TOWN OF ENFIELD
JOHN F. KENNEDY MIDDLE SCHOOL TECHNOLOGY EQUIPMENT
ADDENDUM #2

PROJECT **DATE ISSUED: January 11, 2021**
John F. Kennedy Middle School Renovations
155 Raffia Road
Enfield, CT 06082

ARCHITECT
JCJ Architecture
120 Huyshope Ave.
Hartford, CT 06105
Tel: (860) 247-9226

TECHNOLOGY DESIGN
Guillen Technology Consultants, LLC
9 Moody Road, Bldg. D, Suite 18
Enfield, CT 06082

The bid opening date will be **Thursday, January 14, 2021 at 1:00 P.M.**

Bidders to submit Addenda Acknowledgement Form on Page 5 with Bid

Note: This is a phased project and upon completion of each phase, the Successful Bidder will be required to coordinate with the Owner or the Owner's Rep and provide to the Technology Consultant a sign-off on all devices and equipment delivered, installed, and tested.

In addition to the specifications included in the Project Manual Successful Bidder to follow:

1.1 RESPONSIBILITIES, COOPERATION AND COORDINATION WITH OTHER TRADES

A. Work includes, but is not limited to the following:
   1. All work shall be conducted in coordination with Owner and other building trades.
   2. The work covered by the qualified Audio-Visual System Integrator/Contractor(s) consists of furnishing all materials, accessories, connectors, supports, electrical protection, equipment, tools, setup, preparation, labor, supervision, incidentals, transportation, storage, and related items and appurtenances, and performing all operations necessary to complete the work as indicated in the project contract documents. It is the intent and purpose of this specification to have, upon completion of the project, a "turn-key" system designed, built, coordinated, complete and operable in all respects. Completely install, connect, and test all systems, equipment, devices, etc., shown or noted or required to final connections and leave ready for satisfactory operation. Provide any minor items omitted from the design, but obviously necessary to accomplish the above intent.

3. Where the Drawings, Specifications, Codes, Regulations, Laws, or the requirements of the local Authority conflict, provide the higher quality and higher quantity indicated or required, and follow the strictest requirement.
4. The qualified Audio-Visual System Integrator/Contractor for the applicable system/solution shall provide all inter-trade coordination, all additional hardware, software, cabling, interfaces, etc. for a completely operational system.
5. Furnish office, field, factory, manufacturers' representatives, and contractors' shop engineering, supervision, labor, materials, and methods required to provide the complete System work, in first class condition, as indicated on the Contract Documents.
6. Testing, identification, and administration for the systems.

1.2 DOCUMENTS INCLUDED IN ADDENDUM #2

A. Questions from Bidders and Answers

B. Revised Bid Lists for

1. Bid Package #1
2. Bid Package #2
3. Bid Package #3 – original Bid List
4. Bid Package #4

C. Drawing List showing documents changed

DRAWING LIST				
#	SHEET NAME	DATE	REV. #	REV. DATE
TE-00	COVER	09/16/2020	1	01/11/2021
TE-001	TECHNOLOGY GENERAL SHEET	09/16/2020	1	01/11/2021
TE-002	TECHNOLOGY GENERAL SHEET AND DETAILS	09/16/2020		
TE-111	FIRST FLOOR PLAN OVERALL	09/16/2020		
TE-111A	FIRST FLOOR PLAN AREA A	09/16/2020		
TE-111B	FIRST FLOOR PLAN AREA B	09/16/2020	1	01/11/2021
TE-111C	FIRST FLOOR PLAN AREA C	09/16/2020	1	01/11/2021
TE-111D	FIRST FLOOR PLAN AREA D	09/16/2020		
TE-111E	FIRST FLOOR PLAN AREA E	09/16/2020	1	01/11/2021
TE-111F	FIRST & SECOND FLOOR PLAN AREA F	09/16/2020		
TE-111G	FIRST & SECOND FLOOR PLAN AREA G	09/16/2020		
TE-111H	FIRST & SECOND FLOOR PLAN AREA H	09/16/2020		
TE-112	SECOND FLOOR PLAN OVERALL	09/16/2020		
TE-400	AV PLATE DETAILS	01/10/21		
TE-401	B105, B104 MUSIC, B108 CHORAL, B131 ORCHESTRA, B134 BAND, CLRM DISPLAY	09/16/2020	1	01/11/2021
TE-402	B121 AUDITORIUM AV RISER	09/16/2020	1	01/11/2021
TE-403	C113 & C114 CAFETERIA AV RISER	09/16/2020	1	01/11/2021
TE-404	C117 CARDIO ROOM LS RISER	09/16/2020	1	01/11/2021
TE-405	C121 GYMNASIUM AV RISER	09/16/2020	1	01/11/2021
TE-406	E131 MEDIA CENTER AV RISER	09/16/2020	1	01/11/2021

D. Narrative of Drawing Changes

The following is a list of changes included in the JFK Middle School Technology Package Phase 3 drawings **Revision "1" 01/11/2021.**

List of Changes:

Sheet TE-00 Cover Sheet

- Added Revision 1

Sheet TE-001 – Technology General Sheet

- **Updated referenced "T-000 Technology General Sheet."**
  - Updated SP4 speaker symbol to reflect pendant speaker.
  - Updated SP4 speaker symbol Typical Location to "Pendant".
  - Updated SP2 wall mounted array speaker symbol.

Sheet TE-111B - FIRST FLOOR PLAN AREA E

B104 – Music Room

- Added Local sound speaker SP3 (typ. of 4) to ceiling.
- Added Arrow to designation location on wall of AV input Plate (AV2) & Button Control Panel (BP1)

B105 – Music Room

- Added Local sound speaker SP3 (typ. of 4) to ceiling.
- Updated symbol of microphone to designate ceiling mounted for clarification. (typ. of 2)
- Added Arrow to designation location on wall of AV input Plate (AV2) & Button Control Panel (BP1)

B108 – Choral Room

- Added Local sound speaker SP3 (typ. of 4) to ceiling.
- Updated symbol of microphone to designate ceiling mounted for clarification. (typ. of 2)
- Added Arrow to designation location on wall of AV input Plate (AV2) & Button Control Panel (BP1)

B121 – Auditorium

- Added Antenna A.
- Added Antenna B.
- Relocated SP2 Wall mounted speaker to correct location (Typ. of 2)
- Relocated Microphone input plate (m) to correct location at stage wall.
- Relocated AV input Plate (AV3) to correct location at stage wall.
- Relocated Touch Panel (TP) to correct location at stage wall.
- Relocated Wall phone (W) to correct location at stage wall.

B131 – Orchestra Room

- Added Local sound speaker SP3 (typ. of 4) to ceiling.
- Updated symbol of microphone to designate ceiling mounted for clarification. (typ. of 2)
- Added Arrow to designation location on wall of AV input Plate (AV2) & Button Control Panel (BP1)

B134 – Band Room

- Added Local sound speaker SP3 (typ. of 4) to ceiling.
- Updated symbol of microphone to designate ceiling mounted for clarification. (typ. of 2)
- Added Arrow to designation location on wall of AV input Plate (AV2) & Button Control Panel (BP1)

Sheet TE-111C - FIRST FLOOR PLAN AREA C

C113 – Cafeteria

- Relocated Antenna B to opposite wall. (Typ. of 1)
- Added Antenna A (Typ. of 2)
- Added Antenna B (Typ. of 2)
- Added ALS Emitter (AL) (Typ. of 2)

C114 – Expanded Cafeteria

- Relocated Antenna B to opposite wall. (Typ. of 1)

C117 – Cardio Room

- Revised local sound ceiling speaker SP2 to local sound pendant speaker SP4 (Typ. of 5)
- Relocated center SP speaker to center of room.

Sheet TE-111E - FIRST FLOOR PLAN AREA E

E131 – Media Center

- Revised local sound ceiling speaker SP1 to local sound ceiling speaker SP4 (typ. of 10)

TOWN OF ENFIELD

ADDENDUM 2

ADDENDA ACKNOWLEDGEMENT FORM

JOHN F. KENNEDY MIDDLE SCHOOL TECHNOLOGY EQUIPMENT

JANUARY 11, 2021

TO: TOWN OF ENFIELD, CT
820 ENFIELD STREET
ENFIELD, CT 06082
FINANCE DEPARTMENT

BID FROM: NAME:_____

STREET:_____

CITY/STATE/ZIP:_____

FOR: JOHN F. KENNEDY MIDDLE SCHOOL TECHNOLOGY EQUIPMENT
STATE PROJECT #049-0140 RNV

The respondent hereby acknowledges receipt of the Addenda listed below and further acknowledges that the provisions of the Addenda have been included in the preparation of this bid.

Addendum No.	Date
_____	_____
_____	_____
_____	_____
_____	_____

PLEASE MAKE SURE TO SUBMIT THIS FORM WITH YOUR BID.

QUESTIONS & ANSWERS

TOWN OF ENFIELD
JOHN F. KENNEDY MIDDLE SCHOOL
TECHNOLOGY EQUIPMENT BID

IMPORTANT: Bid Return changed to Thursday, January 14th at 1:00 PM

1. **12/23/20 – Question 1**

   Good morning,
   In regards to the project above, is there any estimate value/start date and Plan Holder's List available?

   Answer 1:
   The project cost is less than $1,000,000.
   The start date is asap after receipt of a purchase order.
   There is not a Plan Holder's list, since the documents are posted to the Town and State websites and anyone can access them.

2. **12/23/20 – Question 2**

   Hello, I have a couple of questions we need clarification on:
   1. 4.07 what color units? White or Black
   2. 4.17 what color wall plates?
   3. Can you confirm room counts per phase of installation? I see 6 phases ending in either October or November of 2022.

   Answer 2:
   1. Building Wall Plates will be Stainless Steel, which is preferable. If this is not available, White will be acceptable
   2. Building Wall Plates will be Stainless Steel, which is preferable. If this is not available, White will be acceptable
   3. The Room Inventory List is being reworked with the counts by phase. Until it is completed, please refer to the Phasing Plan included on page 32 of the Project Manual and estimate the number of rooms in each phase.

3. **12/23/20 – Question 3**

   I would like to submit a substitute Classroom Sound System with 4 Speakers System for the Classrooms found on page 1 of Bid Package #1 section 4.20 with a quantity of 84. The new product for the substitution is the OWI CRS301 INFRARED WIRELESS MICROPHONE SYSTEM AMPLIFIER WITH MASS NOTIFICATION INTEGRATION

   Answer 3:
   The Audio Enhancement was selected because of its combination of reliability, cost of ownership, and price, but substitutions will be considered since sole source approval has not been granted.

4. **12/30/20 – Question 4**

   I have the following questions regarding the Extron Pole-Vault/Wall-Vault Systems:
   One of the main questions I have is why are Pole-vault and Wall-vault systems being spec'd for the rooms listed below? Usually with these classroom systems, it's one or the other. I showed an example below of what I'm talking about, each of the rooms show this kind of BOM.
   Music Room, Choral Room, Orchestra, Band Room, Media Center

Extron PVM 220	PoleVault Plenum Ceiling Enclosure
Extron PVS 407D	PoleVault Switcher
Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate
Extron PVT HDMI	Dual HDMI & Audio Input Wallplate
Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station
Extron VLR 302	VoiceLift Pro Receiver
Extron WVS 211D	2+2 Input Digital WallVault with WMK 160

Answer 4:

New custom part numbers from Extron have been added for the vault systems. Included in the kits will be Plenum boxes, Wall Plates, a Paging Clip, and a Power Supply. Poles will not be used. The Media Center will receive a different custom kit with a Wall Vault and a Mount for a Short Throw Projector.

A corrected Bid List will be provided.

Summary of the Ceiling Types:

1. B104 Music Room — 2x2 Acoustical Tile with 15/16" Grid
2. B105 Music Room — 2x2 Acoustical Tile with 15/16" Grid
3. B108 Choral Room — Exposed Structure with pattern of 2x2 Sound Reflective Ceiling Panels
4. B121 Auditorium — Linear Wood Look Ceiling and Gypsum Wallboard, half each
5. B124 Stage — Exposed Structure
6. B131 Orchestra — Exposed Structure with pattern of 2x2 Sound Reflective Ceiling Panels
7. B134 Band Room — Exposed Structure with pattern of 2x2 Sound Reflective Ceiling Panels
8. C113, C114 Cafeteria — Projection Screen locations – Exposed Structure; Seating Areas 1x4 Acoustical Tile with Grid
9. C117 Cardio Room — Exposed Structure
10. C121 Gym — Exposed Structure
11. E131 Media Center — 2x2 Acoustical Tile with 15/16" Grid
12. **C130 Café Closet Equipment** — **Exposed Structure**

