

5 August 2009

ADDENDUM No. 01

To: University of Mary Washington

Attn: Mr. Les Johnson
Project Manager
Cc: UMW, Planholders

Re: Dodd Auditorium & Klein Theater
Equipment Package – Final Working Drawings
Fredericksburg, VA
Contract: 215-16805-002
MJ | A Project No.: 7530

NOTICE TO ALL BIDDERS: This Addendum modifies (changes, adds to, deletes from) and/or interprets the Bidding Documents (Equipment Package and/or Drawings, 30 June 2009 Final Working Drawings for the Klein Theater/Studio 115 and Equipment Package, 10 July 2009 Final Working Drawings for the Dodd Auditorium), and becomes part of the Contract between the Owner and Contractor upon execution of the Agreement. Bidders shall acknowledge receipt of this Addendum by inserting its number and date in the designated spaces on their Proposal.

CLARIFICATIONS:

Bid Closing Date: Bid Closing Date for 10-04 has been extended to 2:00 PM, August 17. The Bid Closing Date is now August 17 at 2:00 pm.

Bid Forms: Bid Sheets for 10-04 attached.

Coordination with General Contractor: Successful bidders will be required to meet at least monthly with the General Contractor for the respective projects to ascertain whether the installations or junction boxes and conduit are adequate in size and location for the equipment to be installed. Coordinate scheduling delivery and installation to coincide with the completion for major work. Protect the work of others against incidental damage caused by equipment installation.

Project Dates: Project dates are critical. Klein Theater construction schedule starts 10 August 2009 until 01 December 2009. Dodd Auditorium construction schedule starts 11 May 2010 until 17 August 2010. **NO SLIPPAGE.**

Attachments: Attachments A through G for IFB 10-04 can be found on the Purchasing Department of the University of Mary Washington's website, http://www.umw.edu/purchasing/vendors/bids_proposals

REFER TO KLEIN THEATER/STUDIO 115: EQUIPMENT PACKAGE-FINAL WORKINGS:

Section 11062 **FOLDING AND PORTABLE STAGES AND RISERS**

Delete section.

Section 11068 **STUDIO 115 THEATRICAL LIGHTING CONTROL AND EQUIPMENT**

Delete section.

Section 12610 **FIXED AUDIENCE SEATING**

Delete section. Insert attached section.

PRE-BID QUESTIONS AND RESPONSES:

1. Please confirm as stated at the prebid that the contractor who is awarded the work in Dodd Auditorium will have to strike / take down / demo the curtains, lighting fixtures, stage electrics on the stage rigging as part of their contract. Yes, this is to be included.
2. Please advise which contractor or owner is responsible for storage of these items during the construction period. Owner.
3. Please provide structural drawings of Dodd Auditorium in AutoCAD or PDF format to coordinate rigging requirements. Will be provided after bid.
4. Reference TR-2.02D: There is equipment listed as being furnished by the Stage Lighting Manufacturer such as the kellum's grip, cable cradle, and mounting brackets for the existing stage electrics. Please advise if this equipment is determined to be existing, being provided under a separate contract or to be provided by the contractor handling section 11066 Dodd Auditorium Theatrical Lighting Fixtures? The existing distribution to the existing electrics shall remain and be reused. The distribution should be re-rigged as illustrated on TR-2.02D.
5. What is the expected dollar value of this work? Do not have a set range.
6. Reference TR – 2.02D: Please confirm that the PowerLifts are to be installed horizontally above the grid and not vertically on the wall. They are to be installed as shown, horizontally above the grid.

7. Reference TR-1.01D: Please confirm that you are requiring all of the line sets be demoed and not just the line sets to be replaced with PowerLifts. All existing rigging, except for the fire curtain rigging, is to be "demoed". This includes existing lock rail, arbors, wire guides, cables, and battens. New lock rail, arbors, t-bar wall, lift lines, truss battens are to be provided and installed, as shown. Final placement will be verified during shop drawings. Existing headblock and loftblock may be reused were possible. New blocks shall be provided as required. New mule blocks shall be provided as required.
8. Reference TR-1.02D: Please confirm that you are requiring only four PowerLifts. Per the schedule and riser on TR-1.02D, only four packaged winch units are to be provided.
9. Reference the IFB: Are performance and payment bonds and or bid bonds required for this project? Not included in the original IFB because of the increase in cost and can cause a delay.
10. KLEIN THEATER/STUDIO 115, EQUIPMENT PACKAGE-FINAL WORKINGS, Section 12610 Fixed Audience Seating 1.2 B: Is UMW furnishing the fabric? If not what grade should we use for pricing? See attached section 12610.
11. KLEIN THEATER/STUDIO 115, EQUIPMENT PACKAGE-FINAL WORKINGS, Section 12610 Fixed Audience Seating 1.2 C.1 - Calls for aisle lights. Is there a drawing showing the style and location? If not, how many should be figured and what style? Aisle lights to be chair mounted.
12. KLEIN THEATER/STUDIO 115, EQUIPMENT PACKAGE-FINAL WORKINGS, Section 12610 Fixed Audience Seating, Part 2-Products 2.2 C.1: Is the exterior of the backs to be hardwood veneer or Plastic? Hardwood Veneer. If wood, what species of wood? To be determined with Owner.
13. KLEIN THEATER/STUDIO 115, EQUIPMENT PACKAGE-FINAL WORKINGS, Section 12610 Fixed Audience Seating, 2.2 H - Is this a requirement? We don't believe this is for this type chair. **Yes.**
14. Are substitutes allowed on the AV equipment. **No.**

