AudioVisual Solutions Proposal For

Fulton County

Project D - Fairburn - Audio-Visual

AVI SPL®

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Proposal No: 397669-3

Small Meeting Rooms - Revision 1

Project Overview

This includes implementing ZOOM and Teams collaboration into the small huddle type rooms. The following is the proposed solution:

- Provide and install a 55” wall mounted display.
- Provide a Zoom device for initiating Zoom calls.
- Provide and install an all in one meeting bar that includes the Camera, Microphones, Speakers and UC engine.
- Provide and install a color touch controller to control the system and Join calls.
- This system can be connected to the customers Email system for inviting room to a meeting for the one touch join experience.
- This system will also allow the user to switch between Zoom and Teams if needed. (Not mid call).
- We will also provide a cable on the table for laptop connections that want to use Webex
- A power conditioner will be provided and installed behind the display to protect the system devices.
- System training will be provided.
- A cable cubby with power has been proposed to be installed by the furniture manufacturer.
- The customer will provide table, Power, Network connections and cable Paths if required.

Small Room Type

Applies to: 1064 and 1007

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

- 1, 55” flat panel display(s) for displaying video content within the space.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

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Audio

The following audio devices will be integrated into the system:

- An all-in-one type, multifunction soundbar with integrated speakers and microphone will support playback and conferencing audio. The soundbar will be located below the display. The soundbar will be black in color.

Conferencing

The following conferencing devices will be integrated into the system:

- A Zoom video appliance will register to the Customer's Zoom cloud environment. All audio and video conferencing operations will be managed by this device. Available features will depend on system licensing options provided by the Customer.
- A multifunction soundbar with integrated high-definition camera mounted below the display.
- The customer will provide network connection behind the display for connecting the device.

Equipment Rack and Accessories

Equipment will be installed in the following locations:

- All equipment will be mounted on the wall below the display or on the table.

Miscellaneous

- A cable cubby will be provided by AVI-SPL but installed by the furniture vendor.
- It will have cable management and a plug to plug into the customer provided power outlet under the table.

Control System and Accessories

- Control will be from the Yealink CTP-18 control touch panel located on the table.

Software Licenses and Service Accounts

Supervised or direct access to systems must be provided as needed for a properly provisioned and licensed account where appropriate. Examples include Zoom Rooms activation codes, Microsoft Teams accounts, calendar service account, and more.

- The customer may decide not to provide credentials to AVI-SPL, and to provision the installed hardware themselves. In this case AVI-SPL will be unable to fully test the system before receiving sign-off for the installation. All system components will be tested individually to ensure proper stand-alone function, and project sign-off will be requested before technicians leave site.
- If AVI-SPL is unable to properly commission and test the system at the time of installation due to issues with access, an additional site visit may be required. Any additional visits will be billed at the standard contracted labor rate, provided Customer is at fault and approves additional cost in advanced and in writing, scheduling will be done on a best effort basis.

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Scope of Work - Medium Meeting Rooms - Type 1 - Revision 1

Project Overview

This includes implementing ZOOM and Teams collaboration into the Medium type rooms. The following is the proposed solution:

- Provide and install a 55” wall mounted display.
- Provide a Zoom device for initiating Zoom calls.
- Provide and install an all in one meeting bar that includes the Camera, Microphones, Speakers and UC engine.
- Provide and install a color touch controller to control the system and Join calls.
- This system can be connected to the customers Email system for inviting room to a meeting for the one touch join experience.
- This system will also allow the user to switch between Zoom and Teams if needed. (Not mid call).
- We will also provide a cable on the table for laptop connections that want to use Webex. The camera and room audio will be sent to the laptop at the table.
- A power conditioner will be provided and installed behind the display to protect the system devices.
- System training will be provided.
- A cable cubby with power has been proposed to be installed by the furniture manufacturer.
- The customer will provide table, Power, Network connections and cable Paths if required.

Medium Room Type (1)

Applies to: 1027, 1029, 1030 and 1031

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

- 1, 55” flat panel display(s) for displaying video content within the space.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

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Audio

The following audio devices will be integrated into the system:

- An all-in-one type, multifunction soundbar with integrated speakers and microphone will support playback and conferencing audio. The soundbar will be located below the display. The soundbar will be black in color.

Conferencing

The following conferencing devices will be integrated into the system:

- A Zoom video appliance will register to the Customer's Zoom cloud environment. All audio and video conferencing operations will be managed by this device. Available features will depend on system licensing options provided by the Customer.
- A multifunction soundbar with integrated high-definition camera mounted below the display.
- The customer will provide network connection behind the display for connecting the device.

Equipment Rack and Accessories

Equipment will be installed in the following locations:

- All equipment will be mounted on the wall below the display or on the table.

Miscellaneous

- A cable cubby will be provided by AVI-SPL but installed by the furniture vendor.
- It will have cable management and a plug to plug into the customer provided power outlet under the table.

Control System and Accessories

- Control will be from the Yealink CTP-18 control touch panel located on the table.

Software Licenses and Service Accounts

Supervised or direct access to systems must be provided as needed for a properly provisioned and licensed account where appropriate. Examples include Zoom Rooms activation codes, Microsoft Teams accounts, calendar service account, and more.

- The customer may decide not to provide credentials to AVI-SPL, and to provision the installed hardware themselves. In this case AVI-SPL will be unable to fully test the system before receiving sign-off for the installation. All system components will be tested individually to ensure proper stand-alone function, and project sign-off will be requested before technicians leave site.
- If AVI-SPL is unable to properly commission and test the system at the time of installation due to issues with access, an additional site visit may be required. Any additional visits will be billed at the standard contracted labor rate, provided Customer is at fault and approves additional cost in advanced and in writing, scheduling will be done on a best effort basis.

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Scope of Work - Medium Rooms - Type 2 Rev 1

Project Overview

This includes implementing ZOOM and Teams collaboration into the Medium type rooms. The following is the proposed solution: These rooms are a little larger than the other medium rooms so a larger display and modified solution was provided.

- Provide and install a 75” wall mounted display.
- Provide a Zoom device for initiating Zoom calls.
- Provide and install an all in one meeting bar that includes the Camera, Microphones, Speakers and UC engine.
- Provide and install a color touch controller to control the system and Join calls.
- This system can be connected to the customers Email system for inviting room to a meeting for the one touch join experience.
- This system will also allow the user to switch between Zoom and Teams if needed. (Not mid call).
- We will also provide a cable on the table for laptop connections that want to use Webex. The camera and room audio will be sent to the laptop at the table.
- A power conditioner will be provided and installed behind the display to protect the system devices.
- System training will be provided.
- A cable cubby with power has been proposed to be installed by the furniture manufacturer.
- The customer will provide table, Power, Network connections and cable Paths if required.
- AVI-SPL will provide and install over the carpet floor track to get cables to the cables from the table to the display location.

Medium Room Type (2)

Applies to: 1052 and 1064

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

- 1, 75” flat panel display(s) for displaying video content within the space.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

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Audio

The following audio devices will be integrated into the system:

- An all-in-one type, multifunction soundbar with integrated speakers and microphone will support playback and conferencing audio. The soundbar will be located below the display. The soundbar will be black in color.

Conferencing

The following conferencing devices will be integrated into the system:

- A Zoom video appliance will register to the Customer's Zoom cloud environment. All audio and video conferencing operations will be managed by this device. Available features will depend on system licensing options provided by the Customer.
- A multifunction soundbar with integrated high-definition camera mounted below the display.
- The customer will provide network connection behind the display for connecting the device.

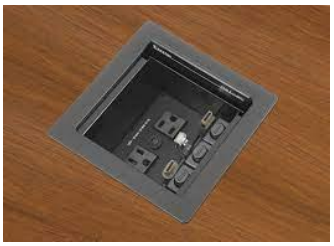
Equipment Rack and Accessories

Equipment will be installed in the following locations:

- All equipment will be mounted on the wall below the display or on the table.

Miscellaneous

- A cable cubby will be provided by AVI-SPL but installed by the furniture vendor.
- It will have cable management and a plug to plug into the customer provided power outlet under the table.



- Over the carpet Floor track will be provided and installed by AVI-SPL to get cables from the table to the display location for the controller panel. It will be slate in color. We are proposing 8' but each room may vary depending on table location.

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Control System and Accessories

- Control will be from the Yealink CTP-18 control touch panel located on the table.

Software Licenses and Service Accounts

Supervised or direct access to systems must be provided as needed for a properly provisioned and licensed account where appropriate. Examples include Zoom Rooms activation codes, Microsoft Teams accounts, calendar service account, and more.

- The customer may decide not to provide credentials to AVI-SPL, and to provision the installed hardware themselves. In this case AVI-SPL will be unable to fully test the system before receiving sign-off for the installation. All system components will be tested individually to ensure proper stand-alone function, and project sign-off will be requested before technicians leave site.
- If AVI-SPL is unable to properly commission and test the system at the time of installation due to issues with access, an additional site visit may be required. Any additional visits will be billed at the standard contracted labor rate, provided Customer is at fault and approves additional cost in advanced and in writing, scheduling will be done on a best effort basis.

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Scope of Work - Large Conference Rooms

Project Overview

This includes implementing ZOOM and Teams collaboration into the large type rooms. These rooms are a little larger than the medium rooms so a larger display and modified solution is provided:

- Provide and install an 85” wall mounted display.
- Provide a Zoom device for initiating Zoom calls.
- Provide and install a wall mounted camera.
- Provide and install a color touch controller to control the system and Join calls.
- This system can be connected to the customers Email system for inviting room to a meeting for the one touch join experience.
- We will also provide a cable on the table for laptop connections that want to use Teams or Webex. The camera and room audio will be sent to the laptop at the table.
- Provide a wall mounted speaker/microphone array bar for audio support.
- A power conditioner will be provided and installed behind the display to protect the system devices.
- System training will be provided.
- A cable cubby with power has been proposed to be installed by the furniture manufacturer.
- The customer will provide table, power, network connections and cable paths if required.
- AVI-SPL will provide and install over the carpet floor track to get cables to the display location.

