SUNY Purchase College

TV STUDIO AND CONTROL ROOM; SOUND EDIT ROOM

SUCF 29401 HUMANITIES BUILDNG RENOVATI Section 27 41 16

GROUP III AV SYSTEMS EQUIPMENT SCHEDULE

KA Project #2638

DATE: 5 November 2014

BIDDERS SHALL CONFIRM ALL MODEL NUMBERS, QUANTITIES AND ACCESSORIES

NOTE: Brand names and model numbers listed herein represent the design basis used in this project. Except for those products listed as "XSTNG" (existing) or "OFE" (sole-sourced Owner Furnished Equipment), substitutions will be considered through the prescribed submittal process. Provide documentation supporting the equivalency of each requested substitution. No more than two substitutes for a given item will be considered, with the second submitted only if the first is rejected, with no implied assurance that either will be accepted. Costs of redesign to accommodate any substitution shall be borne by the Bidder, regardless of success or failure in being awarded this project. Any construction cost related to using an approved substitution shall be borne by the Contractor, having pursued such substitution(s). Submittals after award of Contract shall include incorporation of approved substitutions as if made part of the original Bid Documents.

Description	Manufacturer	Model	Qty	Note
TV STUDIO				
Audio Equipment				
Control Room Monitor	KRK	VXT6	2	
Grill Kit For C.R. Monitors	KRK	VXT6 Grill Kit	1	
Wall Mounts For C.R. Monitors	KRK	VXT6/8 Wall Mount	2	
Studio Monitors	KRK	RP10-3	2	
Wall Mounts For Studio Monitors	TBD	TBD	2	
16 Ch. Digital Mixing Console	Soundcraft	Si Performer 1	1	
Stage Box For Digital Mixing Console	Soundcraft	Mini Stagebox 16	1	
1X8 Stereo Distribution Amplifier	Rane	DA 216S	1	
Lavaliere Microphones	Sony	ECM66B	3	
Bodypack Wireless Microphone System	Shure	ULXS14/85	2	
Handheld Wireless Microphone System	Shure	ULXS124/85	1	
Rack Mount for Wireless Microphone Receiver	Shure	UA506	1	
4-Ch. Intercom Main Station	Clearcom	MS-704	1	
4-Ch. Intercom Headset Station	Clearcom	HB-704	7	
1-Channel Intercom Belt Packs	Clearcom	RS-701	3	
2-Channel Intercom Belt Packs	Clearcom	RS-702	1	
Double-Ear Intercom Headsts	Clearcom	CC-60	3	
Single-Ear Intercom Headsets	Clearcom	CC-40	8	
Director's Talkback Microphone	Clearcom	GM-18	1	
Line-Level Audio Patchbay - Double Row, 2x24Patch Point, 2RU. (See drawings and specs for configuration, grounding and normaling)	Audio Accessories (or equal; special shield-treatment wiring)	TBD by AV Contractor - Submit make and model for approval by Consultant	1	
Sound Edit Room and Related				
AVID HD Native Thunderbolt Interface, HD Omni Interface, Pro Tools HD Software Package	AVID	9935-65308-00	1	
Dante Card for Control Room Digital Console	Soundcraft	Si Dante Card	1	
App	Focusrite	RedNet 5	1	
Computer Platform for Protools Running Apple Operating System	Apple	iMac 3.2GHz quad-core Intel Core i5, Turbo Boost up to 3.6GHz,8GB (two 4GB) memory, 1TB hard drive, NVIDIA GeForce GT 755M with 1GB video memory		
Workstation Desk (verify color with Architect)	Omnirax	PRESTO-MP	1	
Monitor Loudspeakers	KRK	Rokit 6 G3	2	
Line Level Patchbay	TBD	TBD	1	
USB 3.0 2 6TB HDD Storage Array	Western Digital	WDBLWE0060JCH-NESN	1	
Small-Device Mounting Shelf	Middle Atlantic	UFA-14.5	1	
Small-Device Mounting Shelf Cover Panel	Middle Atlantic	UFAF-1	1	
Ancillary Rack I/O/ Panel	TBD by AV Systems Contractor	N/A		