Klein Theatre Lighting Equipment List
and Klein Misc. Equipment

Equipment Type	Manufacturer/Model Number	QTY	UNIT COST	EXTENDED COST
LIGHTING FIXTURES				
90" Ellipsoidal	Electronic Theatre Controls 400 Series #490-B	3		
50" Ellipsoidal	Electronic Theatre Controls 400 Series #450-B	40		
36" Ellipsoidal	Electronic Theatre Controls 400 Series #436-B	40		
26" Ellipsoidal Lens Train	Electronic Theatre Controls 400 Series #426LT	6		
19" Ellipsoidal Lens Train	Electronic Theatre Controls 400 Series #419LT	2		
10" Ellipsoidal Lens Train	Electronic Theatre Controls 400 Series #410TL	2		
PAR	Electronic Theatre Controls SFPAR-EA-B	20		
PARnel	Electronic Theatre Controls SFPARNEL-B	12		
Automated Fixture	Electronic Theatre Controls SF_REVOLUTION #S4R-B	6		
Shutter Module	Electronic Theatre Controls SM	6		
Iris Module	Electronic Theatre Controls IM	2		
Rotating Wheel Module	Electronic Theatre Controls RWM	6		
Custom Road Case	Per Specification	3		
Single Flood Light	Allman Stage Lighting Q-LITE	12		
3-way Batten Cyc Lights	Salecon Hui 3-way Batten Cyc Lights	12		
MR16 Strip Lights	Lighting & Electronics #6560	4		
DMX Strobe Light	Martin Atomic 3000 DMX Strobe Light	2		
Clip Light with 40w Blue A-lamp	McMaster-Carr #1627K13	6		
ACCESSORIES				
Spare HPL575/116X	Per Specification	12		
Spare HPL750/77X	Per Specification	2		
Spare FCL 500w	Per Specification	6		
G71 MR16/CFL 40"	Per Specification	12		
Template Holder for Ellipsoids	City Theatrical #2160	12		
B Size Glass Pattern Holder	City Theatrical #2173	4		
Donut for Ellipsoids	City Theatrical #2250	12		
Top Hat for Ellipsoids	City Theatrical #2440	12		
Half Hat for Ellipsoids	City Theatrical #2441	12		
Drop-In Iris for Ellipsoids	City Theatrical #2180	4		
Barn Doors for PAR/PARnel	City Theatrical # 2488	32		
Safer Sidearm	City Theatrical #202	6		
50 lb Boom Base	Per Specification	6		
10'-0" long 1-1/2" ID.				
Schedule 40 Steel Boom Pipe	Per Specification	6		
Boom Tie Off Ring	City Theatrical #1310	6		
Scenery Bumper	Per Specification	2		
CABLE				
5'-0" Stage Connector Extension Cable	Per Specification	25		
10'-0" Stage Connector Extension Cable	Per Specification	25		
15'-0" Stage Connector Extension Cable	Per Specification	25		
25'-0" Stage Connector Extension Cable	Per Specification	25		
Two-fers	Per Specification	30		
20-AMP Female Theatrical Connector to NEMA 5-15P Adapter	Per Specification	10		
NEMA 5-20R to 20-AMP				
Male Theatrical Connector Adapter	Per Specification	10		
Spare 20-AMP Male Theatrical Connector	Per Specification	4		
Spare 20-AMP Female Theatrical Connector	Per Specification	4		
10'-0" DMX Extension Cable	TMB Pro-cable DMX extension cord	24		
25'-0" DMX Extension Cable	TMB Pro-cable DMX extension cord	12		
50'-0" DMX Extension Cable	TMB Pro-cable DMX extension cord	4		
MISCELLANEOUS				
Cue Light System	Doug Fleenor Design Part #: "Q LIGHT QUOTE 991 8 CHANNEL CUE LIGHT"	1		
Fogger with 5 gallons of fluid	Martin G800 Fogger	1		
Hazer with 5 gallons of fluid	Look Solutions Unique2 Hazer	1		
Color Engine for Profile Lighting	SeaChanger Color Engine for Profile Lighting	12		
Black Cotton Tie Line	Per Specification	600'		

Total Cost of specified equipment \$ _____

KLEIN THEATER EQUIPMENT LIST

2009 June 26

EQUIPMENT TYPE	MANUFACTURER/MODEL NUMBER	QTY	UNIT COST	EXTENDED COST
FIXED SEATS				
FIXED SEATS	Hussey Seating/Quattro/Classic	189		
REMOVABLE SEATS	Hussey Seating/Quattro/Classic	22		