Large Room Type (3)

Applies to: 1028, 1032 and 1086

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

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Display(s)

The following display devices will be integrated into the system:

- 1, 85” flat panel display(s) for displaying video content within the space.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

Audio

The following audio devices will be integrated into the system:

- A wall mounted speaker / Microphone Array bar will be mounted above the display per manufacturers recommended mounting height and will support playback of program and conferencing audio. This device will cover a 25’ x 25’ room with quality audio. It will connect back to the Yealink system for conferencing audio. It is also Zoom and Teams Certified. It will be white in color.

Conferencing

The following conferencing devices will be integrated into the system:

- A Zoom video appliance will register to the Customer’s Zoom cloud environment. All audio and video conferencing operations will be managed by this device. Available features will depend on system licensing options provided by the Customer.
- A high definition auto tracking camera will be provided and mounted below the display for capturing the meeting participants.
- The customer will provide network connection behind the display for connecting the device.
- A BYOD connection will be provided at the table for user laptops to connect to using Teams or WebEx.

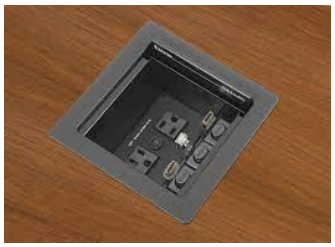
Equipment Rack and Accessories

Equipment will be installed in the following locations:

- All equipment will be mounted behind the display or on the table.

Miscellaneous

- A cable cubby will be provided by AVI-SPL but installed by the furniture vendor.
- It will have cable management and a plug to plug into the customer provided power outlet under the table.



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- Over the carpet Floor track will be provided and installed by AVI-SPL to get cables from the table to the display location for the BYOD and controller panel. It will be slate in color. We are proposing 8’ but each room may vary depending on table location.

Control System and Accessories

- Control will be from the Yealink Mtouch color control touch panel located on the table.

Note:

Any power requirements at the table will be provided by others.

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Scope of Work - Divisible Training Rooms – Revision 1

Project Overview

This revision was done to eliminate the need for hanging any devices from the structure which is 35 feet above the drop tile ceiling. Previous proposal had ceiling mounted projectors, screens, ceiling speakers and any cabling support that by code must be connected to structure, will now be wall mounted displays and speakers. Cabling will be run using cable support J-Hooks mounted to the wall above the drop tile ceiling. The speakers will now be wall mounted line array speakers. We proposed the largest single display while trying to be budget conscious.

These rooms are two way divisible rooms, meaning that each room can operate individually or you can combine the two rooms into a single larger room to hold more participants. These rooms are presentation only (no Web Conferencing). The configuration of the rooms will be from either of the wall mounted control panels in the rooms. Once the rooms are combined the wall panel in the other room will go to a blank page until the rooms are separated. (We could do this automatically with air wall sensors but it would be additional costs). When the rooms are separated, each room can present to the associated wall mounted display from a laptop at the lectern, either connected hardwired to a wall plate or wirelessly using the associated Barco Clickshare. The video and audio will be seen and heard only in the associated room.

When the two rooms are combined, then the room that configured the rooms will be the source room. You can present from the Laptop at the lectern hardwire or wirelessly. The associated video will be seen on both displays and the associated audio will be heard in both rooms

Each room will also have a Lectern mounted gooseneck microphone and a wireless lapel microphone. These will be heard in the associated room(s) depending on room configuration. When the rooms are combined, all microphones will be available for use.

Once the rooms are separated from the touch panel, they will then be individual training rooms.

These rooms share some equipment. All supporting equipment will be mounted in a small furniture grade (black) equipment rack to be located in the front corner of one of the two rooms (exact location TBD). This location will require power for the equipment in the rack and conduit stubs above drop tile ceiling. There will also be a requirement for power and conduit stubs for each room's display.

These rooms are for presentation only (No Web Conferencing)

Divisible Training rooms (3)

Applies to: 1036/1037, 1038/1039 and 1041/1042

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

- 1, 100" diagonal flat panel display for displaying video content will be mounted (1) per room.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

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- A surge protector will be provided for each display.
- Any wall modifications for wood backing, power and cable stubs above the drop tile ceiling will be provided by others.
- The assigned AVI-SPL engineer will provide elevations showing locations and requirements for backing, power and conduit.

Video

- A video matrix switcher located in the equipment rack. The matrix switcher will route all video signals and embedded audio to each system based on room configuration. This device will be shared between the two rooms.
- When in combined mode, each room will display the same image.
- Sources will be a laptop HDMI wall plate located near the lectern or the Barco Clickshare wireless device.

Audio

The following audio devices will be integrated into the system: (per room)

- The following microphone(s) will be used to provide speech audio to the room for voice reinforcement.
  - 1 Lavalier wireless microphone(s). The microphone(s) will be black in color.
  - 1 Gooseneck wired microphone mounted in the lectern. The microphone will be black in color.
- Each room will get (2) JBL wall mounted column array speakers for audio support. White in color.
- To be mounted on the front wall.

- Rack mounted amplifiers will be provided to power the speakers.

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Equipment Rack and Accessories

Equipment will be installed in the following locations:

- A free-standing equipment rack will house all racked equipment. The rack will be located in the front corner of one of the rooms (Exact location TBD). The equipment rack will be free-standing with casters and will be black in color (other colors are available).
    - AVI-SPL shall provide power requirements at the rack location and cable pathways as required.
    - A power conditioner or surge protector will be installed in the A/V rack to protect all racked equipment.

Miscellaneous Furniture

- A Lectern will be provided for instructor to place laptop for classes. It will consist of a shelf, 18” wired gooseneck microphone and a cable cubby for wire management.
- The finish color is TBD (shown in Cherry).

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- Includes a sliding shelf
- There will be a wall plate located near the lectern for microphone connection.

Control System and Accessories

A control processor will be installed to enable various functions throughout the system. Please refer to the Software Integration section for more detailed information about system control.

- The control processor is built into the matrix switcher and will be located in the equipment rack.
- A wired touch screen interface with a 10” screen size will be located on the wall in each room. The touch screen will be black in color.
- Exact location TBD.

Control System functionality: To include but not limited to the following.

- Room configuration: Separate or Combine – Configures the room so that the video and audio is routed accordingly.
- System Power. Turns associated system ON/OFF – Turns ON/OFF associated display(s). Defaults to the Barco Clickshare input as a default source on power on.
- Source selection – Laptop (Wired HDMI input) or Barco Clickshare.
- Room volume control for audio and also microphone volume for Gooseneck and wireless Lapel mic(s).
- When the rooms are combined, the panel that did the combining will be the Master panel and the associated laptop input and Barco Clickshare will be the associated sources.
- The assigned programmer will provide a GUI layout of what the control panels will look like and discuss any functionality as required.

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Scope of Work - Single Training Rooms -Revision 1

Project Overview

This revision was done to eliminate the need for hanging any devices from the deck structure, which is 35 feet above the drop tile ceiling. Previous proposal had ceiling mounted projectors, screens, ceiling speakers and any cabling support that by code must be connected to structure, will now be wall mounted displays and speakers. Cabling will be run using cable support J-Hooks mounted to the wall above the drop tile ceiling. The speakers will now be wall mounted line array speakers. We proposed the largest single display while trying to be budget conscious.

These two rooms are based on the same equipment and functionality that was used in the divisible training rooms to keep cost down. They share equipment like the divisible rooms but cannot share images and audio. These two rooms will work independently of each other.

These rooms are presentation only (No Web Conferencing).

Each room will have the following:

- A Wall Mounted 100" Diagonal display.
- A lectern mounted gooseneck microphone with wall plate connection.
- A wireless lapel microphone.
- 2 ceiling speakers.
- A wall mounted control panel.
- A Barco Clickshare for wireless presentation.
- All supporting equipment will be mounted in a small furniture grade (black) equipment rack to be located in the front corner of one of the two rooms (exact location TBD). This location will require power for the equipment in the rack and conduit stubs above drop tile ceiling. There will also be a requirement for power and conduit stubs for each room's display.

Single Training rooms (2)

Applies to: 1043/1044

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

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- 1, 100” diagonal flat panel display for displaying video content will be mounted (1) per room.
    - Display(s) will be wall mounted in the location(s) specified in the project drawing package.

    - A surge protector will be provided for each display.
    - Any wall modifications for wood backing, power and cable stubs above the drop tile ceiling will be provided by others.
    - The assigned AVI-SPL engineer will provide elevations showing locations and requirements for backing, power and conduit.

Video

- A video matrix switcher located in the equipment rack. This matrix switcher will route all video signals and embedded audio to each room independently. This device will be shared between the two rooms.
- Sources will be a laptop HDMI wall plate located near the lectern or the Barco Clickshare wireless device.

Audio

The following audio devices will be integrated into the system: (per room)

- The following microphone(s) will be used to provide speech audio to the room for local voice reinforcement.
    - 1 Lavalier wireless microphone(s). The microphone(s) will be black in color.
    - 1 Gooseneck wired microphone mounted in the lectern. The microphone will be black in color.
- Each room will get (2) JBL wall mounted column array speakers for audio support. White in color.
- To be mounted on the front wall.