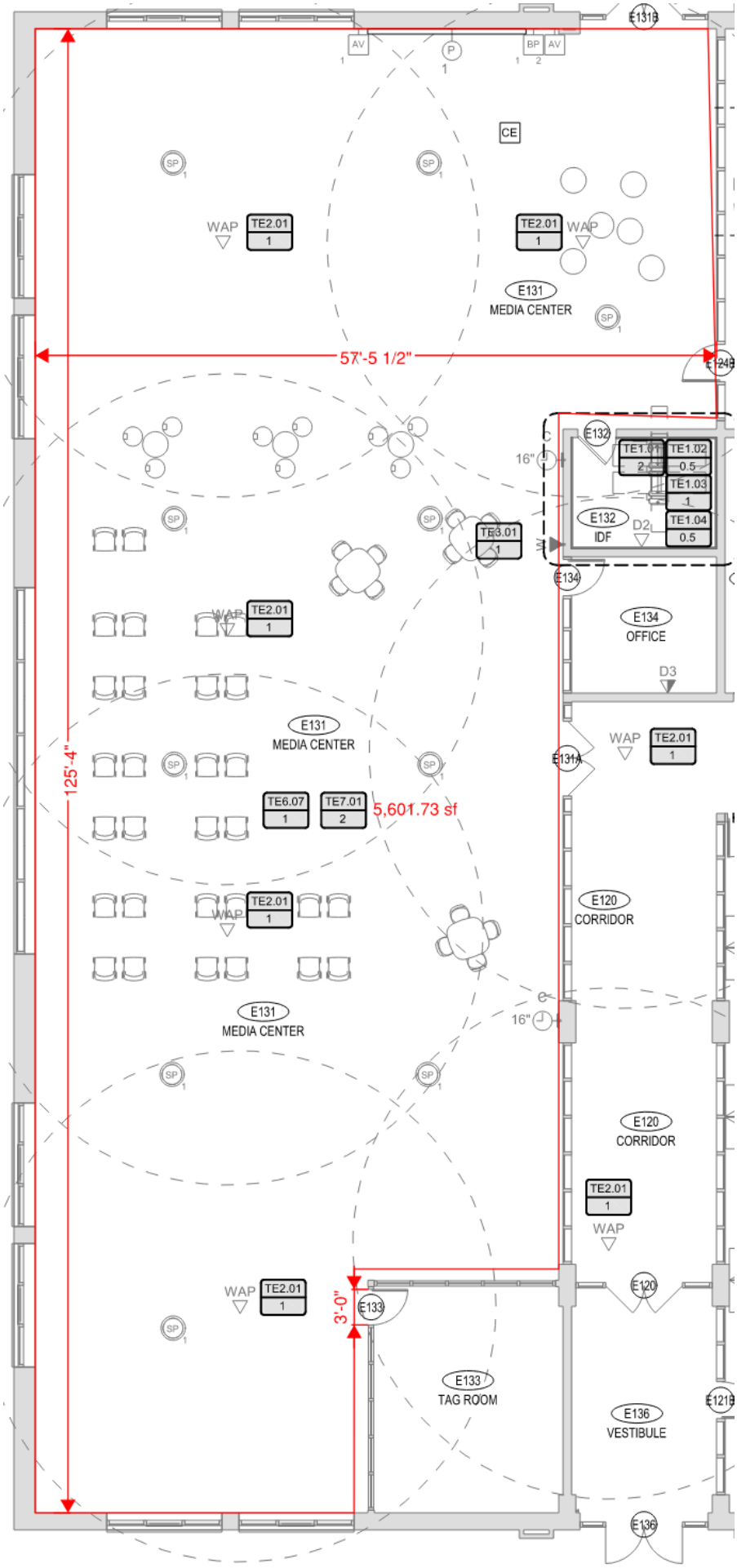
5. **12/30/20 – Question 5**

E131 Media Center

1. Can you confirm what the 5 pairs of Extron speakers in the Media Center will be tapped at?
2. And how large of a space is that?
3. We saw the JBL EON610 speakers which appear to be wireless/Bluetooth speakers….are they part of a separate system?

Answer 5:

1. The Media Center speakers would be tapped at 16W since that is the highest level they can be tapped at for 70V and the amp has 200W out providing plenty of headspace.
2. The Media Center is approximately 5,602 SF, using Bluebeam for an estimate. Please review the sketch below.
3. The EON Bluetooth speakers are portable speakers to be used independently from the rest of the system, to be stored in the Media Center along with related equipment.


E131B
AV
P
BP
AV
CE
SP
WAP
TE2.01
1
E131
MEDIA CENTER
57'-5 1/2"
E124B
E132
TE1.01
2
TE1.02
0.5
TE1.03
1
TE1.04
0.5
16"
E132
IDF
D2
TE3.01
1
E134
E134
OFFICE
D3
E131
MEDIA CENTER
E131A
125'-4"
TE6.07
1
TE7.01
2
5,601.73 sf
E120
CORRIDOR
E131
MEDIA CENTER
E120
CORRIDOR
3'-0"
E133
E133
TAG ROOM
E136
VESTIBULE
E121B
E136

6. **12/31/20 – Question 6**
We are interested in possibly bidding some of the packages for the JFK Middle school opportunity. However, the sales manager for this area is away on vacation until the new year.
Would it be possible to get a bid extension so that we can provide you with a proposal upon his return?

Answer 6:
The Project Manager is willing to extend the Bid Return Date to Thursday, January 14th, but no further because an award needs to be made as soon as possible to meet the construction schedule.

7. **01/04/21 – Question 7**
Does the town want to purchase and store the 91 Samsung Displays all at once? Due to the long Phase schedule (into November 2022) it is more likely than not that the same model numbers will be available in October/November of 2022 as are available now.

Answer 7:
The "Supplementary Instructions for Invitation and Instructions to Vendors for Quotations for Furniture, Furnishings and Equipment (FF&E)" on Page 16 of the Project Manual explain that the equipment needs to be delivered by phase. The vendors can certainly order it ahead of time and store it in their own warehouse, but storage space will not be provided by the Town.

"**ARTICLE 8 - MISCELLANEOUS INSTRUCTIONS**

§8.1 The Vendor shall be prepared to make delivery of the equipment items they are providing under its contract in accordance with the Technology Plans based on the six phase installation schedule. Refer to attached Phasing Diagram. Delivery shall not be made until directed by the Architect. The Vendor shall be responsible for all costs for storage through the completion of the project, scheduled for November 1, 2022. If the delivery/installation completion date is delayed, the Owner will allow the Vendor one week to complete the delivery and installation of the furniture, furnishings and equipment items from the date of availability of access to the building as directed by the Architect.
§8.2 Deliveries and installations will be permitted on holidays and weekend days, only upon prior approval by the Owner. The building will be accessible from 7:00 a.m. until 4:00 p.m. weekdays, following the project schedule as updated by the Owner.

8. **01/05/21 – Question 8**
Will the Bid package PDF forms need to be completed or can we provide our proposal for the equipment and show the list prices without transferring to the bid forms?

Answer 8:
Please use the Bid Forms. Please explain the reason for any missing information or format changes made.

9. **01/05/21 – Question 9**
The following equipment was discontinued and the replacement model needs to be called out. I have the below replacement that is a suggestion. It's important that we address this issue before the bid.
Original: Panaray 802 Series IV Bose Panaray 802 Series IV

The suggested replacement model is the BOSE AMU208 BLACK ArenaMatch Utility.

Answer 9:
The DesignMax DM8S is the Bose recommended replacement. It is the same wattage at 70V (80W per speaker) as the AMU208 but is for inside only so it is less expensive.

10. 01/05/21 – Question 10

Could you please clarify the size of the cable on section 13.13 in the Cafe Closet EQ Rack? It has no part number or a length.

Answer 10:

Bid Form 2, for TE.6 Classroom and Specialty Room Sound Systems will be reissued because the second line of items 13.09 – 13.13 was hidden. Updated product numbers were also included where necessary. **The Cafeteria Closet Equipment will be located in C130**.

11. 01/05/21 – Question 11

Can you please clarify the item needed for the Café Closet item# 13.28? The only description given is Qty 4 - Stereo Mini-Pkg Accessory for items that include a stereo mini cable?

Answer 11:

This item can be deleted because there were no specific parts named. Vendors to provide all cables and accessories needed for a complete installed system.

12. 01/05/21 – Question 12

We have a list of the parts we would like to substitute. In most cases, these substitutes will be equivalent or better in performance and features AND be more cost effective. In the case of product that has been discontinued, we have noted and either offered a newer model or requesting a suitable replacement.

Specified	Substitution	Reason
Yamaha MGX16x	Soundcraft Signature 16	Cost savings
Bose Panaray MSA12X	Tannoy QFlex 12	Cost and availability
Bose Panaray 802 Series IV	JBL AWC129	Discontinued
Bose ControlSpace EX-1280N	London BLU-100 w/ Dante card	Cost
Bose PM8500N	Crown DCi 2/600N	Cost and design simplicity
Pakedge SX series	Cisco SG300 series	Cost and availability - would recommend using the "right sized" switch as dictated by the space - again for cost control.
Shure SLX series	Shure GLX-D series	Discontinued

The Extron PoleVault system that was specified is no longer available.

Answer 12:

All substitutions will be evaluated in detail after receipt of the bids, if the vendor is one of the apparent low bidders. All updates needed for discontinued products are appreciated and will be verified.

The Extron Vault Systems have been updated on the revised Bid Form 2.

13. 01/05/21 – Question 13

Bid Package 1, 5.06 - Vivitek NovoDS, can we substitute a BrightSign media player?

Answer 13:

Yes, because sole source approval was not received for any of the products. Preference will be given to Digital Signage systems which include free updates and do not charge licensing fees.

14. 01/05/21 – Question 14

Bid Package 2, 8.13 - Epson Pro L1490UL not available, replaced with Pro L1490UNL (V11HA16920)
Bid Package 2, 8.12 - Epson ELPM10 should be ELPM15 for use with Pro L1490UNL (V12H004MOF)

Answer 14:
The Projectors now need to be specified without the lens, "NL". The Projectors and Lenses in the Auditorium, Cafeteria, and Media Center have been updated on the revised Bid List #2 and include the Lens selection for the distances from the projector to the screen. These are estimates based upon the plans, and the actual distances must be field verified before ordering, in case the location needs to be modified because of building structure.

15. **01/05/21 – Question 15**
Bid Package 2, 9.03 - Cardio Room - JBL Control 26-DT does NOT ship with a back can and cannot be used in Plenum spaces, is this replacing an existing speaker or will a back can and grill be required?

Answer 15:
The Cardio Room has an exposed structure ceiling. Vendor to provide all the parts needed for installation of the speakers.

16. **01/05/21 – Question 16**
Bid Package 2, 11.02 - PowerLite 700U is EOL, replaced by PowerLite 800F (V11H923520) (White Color Model) and PowerLite 805F (V11H923620) (Black Color Model). Please specify color needed
Bid Package 2, 11.02 - For both the PL 800F and the PL 805F, the wall mount is ordered separately. You will need Ultra-Short Throw Wall Mount (ELPMB62) (V12HA06A05) for either of the new models

Answer 16:
The PowerLite 800F Short Throw Projector was verified to be the replacement model and it offers Brightness of 5000 Lumens compared with 4000 Lumens. The color will need to be selected by the Architect. The compatible Wall Mount is correctly shown as (ELPMB62) model numbers V12HA06A05.

17. **01/05/21 – Question 17**
Media Center shows as room C131 but it should be E131

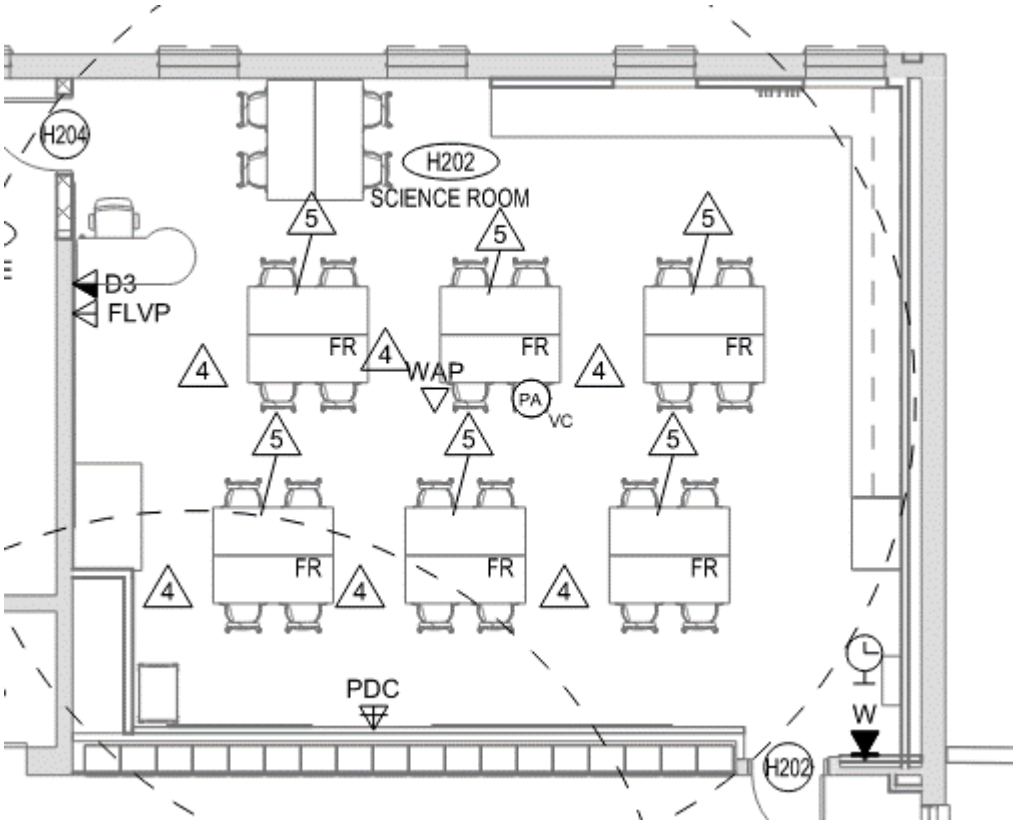
Answer 17:
Yes, this is a typo, and will be corrected moving forward.

18. **01/05/21 – Question 18**
TE-111E shows Media Center but there is no PDC or PS1 at the projector location, but it is mentioned in VIDEO PRESENTATION OUTLETS and AV SYSTEM SYMBOLS (PS1) on page TE-001.

Answer 18:
In the Media Center a Data Drop, or 2 drops, are not needed for the Short Throw Projector because all the video and control are done through the PVS 407D Switcher/Control Processor/Amp. A connection to the network can be added, if requested by the Owner.

19. **01/05/21 – Question 19**
PDC - missing in Science Room (H202) drawing TE-111H, is this correct?