Total Cost of specified equipment \$ _____

**ACOUSTICAL DESIGN COLLABORATIVE, LTD
KLEIN THEATER SOUND & AV SYSTEMS EQPT LIST**

2009 June 3

BASE SOUND SYSTEM EQUIPMENT			
EQUIPMENT TYPE	MANUFACTURER/MODEL #	QTY	UNIT COST
SIGNAL PROCESSING			
16-CHANNEL PROGRAMMABLE MULTIPROCESSOR CHASSIS	BIAMP AUDIO FLEX CM 4 IN/12 OUT	1	
2-CHANNEL MIC/LINE INPUT CARDS	BIAMP AUDIO IP2	2	
2-CHANNEL MIC/LINE OUTPUT CARDS	BIAMP AUDIO OP2E	6	
AMPLIFICATION			
HOUSE LEFT & RIGHT HF LDSPKRS AND REAR HOUSE LEFT & RIGHT LDSPKR AMPLIFIER	LAB GRUPPEN C10:4X	1	
HOUSE LEFT & RIGHT LF LDSPKRS AND LEFT & RIGHT SUBS LDSPKR AMPLIFIER	LAB GRUPPEN C20:8X	1	
LOUDSPEAKERS			
HOUSE LEFT & RIGHT MAIN LOUDSPEAKERS	RENKUS-HEINZ STX7/94	2	
HOUSE LEFT & RIGHT SUBWOOFERS	RENKUS-HEINZ CFX18S	2	
REAR HOUSE LEFT & RIGHT LOUDSPEAKERS	RENKUS-HEINZ CFX121	2	
BOOTH MONITOR LOUDSPEAKERS	MACKIE HR 624	2	
STAGE SELF-POWERED LOUDSPEAKERS	JBL EON 510	2	
EFFECTS SELF-POWERED LOUDSPEAKERS	GALAXY AUDIO HOT SPOT HSVC	2	
ASSISTIVE LISTENING SYSTEM			
ASSISTIVE LISTENING SYSTEM	LISTEN LS-03 PERFORMANCE FM SYSTEM	1	
ASSISTIVE LISTENING SYSTEM RECEIVERS	LISTEN LR-400	1	
ASSISTIVE LISTENING SYSTEM EAR SPEAKERS	LISTEN LA-164	4	
ASSISTIVE LISTENING SYSTEM STEREO HEADSETS	LISTEN LA-165	2	
ASSISTIVE LISTENING SYSTEM NECK LOOPS	LISTEN LA-166	2	
ASSISTIVE LISTENING SYSTEM HEADSET CHARGING CASE	LISTEN LA-321	1	
ASSISTIVE LISTENING SYSTEM AA ALKALINE BATTERIES	LISTEN LA-362	8	
REMOTE ANTENNA	LISTEN LA-122	1	
MISCELLANEOUS			
EQUIPMENT RACK	MIDDLE ATLANTIC WALL TYPE	1	
16 MICROPHONE/4 LINE SNAKE	WHIRLWIND MS164XL50 WITH W61RP	1	
MULTI PIN CONNECTORS	WHIRLWIND W6CRP	2	
COMPUTER INPUT WALL PLATE AT PROSCENIUM BACK WALL	FSR CI-5BWPA	2	
COMPUTER/VIDEO WALL PLATES	FSR VIP-100	4	
CABLES, PLATES, CONNECTORS, BASE & ADD ALTERNATES	LOT	1	
			EXTENDED COST

Total Cost of specified equipment \$ _____

KLEIN THEATER BID ADDITIVE ALTERNATES

Bid additive alternates will not be used to determine the award of this IFB. Items list below may be purchased at prices quoted if funding is available

Alternate #1 Digital Mixer Equipment				UNIT PRICE	Extended Price
QTY	EQUIPMENT TYPE		MANUFACTERER/MODEL		
1	Digital Mixing Console		Yamaha LS9-32		
2	Digital Mixing Console Input Cards		Yamaha MY-8		
1	Cables, Plates, Connectors				

Total Cost of specified equipment \$ _____

Bid additive alternates will not be used to determine the award of this IFB. Items list below may be purchased at prices quoted if funding is available

QTY	EQUIPMENT TYPE	MANUFACTURER/MODEL	UNIT PRICE	Extended Price
	Alternate #2 Production Cue/Monitor Intercom & Video Equipment			
1	4-Channel Intercom Main Station	Clear-Com MS-704		
1	4-Channel Intercom Remote Station	Clear-Com RS 704		
13	2-Channel Intercom Wall Headset Stations	Clear-Com HB-702		
6	1-Channel Speaker Stations	Clear-Com KB-701		
13	2-Channel Intercom Belt Packs	Clear-Com RS-601		
13	25 ft. Belt Pack Extension Cords	Clear-Com IC25-6		
1	1-Channel Wireless Intercom Station	Clear-Com WBS-670/4		
17	Intercom Headset	Clear-ComCC-26		
2	Intercom Headset	Clear-Com HS-6		
1	Cables, Plates, Connectors for Audio Intercom			
1	Multi Purpose Convertible Camera	Panasonic AW-E300		
1	Pan Tilt Zoom System	Panasonic AW-PH300		
1	Pan Tilt Zoom System Video Switcher	Panasonic AW-HB505		
1	Pan Tilt Zoom System Controller	Panasonic RP-505		
1	Power Supply for Pan Tilt System	Panasonic PS-300		
6	TV Monitor	Marshall V-LCD8-PRO		
1	Cables, Plates, Connectors			
1	Cables, Plates, Connectors for Video System			

Total Cost of specified equipment \$ _____

Bid additive alternates will not be used to determine the award of this IFB. Items list below may be purchased at prices quoted if funding is available