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SUCF 29401
Humanities Building Renovation

Group III AV Systems
TV Studio/Control Room/Sound Edit Room
Equipment Schedule

Description	Manufacturer	Model	Qty	Note
Video Equipment				
Production Video Switcher	Blackmagic Design Design	ATEM 1 M/E Production Studio 4K	1	
Live Production Broadcast Control Panel	Blackmagic Design Design	ATEM 1 M/E Bradcast Panel	1	
Studio Camcorders (Head Only)	JVC	GY-HM850CHU	4	OFE
Lenses For Studio Cameras	Fujinon	XT17SX4.5BMD	4	
Wired/Wireless Ethernet Adaptors For Cameras	TBD by AV Systems Contractor	TBD by AV Systems Contractor	4	
Teleprompter	Prompter People	PRO-D-15	3	
Teleprompter Software Upgrade	Prompter People	SW-FQUPGR	1	
Teleprompter Extra Camera Mount	Prompter People	KIT-RED	3	
SSD/HDD Video Recorders	Blackmagic Design	Hyperdeck Studio Pro	3	
20x20 SDI Video Router	Blackmagic Design	Smart Video Hub 20x20	1	
240GB SSD Drives	Kingston	SH103S3/240G	6	
DVCAM recorders	Sony	DSR60	2	XSTNG
DVR remote controllers	JLCooper	ES-450 J4 RS422	1	
60" Control Room Front-Wall Display	Sharp	PN-E602	2	
Low-Profile Mounts for Front-Wall Display	Chief Mfg (or equal)	TBD by Contractor	2	
Elevating Pedestals	Display Devices/Eagle	PT-Pedevator2	3	
Robotic Pan/Tilt Heads For Pedesatals	Display Devices/Eagle	PT-250	3	
Robotic Pan/Tilt Head For Ceiling	Display Devices/Eagle	PT-101	1	
Pan/Tilt Controller	Display Devices/Eagle	PT-C55	1	
Pan/Tilt/Lift/Camera/Lens Power Supplies controller	Display Devices/Eagle	PT-PS-3	4	
Pan/Tilt Camera Control Board (internal to P/T head)	Display Devices/Eagle	PT-CCB-250 incl. cables (JVC GY-HM850U)	3	
Pan/Tilt Camera Control Board (internal to P/T head)	Display Devices/Eagle	PT-CCB-101 incl. cables (JVC GY-HM850U)	3	
Movable Clamping Hardware For Ceiling-Mounted Pan-Tilt Head	TBD by AV Systems Contractor	TBD	Lot	
VGA to Composite Converter	StarTech (or equal)	VGA2VID	1	
Composite Video DA for Prompters	Ocean Matrix	EXT-VGA-CAT5-148S	1	
SDI to HDMI Converter	Blackmagic Design	Mini Converter SDI to HDMI	2	
HDMI Extender Transmitter	Atlona	AT-HDTX	2	
HDMI Extender Receiver	Atlona	AT-HDRX	2	
Character Generator Software	DataVideo	CG-350	1	
SDI PCIe Card for C.G.	Blackmagic Design	Decklink 4K Extreme	1	
SDI PCIe Card for Mac Pro Ingest	Blackmagic Design	Decklink Studio 4K	1	
SSD multiple-drive dock	Blackmagic Design	MultiDock	1	
Waveform Scope	Blackmagic Design	Ultrascope	1	
Video Reference Generator	Grass Valley	ADVC G4	1	
Blu-ray Disc Player	Pioneer	BDP-80FD	1	
DMX/RS485 Splitter	Martin Professional	DMX 5.3	1	
Video Server Running Apple Operationg System	Apple	Mac Pro 3.7GHz quad-core with 10MB of L3 cache; 6GB (4x4GB) of 1866MHz DDR3 ECC; 256GB PCIe-based flash storage; Dual AMD FirePro D300 GPUs with 2GB of GDDR5 VRAM each; Apple USB SuperDrive; Apple Magic Mouse; Apple Wireless; Keyboard - English; User's Guide (English)	1	
Thunderbolt 2 6TB HDD Storage Array	G Technology	0G03501	1	
16TB Network Attached Storage	Western Digital	WDBWWD0160KBK-NESN	1	
Two PCIe Card Expansion Frame	Sonnet	Echo Express II-R	1	
Rack Mount for Mac Pro	JMR	MPRO-HORZ	1	
PC Computer for Character Generator	Hewlett Packard	D3K31UT#ABA (or approved equal)	1	
Video Graphics Card for C.G. Computer	Zotac	ZT-70601-10M	1	
PC Computer for Waveform Scope	Hewlett Packard	D3K31UT#ABA (or approved equal)	1	
PC Computer for Teleprompters	Hewlett Packard	D3K31UT#ABA (or approved equal)	1	
PC Computer for Additional Desk Position (Shown at Producer position on Sheet AV 503)	Hewlett Packard	D3K31UT#ABA (or approved equal)	1	
Computer Display Monitors	NEC	EA224WMi-BK	5	