Answer 19:
The PDC is shown on the Plan South wall on the Architectural Plans. It must be hidden on the Equipment Plans. Please check the plan below. The location is different from most classrooms.



20. <u>01/05/21 – Question 20</u>

The following equipment was discontinued and the replacement model needs to be called out. I have the below replacement that is a suggestion. It's important that we address this issue before the bid. Original: Panaray 802 Series IV Bose Panaray 802 Series IV
The suggested replacement model is the BOSE AMU208 BLACK ArenaMatch Utility.

<u>Answer 20:</u>

The DesignMax DM8S is the Bose recommended replacement. It is the same wattage at 70V (80W per speaker) as the AMU208 but is for inside only so it is less expensive.

21. <u>01/05/21 – Question 21</u>

Bid Package 1, When and where will the mock-up need to be installed? Will we need to disassemble it afterwards?

<u>Answer 21:</u>

The Project Manager will decide which classroom will be used for the mock-up. It should be installed as soon as possible after the award of the bid. It will need to be removed later. IT plans to test the cabling with their existing Dell computers and with existing iMacs. They will be ordering new iMacs for all the Teacher Stations and the Labs, if the budget allows. The Architect will be checking the depth of the display with the mount to make certain that it is less than 4".

22. <u>01/05/21 – Question 22</u>

Line 10.16 in Bid Package 2 calls for Extron S10-PkG. Extron only offers an ECM-S10, is this the item that was intended to be used? The suggested replacement model is the BOSE AMU208 BLACK ArenaMatch Utility.

Answer 22:
The Pkg designation was just a placeholder to generate a symbol and line 10.16 can be deleted. Using the Extron Partition Sensor Sets with the Extron control system would be preferable.

23. **01/05/21 – Question 23**
In the Gym there are 2 assisted listening systems called for, but they are not on the "riser" diagram. Do we really need 2 full systems and where are they to go in the system? Also please verify total # of receivers required for this space.

Answer 23:
The Assistive Listening System for the Gym is being changed from 2 IR Systems to one RF System with a equipment for 4 users and a second Antenna on the Bid List. A single gang back box will be added for an AL (Assistive Listening) connection to the Sound Rack. Eight (8) additional Ear Speakers, Neck Loops, and RF Receivers, along with two 4-Port Chargers are being added to accommodate a total of 12 users. The riser diagram is being updated to include the new equipment.

24. **01/05/21 – Question 24**
In the Cafeteria spaces, C113 and C114, there are 4 full Listen assistive listening systems called for in the spec but only one on the "riser" diagram. Please verify actual quantity of systems required. Also verify total # of receivers required for this space.

Answer 24:
The Cafeteria includes 4 separate Assistive Listening Systems because there the 113 Cafeteria can be divided into 3 rooms and C114 Expanded Cafeteria is a fourth space. Equipment for 4 users will be provided in each room. The Riser Diagram was updated to reflect the revisions.

25. **01/05/21 – Question 25**
It is our experience that IR systems can be troublesome in some venues since it relies on line-of-sight with the transmitter. Any situation where the emitter or receiver gets blocked, the signal will drop out. We strongly recommend changing this to an RF system from the same manufacturer (Listen Tech.) Please advise.

Answer 25:
We have been assured that the new IR Systems from Listen Technologies function well and are a better choice than RF systems for adjacent rooms. The RF signal can cause the sound to bleed through walls and create interference.

26. **01/05/21 – Question 26**
Since the Bose steerable arrays are grouped in 2 sets of 3, we need to understand how they are to be mounted and what the "steering" pattern(s) are. If the units are to be stacked one on top of the other creating one long column array, we definitely need to know how the steered lobes are to be directed. Elevations or cross sections of the building showing this would be immensely helpful. We also need to see how the columns are to be installed as "rigging hardware" is called out in the spec but there are no details to narrow this down for pricing. Please advise.

Answer 26:
Rigging hardware is a general allowance that is usually field verified. The concept is that the (6) speakers will be stacked on either side of the proscenium wall. These are steerable arrays so the adjustments are generally done through programming, as opposed to physically angling the speakers with rigging.

27. <u>01/05/21 – Question 27</u>

Spec calls out for a ClearCom wireless system with a base station and only one wireless headset. This is a very expensive set up for only one headset. Please verify quantity of wireless headsets

<u>Answer 27:</u>

This is not an inexpensive piece but allows for intercom (auditorium event communication, not messaging throughout school) anywhere in the room. Usually, there are multiple wall plates that allow for wired headsets. Current design is for wall stations (built in mic and speaker) in the changing rooms, a wired plate at Center of House and 2 wired headsets for these plates. Without knowing where else they might want to use intercom headsets, the single wireless headset allows for intercom communication anywhere in the room. If needed, more headsets can be added to the project.

28. <u>01/05/21 – Question 28</u>

Auditorium projector has wall mount hardware to attach it to the building and according to the floorplans, the projector is to be mounted on the stage wall and the screen will need to have rear projection fabric on it. The projector is listed as the standard package with the "stock" lens. Depending on the throw distance from the wall where it is mounted to the screen, it is likely this projector will require a special short throw lens which are costly. Please verify throw distance or supply correct lens model.

<u>Answer 28:</u>

This will not be a short throw lens as those are used when the projector and screen are only a couple of feet away. This projector has multiple lenses depending on distance of screen to projector and size of screen. The recommendation from Epson is to use the ELPLM15 (V12H004M0F) Len's with an 18.30' to 29.71' throw range. The exact lens model needs to be verified by the contractor in the field.

29. <u>01/05/21 – Question 29</u>

In the cafeteria, there are 2 screens listed but one (#37612L) does not have the fabric surface called out and we want to make sure we are providing the correct fabric.

<u>Answer 29:</u>

Surface will be 'Da-Mat'

30. <u>01/07/21 – Question 30</u>

How will the Amplifier for the Audio Enhancement Amplification System be mounted?

<u>Answer 30:</u>

The Amplifier will be mounted to the back of the Display with Velcro so it can be easily removed, if needed.

31. <u>01/07/21 – Question 31</u>

Bid Package #4 – Digital Keyboards - My CEO has a big problem with not only a 10% of the bid for a Bid Bond, (#10 in the Standard Instructions for Bidders) but then on #11 the town wants a performance /payment bond equal to the total bid, which in our case would be somewhere in the $15,000. To $16,000 range.

<u>Answer 31:</u>

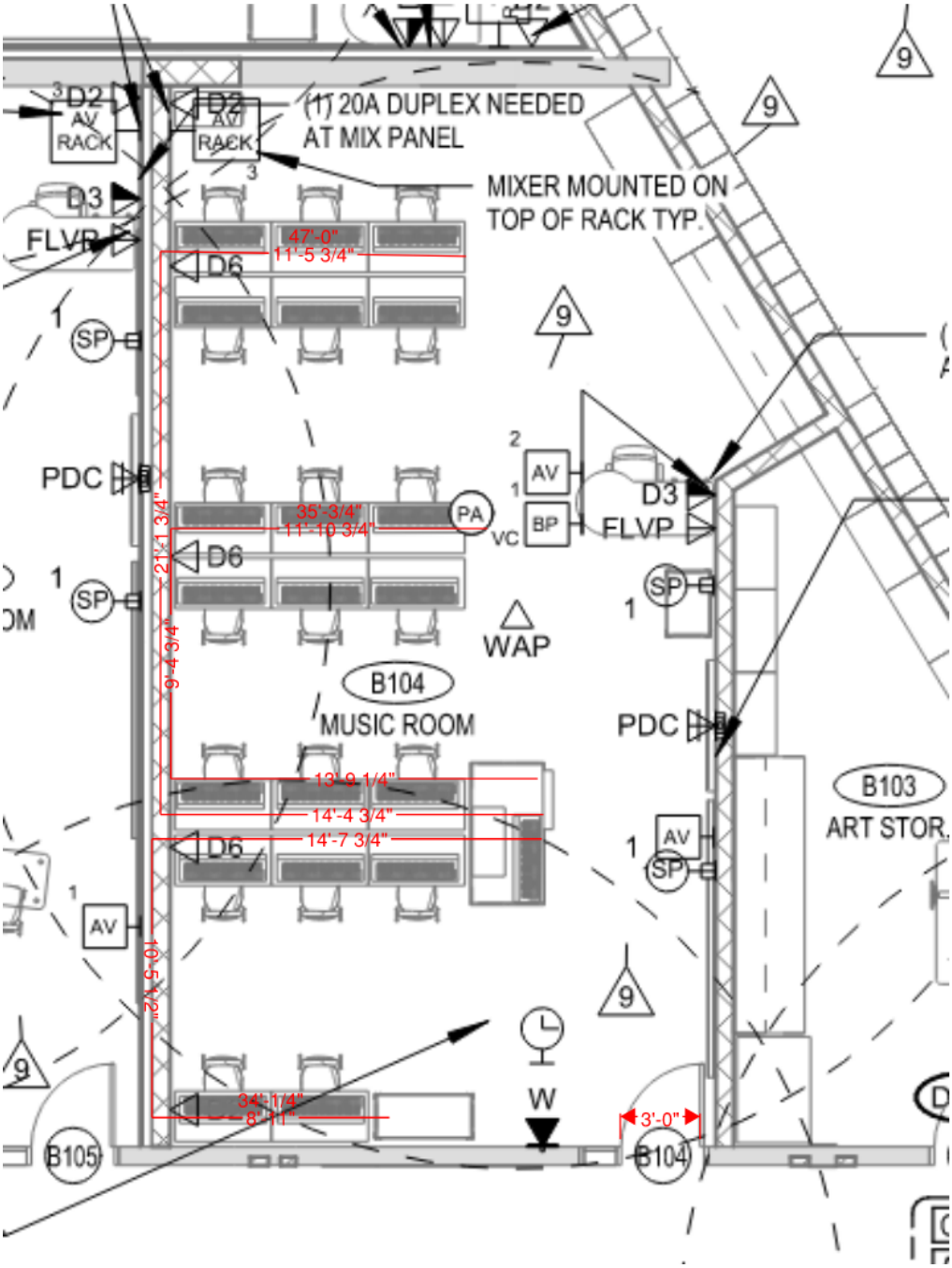
The Bid Bond and P&P bond are related specifically to construction contractors and not to vendors providing equipment. The Director of Finance this morning said that vendors bidding only on Bid Package #4 are welcome to submit a bid without the 10% Bid Bond. They should make a notation on their Bid Form that they are taking exception to the Bid Bond and Performance and Payment Bond requirements.

32. <u>01/07/21 – Question 32</u>

Bid Package #4 – Digital Keyboards - What is the furthest distance for the students from the teacher's lab controller in this room? The cables are a standard 10 Meters (about 31 ft.) Each Keyboard will need a cable run back to the Controller on the Teacher Station.

<u>Answer 32:</u>

14 runs will be over 30', so 14 Yamaha LC20 MS RJ45 Lab Connector cables – 20 Meters (60') will be added to the Bid List. The addition of Wiremold 4"H x 2"D for wire management by the Electrical Contractor on the Plan West wall will be requested.



33. <u>01/07/21 – Question 33</u>
Rack drawings missing.

<u>Answer 33:</u>
Please follow Signal Flow / Riser Diagram drawings and note any concerns with available Rack Space. Rack drawings to be submitted by successful bidder for approval.

34. <u>01/07/21 – Question 34</u>
Equipment on BOM that does not show up on signal flow drawings.

<u>Answer 34:</u>
Would need specific locations. Please review updated drawings and Bid Lists included in Addendum #2.

35. <u>01/07/21 – Question 35</u>
Interface plates missing thru out project.

<u>Answer 35:</u>
Drawing with Wall Plates was part of the construction drawings and is included with updated drawings.

36. <u>01/07/21 – Question 36</u>
Cannot locate Café Closet on drawings for the equipment rack. Missing the HDMI runs that are located on BOM list for Café Closet.

<u>Answer 36:</u>
Please review updated Signal Flow drawing for the Gym, lower right corner. No HDMI cables are listed in the Cafe Closet BOM. More details would be needed to answer.

37. <u>01/07/21 – Question 37</u>
Missing video signal path on most areas…please review the video paths on drawings.

<u>Answer 37:</u>
Need more specific information to be able to answer.

38. <u>01/07/21 – Question 38</u>
Drawing TE 401 – Display location for rooms B104, B105, B108, B131, B134 indicates NEC C861Q displays on the drawing. Is this supposed to be the Samsung displays?

<u>Answer 38:</u>
Yes, the brand and size of the Displays were changed to the Samsung QB65R.

39. <u>01/07/21 – Question 39</u>
No audio cabling going to classroom sound systems.

<u>Answer 39:</u>
Contractor to provide an audio cable from the Sentinel Amplifier to the Display so the Display sends Audio Out to the Sentinel System's Audio In.

40. <u>01/07/21 – Question 40</u>
TE-404 Cardio Room Drawing has Extron Net PA 1001-70VAT AMP on it but it's not on the BOM.

Answer 40:
The equipment is listed in the Café Closet BOM, item 12.06. Will be used for the Cardio Room but is listed in the Cafe Closet BOM since that is where the equipment is physically located. This is reflected on TE-404.

41. **01/07/21 – Question 41**
TE-405 Gym Drawing has Extron Equipment and Bose Equipment not listed in the BOM – Parts missing are Extron PS1220EB and Extron IPCP Pro 350. Bose Equipment missing on BOM are PM8500N and EX-1280 Processor.

Answer 41:
These items are listed in the Cafe Closet BOM. They will be used in the Gym and are physically located in the Gym rack, not the Cafe Closet rack, per drawing TE-405.

42. **01/07/21 – Question 42**
In the Media Center BOM there is no Extron Paging cut out on the BOM.