Alternate #3 Wireless Microphone Input Device Equipment

QTY	EQUIPMENT TYPE	MANUFACTURER/MODEL	UNIT PRICE	Extended Price
8	Wireless 2-Channel Mic Receivers	Shure ULP4D		
15	Wireless Bodypack Transmitters	Shure ULX1		
15	Wireless Lavallere Microphones	Shure WCB6B		
1	Wirless Handheld Microphone	Shure UA844US		
5	UHF 4-Way Antenna Splitter & Power Dist. System	Sennheiser MKH8040		
1	Cables, Plates, Commectors	W/MZX 800		
1	Computer-Sound Board Interface Card			

Total Cost of specified equipment

\$ _____

Dodd Auditorium Lighting Equipment and Generic Equipment List

Equipment Type	Manufacturer/Model Number	QTY	UNIT PRICE	EXTENDED COST
LIGHTING CONSOLE AND ACCESSORIES				
Theatrical Lighting Control Console	Electronic Theatre Controls "Ion 1500"	1		
Universal Fader/Wing- 2 20	Electronic Theatre Controls FADW 2x20	1		
LCD Flat Screen Monitors	Per Specification	2		
Quist Covers	Per Specification	4		
Storage Media	Per Specification	5		
Task Lighting	Per Specification	4		
Keyboard	Per Specification	1		
Handheld Remote Control	Electronic Theatre Controls "NetB RFR"	1		
Power Conditioner / UPS	Per Specification	1		
LIGHTING FIXTURES				
19" Ellipsoid w/ HPL 750/115X Lamp	Electronic Theatre Controls 400 Series #419-B	24		
14" Ellipsoid w/ HPL 750/115X Lamp	Electronic Theatre Controls 400 Series #414-B	18		
10" Ellipsoid w/ HPL 750/115X Lamp	Electronic Theatre Controls 400 Series #410-B	10		
5" Ellipsoid w/ HPL 750/115X Lamp	Electronic Theatre Controls 400 Series #405-B	6		
70" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #470-B	2		
50" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #450-B	18		
36" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #436-B	42		
26" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #426-B	26		
19" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #419-B	12		
14" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #414-B	22		
10" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #410-B	10		
5" Ellipsoid w/ HPL 575/115X Lamp	Electronic Theatre Controls 400 Series #405-B	6		
50" Ellipsoid Lens Train Assembly	Electronic Theatre Controls 400 Series #450LT	2		
36" Ellipsoid Lens Train Assembly	Electronic Theatre Controls 400 Series #436LT	4		
26" Ellipsoid Lens Train Assembly	Electronic Theatre Controls 400 Series #426LT	4		
19" Ellipsoid Lens Train Assembly	Electronic Theatre Controls 400 Series #419LT	4		
PAR Spotlight	Electronic Theatre Controls SFPAR-MCM4B	18		
PARNEL Spotlight	Electronic Theatre Controls SFPARNEL-B	30		
Automated Fixtures	Matrix "MAC 550"	2		
Single Flood Light	Alman Stage Lighting O-LITE	6		
Triple Cyc Lights	Alman Stage Lighting Grand CYC/3	6		
Chips/Spot with 40w Blue A-Lamp	Alman Stage Lighting G22 2000w	6		
Music Stand Chip Light	Mediabear-Carr #1627K13	4		
ACCESSORIES				
Spare HPL 575/115X	Per Specification	24		
Spare HPL 750/115X	Per Specification	12		
Spare FCL 500w	Per Specification	6		
Spare 400w Short Arc	Per Specification	1		
Spare G22 2000w	Per Specification	1		
Template Holder for Ellipsoids	City Theatrical #2160	36		
B-size Glass Pattern Holder	City Theatrical #2173	6		
Donut for Ellipsoids	City Theatrical #2250	36		
Top Hat for Ellipsoids	City Theatrical #2450	8		
Drop-in Iris for Ellipsoids	City Theatrical #2180	8		
Double Gobo Rotator	Per Specification	4		
Followspot Sights	"Perfect Pickup" followspot sights	2		
Barndoors for PARI/PARNEL	City Theatrical # 2488	24		
Single-T Sidearm	Alman #608-12-1	2		
50LB Boom Base	Per Specification	2		
10'-0" long 1-1/2" LD. Schedule 40	City Theatrical #1310	2		
Boom Tie Off Ring	Per Specification	2		
Scenery Bumper	Per Specification	2		
CABLE				
12/3 SO Cable	Per Specification	900'		
Male Stage Pin Connectors	Per Specification	60		
Female Stage Pin Connectors	Per Specification	60		
20-AMP Female Stage Connector to NEMA 5-15P	Per Specification	40		
20-AMP Male Stage Connector to NEMA 5-20R	Per Specification	2		
SO 12/3 cable	Per Specification	500'		
Spare 20-AMP Male Theatrical Connector	Per Specification	150		
Spare 20-Amp Female Theatrical Connector	Per Specification	50		
10'-0" DMX Extension Cord	TMB Pro-cable DMX extension cord	6		
25'-0" DMX Extension Cord	TMB Pro-cable DMX extension cord	6		
50'-0" DMX Extension Cord	TMB Pro-cable DMX extension cord	2		
MISCELLANEOUS				
New Improved Stage Screw	Per Specification	10		
Improved Stage Plug	Per Specification	10		
Aircraft Cable Cutter 3/8" Capacity	Per Specification	1		
Black Cotton Tie Line	Per Specification	600'		
GAM Chek Electrical Tester	Great American Market GAMChek Electrical Tester	1		

