Addendum #2

Date: 8/15/19

Questions and Answers 1/1

1. *Plan E 6.1 is calling out for 1 data port for the WAP's however on E 8.2 the one line is calling out for 2 data jacks/cables per WAP. I do not see any mention of clarification within the spec. Could you please clarify what is needed for the project.*
   a. **Answer: Only one data port is required for each WAP, as indicated on Sheet E6.1.**
2. *During the site walk on 08-05-2019 the floor penetrations for room 315 and room 318 were discussed on pulling down the LV data in to the open convention space. When asked how the cabling will be brought back up in to the office space to then pull down the hall to the server room, the arch did not know, nor is a floor penetration is shown on E 6.1 to bring the cabling back up in the third floor space. The other option is to pull though the open convention hall space to the server room. Could you provide direction as to how you envision the cabling from the floor penetrations for room 315 and room 318?*
   a. **Answer: Revise Flag Note 15 to Flag Note 16, route cabling from 3rd floor ceiling space through conduit to 2nd floor ceiling space. Use poke-thru locations in 315 and 318 to route cabling back up to furniture.**
3. *Is the AV rack to be also removed as part of the demo and saved or demo'd? Please confirm as all I see is the data jacks to be pulled out on page E1.1 section 2.*
   a. **Answer: AV rack shall be demolished.**
4. *Please confirm that all the LV data cabling that is to be removed as part of ED 101.2 from the work outlet to the patch panel in either the server room, or the AV rack.*
   a. **Answer: All telecommunications cabling noted to be demolished on sheet ED1.1 shall be removed regardless of destination.**
5. *During the walk around room 315 I noticed that there is existing 18" cable tray in the ceiling. Do you have a record of the existing cable tray that is currently installed in the office space? See photo*
   a. **Answer: No record of existing cable tray.**
6. *During the walk we were shown the existing server room that is in room 323 on E6.1 the request stated by the end user and or the architect was that all this hardware needs to be re-located to the server room. It was also brought up that the cabling from the PBX on the first floor runs through here and serves this floor and possible the floor above. Could we have additional details and requirements regarding the moving of the hardware, and does any cabling need to be abated. If the cabling does need to be abated, how far does it need to be pulled back to?*
   a. **Answer: Contractor shall relocate equipment to Server room 632 and demolish cabling in its entirety. Provide Category 3 50-pair cabling for PBX on the first floor back to the original source on the forth floor, assume 500' in length, terminate on existing hardware.**
7. *During the walk we looked down the hall from the office space towards the server room. On page E1.1 note 1 is calling out for j-hooks every 4' to support the LV cabling. Based on*

the provided photo it appears there is no room to add additional j-hooks to support 78 CAT6 cables plus the 1" innerduct between the AV rack and the server room. In order to support that amount of cabling, either 3 - 2" J-hooks will need to be installed or 1 3" for the copper and 1 1 5/16" for the innerduct. Either way, due to the existing conduits in the ceiling I do not see how we can install and pull with the lack of space. Could you please confirm that this is the pathway and confirm that there is able space to work and pull the cabling in and install the hooks with the existing conduit in place? The existing cabling is zip tied to the all thread from the ceiling; however the all thread is in place to support the conduit is set up every 5'-8' not the 4' that is required. See photo
   a. **Answer: J-hooks shall be attached to wall as high as possible so cabling will remain above lighting fixture. Contractor shall determine optimal J-hook sizing and configuration.**

8. *During the walk we looked at the server room. E1.1 note 2 requires that 1 MM fiber adapter panel is to be provided and installed to the existing Leviton rack mount fiber cabinet. We only saw 1 4" 12 port Ortronics fiber optic cabinet and all the ports were pull with SC bulkheads. Could you please confirm that there is a Leviton fiber cabinet in the server rack and that it has 1 open port to support 1 MM fiber bulk head. If there is no room could you confirm that we need to include a new rack mount fiber cabinet and if it would be 1U, 2U or 4U as part of this project.*
   a. **Answer: The "server room 2" photo depicts an existing Leviton rack mount fiber cabinet. There is available space for an additional MM fiber adapter panel to be installed in this cabinet.**

9. *During the walk we looked at the server room. E 1.1 note 3 requires that 2 48 port patch panels are to be provided and installed in the server room in to the existing racks. When looking at the racks there is very limited room, maybe no room to install 4U of patch panels, and possibly the horizontal cable mangers that may or may not be required. Could you confirm that there is space, or that space will be made for us as part of the project?*
   a. **Answer: See "server room 2" photo. Beneath the existing rack mount fiber cabinet there is room for patch panels.**

10. *During the walk we looked at the server room. Could someone provide a rack diagram of where the new LIU (if needed see question 7) the 2 48 port patch panels, the possible horizontal cable mangers and the hardware from the existing server rack will fit in to the existing server racks within the server room. The concern is that there is not enough room to fit it all.*
    a. **Answer: See answers to questions 8 & 9.**