- Rack mounted amplifiers will be provided to power the speakers.

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Equipment Rack and Accessories

Equipment will be installed in the following locations:

- A free-standing equipment rack will house all racked equipment. The rack will be located in the front corner of one of the rooms (Exact location TBD). The equipment rack will be free-standing with casters and will be black in color (other colors are available).
    - AVI-SPL shall provide power requirements at the rack location and cable pathways as required.
    - A power conditioner or surge protector will be installed in the A/V rack to protect all racked equipment.

Miscellaneous Furniture

- A Lectern will be provided for instructor to place laptop for classes. It will consist of a shelf, 18” wired gooseneck microphone and a cable cubby for wire management.
- The finish color is TBD (shown in Cherry).

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- Includes a sliding shelf
- There will be a wall plate located near the lectern for microphone connection.

Control System and Accessories

A control processor will be installed to enable various functions throughout the system. Please refer to the Software Integration section for more detailed information about system control.

- The control processor is built into the matrix switcher and will be located in the equipment rack.
- A wired touch screen interface with a 10” screen size will be located on the wall in each room. The touch screen will be black in color.
- Exact location TBD.

Control System functionality: To include but not limited to the following.

- System Power – Turns ON/OFF the associated room’s display. Defaults to the Barco Clickshare input as a default.
- Source selection – Laptop (Wired HDMI input) or Barco Clickshare.
- Room volume control for audio and also microphone volume for Gooseneck and wireless Lapel mic.
- The assigned programmer will provide a GUI layout of what the control panels will look like and discuss any functionality as required.

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Scope of Work – Boardroom Revision 1

Project Overview

This revision was done to eliminate the need for hanging any devices from the structure which is 35 feet above the drop tile ceiling. Previous proposal had ceiling mounted microphones, ceiling mounted cameras, ceiling speakers and any cabling support that by code must be connected to structure, will now be wall mounted displays and speakers, a table discussion system and wireless microphones. Cabling will be ran using cable support J-Hooks mounted to the walls above the drop tile ceiling. The speakers will now be wall mounted array speakers located around the room.

The Boardroom will be used for Presentation meetings and also for BYOM Conferencing using a Barco Clickshare CX50 conferencing unit. This will allow a laptop user in the room to connect to the Clickshare and have the room cameras and room audio sent to the laptop for the connected Zoom, TEAMS or Webex call wirelessly.

The furniture in this room will be reconfigurable so this solution takes that into consideration. Due to the size of this room, the video displays will not meet the recommended farthest viewer distances. To overcome this the customer will stream the presentation video and users in the room will view on iPad. Note there will be some delay from the images on the four screens in the room and the iPads, depending on the customers network bandwidth.

The design of this system was to give the customer the requested functionality with future expandability.

The system will include the following:

- (2) 100” displays mounted on the front and rear walls.
- (2) 85” display mounted on the Plan North and South walls about mid room. Depending on column structure.
- (4) wall mounted high definition cameras will be used for conferencing and also will be fed via SDI back to the customers control room so they can stream the images via streaming equipment provided by others (for example, FCTV).
- A 10 station discussion microphone/speaker system will be provided for use when the U shaped meetings are held. This audio will also be available via analog and a Dante Feed to the control room. This system also has the ability to do voting with additional software license if needed.
- A 3 bay Credenza has been proposed to house the supporting AV equipment. The finish is TBD. Power will be required at this location along with conduit stubs above drop tile ceiling. The exact location of the credenza is TBD.
- A Podium has also been proposed for participants to speak from using a wireless microphone on a stand.
- A wireless microphone system with a lapel mic and a handheld microphone.
- 6 wall mounted speakers and (2) wall mounted subs (front and rear).
- A control system with a 10” wall mounted control touch panel and also the ability to control from an iPad.

Boardroom

Applies to: Room 1016

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

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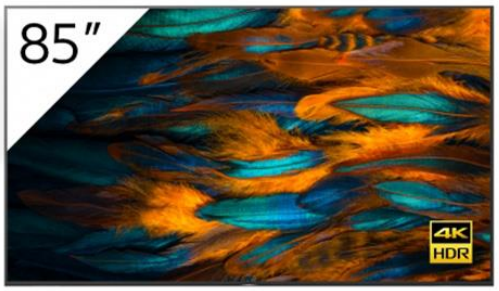
Display(s)

The following display devices will be integrated into the system:

- 2, 100” flat panel display(s) for displaying video content within the space.

  - These will; be mounted on the front and rear walls.
  - A surge protector will be provided for each display.
  - Any wall modifications for wood backing, power and cable stubs above the drop tile ceiling will be provided by others.
  - The assigned AVI-SPL engineer will provide elevations showing locations and requirements for backing, power and conduit.

- 2, 85” flat panel display(s) for displaying video content within the space.



  - The Display(s) will be wall mounted on the plan North and South walls depending on wall structures
  - Any wall modifications for wood backing, power and cable stubs above the drop tile ceiling will be provided by others.
  - The assigned AVI-SPL engineer will provide elevations showing locations and requirements for backing, power and conduit.

Video

- A video matrix switcher located in the equipment rack in the credenza. The matrix switcher will route all video signals and embedded audio to each display. All displays will show the same image.
- A Customer provided laptop will connect to the Barco Clickshare CX-50 for wireless presentation or WEB conferencing.

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Audio

The following audio devices will be integrated into the system: (per room)

- Microphones will support in room speech reinforcement from the podium for participants to the meeting.
- These microphones can also be used for web conferencing and for streaming from the control room system.
- conferencing, audience questioning and other system features.
    - 1 Handheld wireless microphone and 1 Lapel microphone system. Note that they cannot be used simultaneously.

- A Televic wired discussion microphone system has been proposed to be used when the room is configured for the U shaped table meetings. There will be a network connection wall plate to connect the first station to. The other stations just daisy-chain together.

- These units also have built in speakers so the users can hear as well.
- There is an additional software license that would allow these units to do voting if needed.
- This unit also allows recording if needed. Additional setup may be required depending on location of recording storage.
- The audio output of this device would feed the DSP for use in Web conferencing and to the control room for streaming.
- An Innovox speaker system has been proposed for this room in place of ceiling speakers. This system will include the following.
- (2) front wall mounted array speakers. Dimensions (24x2x2) HxWxD. They come in white or black. (we have proposed white)

(4) side wall mounted speakers. Dimensions 12x2x2 (HxWxD). There would be two on each side wall of the room. Also black or White.

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(2) Small compact wall mounted sub-woofer (dimensions 21x14x4 HxWxD). One mounted in the front of the room and one in the rear of the room. Also black or white.

Conferencing

- A Barco Clickshare CX-50 Wireless conferencing unit will be provided for BYOM (Bring your own meeting) from a user laptop.
- The room cameras and microphones will be connected Via USB to the Clickshare and will then be wirelessly connected back to the user's laptop initiating the call.
- 4 high definition video cameras will be used for Conferencing cameras and for Streaming cameras. (1) will be mounted at the front of the room to capture the podium and rear participants, one on each side wall and one on the rear wall.
- These cameras have an SDI and AVI-SPL will provide cabling to the control room to connect to the Wirecast system for streaming to the customer provided content delivery system.
- The cameras will also have a network connection back to a switch in the control room to connect to a Panasonic camera controller.
- The HDMI outputs of each camera will be used to feed the room WEB conferencing. Selection of which camera to use will be from the control panel or an IPAD.
- The rooms wireless microphones and the Televic conferencing system can be used for conferencing calls.

Equipment Rack and Accessories

Equipment will be installed in the following locations:

- A free-standing 3 bay credenza has been proposed to house the supporting AV equipment. The location of the credenza is TBD but recommend under the 100" display which will also negate ADA requirements.
- The finish of the credenza is TBD.
- AVI-SPL shall provide power and conduit requirements requirements at the rack location and cable pathways as required.
- A power conditioner or surge protector will be installed in the A/V rack to protect all racked equipment.

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Miscellaneous Furniture

- A Lectern will be provided for instructor to place laptop on for meetings. It will consist of a shelf, 18” wired gooseneck microphone and a cable cubby for wire management.
- The finish color is TBD, but shown in Cherry.

- Includes a sliding shelf
- There will be a wall plate located near the lectern for microphone connection.

Control System and Accessories

A control processor will be installed to enable various functions throughout the system. Please refer to the Software Integration section for more detailed information about system control.

- The control processor will be located in the equipment rack in the credenza.
- A wired touch screen interface with a 10” screen size will be located at the wall. Exact location TBD. The touch screen will be black in color.
- Control can also be accomplished with the AMX software license from a customer provided iPad.
- The assigned programmer will provide a GUI layout of what the control panels will look like and discuss any functionality as required.

Control System functionality: To include but not limited to the following.

- Ability to use the room for a Presentation Meeting, Web conferencing or participation meeting with an audience.
- System Power. Turns the displays ON/OFF. Defaults to the Barco Clickshare input as a default.
- Room volume control for audio and also microphone volume for wireless microphones.
- Ability to select and control room cameras Pan tilt and zoom and presets from touch panel or iPad.
- Ability to raise volume of the Televic discussion system feeding the room speakers if needed.

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Scope of Work – Control Room

Project Overview

This proposal includes the requested equipment from the customer for their control room located across the hall from the Boardroom. Fulton County will stream the Boardroom meetings from this room. The control room will give them the ability to select and control the four boardroom cameras. We will also provide an analog and Dante audio feed to this room.

AVI-SPL is providing a server rack with side panels and ventilation fan to be located in the control room. All required power, cable pathways (conduit above drop tile ceiling and a wire raceway from the control room across the hall to the boardroom) will be provided by others. The assigned AVI-SPL engineer will provide these requirements once a P.O. is received.