Total Cost of specified equipment \$

**ACOUSTICAL DESIGN COLLABORATIVE, LTD
DODD AUDITORIUM SOUND & AV SYSTEMS EQUIPMENT LIST**

21-Jul-09

BASE SOUND SYSTEM EQUIPMENT		MANUFACTURER/MODEL #	QTY	UNIT PRICE	EXTENDED COST
EQUIPMENT TYPE					
AMPLIFICATION					
HOUSE LEFT & RIGHT LF LDSPKRS AMPLIFIER	LAB GRUPPEN C28-4X		1		
HOUSE LEFT & RIGHT HF LDSPKRS AMPLIFIER + BALCONY CEILING	LAB GRUPPEN C16-4X		1		
LDSPKRS LF AMPLIFIER					
BALCONY CEILING LEFT & RIGHT HF LDSPKRS + UPPER BALCONY CEILING	LAB GRUPPEN C20-8X		1		
LDSPKRS + UNDERBALCONY CEILING LDSPKRS AMPLIFIER	LAB GRUPPEN C20-8X		1		
STAGE MONITOR LOUDSPEAKER AMPLIFIER					
LOUDSPEAKERS					
HOUSE LEFT AND RIGHT LOUDSPEAKERS	RENNUS-HEINZ STX804		2		
BALCONY CEILING LOUDSPEAKERS	RENNUS-HEINZ STX204		2		
UPPER BALCONY CEILING LOUDSPEAKERS	RENNUS-HEINZ TRX 8209		2		
UNDERBALCONY LOUDSPEAKERS	RENNUS-HEINZ TRX62H		3		
LOUDSPEAKER CUSTOM COLOR PAINTING	CONTRACTOR		1		
STAGE MONITOR LOUDSPEAKERS	RENNUS-HEINZ CFX 121		4		
BOOTH MONITOR LOUDSPEAKERS	JBL C2PS + MTC-2P		2		
MISCELLANEOUS					
MIC SPLITTER	WHIRLWIND ISPLIT 6		1		
AUDIO DSP WITH COBRANET	BIAMP AUDIARFLEX CM		1		
AUDIO INPUT CARDS FOR DSP	BIAMP IP-2		4		
AUDIO OUTPUT CARDS FOR DSP	BIAMP OP-2e		4		
COBRANET OUTPUT	BIAMP EXPO 4		1		
INTERCOM HEADPHONES	TELEX PH-1		4		
INTERCOM BELTPACKS	TELEX AUDIOCOM 1000		4		
INTERCOM BELTPACK WALL STATIONS	TELEX SERIES		8		
INTERCOM BELTPACK CABLES	TELEX SERIES		4		
RACK DRAWERS FOR MIX AREA RACK	RAXXESS SDR-2-2A		2		
EQUIPMENT RACK FOR POWER AMPS	MIDDLE ATLANTIC SWR-18-22		1		
EQUIPMENT RACK FOR UNDER DESK	MIDDLE ATLANTIC ISRK-12GY		1		
BLANK AND VENT PANELS FOR RACKS	MIDDLE ATLANTIC		6		
EQUIPMENT RACK FOR UPSTAGE AND STAGE LEFT AREAS	MIDDLE ATLANTIC TOR SERIES, TOP-2-20SP		2		
VIDEO DISTRIBUTION AMPLIFIER, 6 OUTPUT	EXTRON DA6 AV EQ		1		
CRESTRON DIGITAL MEDIA ROUTER 8 BY 8	CRESTRON DM-MD-8x8		1		
CRESTRON HDMI INPUT CARD	CRESTRON DMC-HD		1		
CRESTRON VIDEO INPUT CARD	CRESTRON DMC-BNC		2		
CRESTRON DVI-XGA INPUT CARD	CRESTRON DMC-DVI		1		
CONTROL PANEL	CRESTRON MPB-20		1		
CAT 5 INPUT WITH DSP	CRESTRON DMC-CAT-DSP		3		
DM OUTPUT S/2 HDMI OUTPUT	CRESTRON DMC-O-22		1		
2 HDMI OUTPUT W/2 AUDIO OUTPUT	CRESTRON DMC-O-30		1		
DIGITAL MEDIA RECEIVER	CRESTRON DM-RMC-100		4		
CONTROL SYSTEM WITH X-PANEL CONTROL	CRESTRON MC2E CONTROL PROCESSOR		1		
MULTI-INPUT DIGITAL MEDIA TRANSMITTER CAT 5	CRESTRON DM-TX-300		3		
LINE LEVEL POWER SURGE PROTECTOR	SURGE SXN 1240		2		
POWER AMPLIFIER SEQUENCER	LYNTEC - PDS 1008		1		
CUSTOM RACK MOUNT PLATE FOR CRESTRON DEVICES IN BOOTH 206	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
CUSTOM 1 GANG PLATE FOR LOBBY AUDIO/VIDEO	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
PRESS FEED BOX	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
CUSTOM INPUT 1 RU PANEL FOR BOOTH 206 RACK	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
10 INCH BY 10 INCH BALCONY WALL PLATE W/TIE LINES	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
CUSTOM INPUT 2 RU PANEL W/TIE LINES FOR STAGE MANAGER RACK	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
10 INCH BY 10 INCH UPSTAGE WALL PLATE W/TIE LINES	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
10 INCH BY 10 INCH STAGE LEFT WALL PLATE W/TIE LINES	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		1		
CABLES, PLATES, CONNECTORS	LOT		1		
MONITOR LOUDSPEAKER CABLES	WHIRLWIND		8		
MONITOR LOUDSPEAKER PLATES	CUSTOM, WHIRLWIND, OPAMP LABS, RCI		8		