Answer 42:
Original bid docs listed this in Bid Package #1 (item 4.06). It is now part of the custom Extron Vault part number for the Media Center (Extron Custom #42-310-000784) which features wall box, arm and mount for a short throw wall projector and (10) ceiling speakers. The (5) other music rooms (B104, B105, B108, B131, B134) also have their paging clip factored into the custom Extron Vault system (Extron #42-331-001347) This paging clip is shown on drawing TE-401, detail #1 as the 'PFSC' to PA speaker.

43. **01/07/21 – Question 43**
No RS-232 cabling for the classrooms going from the VP1 controller to the display on the wall.

Answer 43:
This RS-232 connection is shown on drawing TE-401, detail #2 for the classroom video/control systems**.**

Note: Pages 13 – 17 that follow are part of questions received.

	Date Due:	01/05/2021 5:00pm		
RFI #	Date Submitted	Name / Description	Status (Red: Urgent)	Status / Resolution Details
1	01/05/21	On the Invitation to Bid document, page 2 of 188, it lists under the Bidder Requirements that we need to provide an "Update (Bid) Statement". Please provide more details on what is needed for this.		This applies to submissions over $500,000. Please review the DAS website below. https://portal.ct.gov/DAS/Procurement/PreQual/DAS-Construction-Contractor-Prequalification-Program/Documents
2	01/05/21	On the Bid invite , page 5 of 188, 4E - Bid must be signed by an authorized person representing the legal entity of the firm submitting the bid. Who should be signing and which documents?		A principal of the company should sign the Statement of Bidder's Qualifications on pages 185-186 and the Town of Enfield, CT Contract Form on page 188 of the Project Manual
3	01/05/21	On the Bid invite, page 15 of 188, please confirm that the category TE 4, 5 & 6, is not to be priced under state contract. If it is to be under State contract, which State contract should it be under? Also, please expand on the explanation of Public Bid. The confusion is Categories TE.4/5/6 is listed under "Public Bid" but the equipment form for Bid Package #1 and #2 have columns for List Price and % Discount which is usually how State Contract pricing is generated.		This project will not be purchased through the DAS AV contract because the dollar volume will be greater than $100,000. DAS requires an advertised bid and publication on their website. Pricing is expected to be equal to or lower than the contract. Including the discount from List Price makes it easier for the Reviewer to compare the bids with the State Contract.
4	01/05/21	Starting on page 160, there are forms that seem to be State Contract price forms and do those need to be filled out or should this be disregarded and go by the information on page 15 for Public Bid? Can we use our own price forms?		Please use the Bid Forms starting on page 160. Please provide an explanation for any reason that the forms cannot be filled out exactly, such as, pricing is a mark-up from dealer cost, not a discount from list pricing.
5	01/05/21	For the TE 4, 5, 6 & 7, when is the completion of the expected work due?		Please review the Phasing Plan shown on page 34 and refer to the Room Inventory List on pages 177 - 184.

	6	01/05/21	We found (2) equipment list breakdowns in the bid documents. One of them reflects (91) 4.12 Comprehensive 6' Cat6a Patch Cables for the TE4 Classroom Conference Room and Security Displays under Cables and Connectors. The other equipment list does not reflect these cables in this location. Please confirm if these cables are needed or not.		Yes, the Patch Cables shown on line 4.12 are needed. The Bid Forms beginning on page 160 should be followed and Contractors should also add in any parts needed for installation, configuration, and operation of the equipment not shown.
	7	01/05/21	On the Bid Package #1 equipment list breakdown for TE4, there is a line item 4.20 for (84) Audio Enhancement Sentinel Systems but we did not see any make or models for this. Please confirm if there are specific parts needed for this system or if this is a kit.		The Audio Enhancement Sentinel System is a kit that includes the CA-60 Amplifier, XD Receiver,Teacher Microphone, and Four Speakers.
	8	01/05/21	For Package #1 equipment list, it calls for bidders to carry labor to install Owner Provided Apple TVs. Do we need to carry any specific mounts for these or will something like zip ties or velcro work? Or will mounts be provided with the Apple TVs? How many of these Apple TVs will need to be installed?		The Apple TV's can be attached to the back of the Displays with Velcro. A Tilt-Mount will be used to make it easier to access the Apple TV. There will be 91 Apple TV's, one for each Classroom Display.
	9	01/05/21	For Package #1 equipment list, says to provide "Shunting of Displays for Publice Address System". Please provide more details on what this is and what it entails so we can carry appropriate labor and/or hardware to accomplish this requirement.		This refers to connecting a dry contact from the PA System to the PA Mute Terminals on the Audio Enhancement Amplifier to mute the sound from the Displays for PA announcements.
	10	01/05/21	Several location's equipment list include the Listen Technologies LS-92-01 that includes several pieces including (4) LA-401, (4) LR-4200-IR-P1 and (4) LA-430. These room's equipment list also reflect these included items like the LA-401, LR-4200 and LA-430 on separate line items. Are these separate line items in addition to the quantity already included in the LS-92-01 kits or total number of items? An example is the Gym which has (2) LS-92-01 which would include (8) LR-4200-IR and also shows a separate line item for (8) LR-4200-IR. Should there be (8) total that are included in the LS-92-01 kit or should there be a total of (16) LR-4200-IR including (8) in the LS-92-01 kit and (8) additional?		The Gym Assistive Listening System was changed to an RF System. In general, if additional components are shown, they represent additional sets of receivers, ear speakers and neck loops needed for ADA requirements.
	11	01/05/21	In the Auditorium, there are (2) LS-92-01 (Item 4.33) but we only see (1) on drawing TE-402. Please confirm if the 2nd kit is needed and how it connects to the system		There will be (1) LS-92-01 IR Assistive Listening Kit with additional parts on the next 4 lines. It will connect to the system at the AL outlet
	12	01/05/21	For the Cafeteria (C113/C114), line item 8.29 reflects a quantity of (4) Listen LS-92-01 assisted listening kit that includes a LT-84-01 transmitter. Drawing TE-403 reflects (2) LT-84-01 transmitters. Please confirm if (4) of the Listen LS-92-01 kits are needed, if they connect to the Cafeteria system or if they will be used elsewhere.		There will be 4 separate kits in the Cafeteria because Room 113 can be divided into 3 spaces and 114 needs its own system.

	14	01/05/21	Item 10.22 for the Gym (C121) is for (2) Listen LS-92-01 assisted listening kits but we did not see them reflected on drawing TE-405. Please confirm if these are needed and how they connect to the Gym system.		1 RF Assistive Listening Kit will be included for the Gym. It is shown on the updated drawing
	15	01/05/21	Item 12.09 is for an Extron PS 1220EB power supply and distribution hub for the Cafe Closet Rack. We did not see this on the TE-403 system flow for the Cafeteria. We did see it on the TE-405 system flow drawing for the Gym, located in the C121 Gym rack. Please confirm correct quantity and location for the Extron PS 1220EB.		Part is for the Equipment Rack in Gym and will be moved to the Gym parts list
	16	01/05/21	The TE.6 Cafe Closet Equipment Rack reflects (2) UPSs (Middle Atlantic UPS-2200R-8IP, APC SMT1500RM2UC). Please confirm if both are needed.		1 UPS will be sufficient. 12.15 from APC will be eliminated
	17	01/05/21	It looks like the Cafeteria (C113/114), Cardio Room (C117) and Gym (C121) are sharing the 12.11 Middle Atlantic BGR-4532-AV equipment rack. It also looks like in the Gym, there is a 2nd rack (10.18 Middle Atlantic PTRK-1426) that houses several pieces of equipment specifically for the Gym. For the Gym system, it is only using the 12.10 Pakedge SX-24P network switch located in the Cafe Closet rack. Please confirm if this is a correct understanding. We also noticed that these (3) spaces are sharing the Pakedge SX-24P network switch. Please confirm there is no distance concerns between equipment in the Gym and Cardio spaces and the Cafe closet rack. The category cable being used for these connections is generally good for around 300'.		The Gym is utilizing equipment in 2 racks. The Pakedge Network switch in the Cafeteria Rack is being used by the Gym, Cardio Room, and Cafeteria. The distance needs to be checked in the field by the contractor after award of the bid
	18	01/05/21	Please confirm the cable pathway for the classrooms. We have a premade hdmi cable coming from a wall plate to the display and raw cable from the wall controller to the display. Will there be conduit or another type of pathway or will we be "fishing" walls.		There are existing back boxes in the wall with 1-1/4" conduits stubbed up to accessible ceiling for the Displays. If needed, the Button Panel can be surface mounted.
	19	01/05/21	Please confirm the cable pathway for non-classroom spaces with various equipment locations and racks. Will there be conduits, cable trays or other pathways or will we be "fishing" walls, installing j-hooks or in general creating our own cable pathways.		There are existing back boxes in the wall with 1-1/4" conduits stubbed up to accessible ceiling for the Displays. If needed, the Button Panel can be surface mounted.
	20	01/05/21	On Item #12 on the 'Statement of Bidder's Qualification', it says "List your major equipment available for this Contract." Please expand on exactly what we are to provide for this. Is this a list of manufacturers? Is it a list of equipment in our shop we have for replacements? Do we need to provide spare equipment for service calls? If we are to provide spare equipment, please provide a list of specific items we should carry.		Vehicles, availability of loaner equipment can be noted. Resources such as number of technicians and availability of an in-house electrician could be added. There is no requirement to keep spare parts in stock.

	21	01/05/21	Will there be blocking for all display locations or do we need to provide and install a thin strut solution that spans wall studs.		Blocking will be provided as part the construction contract
	22	01/05/21	For the Auditorium, in drawing TE-111B the Stage Left speaker array "SP 2" and Touch Panel "TP 1" are shown in the Hallway to the south of the Auditorium, The House right symbols: "A", "AV 3" and "M" appear off the wall with no seeming connection point to a wall, the Auditorium AV rack seems to be in the middle of a doorway. The Stage Right symbols "SP 2", "M", & "AV 3" appear to be mounted to the piano, A symbol for the assisted listening emitter does not appear on this drawing, No intercom plate locations are shown. The projector symbol appears to be off-center to the screen. There also appear to be an extra audio input plate symbol "A" at Stage right. Please confirm actual placement of equipment in this space.		Symbol locations are being edited on the plans
	23	01/05/21	For the Choral room B108, on drawing TE-111B, "AV 1" & "BP" do not appear to have a connection point to a wall. Please confirm placement on wall.		Symbol locations are being edited on the plans
	24	01/05/21	For Choral room B108, Music room B105, & Orchestra room B131; Drawing TE-111B, the wall mounted speakers appear to be placed at the center and left(right) of the class, this does not seem optimal for a stereo sound system. Please confirm this is correct placement.		Symbol locations are being edited on the plans
	25	01/05/21	For Orchestra room B131, Drawing TE-111B, "AV 1" & "BP" do not appear to have a wall connection point, please confirm placement on wall.		Symbol locations are being edited on the plans
	26	01/05/21	For Orchestra room B131, Music room B105, Music Room B104, Band room 134, Choral Room B108; The specifications call for a rooling rack where drawing TE-111B shows a symbol for wall mounting. Please confirm rack type.		Wall Rack was changed to a Rolling Rack. Please follow the Bill of Materials
	27	01/05/21	For Cafeteria C113, Drawing TE-111C, the ALS and wireless mic antennas do not appear to have a wall connection, are these mounted in the ceiling?		Please see updated drawing for locations
	28	01/05/21	For Cafeteria C114, Drawing TE-111C, the ALS does not appear to have a wall connection, is this mounted in the ceiling?		Please see updated drawing for ALS locations
	29	01/05/21	For Cardio C117, Drawing TE-111C, the audio input plates "A" do not appear to have a wall location, and an AV rack appears to have been placed in the middle of the room. please confirm locations.		Symbol locations are being edited on the plans

	30	01/05/21	For Gym C121, Drawing TE-111C, the "A" & "BP3" symbols does not appear to have any wall connection points and the AV rack appears to be in the doorway, please confirm locations		Symbol locations are being edited on the plans
	31	01/05/21	The Music and Band spaces on TE.6 list an Extron DTP HDMI 4K 230 Rx and DTP HDMI 4K 230 Tx that is not shown on the TE-401 drawings. These drawings show the PVT HDMI and PVT RGB interface plates. Are the DTP HDMI 4K 230 Rx and Tx needed?		The 2 - DTP wall plates were removed from the equipment list in the Music Rooms, Choral Room, Orchestra, and Band Room
	32	01/05/21	For Gym C121, Drawing TE-111C, shows 2 "A" & "BP3" symbol locations, where drawing TE-405 shows 3. Please confirm correct quantity.		There will be 3 "A" panels and 3 "BP3" panels, please see updated drawing and Bid List

END OF QUESTIONS & ANSWERS

17

BID PACKAGE #1							
Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
TE4 CLASSROOM CONFERENCE ROOM AND SECURITY DISPLAYS							
	B104 Music						
	Audio-Visual System						
4.01	~~1~~	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	B105 Music Room						
	Audio-Visual System						
4.02	~~1~~	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	B108 Choral Room						
	Audio-Visual System						
4.03	~~1~~	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	B131 Orchestra						
	Audio-Visual System						
4.04	~~1~~	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	B134 Band Room						
	Audio-Visual System						
4.05	~~1~~	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	E131 Media Center						
	Audio-Visual System						
4.06	1	EXTRON	Extron PPS 35 Paging Clip - Included in the updated Extron PlenumVault System				
	Classrooms, Conference Rooms, and Security						
	Control System						
4.07	91	EXTRON	Extron MLC 62 RS D MediaLink Controller with RS-232 Control - Decora Wallplate				
	Cables and Connectors						
4.08	2	Belden 18-2C-P-WHT	18 AWG, 2 connector, 7 strand, plenum speaker cable. 1000' roll white				
4.09	2	Belden 22-2C-PSH-WHT	22 AWG, 1 pair, plenum, shielded intercom/paging/public address cable. 1000' roll white				
4.1	91	Comprehensive HD18G-12PROBLK	Pro AV/IT Certified 18Gb 4K High Speed HDMI Cable with ProGrip 12ft Black				
4.11	91	Comprehensive HD18G-50PROBLKA	Pro AV/IT 18G 4K High Speed HDMI Cable with ProGrip 50ft Black (active)				
4.12	91	Comprehensive	6' Cat6A Patch Cable to connect Display to Network - Black				
4.13	3	Liberty DL-ARDA	Universal HDMI Adapter Ring 2.0 with 5 Cable Adapters including 2 Apple Certified Adapters for Conference Rooms				
	Mounts and Hardware						
4.14	91	Chief LTM1U	Large Fusion Micro-Adjustable Tilt Wall Mount				
4.15	91	Chief PAC115	Metal Stud Anchor Kits				
	Displays						
4.16	91	Samsung QB65R	65"3840x2160 4K LED 16/7 WiFi Tizen 4.0 Bluetooth HDMI 2.0 IP5X				
	Wall Plates						
4.17	91	C2G HDMI Decora Wallplate	HDMI Decora Wallplate				
	INSTALLATION						
4.18	Installation to include Freight and Delivery to site, Rental of Lift, Installation of all cabling and equipment, Shunting of Displays for Public Address System, Testing, and 4 Hours of Instruction on operation for users						
4.19	Installation to include Mounting of Owner Provided Apple TV to back of Display. Total Depth of Display, Mount, and Apple TV shall be 4" or less.						
	INSTALLATION OF CLASSROOM SOUND SYSTEM WITH 4 SPEAKERS						
4.20	84	Audio Enhancement Sentinel System	Provide Amplifier, Reciever, Teacher Microphone, 4 Speakers, AV Cabling, Shunting of Displays for Public Address System. Delete parts not needed from configuration above.				

