

Plumb 100% To Do

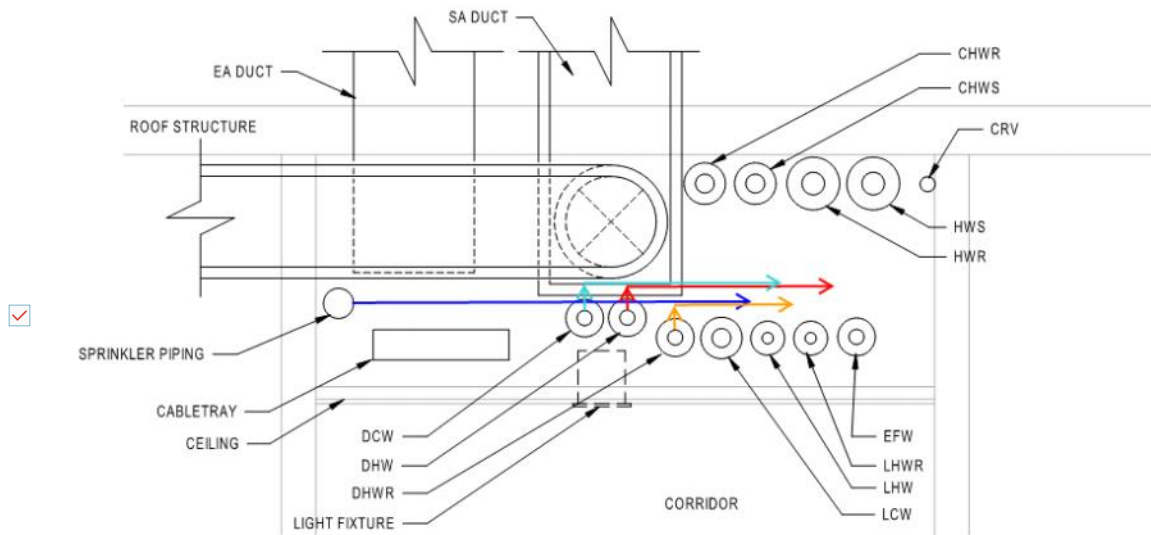
Tuesday, August 18, 2020 8:48 AM

100% submission about 10/20
Reviews about 10/5

Plumb

- ☒ 1. Confirm no HPA needed. Reselect Air compressor for highest need of 30psi? **NFG**
 - ☒ a. **NFG** I recall seeing a need for HPA. Vibration tables perhaps? are these now N2?
 - ☒ i. Autoclave lists 100 psig - **NFG**
- ☒ 2. ~~Consider separate water heater for showers and Jan closet @ south side of the building. CFR will review post 65%. Kirlin note from 2020.08.04 Meeting.~~
 - ☒ a. ~~Select gas water heater for south bathrooms/janitor.~~
 - ☒ b. ~~Giving up the HW/HWR – but what size gas line takes their place?~~
 - ☒ c. ~~N+1 system – Omar?~~
- ☐ 3. **Coordinate water filter with utility room size. NFG - DRM requirement - can it fit?**
- ☐ 4. **Stainless Steel breakroom faucet and shower heads? NFG**
 - ☐ a. **Need to get okay from HP. 9/29 - Proceeding without their consent**
- ☐ 5. **Finalize location of gas meter and coordinate civil gas routing. NFG**
 - ☒ a. **Do we really want to continue distributing at 2psi? Distribute at low pressure -**
 - ☐ b. **Needs concrete pad and coordinated with ZGF/Langan Omar**
 - ☐ c. **No gas meter, just regulator.**
- ☒ 6. **Add laboratory piping to "domestic water" and "domestic water specialties" spec. NFG/Ian**
- ☒ 7. **Change 2psi gas distribution to LP - can we PRV at the meter? YES NFG**
 - ☒ a. **NFG There is a PRV at the meter to step down from street pressure. If the desire is to only distribute inside at low pressure, we'll need 3-5" piping depending on total length etc. - Going with low pressure**
- ☒ 8. **No ceiling panels in optics labs. NFG/Adi**
 - ☒ a. **Change to wall turrets**
 - ☒ b. **Update riser diagram as well.**
 - ☒ c. **Add wall turrets to schedule - may already be scheduled - check**
- ☒ 9. **Mixing Valve detail - mixed outlet says 130F. TMV schedules say 120F. BOD says 140F. Leah**
 - ☐ a. **NFG Lab water outlet needs to be 140. Domestic needs to stay at 130. - Might not need the lab TMV at all.**
- ☐ 10. **Riser Tags – water and sanitary Adi/Ian**
- ☐ 11. **Add Area drains to storm riser, with all FCUs shown Dana - Noe assist on Monday**
- ☒ 12. **Add spec for area drains – confirm calls. Leah**
- ☐ 13. **Flesh out pipe sizes on riser diagrams - Adi/Ian**
 - ☐ a. **Main pipe lines shall have sizes but not the branches.**
- ☐ 14. **Fix gas manifold family to show up in schedule correctly. Pat**
- ☐ 15. **TMV family needs fixed. Ian**
 - ☐ a. **Fix the pipe type issue on the floor plans. Jay - what went wrong?**
- ☒ 16. **Compressed air variance – new selection NFG**
 - ☒ a. **Submit revised variance with new loads**
- ☐ 17. **East side storm penetration detail through building skin/structure - ZGF to finalize this. ZGF has developed options, expect resolution soon. 9/23 - ZGF sent sketch to NIH for review. Waiting for feedback. Need to know by 9/29. 9/29 update ZGF to send to NIH for review. Leah/Omar to confirm if we are to proceed with this based on today's email.**