Total Cost of specified equipment \$ _____

Dodd Auditorium Theatrical Rigging, Curtains & Tracks

Equipment type	Size	Material	Color	Fullness	Qty	Unit Price	Extended Price
Grand Valence	8'-0" x 41'-0"	25 oz Velour	TBD	50%	1		
Grand Drape	19'-8" x 22'-0"	25 oz Velour	TBD	50%	2		
Grand Legs	19'-8" x 8'-0"	25 oz Velour	TBD	50%	2		
Border #1	8'-0" x 41'-0"	20 oz Velour	Black	50%	1		
General Purpose	19'-8" x 41'-0"	Shankstooth Scrim	Black	Flat	1		
Legs #1	19'-9" x 8'-0"	20 oz Velour	Black	Flat	2		
Border #2	8'-0" x 41'-0"	20 oz Velour	Black	50%	1		
Legs #2	19'-8" x 8'-0"	20 oz Velour	Black	Flat	2		
Midstage Traveler	19'-8" x 22'-0"	20 oz Velour	TBD	50%	2		
Border #3	8'-0" x 41'-0"	20 oz Velour	Black	50%	1		
Legs #3	19'-8" x 8'-0"	20 oz Velour	Black	Flat	2		
Full Stage Black	19'-8" x 22'-0"	20 oz Velour	Black	50%	2		
Cyc	19'-8" x 41'-0"	Seamless	White	50%	1		
Side Tab	19'-8" x 4'-0"	20 oz Velour	Black	50%	3		
Side Tab	19'-8" x 4'-0"	20 oz Velour	Black	50%	3		

Cost of Delivery and Installation _____

Total Cost of Specified Equipment _____

**ACOUSTICAL DESIGN COLLABORATIVE, LTD
DODD AUDITORIUM SOUND & AV SYSTEMS EQUIPMENT LIST**

Bid additive alternates will not be used to determine the award of this IFB.
Items list below may be purchased at prices quoted if funding is available

21-Jul-09

ADDITIVE BID ITEM #1 VIDEO EQUIPMENT		MANUFACTURER/MODEL #	QTY	UNIT PRICE	EXTENDED COST
EQUIPMENT TYPE					
VIDEO					
VIDEO PROJECTOR		SANYO PLC-XF47	1		
UPGRADE LENS		SANYO LNS-M01Z	1		
LENS ADAPTOR		SANYO	1		
CABLES, PLATES, CONNECTORS		LOT	1		

Total Cost of specified equipment

\$ _____

**ACOUSTICAL DESIGN COLLABORATIVE, LTD
 ADDITIONAL SOUND & A/V SYSTEMS EQUIPMENT LIST**

Bid additive alternates will not be used to determine the award of this IFB.
 Items list below may be purchased at prices quoted if funding is available

21-Jul-09

ADDITIVE BID ITEM #2 INPUT DEVICE & VIDEO INTERCOM SYSTEM EQUIPMENT	MANUFACTURER/MODEL #	QTY	UNIT PRICE	EXTENDED COST
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VIDEO MONITORING SYSTEM

FIXED VIDEO CAMERA W/LENS	PANASONIC WV-CP-480	1		
ZOOM LENS 5-9 MM	PANASONIC	1		
19 INCH VIDEO MONITOR	NEC SERIES	2		
17 INCH VIDEO MONITOR	NEC SERIES	2		
46 INCH FLAT SCREEN MONITOR	SHARP PN 465U	1		
MONITOR LOUDSPEAKER FOR FLAT SCREEN MONITOR	KLEIN & HUMMEL CLS2 FX100	1		
WALL BRACKET FOR FLAT SCREEN MONITOR	CHIEF SERIES	1		
CABLES, PLATES, CONNECTORS	LOT	1		

Total Cost of specified equipment

\$ _____

SECTION 12610 - FIXED AUDIENCE SEATING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes fixed audience seating with the following:
 - 1. Standard mounting.
 - 2. Removable mounting.
 - 3. Upholstered chairs.
 - 4. Self-rising seat mechanism.
- B. Upholstery Material: Momentum Textiles: Locale/Raisin. Minimum 60,000 D.R.
- C. Related Sections:
 - 1. Division 16 Sections for electrical service and connections to seating junction box locations for aisle lighting fixtures.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fixed audience seating.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Seating Layout: Show seating layout, aisle widths, row-lettering and chair-numbering scheme, chair widths, and chair spacing in each row.
 - 2. Accessories: Show accessories, including locations of electrical devices, accessibility provisions, and attachments to other work.
 - 3. Wiring Diagrams: For power, signal, and control wiring.
- C. Samples for Initial Selection: For each type of exposed finish, color, texture, and pattern indicated.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below:
 - 1. One-seat unit: Full size with finishes and accessories specified.
 - a. Approved Sample may become part of the completed Work.