BID PACKAGE #1

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
	TE5 DIGITAL SIGNAGE						
	Audio-Visual System						
5.01	12	Chief LTM1U	Large Fusion Micro-Adjustable Tilt Wall Mount				
5.02	12	Chief PAC115	Metal Stud Anchor Kits				
5.03	12	Comprehensive CAT6-5PROBLK	Pro AV/IT Cat6 Cable, RJ45 Male to RJ45 Male Heavy Duty Patch Cable - Black 5ft - 550 Mhz				
5.04	12	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
5.05	12	Samsung QB65R	65" 3840x2160 4K LED 16/7 WiFi Tizen 4.0 Bluetooth HDMI 2.0 IP5X				
5.06	12	Vivitek NovoDS	Vivitek NovoDS UHD Digital Signage Player				
5.07	12	Comprehensive	6' Cat6A Patch Cable to connect Display to Network - Black				
	INSTALLATION						
	Professional Services and Labor						
5.08	Installation to include Freight and Delivery to site, Rental of Lift, Installation of all cabling and equipment with Prevailing Wage Rates, Testing, and 8 Hours of Instruction on operation for users						
5.09			**TOTAL PROJECT COST**				
5.10	1	Optional	Cost per Display to supply and install Plexiglas Covers on Digital Signs				
	All Products and Services shown will be eligible for reimbursement						
	Bid Bond of 10% in the form of a Bank Certified Check, a Bank Check, or a Surety Company Bond to be submitted with Bid.						
	Refer to Standard Instructions To Bidders for details.						

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
TE6 CLASSROOM AND SPECIALTY ROOM SOUND SYSTEMS							
1	**B104 Music Room**						
	Audio-Visual System						
1.01	4	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
1.02	1	ART HeadAmp6PRO	ART HeadAmp6PRO Rack-Mount 6- Channel Stereo Headphone Amplifier				
1.03	4	Atlas Sound MS- 10CE	All-Purpose Mic Stand Black				
1.04	4	Atlas Sound PB21XEB	Extendable length boom ebony 2 -lb counterweight				
1.05	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
1.06	4	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
1.07	~~1~~	~~Extron DTP HDMI 4K 230 Rx~~	~~HDMI Twisted Pair Extender~~				
1.08	~~1~~	~~Extron DTP HDMI 4K 230 Tx~~	~~HDMI Twisted Pair Extender~~				
1.09	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
1.10	1	Extron MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure				
1.11	1	Extron MLC Plus 100	MediaLink Plus Controller Included in Extron 42-331-001347				
1.12	1	Extron ~~MPA 601-70V~~ XPA 1002 (60-849-01)	~~70 V Mono Amp - 60 Watts~~ Two Channel Low and High Impedance Amplifier - 60 Watts Per Channel @ 8 Ohms				
1.13	1	Extron PS 1215 C	12V, 1.5A, Captive Screw Connector Includes a ZipClip				
1.14	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
1.15	1	Extron PS 1242	12 V, 4.2 A, Quarter Rack, 3 Captive Screw Ports				
1.16	1	Extron PVM 220	PoleVault Plenum Ceiling Enclosure Included in Extron 42-331-001347				
1.17	1	Extron PVS 407D	PoleVault Switcher Included in Extron 42-331-001347				
1.18	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate Included in Extron 42-331-001347				
1.19	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate Included in Extron 42-331-001347				
1.20	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
1.21	1	Extron VLR 302	VoiceLift Pro Receiver Included in VLR 3002H				
1.22	1	Extron ~~WVS 211D~~ 42-331-001347	~~2+2 Input Digital WallVault with WMK 160~~ Custom Digital PlenumVault System. Includes (2) Pair FF 220T Speakers, PVT HDMI, PVS 407D, MLC Plus 100, PVT HD RGB, PPS 35 and PVM 220				
1.23	1	Extron ZipClip 100 - Single	ZIPCLIP 100 - Single Piece				
1.24	1	Extron ZipClip 200 - Single	ZIPCLIP 200 Single Piece				
1.25	2	~~JBL CONTROL 28-1- WH~~ Extron SM 28 White (Pair)	~~8" Two-Way Vented Loudspeaker, Invisiball® Installation System (plus U- bracket attachment points). 45 Hz - 20kHz Frequency Range. 120 Watts Cont. Pink Noise Power Handling (480W peak) at 8 ohms plus~~ SpeedMount Two-Way Surface Mount Speakers with 8" Woofer				
1.26	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
1.27	2	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
1.28	2	Neutrik NC3MD-S-1- B	D-Series Panel Mount XLR MALE with Screw Terminals On Rear Black/Gold				
1.29	2	RDL D-D2	Double plate for standard and specialty connectors				
1.30	1	Shure MV51	USB Digital Large-Diaphragm Condenser Microphone				
1.31	2	Shure MX202W-A/N	White Overhead Microphone - No Cartridge				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
1.32	2	Shure R183W	Omnidirectional Cartridge - White				
1.33	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
1.34	2	Sony MDR7506	Large diaphragm foldable headphone designed for professional studio and live/broadcast applications.				
1.35	1	Tascam SS-CDR250N	Two-channel recorder/player for network applications with a variety of remote control options.				
1.36	1	Yamaha MGP16X	Yamaha MGP16X 16-channel Mixer with USB and FX				
	Equipment Rack and Furniture						
1.37	1	Middle Atlantic PD- 915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
1.38	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
1.39	1	Middle Atlantic TD4	7" TD series rack drawer				
1.40	1	Panel Crafters Custom Rack Plate	1u plate dual XLR input				
1.41	~~1~~	~~Rack Hardware - 13RU - 30RU Accessory~~	~~Misc Accessory rack hardware for 13RU - 30RU racks~~				
1.42	~~1~~	~~Rack Hardware - 13RU - 30RU Core~~	~~Misc Core rack hardware for 13RU - 30RU racks~~				
1.43	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
1.44				**B104 Music Room Total Product**			
1.45						**Installation**	
1.46				**1 - B104 Music Room Total Cost**			
2	**B105 Music Room**						
	Audio-Visual System						
2.01	4	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
2.02	1	ART HeadAmp6PRO	ART HeadAmp6PRO Rack-Mount 6- Channel Stereo Headphone Amplifier				
2.03	4	Atlas Sound MS- 10CE	All-Purpose Mic Stand Black				
2.04	4	Atlas Sound PB21XEB	Extendable length boom ebony 2 -lb counterweight				
2.05	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
2.06	4	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
2.07	~~1~~	~~Extron DTP HDMI 4K 230 Rx~~	~~HDMI Twisted Pair Extender~~				
2.08	~~1~~	~~Extron DTP HDMI 4K 230 Tx~~	~~HDMI Twisted Pair Extender~~				
2.09	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
2.10	1	Extron MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure				
2.11	1	Extron MLC Plus 100	MediaLink Plus Controller Included in Extron 42-331-001347				
2.12	1	Extron ~~MPA 601-70V~~ XPA 1002 (60-849-01)	~~70 V Mono Amp - 60 Watts~~ Two Channel Low and High Impedance Amplifier - 60 Watts Per Channel @ 8 Ohms				
2.13	1	Extron PS 1215 C	12V, 1.5A, Captive Screw Connector Includes a ZipClip				
2.14	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
2.15	1	Extron PS 1242	12 V, 4.2 A, Quarter Rack, 3 Captive Screw Ports				
2.16	1	Extron PVM 220	PoleVault Plenum Ceiling Enclosure Included in Extron 42-331-001347				
2.17	1	Extron PVS 407D	PoleVault Switcher Included in Extron 42-331-001347				
2.18	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate Included in Extron 42-331-001347				
2.19	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate Included in Extron 42-331-001347				
2.20	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
2.21	1	Extron VLR 302	VoiceLift Pro Receiver Included in VLR 3002H				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
2.22	1	Extron ~~WVS 211D~~ 42-331-001347	~~2+2 Input Digital WallVault with WMK 160~~ Custom Digital PlenumVault System. Includes (2) Pair FF 220T Speakers, PVT HDMI, PVS 407D, MLC Plus 100, PVT HD RGB, PPS 35 and PVM 220				
2.23	1	Extron ZipClip 100 - Single	ZIPCLIP 100 - Single Piece				
2.24	1	Extron ZipClip 200 - Single	ZIPCLIP 200 Single Piece				
2.25	2	~~JBL CONTROL 28-1- WH~~ Extron SM 28 White (Pair)	~~8" Two-Way Vented Loudspeaker, Invisiball® Installation System (plus U- bracket attachment points). 45 Hz - 20kHz Frequency Range. 120 Watts Cont. Pink Noise Power Handling (480W peak) at 8 ohms plus~~ SpeedMount Two-Way Surface Mount Speakers with 8" Woofer				
2.26	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
2.27	2	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
2.28	2	Neutrik NC3MD-S-1- B	D-Series Panel Mount XLR MALE with Screw Terminals On Rear Black/Gold				
2.29	2	RDL D-D2	Double plate for standard and specialty connectors				
2.30	1	Shure MV51	USB Digital Large-Diaphragm Condenser Microphone				
2.31	2	Shure MX202W-A/N	White Overhead Microphone - No Cartridge				
2.32	2	Shure R183W	Omnidirectional Cartridge - White				
2.33	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
2.34	2	Sony MDR7506	Large diaphragm foldable headphone designed for professional studio and live/broadcast applications.				
2.35	1	Tascam SS-CDR250N	Two-channel recorder/player for network applications with a variety of remote control options.				
2.36	1	Yamaha MGP16X	Yamaha MGP16X 16-channel Mixer with USB and FX				
	Equipment Rack and Furniture						
2.37	1	Middle Atlantic PD- 915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
2.38	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
2.39	1	Middle Atlantic TD4	7" TD series rack drawer				
2.40	1	Panel Crafters Custom Rack Plate	1u plate dual XLR input				
2.41	~~1~~	~~Rack Hardware - 13RU - 30RU Accessory~~	~~Misc Accessory rack hardware for 13RU - 30RU racks~~				
2.42	~~1~~	~~Rack Hardware - 13RU - 30RU Core~~	~~Misc Core rack hardware for 13RU - 30RU racks~~				
2.43	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
2.44				**B105 Music Room Total Product**			
2.45						**Installation**	
2.46				**2 - B105 Music Room Total Cost**			
3	**B108 Choral Room**						
	Audio-Visual System						
3.01	4	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
3.02	1	ART HeadAmp6PRO	ART HeadAmp6PRO Rack-Mount 6- Channel Stereo Headphone Amplifier				
3.03	4	Atlas Sound MS- 10CE	All-Purpose Mic Stand Black				
3.04	4	Atlas Sound PB21XEB	Extendable length boom ebony 2 -lb counterweight				
3.05	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
3.06	4	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
3.07	~~1~~	~~Extron DTP HDMI 4K 230 Rx~~	~~HDMI Twisted Pair Extender~~				
3.08	~~1~~	~~Extron DTP HDMI 4K 230 Tx~~	~~HDMI Twisted Pair Extender~~				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
3.09	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
3.10	1	Extron MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure				
3.11	1	Extron MLC Plus 100	MediaLink Plus Controller Included in Extron 42-331-001347				
3.12	1	Extron ~~MPA 601-70V~~ XPA 1002 (60-849-01)	~~70 V Mono Amp - 60 Watts~~ Two Channel Low and High Impedance Amplifier - 60 Watts Per Channel @ 8 Ohms				
3.13	1	Extron PS 1215 C	12V, 1.5A, Captive Screw Connector Includes a ZipClip				
3.14	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
3.15	1	Extron PS 1242	12 V, 4.2 A, Quarter Rack, 3 Captive Screw Ports				
3.16	1	Extron PVM 220	PoleVault Plenum Ceiling Enclosure Included in Extron 42-331-001347				
3.17	1	Extron PVS 407D	PoleVault Switcher Included in Extron 42-331-001347				
3.18	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate Included in Extron 42-331-001347				
3.19	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate Included in Extron 42-331-001347				
3.20	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
3.21	1	Extron VLR 302	VoiceLift Pro Receiver Included in VLR 3002H				
3.22	1	Extron ~~WVS 211D~~ 42-331-001347	~~2+2 Input Digital WallVault with WMK 160~~ Custom Digital PlenumVault System. Includes (2) Pair FF 220T Speakers, PVT HDMI, PVS 407D, MLC Plus 100, PVT HD RGB, PPS 35 and PVM 220				
3.23	1	Extron ZipClip 100 - Single	ZIPCLIP 100 - Single Piece				
3.24	1	Extron ZipClip 200 - Single	ZIPCLIP 200 Single Piece				
3.25	2	~~JBL CONTROL 28-1- WH~~ Extron SM 28 White (Pair)	~~8" Two-Way Vented Loudspeaker, Invisiball® Installation System (plus U- bracket attachment points). 45 Hz - 20kHz Frequency Range. 120 Watts Cont. Pink Noise Power Handling (480W peak) at 8 ohms plus~~ SpeedMount Two-Way Surface Mount Speakers with 8" Woofer				
3.26	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
3.27	2	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
3.28	2	Neutrik NC3MD-S-1- B	D-Series Panel Mount XLR MALE with Screw Terminals On Rear Black/Gold				
3.29	2	RDL D-D2	Double plate for standard and specialty connectors				
3.30	1	Shure MV51	USB Digital Large-Diaphragm Condenser Microphone				
3.31	2	Shure MX202W-A/N	White Overhead Microphone - No Cartridge				
3.32	2	Shure R183W	Omnidirectional Cartridge - White				
3.33	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
3.34	2	Sony MDR7506	Large diaphragm foldable headphone designed for professional studio and live/broadcast applications.				
3.35	1	Tascam SS-CDR250N	Two-channel recorder/player for network applications with a variety of remote control options.				
3.36	1	Yamaha MGP16X	Yamaha MGP16X 16-channel Mixer with USB and FX				
	Equipment Rack and Furniture						
3.37	1	Middle Atlantic PD-915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
3.38	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
3.39	1	Middle Atlantic TD4	7" TD series rack drawer				
3.40	1	Panel Crafters Custom Rack Plate	1u plate dual XLR input				
3.41	~~1~~	~~Rack Plate~~	~~Misc Accessory rack hardware for 13RU - 30RU racks~~				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
3.42	~~1~~	~~Rack Hardware - 13RU - 30RU Core~~	~~Misc Core rack hardware for 13RU - 30RU racks~~				
3.43	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
	Intercom						
3.43	1	Clear-Com KB-701	Single-Channel flush-mount PTT speaker station: Encore single-channel half-duplex flush-mount push-to-talk speaker/microphone station. Mounts in a four-gang box, console, or accessory enclosure 21.6cm/8.25" x 11.4cm/4.5".				
3.45				**B108 Choral Room Total Product**			
3.46						**Installation**	
3.47				**3 - B108 Choral Room Total Cost**			
4	**B121 Auditorium**						
	Audio-Visual System						
4.01	1	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
4.02	1	Arlington LV4	4 Gang Low Voltage Mounting Bracket				
4.03	2	Atlas Sound MS-10CE	All-Purpose Mic Stand Black				
4.04	1	Attero Tech unD6IO- BT	Dante™ Networked Audio Wall Plate - 4x2 Multi I/O with Bluetooth® Audio - White				
4.05	1	Bose ControlSpace EX-1280 Processor	Processor includes 12 mic/line analog inputs, 8 analog outputs, 8 AmpLink digital outputs, 64x64 Dante™ and a flexible, open architecture signal processing.				
4.06	6	Bose Panaray MSA12X Digital Beam-Steering Loudspeaker - B	Digital Beam-Steering Loudspeaker				
4.07	6	Bose Speaker Rigging	Speaker Mounting/Rigging Hardware				
4.08	1	Chief CMS012W	FIXED PIPE 12 White				
4.09	1	Chief RPAUW	UNIVERSAL RPA WHITE				
4.10	1	Chief WMA2S	Heavy Duty Wall Mount Accessory, Dual Stud, Silver				
4.11	2	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
4.12	1	Da-Lite 37620LC	Tensioned Contour Electrol Format: Wide (16:10) Size: 87" x 139" or 164" diagonal Surface: Da-Tex Options: None 56" total black drop				
4.13	1	Da-Lite Screen Rigging	Screen Mounting/Rigging Hardware				
4.14	1	Denon Pro DN-500BDMKII	Blu-Ray, DVD & CD/SD/USB Player				
4.15	1	Epson Pro L1490U	WUXGA/4Ke 8000 Lumens				
4.16	2	Extron DTP T HWP 4K 231 D-W	DTP Transmitter for HDMI - Decora® Wallplate *White*				
4.17	1	Extron IN1608 xi IPCP MA 70	Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension Control Processor and 70 V Mono Amp				
4.18	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
4.19	1	Leviton PJ264-W	Decora 4 Gang Midway Nylon Wall Plate - White				
4.20	4	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
4.21	2	RDL D-D2	Double plate for standard and specialty connectors				
4.22	2	Shure SLX Included 1/4 Wave Antenna - PKG	Included wireless antenna for SLX Series -PKG				
4.23	1	Shure SLX14/85 -G4	Wireless System With Lavalier Mic				
4.24	1	Shure SLX14/85-G4	Wireless System With Lavalier Mic				
4.25	1	Shure SLX24/BETA58 -G4	Includes SLX2/BETA58 Handheld Transmitter with BETA58 Microphone				
4.26	1	Shure SLX24/BETA58-G4	Includes SLX2/BETA58 Handheld Transmitter with BETA58 Microphone				
4.27	2	Shure SM58S	Cardioid Dynamic, On-Off Switch				
4.28	1	Shure UA844+SWB	Wideband UHF (470-952 MHz) Five-Way Active Antenna Splitter and Power Distribution System, external power supply. For QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers.				
	Control System						