 - ☐ a. ~~POU family box size and architecture shelving – ZGF where located NFG – Track under counter glasswasher location~~
 - ☐ b. ~~Water riser with POU NFG~~
 - ☐ 1. **Ceiling panel detail Leah - Noe - 8 gas outlets (of 4 types) 6 electrical outlets**
 - ☐ 2. **Revisit controls – gas manifolds? Water filter, Water Meters? NFG**
 - ☒ 3. **Submit Revised WH Variance Request. NFG**
 - ☒ 4. **Schedule EFW TMV Adi**
 - ☐ 5. **Commissioning spec - Finish NFG - boiler plate or from CxA - Jason - Emagii?**
 - ☐ 6. ~~Penthouse Roof for roof drainage – Omar – not needed now.~~
 - ☒ 7. **Key Note on plans that penthouse roofs to be drained by scuppers to first floor roof on the two/three walls that spill to roof. Adi**
- ☐ **BIMTrack Dana**
 - ☐ Issues
 - ☐ Clash detections
- ☐ **Water Heater Spec 223400. NFG**
 - ☐ Omar threw this together last minute. Need to review
 - ☐ Have Jason Eagles review Water Heater spec.
 - ☐ Do we have the combustion and vent ducts spec'd elsewhere? Add reference in 223400. **Leah - do they need to be stainless**
- ☐ **Provide highlighted PDFs of PLUMB equipment needing power to ELEC. Initial drawings. Leah**
 - ☐ New RO/DI Skid
 - ☐ Trap primers **Adi**
- ☐ **Update Criteria Compliance Log Leah**
- ☐ **Show EFW BFPs & drains NFG**
- ☒ **Adjust shower fixture for new layout with bench on exterior wall. Adi**
- ☒ **Add insulation to piping for clash detection**

- ☒ Domestic and lab cold and hot water & recirc - Ian
- ☒ Emergency fixture water
- ☒ Sanitary and storm? NFG
- ☒ Coordinate crawl space piping with new architectural stem walls. Ian / Adi - Hot item
- ☒ Meat + potatoes - Adi/Ian
- ☒ Final check - and lab gases NFG
- ☒ Coordinate corridor ceiling. Right now we cannot connect branch piping and run it out to the adjacent spaces. See markup below. Ian



11 TYPICAL CORRIDOR PIPING ELEVATION DETAIL
N.T.S

- ☒ KDB markups of pipe clashes with structural Jay
- ☒ Floor drains to floor sinks for humidifier drains. Leah
- ☐ DTR Comments for Friday, mark yellow all comments that have been picked up.
 - ☐ Gas piping penetration detail, crawl space to lab.
 - ☐ CA and VP piping and vibration isolation details.
 - ☐ CA and VP isolation
 - ☐ Coordinate ES locations with ZGF
- ☒ Option for ROS/ROR - more VTR of CRV piping and route ROS in upper right location.
- ☒ Review set may slip a couple days - DTR comments not in yet. OM
- ☒ Squig off FP BFP, don't show on plumbing Leah
- ☒ Relocate FD in trap door in Jan Room - remove FD altogether Leah
- ☒ Move back to skid based Pure water - NFG
 - ☒ TOC 50, 4meg ohm
 - ☐ Specs
 - ☐ Controls
 - ☒ PID
 - ☐ Selection
 - ☒ Sent
 - ☐ received
 - ☒ Model
 - ☐ Piping
 - ☒ Variance request diagram NFG
 - ☒ Direction: OM
 - ☒ 1) Are we proposing strict DRM compliance?
 - ☒ 2) Going with what is shown at 35%
- ☐ Expansion loops for domestic hw, lab hw, recirc dhwr, recirc lhw Kevin