Premade SDI and Network cables will be pulled from the control room to each of the four camera locations in the boardroom and connected to the Wirecast device in the control room and to the network switch, which will be connected to the Panasonic camera controller.

- Rack mounted UPS and surge protectors are also provided to protect the equipment.
- The customer will provide (4) desktop monitors to be connected to the Wirecast device outputs for viewing the cameras.
- The audio feed will connect to the Wirecast Audio in.

Customer provided items:

- Please note the requested (2) GTE G10265 hard drives will need to provided by others as AVI-SPL does not have an established vendor for these items.
- Balt work station and Nexel Chrome Wire Shelving will be provided for this room by the customer. The workstation will be where the displays and controller will be located.
- All Network connection will be provided by the customer.

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Scope of Work - Break Room

Project Overview

This includes installing two displays in the break room. Each display will have a tuner input for a customer provided cable TV feed. The second display will also have an HDMI wall plate located below the display for a laptop connection for presentation. The audio would be heard through the display speakers. Control of the display will be from the manufacturer's remotes.

Breakroom

Applies to: 1018

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Display(s)

The following display devices will be integrated into the system:

- 2, 75" flat panel display for displaying cable TV from customer provided cable feed will be wall mounted.
    - One display will have an HDMI wall plate input for laptop presentation. A 12' HDMMI cable will be provided for laptop connection.
    - The customer will provide Power and the CATV Feed.
    - Exact locations of the displays are TBD.

Audio

The following audio devices will be integrated into the system:

- Audio will be heard from the internal display speakers

Control System and Accessories

- Control will be from the manufacturer's remotes.

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Customer Responsibilities – Project D

These are items that AVI-SPL is dependent upon to complete the project scope of work on time, however, these requirements and responsibilities are not provided by AVI-SPL. For a complete list of exclusions, please refer to the Integration Inclusions and Exclusions section of this proposal.

These requirements must be provided by the owner or other 3rd parties and may fall under the responsibility of an Architect, General Contractor, Electrical Contractor, Data Contractor, Security Contractor, Furniture/Millwork Contractor, IT departments, Facilities or Real Estate groups.

- All required backing and any other wall reinforcement required to safely accommodate displays. Any display wall shall be properly backed to withstand the weight of the display with a safety factor of at least 5:1.
- All AC power at the equipment locations, including hardwired power connections.
- All required conduit for low voltage cable paths to AV equipment.
- All ceiling work required to accommodate the projectors, projection screens, or other equipment.
- All required millwork modifications to tables or other millwork.
- Proper heat dissipation venting for the equipment in this system. Where convection cooling is not possible, a powered venting system with thermostatically controlled quiet fans.
- All required network configuration for any network connection to the client network.
- All software or hardware licenses not specifically provided in this scope of work or associated bill of materials.
- All software or hardware configuration for owner furnished equipment.
- Where VoIP is utilized, all required configuration information prior to installation.
- All cable/satellite/over-the-air TV connections and all associated hardware.

Site Readiness

The minimum acceptable site conditions of the project site for the installation of electronic equipment are as follows.

- The rooms and directly adjacent areas into which the equipment will be installed must be dust-free with floor, ceiling, and wall finishes to be completely installed in the rooms affected by the equipment.
- The rooms into which the equipment will be installed must be secure.
- All Electrical power, conduit systems, HVAC systems, IT requirements (wired or wireless services), communication circuits, and or other services required by the systems and equipment should be fully installed, energized, and configured for use.
- All furniture into which components of the equipment will be installed shall be present at the time of staging and/or installation.
- All telephone, POTS, VOIP, modem, PRI, data, LAN, and telecommunications connections are installed, fully tested, and active.
- Configuration of OFE networks, applications, servers, and services to provide interoperation with installed systems.
- Coordination and timely IT support and documentation (such as providing IP addresses or account credentials).

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Room Summary - Small Rooms (2) 1074, 1007

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Small Rooms (2) 1064-1007			
		DISPLAY			
SONY	SONFW55BZ40H	LCD, 55" 4K/UHD 620NIT 37LB 550000:1 CONTRAST SMART LED	2	$1,032.28	$2,064.56
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	2	$127.78	$255.56
CHIEF	CHICSSLP15X10	PROXIMITY,SLIDE LOCKING PLATE,15X10	2	$135.53	$271.06
		CONFERENCING			
YEALINK	YEAA20020ZOOM	NATIVE ZOOM ALL IN ONE WITH CPT TOUCH PANEL AND BYOM FIRMWARE UPDATE COMING TO ALLOW SWITCHING BETWEEN ZOOM, TEAMS AND BYOM	2	$1,666.67	$3,333.34
YEALINK	YEA1306030	VIDEO CONFERENCING ACCESSORY HUB Free Until	2	$211.11	$422.22
		ACCESSORIES			
EXTRON ELECTRONICS	EXT70104502	CABLE CUBBY, 500, NO AC - BLACK	2	$200.00	$400.00
EXTRON ELECTRONICS	EXT60189001	MODULE, POWER 2US & 2USBA 12 A BREAKER INTEG PS 2 OUTLETS	2	$300.00	$600.00
		MISCELLANEOUS			
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
CABLES TO GO	CAB10377	CABLE, 6' ULTRA FLEXIBLE HDMI 4K	2	$13.53	$27.06
CABLES TO GO	CAB28826	CABLE, 6' USB-C 2.0 MALE TO MALE (BLACK)	2	$10.27	$20.54
		CUSTOMER PROVIDED			
		POWER/DATA/CABLE PATHS/INFRASTRUCTURE MODIFICATIONS (Owner Furnished Equipment)	2	OFE	OFE
				Subtotal	**$8,083.68**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$358.99**

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Room Summary - Medium Room Type 1 (4) 1027, 1029, 1030, 1031

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Medium Room 1 (4) 1027, 1029, 1030, 1031			
		DISPLAY			
SONY	SONFW55BZ40H	LCD, 55" 4K/UHD 620NIT 37LB 550000:1 CONTRAST SMART LED	4	$1,032.28	$4,129.12
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	4	$127.78	$511.12
CHIEF	CHICSSLP15X10	PROXIMITY,SLIDE LOCKING PLATE,15X10	4	$135.53	$542.12
		CONFERENCING			
YEALINK	YEAA20020ZOOM	NATIVE ZOOM ALL IN ONE WITH CPT TOUCH PANEL AND BYOM FIRMWARE UPDATE COMING TO ALLOW SWITCHING BETWEEN ZOOM, TEAMS AND BYOM	4	$1,666.67	$6,666.68
YEALINK	YEA1306030	VIDEO CONFERENCING ACCESSORY HUB	4	$211.11	$844.44
		ACCESSORIES			
EXTRON ELECTRONICS	EXT70104502	CABLE CUBBY, 500, NO AC - BLACK	4	$200.00	$800.00
EXTRON ELECTRONICS	EXT60189001	MODULE, POWER 2US & 2USBA 12 A BREAKER INTEG PS 2 OUTLETS	4	$300.00	$1,200.00
		MISCELLANEOUS			
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	4	$344.67	$1,378.68
CABLES TO GO	CAB10377	CABLE, 6' ULTRA FLEXIBLE HDMI 4K	4	$13.53	$54.12
CABLES TO GO	CAB28826	CABLE, 6' USB-C 2.0 MALE TO MALE (BLACK)	1	$10.27	$10.27
		CUSTOMER PROVIDED			
		POWER/DATA/CABLE PATHS/INFRASTRUCTURE MODIFICATIONS (Owner Furnished Equipment)	4	OFE	OFE
				Subtotal	**$16,136.55**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$716.60**

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Room Summary - Medium Room Type 2 (2) 1052, 1064

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Medium Room 2 (2) 1052, 1064			
		DISPLAY			
SONY	SONFW75BZ40H	LCD, 75" 4K/UHD 620NIT 73LB 600000:1 CONTRAST SMART LED	2	$2,584.71	$5,169.42
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	2	$127.78	$255.56
CHIEF	CHICSSLP15X10	PROXIMITY,SLIDE LOCKING PLATE,15X10	2	$135.53	$271.06
		CONFERENCING			
YEALINK	YEAA30020ZOOM	NATIVE ZOOM ALL IN ONE WITH CPT TOUCH PANEL AND BYOM FIRMWARE UPDATE COMING TO ALLOW SWITCHING BETWEEN ZOOM, TEAMS AND BYOM	2	$2,211.11	$4,422.22
YEALINK	YEA1306030	VIDEO CONFERENCING ACCESSORY HUB	2	$211.11	$422.22
		ACCESSORIES			
EXTRON ELECTRONICS	EXT70104502	CABLE CUBBY, 500, NO AC - BLACK	2	$200.00	$400.00
EXTRON ELECTRONICS	EXT60189001	MODULE, POWER 2US & 2USBA 12 A BREAKER INTEG PS 2 OUTLETS	2	$300.00	$600.00
		MISCELLANEOUS			
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
CABLES TO GO	CAB10377	CABLE, 6' ULTRA FLEXIBLE HDMI 4K	2	$13.53	$27.06
CABLES TO GO	CAB28826	CABLE, 6' USB-C 2.0 MALE TO MALE (BLACK)	2	$10.27	$20.54
		FLOORTRACK			
FSR	FSR18204	SLATE TRACK, 72" SW-T72-SLT	2	$198.61	$397.22
FSR	FSR18219	WALL FEED BOX, LOW PROFILE, SLATE (SW-WF-LP-SLT)	2	$37.56	$75.12
FSR	FSR18211	DEVICE BOX, 2 Gang 1 Power 1 Data SW-DB-1P1D	2	$99.67	$199.34
FSR	FSR18206	RACEWAY END STOP, SLATE (SW-END-SLT)	2	$23.11	$46.22
FSR	FSR18479	RACEWAY KIT, 24", SLATE POWDER COAT	2	$91.72	$183.44
		CUSTOMER PROVIDED			
		POWER/DATA/CABLE PATHS/INFRASTRUCTURE MODIFICATIONS (Owner Furnished Equipment)	2	OFE	OFE
				Subtotal	**$13,178.76**