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
4.29	1	Extron SMK 3 - White	Surface Mount Kit for TLP Pro 1025M and TLS 1025M - White				
4.30	1	Extron TLP Pro 1025M - White	10" white Wall Mount Touchlink Pro Touchpanel				
4.31	1	Extron TLP Pro 1025T	10" Tabletop TouchLink Pro-Touchpanel				
4.32	1	Pakedge MS-1212	Pakedge® MS Series Layer 3 Managed Switch with OvrC | 12 1G PoE+, 190W, 2 10G SFP+				
	Assistive Listening						
4.33	1 ~~2~~	Listen Technologies LS-92-01 Level III System	ListenIR IDSP Level III System with One (1) LT-84-01 ListenIR Transmitter/Radiator Combo Four (4) LR-4200-IR Intelligent DSP IR Receiver Four (4) LA-430 Intelligent Ear Phone/Neck Loop Lanyard Four (4) LA-401 Universal Ear Speaker One (1) LA-422 USB to Micro USB Cable One (1) LA-381-01 Intelligent 12-Unit Charging Tray One (1) LA-382 Intelligent Cable Management Unit One (1) LA-904 Listen Dispensing Log Book				
4.34	1	Listen Technologies LA-901	[NB] - Listen Disinfecting Wipes (Cylinder 75 Ct)				
4.35	14	Listen Technologies LA-401	[NB] - Universal Ear Speaker				
4.36	14	Listen Technologies LA-430	[NB] - Intelligent Ear Phone/Neck Loop Lanyard				
4.37	14	Listen Technologies LR-4200-IR-P1	[NB] - Single channel IR receiver with DSP, include LA-430 loop and LA-401 earspeaker				
	Equipment Rack and Furniture						
4.38	1	Middle Atlantic BGR-19SA-27LRD	19 Space Bgr Series Stand Alone Rack Enclosure Without Rear Door, 27" Depth				
4.39	1	Middle Atlantic BGR-RDC19	CABLE ENTRY REAR DOOR OPTION FOR 19 SPACE BGR RACKS, BLACK FINISH				
4.40	1	Middle Atlantic BGR-RR19	Rackrail, 10-32, 19 RU, BGR Series				
4.41	1	Middle Atlantic CBS-BGR	SKIRTED WHEELBASE, FITS BGR, INCLUDES CASTERS				
4.42	1	Middle Atlantic FAN2-DC-FC	DC Fan Kit, 138 CFM, 4-1/2", Thermo Controller				
4.43	1	Middle Atlantic PD-915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
4.44	1	Middle Atlantic PFD-19A	Plexi Front Door, 19 RU Racks, Curved				
4.45	1	Middle Atlantic TD2	2 RU drawer				
4.46	1	Middle Atlantic TD4	7" TD series rack drawer				
4.47	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
	Intercom						
4.48	1	Clear-Com AC50	AC50 battery charger US kit: Battery charger, 4-port quick charger with power supply, US plug, 110-240 VAC, for BAT50 batteries.				
4.49	2	Clear-Com CC-300- X4	Single Ear Headset				
4.50	1	Clear-Com DX410	BS410 base station without headset: DX410 wideband 7KHz, 2 channel base station w/2 antennas. 115-230 VAC power supply, includes power cord.				
4.51	1	Clear-Com MS-702	2 Ch. headset/speaker main station: Encore two-channel headset/speaker main station. Built-in 1-amp (2-amp peak) power supply, 1RU rack mount. Three XLR-3 Male connectors for each partyline A and B, one XLR-3 female for Program Audio in and one XLR-3 Male for Stage Announce out on the rear panel				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
4.52	2	Clear-Com RS-703	2 Ch. TW dual listen monaural beltpack: Encore two-channel/three-pin dual listen monaural beltpack. Four-pin male headset connector. Three-pin female/male loop through intercom line connectors. Requires a TWC-701.				
4.53	1	Clear-Com WH-410	WH410 wireless headset: DX410 wideband 7KHz, two-channel all- in-one lightweight wireless headset with 2 BAT50 batteries, for use with DX410 base Station.				
4.54						**B121 Auditorium Total Product**	
4.55						**Installation**	
4.56						**4 - B121 Auditorium Total Cost**	
5	**B121 Auditorium: Changing Room 1**						
	Intercom						
5.01	1	Clear-Com KB-701	Single-Channel flush-mount PTT speaker station: Encore single-channel half-duplex flush-mount push-to-talk speaker/microphone station. Mounts in a four-gang box, console, or accessory enclosure 21.6cm/8.25" x 11.4cm/4.5".				
	B121 Auditorium: Changing Room 2						
	Intercom						
5.02	1	Clear-Com KB-701	Single-Channel flush-mount PTT speaker station: Encore single-channel half-duplex flush-mount push-to-talk speaker/microphone station. Mounts in a four-gang box, console, or accessory enclosure 21.6cm/8.25" x 11.4cm/4.5".				
5.03			**B121 Auditorium Changing Rooms 1 and 2 Total Product**				
5.04						**Installation**	
5.05			**5 - B121 Auditorium Changing Rooms 1 and 2 Total Cost**				
6	**B131 Orchestra**						
	Audio-Visual System						
6.01	4	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
6.02	1	ART HeadAmp6PRO	ART HeadAmp6PRO Rack-Mount 6- Channel Stereo Headphone Amplifier				
6.03	4	Atlas Sound MS-10CE	All-Purpose Mic Stand Black				
6.04	4	Atlas Sound PB21XEB	Extendable length boom ebony 2 -lb counterweight				
6.05	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
6.06	4	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
6.07	~~1~~	~~Extron DTP HDMI 4K~~	~~HDMI Twisted Pair Extender~~				
6.08	~~1~~	~~Extron DTP HDMI 4K~~	~~HDMI Twisted Pair Extender~~				
6.09	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
6.10	1	Extron MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure				
6.11	1	Extron MLC Plus 100	MediaLink Plus Controller Included in Extron 42-331-001347				
6.12	1	Extron ~~MPA 601-70V~~ XPA 1002 (60-849-01)	~~70 V Mono Amp - 60 Watts~~ Two Channel Low and High Impedance Amplifier - 60 Watts Per Channel @ 8 Ohms				
6.13	1	Extron PS 1215 C	12V, 1.5A, Captive Screw Connector Includes a ZipClip				
6.14	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
6.15	1	Extron PS 1242	12 V, 4.2 A, Quarter Rack, 3 Captive Screw Ports				
6.16	1	Extron PVM 220	PoleVault Plenum Ceiling Enclosure Included in Extron 42-331-001347				
6.17	1	Extron PVS 407D	PoleVault Switcher Included in Extron 42-331-001347				
6.18	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate Included in Extron 42-331-001347				
6.19	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate Included in Extron 42-331-001347				
6.20	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
6.21	1	Extron VLR 302	VoiceLift Pro Receiver Included in VLR 3002H				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
6.22	1	Extron ~~WVS 211D~~ 42-331-001347	~~2+2 Input Digital WallVault with WMK 160~~ Custom Digital PlenumVault System. Includes (2) Pair FF 220T Speakers, PVT HDMI, PVS 407D, MLC Plus 100, PVT HD RGB, PPS 35 and PVM 220				
6.23	1	Extron ZipClip 100 - Single	ZIPCLIP 100 - Single Piece				
6.24	1	Extron ZipClip 200 -Single	ZIPCLIP 200 Single Piece				
6.25	2	~~JBL CONTROL 28-1- WH~~	~~8" Two-Way Vented Loudspeaker, Invisiball® Installation System (plus U- bracket attachment points). 45 Hz - 20kHz Frequency Range. 120 Watts Cont. Pink Noise Power Handling (480W peak) at 8 ohms plus 70V/100V taps at 60W, 30W, 15W (& 7.5W at 70V only). Woven Fiberglass Woofer. WHITE~~ SpeedMount Two-Way Surface Mount Speakers with 8" Woofer				
6.26	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
6.27	2	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
6.28	2	Neutrik NC3MD-S-1- B	D-Series Panel Mount XLR MALE with Screw Terminals On Rear Black/Gold				
6.29	2	RDL D-D2	Double plate for standard and specialty connectors				
6.30	1	Shure MV51	USB Digital Large-Diaphragm Condenser Microphone				
6.31	2	Shure MX202W-A/N	White Overhead Microphone - No Cartridge				
6.32	2	Shure R183W	Omnidirectional Cartridge - White				
6.33	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
6.34	2	Sony MDR7506	Large diaphragm foldable headphone designed for professional studio and live/broadcast applications.				
6.35	1	Tascam SS-CDR250N	Two-channel recorder/player for network applications with a variety of remote control options.				
6.36	1	Yamaha MGP16X	Yamaha MGP16X 16-channel Mixer with USB and FX				
	Equipment Rack and Furniture						
6.38	1	Middle Atlantic PD- 915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
6.39	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
6.40	1	Middle Atlantic TD4	7" TD series rack drawer				
6.41	1	Panel Crafters Custom Rack Plate	1u plate dual XLR input				
6.42	~~1~~	~~Rack Hardware - 13RU - 30RU Accessory~~	~~Misc Accessory rack hardware for 13RU - 30RU racks~~				
6.43	~~1~~	~~Rack Hardware - 13RU - 30RU Core~~	~~Misc Core rack hardware for 13RU - 30RU racks~~				
6.44	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
6.45						**B131 Orchestra Total Product**	
6.46						**Installation**	
6.47						**6 - B131 Orchestra Total Cost**	
7	**B134 Band Room**						
	Audio-Visual System						
7.01	4	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
7.02	1	ART HeadAmp6PRO	ART HeadAmp6PRO Rack-Mount 6- Channel Stereo Headphone Amplifier				
7.03	4	Atlas Sound MS-10CE	All-Purpose Mic Stand Black				
7.04	4	Atlas Sound PB21XEB	Extendable length boom ebony 2 -lb counterweight				
7.05	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
7.06	4	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
7.07	~~1~~	~~Extron DTP HDMI 4K 230 Rx~~	~~HDMI Twisted Pair Extender~~				
7.08	~~1~~	~~Extron DTP HDMI 4K 230 Tx~~	~~HDMI Twisted Pair Extender~~				