2. Molded Plastic: Manufacturer's standard-size unit, not less than 3 inches square.
 3. Plastic Laminate: Manufacturer's standard-size unit, not less than 3 inches square.
 4. Baked-on Coating Finishes: Manufacturer's standard-size unit, not less than 3 inches square.
 5. Aluminum Finishes: Manufacturer's standard-size unit, not less than 3 inches square.
 6. Wood and Plywood Materials and Finishes: Manufacturer's standard-size unit, not less than 3 inches square.
 7. Upholstery Fabric: Full width by 36-inch- long section of fabric from dye lot to be used for the Work, with specified treatments applied. Show complete pattern repeat. Mark top and face of fabric.
 8. Row-Letter and Chair-Number Plates: Full-size units with letters and numbers marked.
 9. Donor Plates: Full-size units with letters marked.
 10. Aisle Lighting: Full-size unit.
 11. Power Service Devices: Full-size units.
 12. Exposed Fasteners: Full-size units of each type.
- E. Product Certificates: For each type of flame-retardant treatment of fabric, from manufacturer.
- F. Field quality-control reports.
- G. Maintenance Data: For fixed audience seating to include in maintenance manuals. Include the following:
1. Methods for maintaining upholstery fabric.
 2. Precautions for cleaning materials and methods that could be detrimental to seating finishes and performance.

1.4 QUALITY ASSURANCE

- A. Engage an experience installer who has specialized in installing work similar in material, design, and extent to that indicated for this Project and who is acceptable to manufacturer.
- B. Obtain each type of seating required, including accessories and mounting components, from single source from single manufacturer.
1. Upholstery Fabric: Obtain fabric of a single dye lot for each color and pattern of fabric required.
- C. Fire-Test-Response Characteristics of Upholstered Chairs:
1. Padding: Comply with California Technical Bulletin 117.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- E. Prior to installation, build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
1. Install mockups in the location and of the size as directed by the Architect.
 2. Notify Architect seven days in advance of dates and times when mockups will be constructed.
 3. Obtain Architect's approval of mockups before starting installation.

4. Maintain mockups during installation in an undisturbed condition as a standard for judging the completed Work.
5. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
6. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 PROJECT CONDITIONS

- A. Do not deliver or install seating until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary or permanent HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
- B. Verify actual dimensions of seating layout and construction contiguous with seating by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.6 COORDINATION

- A. Coordinate layout and installation of electrical wiring and devices with seating layout to ensure that floor junction boxes for electrical devices are accurately located to allow connection without exposed conduit.
 1. Coordinate wiring and power receptacles installed in seating with requirements in Division 16 Sections.
 2. Coordinate wiring and data ports installed in seating with requirements in Division 16 Sections.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of fixed audience seating that fail in materials or workmanship within specified warranty period.
 1. Failures include, but are not limited to, the following:
 - a. Structural failures including standards, beams, and pedestals.
 - b. Faulty operation of self-rising seat mechanism.
 - c. Faulty operation of electrical components.
 - d. Wear and deterioration of fabric and stitching beyond normal use.
 - e. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
 - f.
 2. Warranty Period: Five years from date of Substantial Completion.

1.8 EXTRA MATERIALS

- A. Furnish extra materials from the same production run that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Chair Seats and Backs: Furnish a quantity of full-size units equal to 5percent of amount installed for each type and size of chair seat and back.
 - 2. Upholstered, Slip-on Cushions: Furnish a quantity of full-size units equal to 5percent of amount installed for each type and size of cushion.
 - 3. Armrests: Furnish a quantity of full-size units equal to 5 percent of amount installed for each type of armrest.

PART 2 - PRODUCTS

2.1 MATERIALS AND FINISHES

- A. Steel: ASTM A 36/A 36M plates, shapes, and bars; ASTM A 513 mechanical tubing; ASTM A 1008/A 1008M cold-rolled sheet; and ASTM A 1011 hot-rolled sheet and strip.
 - 1. Color: As shown on the Finish Schedule in the Drawings.
- B. Exposed Plywood: HPVA HP-1, Face Grade A, hardwood veneer core with color-matched hardwood-veneer faces.
- C. Hardwood Lumber and Veneer Faces: Selected to be free of visible defects.
 - 1. Stain and Finish: As selected by Architect from manufacturer's full range.
- D. Fabric: As shown on the Finish Schedule in the Drawings. Upholstery Padding: Flexible, cellular, molded or slab polyurethane foam.

2.2 FIXED AUDIENCE SEATING

- A. Fixed Audience Seating: Interior assembly-space seating in permanent arrangement as shown on Drawings.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Ducharme Seating International Inc.
 - b. Hussey Seating Company.
 - c. Seating Concepts LLC.
 - d. Sitmatic.
 - e. Theatre Solutions, Inc.
- B. Chair Mounting Standards: Floor and Riser attached of the following material:
 - 1. Standards shall be 1"[25mm] x 3"[76mm] x 16 gauge[1.5mm] seamless oval mechanical tubing. Standards utilizing an open seam (not welded) shall be considered unacceptable.
 - 2. The top of the standard shall provide for vandal resistant attachment of the armrest, without the use of exposed fasteners on the surface of the arm.