Room Support and Maintenance

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Elite Maintenance Services - Room; 12-months	**$585.24**

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Room Summary - Large Room Type (3) 1028, 1032, 1086 Nureva

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		DISPLAY			
SONY	SONFW85BZ40H	LCD, 85" 4K/UHD 620NIT 101LB 600000:1 CONTRAST SMART LED	3	$3,398.89	$10,196.67
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	3	$232.22	$696.66
CHIEF	CHICSSLP15X10	PROXIMITY,SLIDE LOCKING PLATE,15X10	3	$135.53	$406.59
		CONFERENCING			
YEALINK	YEAZVC860C2000	NATIVE XOOM UVC86 CAMERA, MCORE PC KIT, MT TOUCH CONTROLLER	3	$3,444.44	$10,333.32
NUREVA	NURHDL300W	SOUNDBAR/MICROPHONE W/SOUND MASKING & ECHO CANCELLATION, WHT	3	$3,198.89	$9,596.67
		BYOD			
YEALINK	YEAMVCBYODEXTENDER	VIDEO CONF SYSTEM, BYOD EXTENDER FOR TEAMS AND ZOOM ROOMS KI	3	$300.00	$900.00
		ACCESSORIES			
EXTRON ELECTRONICS	EXT70104502	CABLE CUBBY, 500, NO AC - BLACK	3	$200.00	$600.00
EXTRON ELECTRONICS	EXT60189001	MODULE, POWER 2US & 2USBA 12 A BREAKER INTEG PS 2 OUTLETS	3	$300.00	$900.00
		MISCELLANEOUS			
CABLES TO GO	CAB10377	CABLE, 6' ULTRA FLEXIBLE HDMI 4K	3	$13.53	$40.59
CABLES TO GO	CAB28826	CABLE, 6' USB-C 2.0 MALE TO MALE (BLACK)	3	$10.27	$30.81
		FLOORTRACK			
FSR	FSR18204	SLATE TRACK, 72" SW-T72-SLT	3	$198.61	$595.83
FSR	FSR18219	WALL FEED BOX, LOW PROFILE, SLATE (SW-WF-LP-SLT)	3	$37.56	$112.68
FSR	FSR18211	DEVICE BOX, 2 Gang 1 Power 1 Data SW-DB-1P1D	3	$99.67	$299.01
FSR	FSR18206	RACEWAY END STOP, SLATE (SW-END-SLT)	3	$23.11	$69.33
FSR	FSR18479	RACEWAY KIT, 24", SLATE POWDER COAT	3	$91.72	$275.16
		CUSTOMER PROVIDED			
		POWER/DATA/CABLE PATHS/INFRASTRUCTURE MODIFICATIONS (Owner Furnished Equipment)	3	OFE	OFE
				Subtotal	**$35,053.32**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$1,531.39**

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Room Summary - Training Rooms 1036/1037 - 2 Way

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Training Rooms 1036/37, 1038/39 2 Way			
		Display Section			
SONY	SONFW100BZ40J	LCD, 100" 4K/UHD, 205LBS, 600 NITS, 9K:1, HDR10 24/7	2	$10,924.44	$21,848.88
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
		Video Section			
AMX	AMXFG19060401	SWITCHER, 8X4+2 ALL-IN-ONE PRESENTATION, DVX-3266-4K	1	$4,995.00	$4,995.00
AMX	AMXFG1010330WHFX	SWITCHER, DXLINK 4K HDMI DECOR STYLE, TX, 4L UHD, WHITE	2	$378.79	$757.58
AMX	AMXFG1020050	RECEIVER/SCALER, PRECIS HDBASET, PRO1-RX	2	$513.93	$1,027.86
BARCO CLICKSHARE	BARR9861511EU	CLICKSHARE COMPLETE PKG, C-10 FOR MED-LRG MEETING ROOMS WIRELESS ACCESS POINTS AND NETWORK SWITCH IN THE AV RACK ROOM PROPOSAL	2	$1,172.42	$2,344.84
		Audio Section			
CROWN INTERNATIONAL	CRONCDI2X600UUS	AMPLIFIER, DRIVECORE CDI 2X600	2	$1,014.62	$2,029.24
JBL	JBLCBT70J1WH	SPEAKER, HIGH POWER J-SHAPTED ARRAY EXTENSION, WHITE	4	$933.28	$3,733.12
		Wireless Microphone System			
SENNHEISER ELECTRONICS	SENEWDXEM2Q19	RECEIVER, WIRELESS DIGITAL (470-550 MHZ)	1	$839.00	$839.00
SENNHEISER ELECTRONICS	SENEWDXSKQ19	TRANSMITTER, WIRELESS BODYPACK (470-550 MHZ)	2	$375.00	$750.00
SENNHEISER ELECTRONICS	SENME4	MICROPHONE, CARDIOID ELECTRET COND LAV W/CLIP AND WINDSCR	2	$104.00	$208.00
SENNHEISER ELECTRONICS	SENBA70	BATTERY PACK FOR EW-D SK AND EW-D SKM-S, LITHIUM ION	2	$40.00	$80.00
SENNHEISER ELECTRONICS	SENCHG70NPLUSPSUKIT	CHARGER, NETWORK ENABLED	2	$279.00	$558.00
SENNHEISER ELECTRONICS	SENAD3700	ANTENNA, DIRECTIONAL W/INTEGRATED AB3700	2	$799.00	$1,598.00
SENNHEISER ELECTRONICS	SENEWDABR	INLINE ANTENNA BOOSTER +10 DB GAIN BNC CONNECTORS	2	$160.00	$320.00
		Control Section			

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Mfg	Model	Description	Qty	Unit Price	Extended Price
AMX	AMXFG596949BL	TOUCHPANEL, 10" MODERO WALL PANEL, BLACK, MD-1002-BL	2	$1,142.19	$2,284.38
NETGEAR	NETGSM4212P100NAS	SWITCH, M4250 10G2F PoE PLUS AV	1	$533.17	$533.17
		Furniture Section			
VIDEO FURNITURE INTERNATI	VIDLEX31	LECTERN, 14RU EXECUTIVE W/POCKET DOOR (MUST SPECIFY COLOR)	2	$1,438.89	$2,877.78
		MXC418 Microphone with Shock Mount	2	$380.00	$760.00
		CUB8 cable cubby	2	$550.00	$1,100.00
		Custom Cutout	2	$250.00	$500.00
		Sliding Shelf	2	$43.33	$86.66
		Miscellaneous Section			
PANEL CRAFTERS	A01600-WQ643721	CUSTOM 1 GANG WALL PLATE COLOR TBD WITH XPRF 3PIN FOR MIC	2	$50.00	$100.00
SURGEX	SURSXDS158	POWER CONDITIONER, DEFENDER SERIES 8-OUTLET SURGE SUPRESSOR	1	$199.22	$199.22
BELDEN WIRE AND CABLE	BEL2413F0041000	CABLE, BELDEN 2413F, YELLOW, REEL CAT6+	2000	$0.62	$1,240.00
MIDDLE ATLANTIC	MIDRFR2028BR	FURNITURE RACK, 28W, 20SP, 28DP, RFR REFERENCE S	1	$990.50	$990.50
MIDDLE ATLANTIC	TBD	RACK ACCESSORIES	1	$111.11	$111.11
CABLES TO GO	CAB10379	CABLE, 12' ULTRA FLEXIBLE 4K ACTIVE HDMI C	2	$37.86	$75.72
		Customer Furnished Section			
		POWER / DATA / CEILING WORK / CABLE PATHS (Owner Furnished Equipment)	2	OFE	OFE
				Subtotal	**$53,101.84**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$2,358.17**

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Room Summary - Training Rooms 1038/1039 - 2 Way

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Training Rooms 1036/37, 1038/39 2 Way			
		Display Section			
SONY	SONFW100BZ40J	LCD, 100" 4K/UHD, 205LBS, 600 NITS, 9K:1, HDR10 24/7	2	$10,924.44	$21,848.88
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
		Video Section			
AMX	AMXFG19060401	SWITCHER, 8X4+2 ALL-IN-ONE PRESENTATION, DVX-3266-4K	1	$4,995.00	$4,995.00
AMX	AMXFG1010330WHFX	SWITCHER, DXLINK 4K HDMI DECOR STYLE, TX, 4L UHD, WHITE	2	$378.79	$757.58
AMX	AMXFG1020050	RECEIVER/SCALER, PRECIS HDBASET, PRO1-RX	2	$513.93	$1,027.86
BARCO CLICKSHARE	BARR9861511EU	CLICKSHARE COMPLETE PKG, C-10 FOR MED-LRG MEETING ROOMS WIRELESS ACCESS POINTS AND NETWORK SWITCH IN THE AV RACK ROOM PROPOSAL	2	$1,172.42	$2,344.84
		Audio Section			
CROWN INTERNATIONAL	CRONCDI2X600UUS	AMPLIFIER, DRIVECORE CDI 2X600	2	$1,014.62	$2,029.24
JBL	JBLCBT70J1WH	SPEAKER, HIGH POWER J-SHAPTED ARRAY EXTENSION, WHITE	4	$933.28	$3,733.12
		Wireless Microphone System			
SENNHEISER ELECTRONICS	SENEWDXEM2Q19	RECEIVER, WIRELESS DIGITAL (470-550 MHZ)	1	$839.00	$839.00
SENNHEISER ELECTRONICS	SENEWDXSKQ19	TRANSMITTER, WIRELESS BODYPACK (470-550 MHZ)	2	$375.00	$750.00
SENNHEISER ELECTRONICS	SENME4	MICROPHONE, CARDIOID ELECTRET COND LAV W/CLIP AND WINDSCR	2	$104.00	$208.00
SENNHEISER ELECTRONICS	SENBA70	BATTERY PACK FOR EW-D SK AND EW-D SKM-S, LITHIUM ION	2	$40.00	$80.00
SENNHEISER ELECTRONICS	SENCHG70NPLUSPSUKIT	CHARGER, NETWORK ENABLED	2	$279.00	$558.00
SENNHEISER ELECTRONICS	SENAD3700	ANTENNA, DIRECTIONAL W/INTEGRATED AB3700	2	$799.00	$1,598.00
SENNHEISER ELECTRONICS	SENEWDABR	INLINE ANTENNA BOOSTER +10 DB GAIN BNC CONNECTORS	2	$160.00	$320.00
		Control Section			