BID PACKAGE #2							
Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
7.09	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
7.10	1	Extron MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure				
7.11	1	Extron MLC Plus 100	MediaLink Plus Controller Included in Extron 42-331-001347				
7.12	1	Extron ~~MPA 601-70V~~ XPA 1002 (60-849-01)	~~70 V Mono Amp - 60 Watts~~ Two Channel Low and High Impedance Amplifier - 60 Watts Per Channel @ 8 Ohms				
7.13	1	Extron PS 1215 C	12V, 1.5A, Captive Screw Connector Includes a ZipClip				
7.14	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
7.15	1	Extron PS 1242	12 V, 4.2 A, Quarter Rack, 3 Captive Screw Ports				
7.16	1	Extron PVM 220	PoleVault Plenum Ceiling Enclosure Included in Extron 42-331-001347				
7.17	1	Extron PVS 407D	PoleVault Switcher Included in Extron 42-331-001347				
7.18	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate Included in Extron 42-331-001347				
7.19	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate Included in Extron 42-331-001347				
7.20	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
7.21	1	Extron VLR 302	VoiceLift Pro Receiver Included in VLR 3002H				
7.22	1	Extron ~~WVS 211D~~ 42-331-001347	~~2+2 Input Digital WallVault with WMK 160~~ Custom Digital PlenumVault System. Includes (2) Pair FF 220T Speakers, PVT HDMI, PVS 407D, MLC Plus 100, PVT HD RGB, PPS 35 and PVM 220				
7.23	1	Extron ZipClip 100 - Single	ZIPCLIP 100 - Single Piece				
7.24	1	Extron ZipClip 200 - Single	ZIPCLIP 200 Single Piece				
7.25	2	~~JBL CONTROL 28-1- WH~~ Extron SM 28 White (Pair)	~~8" Two-Way Vented Loudspeaker, Invisiball® Installation System (plus U- bracket attachment points). 45 Hz - 20kHz Frequency Range. 120 Watts Cont. Pink Noise Power Handling (480W peak) at 8 ohms plus 70V/100V taps at 60W, 30W, 15W (& 7.5W at 70V only). Woven Fiberglass Woofer. WHITE~~ SpeedMount Two-Way Surface Mount Speakers with 8" Woofer				
7.26	1	Leviton PJ262-W	Two Gang Decora Wall Plate White				
7.27	2	Neutrik NC3FD-S-1-B	D-Series Panel Mount XLR FEMALE with Screw Terminals On Rear Black/Gold				
7.28	2	Neutrik NC3MD-S-1- B	D-Series Panel Mount XLR MALE with Screw Terminals On Rear Black/Gold				
7.29	2	RDL D-D2	Double plate for standard and specialty connectors				
7.30	1	Shure MV51	USB Digital Large-Diaphragm Condenser Microphone				
7.31	2	Shure MX202W-A/N	White Overhead Microphone - No Cartridge				
7.32	2	Shure R183W	Omnidirectional Cartridge - White				
7.33	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
7.34	2	Sony MDR7506	Large diaphragm foldable headphone designed for professional studio and live/broadcast applications.				
7.35	1	Tascam SS-CDR250N	Two-channel recorder/player for network applications with a variety of remote control options.				
7.36	1	Yamaha MGP16X	Yamaha MGP16X 16-channel Mixer with USB and FX				
	Equipment Rack and Furniture						
7.37	1	Middle Atlantic PD- 915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				
7.38	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
7.39	1	Middle Atlantic TD4	7" TD series rack drawer				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
7.40	1	Panel Crafters Custom Rack Plate	1u plate dual XLR input				
7.41	~~1~~	~~Rack Hardware - 13RU - 30RU Accessory~~	~~Misc Accessory rack hardware for 13RU - 30RU racks~~				
7.42	~~1~~	~~Rack Hardware - 13RU - 30RU Core~~	~~Misc Core rack hardware for 13RU - 30RU racks~~				
7.43	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port	**B134 Band Room Total Product**			
7.44						**Installation**	
7.45				**7 - B134 Band Room Total Cost**			
8	**C113 and C114 Cafeteria**						
8.01	Audio-Visual System						
8.02	2	Arlington LV1	1 Gang Low Voltage Mounting Bracket				
8.03	2	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
8.04	2	Attero Tech unD6IO- BT	Dante™ Networked Audio Wall Plate - 4x2 Multi I/O with Bluetooth® Audio - White				
8.05	1	Bose ControlSpace EX-1280 Processor	Processor includes 12 mic/line analog inputs, 8 analog outputs, 8 AmpLink digital outputs, 64x64 Dante™ and a flexible, open architecture signal processing.				
8.06	2	Chief CMS012W	FIXED PIPE 12 White				
8.07	2	Chief RPAUW	UNIVERSAL RPA WHITE				
8.08	2	Chief WMA2S	Heavy Duty Wall Mount Accessory, Dual Stud, Silver				
8.09	1	Da-Lite 37612L	Tensioned Contour Electrol Format: Wide (16:10) Size: 87" x 139" or 164" diagonal Surface: Options: None				
8.10	1	Da-Lite 70181L	Tensioned Contour Electrol Format: Wide (16:10) Size: 100" x 160" or 189" diagonal Surface: Da-Mat Options: None				
8.11	1	Denon Pro DN-500BDMKII	Blu-Ray, DVD & CD/SD/USB Player				
8.12	2	Epson ELPLM10	Middle-Throw Zoom Lens Pro L series (excludes L25000)				
8.13	4	Extron ECM S10	Partition Sensor Set				
8.14	2	Epson Pro L1490UNL	Pro L1405U Laser WUXGA 3LCD Projector w/ 4K Enhancement - No Lens				
8.15	1	Extron DTP T HD2 4K 230	DTP Transmitter for HDMI with Input Loop-Through				
8.16	2	Extron DTP T HWP 4K 231 D-B	DTP Transmitter for HDMI - Decora® Wallplate				
8.17	1	Extron IN1608 xi IPCP MA 70	Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension Control Processor and 70 V Mono Amp				
8.18	1	Extron PS 1210 P	12V, 1A, Connector DC Plug Power Supply				
8.19	14	JBL Control 64P/T-WH	4" FULL-RANGE PENDANT SPKR, WHT				
8.20	2	Leviton PJ262-W	Two Gang Decora Wall Plate White				
8.21	2	Shure SLX24/BETA58-G4	Includes SLX2/BETA58 Handheld Transmitter with BETA58 Microphone				
8.22	2	Shure UA221	Passive Antenna Splitter/Combiner Kit (2 splitters)				
8.23	8	Shure UA505	Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)				
8.24	8	Shure UA834WB	In-line Antenna Amplifier for Remote- Mounting				
8.25	1	Shure UA844+SWB	Wideband UHF (470-952 MHz) Five-Way Active Antenna Splitter and Power Distribution System, external power supply. For QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers.				
8.26	4	Shure UA8-470-530	1/2 Wave Omnidirectional Receiver Antenna G3				
8.27	4	Shure UA850	50' UHF Remote Antenna Extension Cable, BNC-BNC, RG8X/U Type				
	Control System						
8.28	2	Extron SMK 2 - White	Surface Mount Kit for TLP Pro 725M and TLS 725M - White				
8.29	2	Extron TLP Pro 725M - White	7" Wall Mount Touchlink Pro Touchpanel - White				
	Assistive Listening						