3. Floor Mounted Standards: Floor mounted standards shall have a 14 gauge [1.9mm] formed steel foot. The formed foot shall be full perimeter welded to the upright tubular member. The floor mount standards shall be manufactured to match floor inclines in order to maintain proper seat height and angle.
 4. Riser Mounted Standards: Riser mounted standards shall have a 7 gauge [4.5mm] steel plate slotted to allow lateral adjustment during installation, and shall be full perimeter welded to the tubular standards.
- C. Fabric Upholstered Chairs:
1. Backs:
 - a. Padding Thickness: 2 inches Rear Panel: Hardwood-veneer plywood. Top Corners: Square
 - 1) Overall back height is 33" above the floor allowing proper shoulder support of the chair occupant. The back surface shall be compound contoured to facilitate proper posture of a seated individual. .
 2. Seats: One part, fully upholstered and as follows:
 - a. Padding Thickness: Minimum 4 inches at front and rear edge.
 - b. Seat Underside: Steel sheet seat pan.
- D. Chair Width: Chair widths vary to accommodate sightlines and row lengths, refer to drawings for scope.
- E. Back Height: Standardstyle backs, 32-1/2 inches high.
- F. Back Pitch: 20%.
- G. Chair Seat Hinges: Self-lubricating, compensating type with noiseless self-rising seat mechanism passing ASTM F 851 and with positive internal stops cushioned with rubber or neoprene.
- H. Chair Back Hinges: Self-lubricating type with noiseless mechanism that raises back to vertical position when chair is unoccupied.
- I. Self-Rising Seat Mechanism: Spring-actuated, full fold.
- J. Armrests: Hardwood with rounded edges, concealed mounting.
- K. Aisle Lighting Fixtures: Manufacturer's standard fixtures.
 1. Power: 24 V.
 2. For low-voltage lighting, provide manufacturer's voltage-reduction device housed in safety enclosure equipped with fuses, terminal blocks, and safety disconnect.
- L. Row-Letter and Chair-Number and Donor Plates: Manufacturer's standard.
 1. Material: Aluminum with black embossed characters.
 2. Attachment: Manufacturer's standard method

M. Accessible Seating:

1. Provide removable chairs where wheelchair spaces are indicated.
2. Provide chairs with fold-up arm on aisle side in locations indicated, but not less than 5 percent of aisle seats. Identify these seats with a sign or marker.

2.3 FABRICATION

- A. Floor Attachments: Fabricate to conform to floor slope, if any, so that standards and pedestals are plumb and chairs are maintained at same angular relationship to vertical throughout Project.
- B. Upholstery: Fabricate fabric-covered cushions with molded padding beneath fabric and with fabric covering free of welts, creases, stretch lines, and wrinkles. For each upholstered component, install pile and pattern run in a consistent direction.
- C. Upholstered Chairs: Fabricate as follows:
 1. Two-Part Seats: Upper part, an upholstered cushion with molded padding over no fewer than five serpentine springs attached to reinforced steel frame, with weight-distributing and abrasion-resistant sheeting separating padding from springs, and removable for reupholstering without removing seat from chair. Lower part, steel pan reinforced at stress points and completely enclosing hinges and self-rising mechanism.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine floors, risers, and other adjacent work and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
- B. Examine locations of electrical connections.
- C. Examine locations of HVAC supply ducts.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install seating in locations indicated and fastened securely to substrates according to manufacturer's written installation instructions.
 1. Use installation methods and fasteners that produce fixed audience seating assemblies with individual chairs capable of supporting an evenly distributed 600-lb static load without failure or other conditions that might impair the chair's usefulness.
 2. Install standards and pedestals plumb.
- B. Install seating with chair end standards aligned from first to last row and with backs and seats varied in width and spacing to optimize sightlines.

- C. Install riser-mounted attachments to maintain uniform chair heights above floor.
- D. Install chairs in curved rows at a smooth radius.
- E. Install seating so moving components operate smoothly and quietly.
- F. Install wiring conductors and cables concealed in components of seating and accessible for servicing.

3.3 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
 - 2. Tests for Power Receptacles: As specified in Division 16 Sections.
 - 3. Tests for Data Ports: As specified in Division 16 Sections.
- B. Prepare test and inspection reports.

3.4 ADJUSTING

- A. Adjust chair backs so that they are aligned with each other in uniformly curved rows.
- B. Adjust self-rising seat mechanisms so seats in each row are aligned when in upright position.
- C. Verify that all components and devices are operating properly.
- D. Verify that seating returns to correct at-rest position.
- E. Repair minor abrasions and imperfections in finishes with coating that matches factory-applied finish.
- F. Replace upholstery fabric damaged during installation.

END OF SECTION 12610

**IFB 10 - 04, Dodd - Klein Equipment pre-Bid sign-in
215-16804-004 and 215-16805-002**

Company Name	Contact	email	Office Phone	Cell Phone
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Rigging Services	Joel Kirshner	jkirshner@srrigging.com	336-370-1900	336-273-9687

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Company Name	Contact	email	Office Phone	Cell Phone
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Street & Co.	Mike Shaner	mshaner@streetandco.com	804-338-0158	804-747-7780
DGI	Ron Penn	rpenn@deltagraphic.com	703-339-5815	

End of Sign-ins