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Mfg	Model	Description	Qty	Unit Price	Extended Price
AMX	AMXFG596949BL	TOUCHPANEL, 10" MODERO WALL PANEL, BLACK, MD-1002-BL	2	$1,142.19	$2,284.38
NETGEAR	NETGSM4212P100NAS	SWITCH, M4250 10G2F PoE PLUS AV	1	$533.17	$533.17
		Furniture Section			
VIDEO FURNITURE INTERNATI	VIDLEX31	LECTERN, 14RU EXECUTIVE W/POCKET DOOR (MUST SPECIFY COLOR)	2	$1,438.89	$2,877.78
		MXC418 Microphone with Shock Mount	2	$380.00	$760.00
		CUB8 cable cubby	2	$550.00	$1,100.00
		Custom Cutout	2	$250.00	$500.00
		Sliding Shelf	2	$43.33	$86.66
		Miscellaneous Section			
PANEL CRAFTERS	A01600-WQ643721	CUSTOM 1 GANG WALL PLATE COLOR TBD WITH XPRF 3PIN FOR MIC	2	$50.00	$100.00
SURGEX	SURSXDS158	POWER CONDITIONER, DEFENDER SERIES 8-OUTLET SURGE SUPRESSOR	1	$199.22	$199.22
BELDEN WIRE AND CABLE	BEL2413F0041000	CABLE, BELDEN 2413F, YELLOW, REEL CAT6+	2000	$0.62	$1,240.00
MIDDLE ATLANTIC	MIDRFR2028BR	FURNITURE RACK, 28W, 20SP, 28DP, RFR REFERENCE S	1	$990.50	$990.50
MIDDLE ATLANTIC	TBD	RACK ACCESSORIES	1	$111.11	$111.11
CABLES TO GO	CAB10379	CABLE, 12' ULTRA FLEXIBLE 4K ACTIVE HDMI C	2	$37.86	$75.72
		Customer Furnished Section			
		POWER / DATA / CEILING WORK / CABLE PATHS (Owner Furnished Equipment)	2	OFE	OFE
				Subtotal	**$53,101.84**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$2,358.17**

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Room Summary - Training Rooms 1041/1042 - 2 Way

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Training Rooms 1036/37, 1038/39 2 Way			
		Display Section			
SONY	SONFW100BZ40J	LCD, 100" 4K/UHD, 205LBS, 600 NITS, 9K:1, HDR10 24/7	2	$10,924.44	$21,848.88
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
		Video Section			
AMX	AMXFG19060401	SWITCHER, 8X4+2 ALL-IN-ONE PRESENTATION, DVX-3266-4K	1	$4,995.00	$4,995.00
AMX	AMXFG1010330WHFX	SWITCHER, DXLINK 4K HDMI DECOR STYLE, TX, 4L UHD, WHITE	2	$378.79	$757.58
AMX	AMXFG1020050	RECEIVER/SCALER, PRECIS HDBASET, PRO1-RX	2	$513.93	$1,027.86
BARCO CLICKSHARE	BARR9861511EU	CLICKSHARE COMPLETE PKG, C-10 FOR MED-LRG MEETING ROOMS WIRELESS ACCESS POINTS AND NETWORK SWITCH IN THE AV RACK ROOM PROPOSAL	2	$1,172.42	$2,344.84
		Audio Section			
CROWN INTERNATIONAL	CRONCDI2X600UUS	AMPLIFIER, DRIVECORE CDI 2X600	2	$1,014.62	$2,029.24
JBL	JBLCBT70J1WH	SPEAKER, HIGH POWER J-SHAPTED ARRAY EXTENSION, WHITE	4	$933.28	$3,733.12
		Wireless Microphone System			
SENNHEISER ELECTRONICS	SENEWDXEM2Q19	RECEIVER, WIRELESS DIGITAL (470-550 MHZ)	1	$839.00	$839.00
SENNHEISER ELECTRONICS	SENEWDXSKQ19	TRANSMITTER, WIRELESS BODYPACK (470-550 MHZ)	2	$375.00	$750.00
SENNHEISER ELECTRONICS	SENME4	MICROPHONE, CARDIOID ELECTRET COND LAV W/CLIP AND WINDSCR	2	$104.00	$208.00
SENNHEISER ELECTRONICS	SENBA70	BATTERY PACK FOR EW-D SK AND EW-D SKM-S, LITHIUM ION	2	$40.00	$80.00
SENNHEISER ELECTRONICS	SENCHG70NPLUSPSUKIT	CHARGER, NETWORK ENABLED	2	$279.00	$558.00
SENNHEISER ELECTRONICS	SENAD3700	ANTENNA, DIRECTIONAL W/INTEGRATED AB3700	2	$799.00	$1,598.00
SENNHEISER ELECTRONICS	SENEWDABR	INLINE ANTENNA BOOSTER +10 DB GAIN BNC CONNECTORS	2	$160.00	$320.00
		Control Section			

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Mfg	Model	Description	Qty	Unit Price	Extended Price
AMX	AMXFG596949BL	TOUCHPANEL, 10" MODERO WALL PANEL, BLACK, MD-1002-BL	2	$1,142.19	$2,284.38
NETGEAR	NETGSM4212P100NAS	SWITCH, M4250 10G2F PoE PLUS AV	1	$533.17	$533.17
		Furniture Section			
VIDEO FURNITURE INTERNATI	VIDLEX31	LECTERN, 14RU EXECUTIVE W/POCKET DOOR (MUST SPECIFY COLOR)	2	$1,438.89	$2,877.78
		MXC418 Microphone with Shock Mount	2	$380.00	$760.00
		CUB8 cable cubby	2	$550.00	$1,100.00
		Custom Cutout	2	$250.00	$500.00
		Sliding Shelf	2	$43.33	$86.66
		Miscellaneous Section			
PANEL CRAFTERS	A01600-WQ643721	CUSTOM 1 GANG WALL PLATE COLOR TBD WITH XPRF 3PIN FOR MIC	2	$50.00	$100.00
SURGEX	SURSXDS158	POWER CONDITIONER, DEFENDER SERIES 8-OUTLET SURGE SUPRESSOR	1	$199.22	$199.22
BELDEN WIRE AND CABLE	BEL2413F0041000	CABLE, BELDEN 2413F, YELLOW, REEL CAT6+	2000	$0.62	$1,240.00
MIDDLE ATLANTIC	MIDRFR2028BR	FURNITURE RACK, 28W, 20SP, 28DP, RFR REFERENCE S	1	$990.50	$990.50
MIDDLE ATLANTIC	TBD	RACK ACCESSORIES	1	$111.11	$111.11
CABLES TO GO	CAB10379	CABLE, 12' ULTRA FLEXIBLE 4K ACTIVE HDMI C	2	$37.86	$75.72
		Customer Furnished Section			
		POWER / DATA / CEILING WORK / CABLE PATHS (Owner Furnished Equipment)	2	OFE	OFE
				Subtotal	**$53,101.84**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$2,358.17**

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Room Summary - Training Rooms 1043/1044 - Equip Share (2)