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
8.30	4	Listen Technologies LS-92-01 Level III System	ListenIR IDSP Level III System with One (1) LT-84-01 ListenIR Transmitter/Radiator Combo Four (4) LR-4200-IR Intelligent DSP IR Receiver Four (4) LA-430 Intelligent Ear Phone/Neck Loop Lanyard Four (4) LA-401 Universal Ear Speaker One (1) LA-422 USB to Micro USB Cable One (1) LA-381-01 Intelligent 12-Unit Charging Tray One (1) LA-382 Intelligent Cable Management Unit One (1) LA-904 Listen Dispensing Log Book				
8.31	4	Listen Technologies LA-901	[NB] - Listen Disinfecting Wipes (Cylinder 75 Ct)				
8.32				**C113 and C114 Cafeteria Total Product**			
8.33						**Installation**	
8.34				**8 - C113 and C114 Cafeteria Total Cost**			
9	**C117 Cardio Room**						
	Audio-Visual System						
9.01	2	Arlington LV4	4 Gang Low Voltage Mounting Bracket				
9.02	2	Attero Tech unD6IO- BT	Dante™ Networked Audio Wall Plate - 4x2 Multi I/O with Bluetooth® Audio - White				
9.03	6	JBL CONTROL 26-DT	6.5" Ceiling Loudspeaker Transducer Assembly				
9.04	2	Leviton PJ264-W	Decora 4 Gang Midway Nylon Wall Plate - White				
	Control System						
9.05	2	Extron EBP 103 D	eBUS button panel with 3 button - Decora, black and white				
9.06	2	Extron EBP VC1 D	eBUS Button Panel with Volume Control - Decora				
9.07	1	Extron IPCP PRO 250	IP link Pro Control Processor				
9.08				**C117 Cardio Room Total Product**			
9.09						**Installation**	
9.10				**9 - C117 Cardio Room Total Cost**			
10	**C121 Gym**						
	Audio-Visual System						
10.01	3	Arlington LV3	3 Gang Low Voltage Mounting Bracket				
10.02	3	Attero Tech unD6IO- BT	Dante™ Networked Audio Wall Plate - 4x2 Multi I/O with Bluetooth® Audio - White - A				
10.03	6	Bose Panaray 802 Series IV	Panaray 802 Series IV				
10.04	6	Bose Speaker Rigging	Speaker Mounting/Rigging Hardware				
10.05	1	Leviton PJ263-W	Three Gang Decora Wall Cover White				
10.06	2	Shure SLX24/BETA58-G4	Includes SLX2/BETA58 Handheld Transmitter with BETA58 Microphone				
10.07	2	Shure UA505	Mounting Bracket and BNC Adapter for Remote Antenna Mounting (Contains one)				
10.08	2	Shure UA834WB	In-line Antenna Amplifier for Remote- Mounting				
10.09	1	Shure UA844+SWB	Wideband UHF (470-952 MHz) Five-Way Active Antenna Splitter and Power Distribution System, external power supply. For QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers.				
10.10	2	Shure UA8-470-530	1/2 Wave Omnidirectional Receiver Antenna G3				
10.11	2	Shure UA850	50' UHF Remote Antenna Extension Cable, BNC-BNC, RG8X/U Type				
	Control System						
10.12	4	Arlington LV1	1 Gang Low Voltage Mounting Bracket				
10.13	3	Extron EBP 105 D	eBUS button panel with 5 button - Decora, black and white BP3				
10.14	3	Extron EBP VC1 D	eBUS Button Panel with Volume Control - Decora BP3				
10.15	4	Extron ECM S10	Partition Sensor Set				
10.16	~~2~~	~~Extron ECM S10-PkG~~	~~Partition Sensor Set~~				
10.17	1	Extron PS 1220EB	eBUS 12VDC power supply and distribution hub, six port				
	Equipment Rack and Furniture						
10.18	1	Middle Atlantic PD- 915R-SP	Power distribution, 15 amp, 9 outlet, 19" full rackmount				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
10.19	1	Middle Atlantic PTRK-1426	PTRK series portable rack, 14 space, 26" deep				
10.20	1	Rack Hardware - 13RU - 30RU Accessory	Misc Accessory rack hardware for 13RU - 30RU racks				
10.21	1	Rack Hardware - 13RU - 30RU Core	Misc Core rack hardware for 13RU - 30RU racks				
10.22	1	APC SMT1500RM2UC	Smart UPS 1000W/1500VA with SmartConnect Ethernet Port				
	Assistive Listening						
10.23	1	Listen Technologies LS-56-072 Stationary RF System	System includes One (1) LT-800-072-01 Stationary RF Transmitter (72 MHz) One (1) LA-106 Telescoping Top Mounted Antenna (72 MHz) Four (4) LR-5200-072 Advanced Intelligent DSP RF Receiver (72 MHz) Four (4) LA-401 Universal Ear Speaker Two (2) LA-430 Intelligent Earphone/Neck Loop Lanyard One (1) LA-423 4-Port USB Charger One (1) LPT-A107-B Dual RCA to Dual RCA Cable 6.6 ft. (2 m) One (1) LA-304 Assistive Listening Notification Signage Kit				
10.24	4	Listen Technologies LA-901	Listen Disinfecting Wipes (Cylinder 75 Ct)				
10.25	8	Listen Technologies LA-401	Universal Ear Speaker				
10.26	8	Listen Technologies LA-430	[NB] - Intelligent Ear Phone/Neck Loop Lanyard				
10.27	8	Listen Technologies LR-5200-072	Additional RF Receivers				
10.28	2	Listen Technologies LA-423	Additional 4-Port USB Charger				
10.29	1	Listen Technologies LA-123	Room Antenna				
10.30	2	TBD	Protective Metal Cage for Antennas				
10.31						**C121 Gym Total Product**	
10.32						**Total**	
10.33						**10 - C121 Gym Total Cost**	
11	**E131 Media Center**						
	Audio-Visual System						
11.01	3	Arlington LV2	2 Gang Low Voltage Mounting Bracket				
11.02	1	Epson PowerLite 700U	WUXGA 3LCD Ultra-short Throw Laser Display				
11.03	1	Epson V12H831000	100" Whiteboard for Projection and Dry- erase				
11.04	2	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair Included in Extron 42-331-001347				
11.05	3	Extron FF 220T	Ceiling - 2' x 2' Drop-In, Xfmr, Pair NOT Included in Extron 42-331-001347, will need to be carried separately				
11.06	1	Extron MLC Plus 100	MediaLink Plus Controller				
11.07	1	Extron PS 1242	Power Supply 12 VDC, 4.2 A				
11.08	1	Extron PVS 407D	PoleVault Switcher				
11.09	1	Extron PVT HD RGB	HDMI, RGB, & Audio Input Wallplate				
11.10	1	Extron PVT HDMI	Dual HDMI & Audio Input Wallplate				
11.11	1	Extron USFM 100	Ultra Short-Throw Projector Mount and Equipment Enclosure				
11.12	1	Extron VLM 3002H	VoiceLift Pro Pendant, Handheld, and Charging Station				
11.13	1	Extron VLR 302	VoiceLift Pro Receiver				
11.14	1	42-312-001238	Custom Part # From Extron to Factor In WallVault Box and Mount for Short Throw Projector				
11.15	1	Extron XPA 2001-70V	Mono 70V Amplifier - 200 Watts				
11.16	4	Atlas Sound MS- 10CE	All-Purpose Mic Stand Black				
11.17	8	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
11.18	4	JBL EON610	10" Two-Way Multipurpose Self-Powered Sound Reinforcement				
11.19	4	JBL JBLTRIPOD-GA	JBL lift assist speaker tripod.				
11.20	4	Shure SM58S	Cardioid Dynamic, On-Off Switch				
11.21				**E131 Media Center Total Product**			
11.22						**Installation**	
11.23				**11 - E131 Media Center Total Cost**			
12	**Cafe Closet Equipment Rack**						
	Audio-Visual System						
12.01	1	Bose ControlSpace EX-1280 Processor	Processor includes 12 mic/line analog inputs, 8 analog outputs, 8 AmpLink digital outputs, 64x64 Dante™ and a flexible, open architecture signal processing.				
12.02	1	Bose PowerMatch AmpLink 24-Channel Card	PowerMatch AmpLink 24-Channel Card				
12.03	1	Bose PowerMatch Dante Network Card	PowerMatch Dante Network Card				
12.04	1	Bose PowerMatch PM8500N Amplifier - Network Model	PowerMatch PM8500 / PM8500N power amplifier				
12.05	1	Bose PowerShare PS604D Adaptable Power Amplifier	The amp shares power across all output channels and delivers 600 watts for installed applications.				
12.06	1	Extron NetPA 1001- 70V AT	Mono 70 V Audio Power Amplifier with Dante - 100 Watts				
12.07	1	Power Cord	Included Power Cord				
	Control System						
12.08	1	Extron IPCP Pro 350	IPCP Pro 350 IP Link Pro Control Processor, Supports TouchLink Pro touchpanels.				
12.09	1	Extron PS 1220EB	eBUS 12VDC power supply and distribution hub, six port				
12.10	1	Pakedge SX-24P	24-Port Managed Switch with 24 PoE or Up to 12 PoE+				
	Equipment Rack and Furniture						
12.11	1	Middle Atlantic BGR-4532-AV	GANGABLE PRE-CONFIGURED BGR FOR AV SYSTEMS - 45RU, 32"D				
12.12	1	Middle Atlantic UPS-2200R-8IP	PREMIUM SERIES UPS RACK MOUNT POWER, 8 OUTLET, 2150VA/1650W, INDIV. OUTLET, WEB ENABLED				
12.13	1	Rack Hardware - 31RU & Over Accessory	Misc Accessory rack hardware for 31RU & over racks				
12.14	1	Rack Hardware - 31RU & Over Core	Misc Core rack hardware for 31RU & over racks				
12.15	~~1~~	~~APC SMT1500RM2UC~~	~~Smart UPS 1000W/1500VA with SmartConnect Ethernet Port~~				
12.16				**Cafeteria Closet Total Product**			
12.17						**Installation**	
12.18				**12 - Cafeteria Closet Total Cost**			
13	**Cables and Hardware**						
	Cables and Connectors						
13.01	1	Belden 12-2C-P-BLK	12 AWG, 2 CONNECTOR, 19 STRAND, PLENUM SPEAKER CABLE 1000' ROLL BLACK				
13.02	1	Belden 18-2C-P-WHT	18 AWG, 2 CONNECTOR, 7 STRAND, PLENUM SPEAKER CABLE. 1000' ROLL WHITE				
13.03	5	Belden 22-2C-PSH- WHT	22 AWG, 1 PAIR, PLENUM, SHIELDED INTERCOM/PAGING/PUBLIC ADDRESS CABLE. 1000' ROLL WHITE				
13.04	2	Belden 24-4P-P- L6ASH-WHT	CAT6A (625MHz), 23 AWG, 4 UNBONDED PAIR, PLENUM-CMP, F/UTP-FOIL SHIELDED. 1000' ROLL WHITE				

BID PACKAGE #2

Item #	Qty.	Manufacturer	Description	List Price	% Disc.	Unit Price	Total Price
13.05	1	Belden AXLINK-P- BLK	22 AWG, 1 SHIELDED BC PAIR + 18 AWG, 2 BC CONDUCTOR AMX AND CRESTRON CONTROL SYSTEM CABLE 1000' ROLL BLACK				
13.06	1	Belden RG58-BLK	RG-58/U TYPE (53 OHM), 20 AWG, SOLID, BARE COPPER, TRANSMISSION CABLE. 1000' ROLL BLACK				
13.07	6	BTX CD-MX915H	MaxBlox Clamshell Hood for MaxBlox CD-MX Connectors				
13.08	6	BTX CD-MX9F	MaxBlox DB9 Female to Terminal Block Connector				
13.09	4	Comprehensive 2PP- 2PP-6ST	Standard Series 2 gold RCA Plugs Each End Stereo Audio Cable 6ft				
13.10	3	Comprehensive MCAT6-3PROBLK	MicroFlex Pro AV/IT CAT6 Snagless Patch Cable Black 3ft				
13.11	4	Comprehensive MCAT6-3PROWHT	MicroFlex Pro AV/IT CAT6 Snagless Patch Cable White 3ft				
13.12	4	Comprehensive MCAT6-7PROBLK	MicroFlex Pro AV/IT CAT6 Snagless Patch Cable Black 7ft				
13.13	14	Comprehensive MHD18G-12PROBLKA	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 12ft				
13.14	1	Comprehensive MHD18G-25PROBLKA	MicroFlex Active Pro AV/IT 18G Extended Length HDMI Cables with ProGrip, CL3, Jet Black 25ft				
13.15	1	Comprehensive MHD18G-3PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 3ft				
13.16	2	Comprehensive MHD18G-6PROBLK	MicroFlex Pro AV/IT Certified 4K60 18G High Speed HDMI Cable with ProGrip Jet Black 6ft				
13.17	4	Comprehensive MVGA15P-P-12HR/A	Pro AV/IT Series Micro VGA HD15 plug to plug w/audio cable 12ft				
13.18	4	Comprehensive SPPS-P-25ST	Standard Series General Purpose 1/4" TRS Plug To 1/4" TRS Plug Cable 25ft				
13.19	2	Comprehensive XLRP-XLRJ-10ST	Standard Series XLR Plug to Jack Audio Cable 10ft				
13.20	16	Comprehensive XLRP-XLRJ-25ST	Standard Series XLR Plug to Jack Audio Cable 25ft				
13.21	8	Comprehensive XLRP-XLRJ-3ST	Standard Series XLR Plug to Jack Audio Cable 3ft				
13.22	6	Comprehensive XLRP-XLRJ-6ST	Standard Series XLR Plug to Jack Audio Cable 6ft				
13.23	4	Liberty AV Solutions 112128	BNC Crimp Plug for RG58 plenum dual shield cable				
13.24	8	Neutrik NC3FX	3 Pole Female XLR Cable Connector Nickel/Silver				
13.25	8	Neutrik NC3MX	3 Pole Male XLR Cable Connector Nickel/Silver				
13.26	1	Platinum Tools 105101	Cat6a RJ45 Boots – Package of 100				
13.27	2	Platinum Tools 106190	RJ45 Cat6A 10Gig Shielded Connector Bag of 100				
13.28	4	Stereo Mini- PkG	Accessory for items that include a stereo mini cable.				
13.29				**Cables and Hardware Total Product**			
13.30						**Installation**	
13.31				**13 - Cables and Hardware Total Cost**			
14	**Professional Services and Labor**						
14.01	Installation to include Freight and Delivery to site, Rental of Lift, Installation of all cabling and						
14.02				**TOTAL PRODUCT COST**			
14.03				**TOTAL INSTALLATION COST**			
14.04				**TOTAL PROJECT COST**			
	All Products and Services shown will be eligible for reimbursement						
	Bid Bond of 10% in the form of a Bank Certified Check, a Bank Check, or a Surety Company Bond to be submitted with Bid.						
	Refer to Standard Instructions To Bidders for details.						

	BID PACKAGE #3						
Item #	**Qty.**	**Manufacturer**	**Description**	**List Price**	**% Disc.**	**Unit Price**	**Total Price**
	TE7 CHARGING CARTS						
7.01	1		Installation of 79 LocknCharge iC 30 Apple Charging Carts provided by Owner				
	TE8 COMPUTERS						
8.01	1		Computer Deployment for 104 iMacs - Computer Labs				
8.02	1		Computer Deployment for 81 Teacher Station iMacs				
		Deployment Services to Include:					
		a.	Meet truck and unload				
		b.	Verify quantity and condition of product delivered				
		c.	Unbox and remove packing materials				
		d.	Record Serial Number and IP Address in format designated by IT				
		e.	Add Image to Computers				
		f.	Deliver to Classrooms				
		g.	Connect to Network and Printers				
		h.	Test and report any problems to IT				
8.03			Cost for Installation and Deployment Services				
8.04			**TOTAL PROJECT COST - TE7 and TE8**				
	All Products and Services shown will be eligible for reimbursement						
	Bid Bond of 10% in the form of a Bank Certified Check, a Bank Check, or a Surety Company Bond to be submitted with Bid.						
	Refer to Standard Instructions To Bidders for details.						

	BID PACKAGE #4						
Item #	**Qty.**	**Manufacturer**	**Description**	**List Price**	**% Disc.**	**Unit Price**	**Total Price**
TE9 DIGITAL KEYBOARDS							
9.01	1	**YAMAHA**	Yamaha LC4 Base 8 Student plus teacher Lab - Complete hardware				
9.02	2	**YAMAHA**	Yamaha LC4 8-Student Expansion for LC4 Base w/headphones				
9.03	1	**WIFI**	Optional WiFi Connection Kit for LC4				
9.04	20	**YAMAHA**	Yamaha NP12 B (Black) 61 note portable keyboard for students				
9.05	1	**YAMAHA**	Yamaha P515B - Keyboard (Teacher unit) includes PA300C adaptor, music rest and FC4A sustain pedal				
9.06	20	**YAMAHA**	Yamaha PA130 Power Adaptor for NP 12 keyboards				
9.07	20	**YAMAHA**	Yamaha FC5 Sustain Pedal				
9.08	14	**YAMAHA**	LC20 MS RJ45 Lab Connector cables – 20 Meters				
	INSTALLATION						
9.09	1		Installation to include Freight and Delivery to site				
9.10			**TOTAL PROJECT COST**				
	All Products and Services shown will be ineligible for reimbursement						
	Bid Bond of 10% in the form of a Bank Certified Check, a Bank Check, or a Surety Company Bond to be submitted with Bid.						
	Refer to Standard Instructions To Bidders for details.						