Description	Manufacturer	Model	Qty	Note
Portable Cables (Specific Interconnects; Note that omission of any specific cable from this list does not relieve the AV Systems Contactor from providing a complete and working system, regardless of any such omission.)				
Headset Station Multicable (made up as snake for connection at AVP-202 or 203; drill or punch Extron AAP filler plate for cable passthrough; provide cable clamp or grommet with strain relief))	Gepco(or equal)	GA61804GFC	7	
16-Ch., 15', Multipin to XLR-M Microphone Fanout for Mixing Console Connection	Whirlwind	TBD by AV Systems Contractor	1	
Intercom Splitters for Desk Stations	Clearcom	SB-4	4	
RJ45 jack to male XLR 3-Pin Adaptor for Camera Robotics Control via RS-485 (one is spare)	TecNec	DMX-3XM-CAT5	2	
15' RS485 (aka, "DMX") Cables for Camera Robotics	Rapco Horizon	SDMX3-15	3	
50' RS485 (aka, "DMX") Cables for Camera Robotics	Rapco Horizon	SDMX3-50	4	
Male D-Sub 9-pin to Neutrik Ethercon Cable from Robotics Controller to AV DATA Connector on AVP	Custom or TBD by AV Systems Contractor	TBD or N/A	1	
VGA-VGA Cable for Telepropter Computer to Converter	TBD by AV Systems Contractor	TBD by AV Systems Contractor	1	
15' BNC-BNC Cables for Teleprompters	Pearstone	SDI-1015	4	
50' BNC-BNC Cables for Teleprompters	Pearstone	SDI-1050	3	
3' CAT6A Patch Cable, AVP-201 to HDMI Extender	Blackbox	C6APC80S-BK-03	1	
3M etherCON CAT6 Patch Cable, AVP to HDMI Extender for Mac Pro Monitor	Neutrik	NKE6S-3-WOC	1	
3M' etherCON CAT6 Patch Cable, AVP to Dante to Protools Bridge	Neutrik	NKE6S-3-WOC	1	
3M etherCON CAT6 Patch Cable, AVP to Sound Edit Computer	Neutrik	NKE6S-3-WOC	1	
5M etherCON CAT6 Patch Cable, AVP to Computers and Broadcast Panel at Production Desks	Neutrik	NKE6S-5-WOC	5	
2' BNC-90 deg. BNC HD-SDI Cable, AVP-201 to SDI/HDMI Converter	Canare	CA6HSVBRA2	2	
HDMI Cables from To/From Extenders,Converters and Monitors, Computers or Blu-ray	Extrom	HDMI Micro Series (length TBD by AV Systems Contractor)	Lot	
HDMI Cable, Mac Pro to Production Video Switcher	Extrom	HDMI Utra Series 26-663-06	1	OFE
RS-422 Cable Adaptors for Recorder Remote Control (as shown on Sheet AV222b)	Custom	N/A	Lot	
SDI Cable for Digital Audio Mixer Word Clock	Pearstone	SDI-1006	1	
SDI Cable for Digital Audio Mixer Word Clock (OK as spare if not used for this purpose)	Pearstone	SDI-1015	1	
10' AES/EBU Cable, AVP-203 to Digital Console	Whirlwind	DKF10	2	
AVID DigiLink Cables, RedNet HD OMNI to HD Native Interface	AVID	TBD by AV Systems Contractor	2	
Thunderbolt Cable, HD Native Interface to Sound Edit Computer	Apple	TBD by AV Systems Contractor	1	
6' USB 3.0 Cable, Raid Storage to Sound Edit Computer	Tether Tools	CU5408	1	
25' BNC-BNC Camera and General Studio 3G-SDI (capable) Tie Lines	Canare	VIC025F	5	
50' BNC-BNC Camera and General Studio 3G-SDI (capable) Tie Lines	Canare	VIC050F	5	
100' BNC-BNC Camera and General Studio 3G-SDI (capable) Tie Lines	Canare	VIC100F	1	
Thunderbolt Cable, Multidock to Mac Pro	Apple	MF639ZM/A	1	
Thunderbolt Cable, HDD Storage to Mac Pro	Apple	MF640ZM/A	2	
DVI-D Male to DVI-D Mael Dual Link Cables for Production Desk Monitors	Kramer	C-DM/DM-6	4	
1' Lockable CAT6 Patch Cables	Blackbox	LockPort C6UR-SK-STR-001GN	4	
3' Lockable CAT6 Patch Cables	Blackbox	LockPort C6UR-SK-STR-001GN	2	