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Training Rooms 1036/37, 1038/39 2 Way			
		Display Section			
SONY	SONFW100BZ40J	LCD, 100" 4K/UHD, 205LBS, 600 NITS, 9K:1, HDR10 24/7	2	$10,924.44	$21,848.88
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
		Video Section			
AMX	AMXFG19060401	SWITCHER, 8X4+2 ALL-IN-ONE PRESENTATION, DVX-3266-4K	1	$4,995.00	$4,995.00
AMX	AMXFG1010330WHFX	SWITCHER, DXLINK 4K HDMI DECOR STYLE, TX, 4L UHD, WHITE	2	$378.79	$757.58
AMX	AMXFG1020050	RECEIVER/SCALER, PRECIS HDBASET, PRO1-RX	2	$513.93	$1,027.86
BARCO CLICKSHARE	BARR9861511EU	CLICKSHARE COMPLETE PKG, C-10 FOR MED-LRG MEETING ROOMS WIRELESS ACCESS POINTS AND NETWORK SWITCH IN THE AV RACK ROOM PROPOSAL	2	$1,172.42	$2,344.84
		Audio Section			
CROWN INTERNATIONAL	CRONCDI2X600UUS	AMPLIFIER, DRIVECORE CDI 2X600	1	$1,014.62	$1,014.62
JBL	JBLCBT70J1WH	SPEAKER, HIGH POWER J-SHAPTED ARRAY EXTENSION, WHITE	4	$933.28	$3,733.12
		Wireless Microphone System			
SENNHEISER ELECTRONICS	SENEWDXEM2Q19	RECEIVER, WIRELESS DIGITAL (470-550 MHZ)	1	$839.00	$839.00
SENNHEISER ELECTRONICS	SENEWDXSKQ19	TRANSMITTER, WIRELESS BODYPACK (470-550 MHZ)	2	$375.00	$750.00
SENNHEISER ELECTRONICS	SENME4	MICROPHONE, CARDIOID ELECTRET COND LAV W/CLIP AND WINDSCR	2	$104.00	$208.00
SENNHEISER ELECTRONICS	SENBA70	BATTERY PACK FOR EW-D SK AND EW-D SKM-S, LITHIUM ION	2	$40.00	$80.00
SENNHEISER ELECTRONICS	SENCHG70NPLUSPSUKIT	CHARGER, NETWORK ENABLED	2	$279.00	$558.00
SENNHEISER ELECTRONICS	SENAD3700	ANTENNA, DIRECTIONAL W/INTEGRATED AB3700	2	$799.00	$1,598.00
SENNHEISER ELECTRONICS	SENEWDABR	INLINE ANTENNA BOOSTER +10 DB GAIN BNC CONNECTORS	2	$160.00	$320.00
		Control Section			
AMX	AMXFG596949BL	TOUCHPANEL, 10" MODERO WALL PANEL, BLACK, MD-1002-BL	2	$1,142.19	$2,284.38

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Mfg	Model	Description	Qty	Unit Price	Extended Price
NETGEAR	NETGSM4212P100NAS	SWITCH, M4250 10G2F PoE PLUS AV	1	$533.17	$533.17
		Furniture Section			
VIDEO FURNITURE INTERNATI	VIDLEX31	LECTERN, 14RU EXECUTIVE W/POCKET DOOR (MUST SPECIFY COLOR)	2	$1,438.89	$2,877.78
		MXC418 Microphone with Shock Mount	2	$380.00	$760.00
		CUB8 cable cubby	2	$550.00	$1,100.00
		Custom Cutout	2	$250.00	$500.00
		Sliding Shelf	2	$43.33	$86.66
		Miscellaneous Section			
PANEL CRAFTERS	A01600-WQ643721	CUSTOM 1 GANG WALL PLATE COLOR TBD WITH XPRF 3PIN FOR MIC	2	$50.00	$100.00
SURGEX	SURSXDS158	POWER CONDITIONER, DEFENDER SERIES 8-OUTLET SURGE SUPRESSOR	1	$199.22	$199.22
BELDEN WIRE AND CABLE	BEL2413F0041000	CABLE, BELDEN 2413F, YELLOW, REEL CAT6+	2000	$0.62	$1,240.00
CABLES TO GO	CAB10379	CABLE, 12' ULTRA FLEXIBLE 4K ACTIVE HDMI C	2	$37.86	$75.72
		Customer Furnished Section			
		POWER / DATA / CEILING WORK / CABLE PATHS (Owner Furnished Equipment)	2	OFE	OFE
MIDDLE ATLANTIC	MIDRFR2028BR	FURNITURE RACK, 28W, 20SP, 28DP, RFR REFERENCE S	1	$990.50	$990.50
MIDDLE ATLANTIC	TBD	RACK ACCESSORIES	1	$111.11	$111.11
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	2	$344.67	$689.34
				Subtotal	**$52,087.22**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$2,313.11**

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Room Summary - Boardroom

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Display Section			
SONY	SONFW100BZ40J	LCD, 100" 4K/UHD, 205LBS, 600 NITS, 9K:1, HDR10 24/7	2	$10,924.44	$21,848.88
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
SONY	SONFW85BZ40H	LCD, 85" 4K/UHD 620NIT 101LB 600000:1 CONTRAST SMART LED MAY NEED TO DROP TO 75 BASED ON MOUNTING COLUMN IN ROOM	2	$3,398.89	$6,797.78
CHIEF	CHIXTM1U	MOUNT, FUSION MICRO-ADJ TILT WALL MOUNT, EXTRA LARGE	2	$232.22	$464.44
SURGEX	SURSXDS154	POWER CONDITIONER, DEFENDER SERIES MULTIPAK 120V/15A 1 NEMA	4	$344.67	$1,378.68
		Video Section			
AMX	AMXFG1020800	MATRIX SWITCHER, PRECIS 8X8 4K60 HDMI	1	$4,120.88	$4,120.88
AMX	AMXFG1020050	RECEIVER/SCALER, PRECIS HDBASET, PRO1-RX	4	$513.93	$2,055.72
		Audio Section			
BSS AUDIO	BSSBSSBLU101M	FIXED I/O DEVICE, 12 ANALOG MIC/LINE INPUT, 8 ANALOG OUT	1	$2,055.66	$2,055.66
BSS AUDIO	BSSBSSBLUDANFX	BLUE LINK TO DANTA BRIDGE	1	$641.02	$641.02
BSS AUDIO	BSSBSSBLUUSBMUS	USB AUDIO / BLU LINK INTERFACE	1	$174.82	$174.82
SENNHEISER	SEN508770	EW-D ME2/835 (Q1-6) WIRELESS COMBO MIC SYSTEM INCLUDES LAPEL MIC WITH BELT PACK AND HANDHELD MICROPHONE	1	$798.89	$798.89
		Control Section			
AMX	AMXFG210602	CONTROLLER, NETLINX NX INTEGRATED, NX-2200	1	$1,257.63	$1,257.63
AMX	AMXFG596949BL	TOUCHPANEL, 10" MODERO WALL PANEL, BLACK, MD-1002-BL	1	$1,142.19	$1,142.19
AMX	AMXFG22630600	LICENSE, TPCONTROL APPLICATION (iPAD ONLY)	1	$623.54	$623.54
		Conferencing Section			
BARCO CLICKSHARE	BARR9861522US	CLICKSHARE COMPLETE STARTER PKG, CX-50	1	$2,500.00	$2,500.00
MAGWELL	MAG32060	DONGLE, USB CAPTURE HDMI (GEN 2)	1	$248.89	$248.89
		Cameras ****************			
PANASONIC	PANAWUE80WPJ	CAMERA, 4K 60P W/SDI AND HDMI, FULL NDI, WHITE	4	$5,144.44	$20,577.76
PANASONIC	PANFEC40WMK	MOUNT, WALL FOR HE40 AND UE70 - BLACK	4	$154.44	$617.76

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Mfg	Model	Description	Qty	Unit Price	Extended Price
SOUND CONTROL TECHNOLOGIE	SOURC5P40	DIGITAL CAMERA INTERGRATION KIT W/PANASONIC AW-HE40	4	$1,444.44	$5,777.76
		Wired Discussion Mic system (10 Stations)			
TELEVIC	TEL71982902	AUDIO ENGINE, PLIXUS, AE-R	1	$3,022.22	$3,022.22
TELEVIC	TEL71980131	CONF UNIT, CONFIDEA FLEX TABLETOP CONFIGURABLE TOUCH	10	$700.56	$7,005.60
TELEVIC	TEL71980054	MICROPHONE, GSM IMMUNE, D - Mic 40 SL	10	$126.39	$1,263.90
TELEVIC	TEL71989365	PELICAN 1620 CASE (OPTIONAL) TO STORE MICS	1	$736.67	$736.67
		Furniture Section			
ATLAS/SOUNDOLIER	ATLDS7E	STAND, 6" DESK MICROPHONE ADJUSTABLE 8"-13"H	1	$29.00	$29.00
ATLAS/SOUNDOLIER	ATLMICCLIP	MICROPHONE CLIP, 1.25" TO 1" TAPER, BLACK	1	$9.29	$9.29
VIDEO FURNITURE INTERNATI	VIDLEX31	LECTERN, 14RU EXECUTIVE W/POCKET DOOR (MUST SPECIFY COLOR)	1	$1,438.89	$1,438.89
MIDDLE ATLANTIC	AVI-CUSTOM	3 BAY AV CREDENZA INCLUDES VENTELATION (finish TBD) COLOR CHOICE AND HARDWARE OPTIONS MAY CHANGE PRICE SLIGHTLY	1	$3,888.89	$3,888.89
		Miscellaneous			
SURGEX	SURSXDS158	POWER CONDITIONER, DEFENDER SERIES 8-OUTLET SURGE SUPRESSOR	1	$199.22	$199.22
NETGEAR	NETGSM4230P100NAS	SWITCH, M4250 26G4F PoE PLUS MINGD SW	1	$1,048.87	$1,048.87
MIDDLE ATLANTIC	TBD	RACK ACCESSORIES VENTS BLANKS ETC.	1	$444.44	$444.44
FSR	FSR18385	CABLE, 50', 8K 48GBPS HDMI MALE TO MALE PLENSUM, BLK AOC	2	$254.22	$508.44
		BULK CAT CABLE	2000	$0.80	$1,600.00
		BULK SPEAKER CABLE	400	$0.24	$96.00
		Speaker System			
		Innovox System			
INNOVOX AUDIO	INNMLA16WHT	SPEAKER, MICRO LINE ARRAY, 16 1" DRIVERS, 24" LINE, WHITE	2	$430.00	$860.00
INNOVOX AUDIO	INNMLA8WHT	SPEAKER, MICRO LINE ARRAY, 8 1" DRIVERS, 12" LINE, WHITE	4	$266.67	$1,066.68
INNOVOX AUDIO	INNMICROSUB2X6WHT	SPEAKER, VERY COMPACT 2X6" SUBWOOFER, WHITE	2	$453.33	$906.66
POWERSOFT	POW604A	MEZZO 604 A 4 CHANNEL AMP	2	$990.00	$1,980.00
		Customer Furnished			
		Power/Data/Wall Backing/Cable Paths (Owner Furnished Equipment)	1	OFE	OFE
				Subtotal	**$99,651.51**

