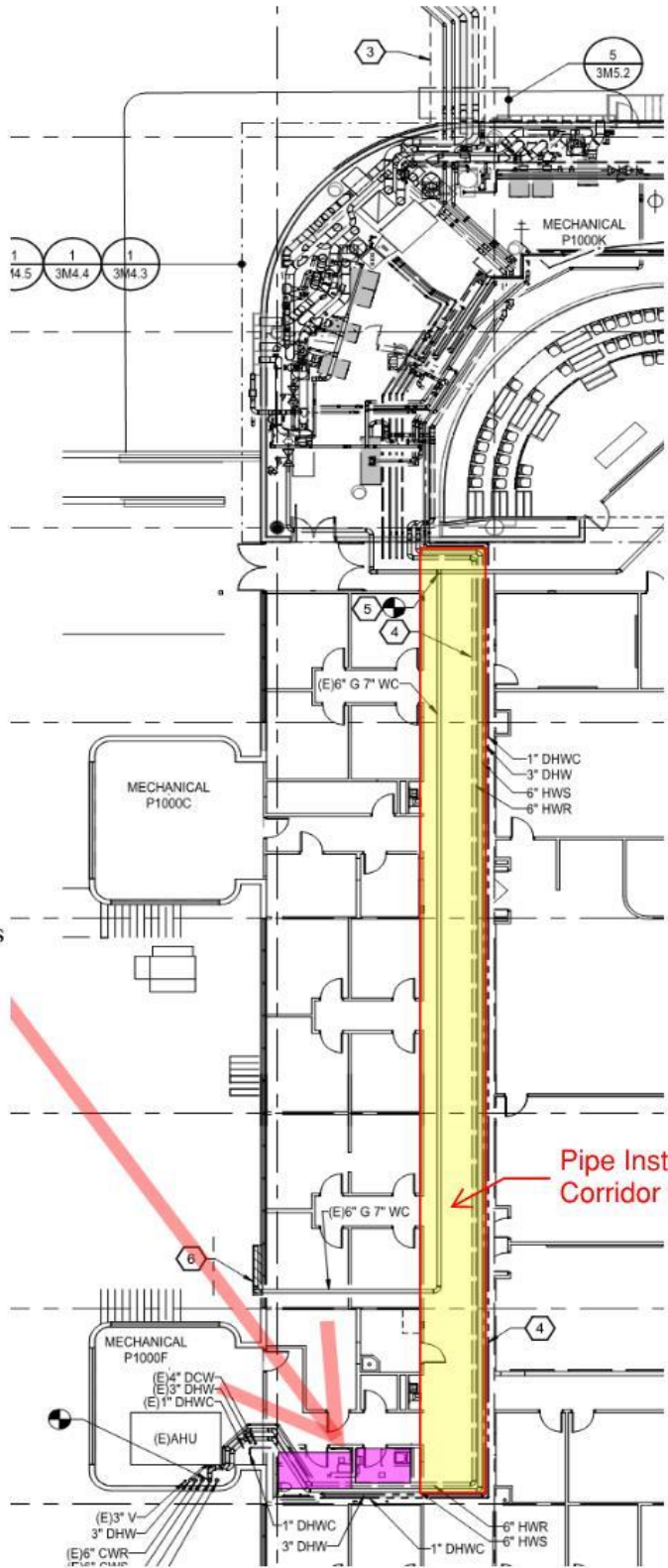
5 CODE COMPLIANCE SECTION  
1/16" = 1'-0"

ROOM - 1067A / A06;  
PROJECTION RM / P  
SCOPE:  
CONVERT PROJECT  
MECHANICAL SHAPE

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C. Impacts:

- The Science air handling unit has been shut down that provides tempered air to the 1067 Lecture Hall.
- No heat and no hot water as noted above.
- North corridor of Old Science will be under construction to allow pipe installation.
- Hot water piping from Old Science to New Science will cause the main entrance on the north side of the building to be closed for 4 weeks in June.
- Two Gender Neutral Restrooms on 1<sup>st</sup> Floor will be off line until August 7.



Gender Neutral Restrooms

Pipe Installation in  
Corridor Ceiling