**Queries regarding Chamberlin 2103 Upgrade 6/26/14**

**Query 1: Crestron TPC at tables**

Current signal connections:

Table 3 Table 2 Table 1 Lectern

 Video 1

 Video 2

Tri-monitor

 2xDM-TX-200-C-2G-B-T (14)

 Video 1

 Video 2

 Video 3

 2xDM-TX-200-C-2G-B-T (14)

 Video 1

 Video 2

 Video 3

 2xDM-TX-200-C-2G-B-T (14)

 Video 1

 Video 2

 Video 3

 2xDM-TX-201-C (15)

Crestron TPC

 Video 1

 Video 2

Tri-monitor

 2xDM-TX-200-C-2G-B-T (14)

 Crestron TPC

 Video 1

 Video 2

 Video 3

 2xDM-TX-200-C-2G-B-T (14)

 Crestron TPC

 Video 1

 Video 2

 Video 3

 2xDM-TX-200-C-2G-B-T (14)

Crestron TPC

 Video 1

 Video 2

 Video 3

 2xDM-TX-201-C (15)

Crestron TPC

 Video 1

 Video 2

 Video 3

 Graphics 1

 Graphics 2

 Crestron TPC

 Graphics 1

 Graphics 2

 Graphics 3

 Crestron TPC

 Video 1

 Video 2

Tri-monitor

 Graphics 1

 Graphics 2

 Crestron TPC

 Video 1

 Video 2

 Video 3

 Graphics 1

 Graphics 2

 Crestron TPC

 Video 1

 Video 2

 Video 3

Desired signal connections:

Table 3 Table 2 Table 1 Lectern

Apparent current plan of upgrade:

Table 3 Table 2 Table 1 Lectern

Discussion of the above information:

The current signal connections allow the Crestron Touch Pad Control (TPC) to be moved between the Lectern, Table 1, Table 2, or Table 3 as the presenter chooses.

We understand that AVI has proposed to use 6 Crestron DM-TX-200-C-2G-B-T wall plates (item 14 in Scope and Quote document of 4/30/14) to replace the graphics inputs, and to install 2 at each table.

This appears to reduce our functionality in the following way:

**no Crestron TPC at tables (presenter cannot choose to move TPC to tables).**

**Do we need to add:**

**--3 additional TPMC-V-IMCW and 3 additional V-CBL-S6-B (item 20)?**

**--1 additional DMCO-55 (item 9)?**

**Query 2: Inputs for new digital cameras**

The upgrade includes 2 new digital cameras (item 24 in Scope and Quote document of 4/30/14, Vaddio PowerVIEW HD-30 PTZ ). From meeting on 6/18/14, we understand camera output will flow through CAT-5 wiring.

We understand that all digital inputs to the new digital router (item 6, Crestron DM-MD32X32 32x32 digital media switcher) will be routed through the input card listed in item 7 (Crestron DMC-C DigitalMedia 8G+input card).

There are 8 of these input cards (item 7) listed in the quote. We understand these are associated with the 8 digital inputs mentioned in query 1 (ie the 6 Crestron DM-TX-200-C-2G-B-T wall plates used at the Tables, and the 2 2xDM-TX-201-C transmitters used on the Lectern, items 14 and 15).

**This appears to leave no inputs for the new digital cameras. Do we need 2 additional input cards (Crestron DMC-C DigitalMedia 8G+ input card), thus raising the Qty in item 7 from 8 to 10?**

**Query 3: We don’t understand purpose of item 26 (Crestron DMC-DVI, DVI/RGB input card for DM Switchers). Please advise.** (note: items 26 and 8 are the same)

**Query 4: We understood that item 19 (Allied Telesis AT-FS708-POE Data Switch) would be removed (because it is not necessary). Please advise.**

**Query 5: functionality of unused HDMI outputs**

We understand that both the input and the output cards (eg items 8, 9, 10, 12, 13) have HDMI outputs that are not used in AVI’s design.

**Can we tap into these HDMI outputs without interfering with signal flow?**

**Query 6: Control Room Bridges**

We understand that item 8 (Crestron DMC-DVI input cards) will be used for signals flowing from 2237 to 2103 (Control Room Bridges 1, 2, and 3). However, the Control Room Bridge cables have VGA connectors.

**Should not item 8 be DMC-VGA instead of DMC-DVI?** (note items 26 and 8 aresame)

**Query 7: Item 10**

We understand that the four outputs of item 10 (Crestron 4 HDMI w/4 Stereo Analog Audio Output Card) will be used as follows:

--one channel of HDMI-associated audio sent to the Audia mixer that physics already has

--the other three channels of audio and video replace three Tie Lines (signals flowing from 2103 to 2237). **Please confirm.**