Room Support and Maintenance

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Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$4,425.39**

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Room Summary - Control Room

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
WIRECAST GEAR	WIRECAST GEAR 3 4K SDI	4Kp60 SDI streaming appliance	1	$9,824.17	$9,824.17
AVI-CUST	AVI-CUST	Custom SDI cables Plenum Cable with Canare BNC connectors	6	$81.78	$490.68
COMPREHENSIVE		Comprehensive Pro AV/IT Cat 6 Heavy-Duty Snagless Patch Cabl Comprehensive Pro AV/IT Cat 6 Heavy-Duty Snagless Patch Cable (150', Black)	6	$269.16	$1,614.96
UBIQUITI NETWORKS	UBIER12	EDGEROUTER 12 PORTS	1	$241.61	$241.61
PANASONIC	PANAWRP150GJQ	CONTROLLER, ADVANCED JOYSTICK	1	$4,074.45	$4,074.45
AMERICAN POWER CONVERSION	APCP11U2	SURGE PROTECTOR, SURGEARREST 11 OUTLET W/2 USSB CHARGING POI	2	$45.28	$90.56
AMERICAN POWER CONVERSION	APCBX1500M	UPS, BACK-UPS PRO BX 1500VA, 10-OUTLET AVR, LCD INTERFACE	1	$213.83	$213.83
CHIEF	CHICMS446	MOUNT, KIT SUSPENDED CEILING CAMERA	4	$95.63	$382.52
	ADI94IA70A	POWER SUPPLY FOR PANASONIC CONTROLLER	1	$413.32	$413.32
	CAMERAS	CAMERAS ARE ON THE BOARDROOM PROPOSAL	4	$0.00	$0.00
MIDDLE ATLANTIC	MIDWRK2427	RACK, 24 SPACE 27" DEEP	1	$942.50	$942.50
MIDDLE ATLANTIC	MIDSPN24267	PANEL, SIDE FOR MRK-2426 & WRK24-27	1	$320.50	$320.50
MIDDLE ATLANTIC	MIDMW10FT550CFM	INTEGRATED 10' FAN TOP W/550 CFM FAN	1	$366.50	$366.50
		OWNER FURNISHED			
	C.F.E.	OWNER FURNISHED DISPLAYS (Owner Furnished Equipment)	4	OFE	OFE
		BALT COMPUTER WORK STATION LX SERIES (Owner Furnished Equipment)	1	OFE	OFE
		NEXEL CHROME WIRE SHELVING (Owner Furnished Equipment)	1	OFE	OFE
GTECH	GTE0G10264	**HARD DRIVE, 1TB MOBILE USB-C PORTABLE SILVER AVI-SPL cant supply. No Vendor	2	$0.00	$0.00
				Subtotal	**$18,975.60**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$842.69**

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Room Summary - Break Room

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
SONY	SONFWD75X81CHAL	LCD, 75" 4K/UHD 500NIT 70LB 16/7 LED W/ SPKS 1YR WT	2	$1,401.11	$2,802.22
CHIEF	CHILTM1U	MOUNT, MICRO ADJUST TILT WALL MOUNT, LARGE	2	$199.44	$398.88
CHIEF	CHIPACPC1	POWER CONDITIONER ACCESSORY	2	$119.44	$238.88
	AVI-CUST	SINGLE GANG WALL PLATE WITH HDMI	1	$55.56	$55.56
CABLES TO GO	CABC2G10413	CABLE, 12' 8K ULTRA HIGHSPEED HDMI	1	$36.20	$36.20
				Subtotal	**$3,531.74**

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **$156.84**

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Room Summary - J-Hook Install & Misc Costs

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
BLINE PRODUCTS	BLIBCH32	2" J-HOOK W/RETAINING CLIP	100	$5.08	$508.00
				Subtotal	**$508.00**

Room Support and Maintenance

Warranty; 3-months **$0.00**

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Investment Summary

Prepared For:	**Bennie Marcus**
	Fulton County **Highway 92** **Fairburn, GA 30213**

Prepared By:	**Patrick Webber**
Date Prepared:	**10/05/2022**
Proposal #:	**397669-3**
Valid Until:	**11/05/2022**

Total Equipment Cost	**$429,788.81**

Includes cable, connectors, hardware, switches, relays, terminal blocks, panels, etc., to ensure complete and operational system

Professional Integration Services	**$248,377.11**

Includes engineering, project management, CAD, on-site installation and wiring, coordination and supervision, testing, checkout, owner training, etc. performed on the Owner's premises. Also includes all fabrication, modification, assembly, rack wiring, programming, warranties, etc., some performed at AVI-SPL

Direct Costs	**$4,647.06**

Includes non equipment or labor costs, such as travel expenses, per diem, lift and vehicle rentals

General & Administrative	**$0.00**

Includes all G & A expenses: vehicle mileage, shipping and insurance, as applicable

Services - Room Support and Maintenance	**$18,004.76**

Includes post-installation support and maintenance options selected for installed rooms

Subtotal	**$700,817.74**
Tax	**Exempt (*)**
Total	**$700,817.74**

*** Exemption from sales tax will be recognized only after a valid sales tax exemption certificate or other appropriate documentation of exemption has been provided to and approved by AVI-SPL; otherwise all applicable sales taxes will apply.**

Purchase orders should be addressed to AVI-SPL LLC

Due to global semiconductor ("chip") shortages and supply chain disruptions pricing quoted in this proposal may change. Installation schedules are subject to current (daily) product availability and may be delayed or postponed.

Signed _____ Printed _____ Date _____

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Integration Inclusions & Exclusions

Inclusions

The following items are INCLUDED in this proposal unless specifically noted otherwise within this proposal document or scope of work statement:

- All equipment, wire and accessories required for a fully functional audio/visual system per the agreed upon scope of work.
- Non-union labor associated with audio/visual system engineering, installation, programming and testing.
- Documentation package including complete as-built AV system diagrams and manufacturer's operation manuals.
- Coordination and cooperation with the construction team in regards to installing the system.
- User demonstration of full AV system operation for final sign-off.

Any additional trips, labor or materials due to failure of the other work forces to have the audiovisual system rough-in work completed as anticipated and previously confirmed, will be added to the project billing as required.

Unless otherwise agreed in writing by AVI-SPL, all work performed by AVI-SPL will take place between the hours of 8:00 a.m. and 6:00 p.m. local time, Monday through Friday, excluding public and bank holidays. If AVI-SPL is required to perform work outside of these hours, customer will be charged AVI-SPL's standard overtime rates. Any changes in the hours or days of performance must be agreed to in writing by AVI-SPL.

Where applicable, the owner's architect will provide AVI-SPL's engineering department with all required architectural floor, reflected ceiling, building elevation, and section plans in AutoCAD® format at no charge to AVI-SPL.

Exclusions

The following items are EXCLUDED from this proposal unless specifically identified otherwise within this proposal document or scope of work statement.

- All conduits, high voltage wiring panels, breakers, relays, boxes, receptacles, etc. Any related electrical work including but not limited to 110VAC, conduit, core drilling, raceway and boxes.
- Voice/data cabling, IE analogue phone lines, ISDN lines, network ports, etc.
- Network connectivity, routing, switching and port configuration necessary to support audiovisual equipment.
- Concrete saw cutting and/or core drilling.
- Fire wall, ceiling, roof and floor penetration, patching, removal or fire stopping.
- Necessary sheet rock replacement, ceiling tile, T-bar replacement and/or wall/ceiling repair.
- Any and all millwork (moldings, trim, etc.). All millwork or modifications to project millwork/furniture to accommodate the AV equipment is to be provided by others.
- Painting, patching or finishing of architectural surfaces.
- Permits (unless specifically provided for elsewhere in this proposal document or scope of work statement).
- Engineered (P.E.) seals and/or stamped structural/system details.
- HVAC and plumbing relocation.
- Rough-in, bracing, framing or finish trim carpentry for installation.
- Cutting, structural welding, or reinforcement of structural steel members required for support of assemblies, if required.
- Owner furnished equipment or equipment furnished by others that is integrated into the systems (as described above) is assumed to be current, industry acceptable and in good working order. If it is determined that this equipment is faulty upon installation, additional project charges may be incurred.
- Additional or specific manufacturer's "User Adoption" training.
- Additional costs for union labor.

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Addendum to General Terms and Conditions – Global Chip Shortage

Due to global semiconductor chip shortages, Seller is experiencing longer than normal lead times on equipment. As a result, Seller cannot guarantee lead times on equipment and will not be liable for any delays in equipment delivery to the extent caused by such shortages. However, Seller is working with its global suppliers on a daily basis to understand the impact of this chip shortage on delivery timelines and will use reasonable efforts to keep Buyer apprised of anticipated delivery timelines and delays. Should Buyer elect to purchase equipment immediately upon placement of order to mitigate delays, Seller will immediately bill Buyer upon placement of such order and Buyer shall pay for such equipment within the payment terms (e.g. net 30) specified herein, regardless of any other agreed upon billing terms or billing terms specified herein. AVI-SPL will store such equipment in its warehouse until delivery to Buyer. Warranty on such equipment shall commence upon delivery of the equipment to AVI-SPL's warehouse, notwithstanding any other agreed upon warranty terms or warranty terms specified herein.

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