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Description	Manufacturer	Model	Qty	Note
Portable Patch and General Interconnect Cables				
20' Microphone Cables	ProCo	EXM-20	10	
50' Microphone Cables	ProCo	EXM-50	2	
2' Bantam Patch Cords for Microphone Patching	Audio Accessories (or approved equal)	TBD	10	
1' 1/4" Longframe Audio Patch Cables	Audio Accessories (or approved equal)	TBD	6	
2' 1/4" Longframe Audio Patch Cables	Audio Accessories (or approved equal)	TBD	10	
3' 1/4" Longframe Audio Patch Cables	Audio Accessories (or approved equal)	TBD	10	
1' 1/4" Longframe Video Patch Cables	Audio Accessories (or approved equal)	TBD	6	
2' 1/4" Longframe Video Patch Cables	Audio Accessories (or approved equal)	TBD	16	
3' 1/4" Longframe Video Patch Cables	Audio Accessories (or approved equal)	TBD	10	
6" CAT6 Patch Cables	Amp NetConnect (or approved equal)	TBD	6	
1' CAT6 Patch Cables	Amp NetConnect (or approved equal)	TBD	6	
2' CAT6 Patch Cables	Amp NetConnect (or approved equal)	TBD	10	
3' CAT6 Patch Cables	Amp NetConnect (or approved equal)	TBD	6	
2' Multimode Fiberoptic LC Patch Cords	Blackbox (or equal)	TBD	4	
Cable in Conduit (Provided by AV Infrastructure Contract. Listed here in the event additional cable in conduit is required.)				
Mic Cable in Conduit, AES3 compliant	West Penn (or equal by Belden)	DA2401 (Belden 1800B)	Lot	
Line-Level Cable in Conduit, AES3 complaint	West Penn (or equal by Belden)	DA2401 (Belden 1800B)	Lot	
Intercom Shielded-Pair Cable in Conduit	West Penn (or equal by Belden)	DA2401 or 291 (Belden 1800B or 8451)	Lot	
Jacketed Loudspeaker Cable in Conduit - Main Loudspeakers	West Penn (or equal by Belden)	C210 (Belden 5T00UP	Lot	
Unjacketed Loudspeaker Cable in Conduit - Monitor/ Effects Loudspeakers	West Penn (or equal by Belden)	C207 (Belden 1860A)	Lot	
Unjacketed Loudspeaker Cable in Conduit - Monitor/Page Ceiling Loudspeakers	West Penn (or equal by Belden)	C205 (Belden 1862A)	Lot	
Video Cable in Conduit	West Penn (or equal by Belden)	6350 (Belden 1694A)	Lot	
AV Data Cable in Conduit, Cat6	West Penn (or equal by Belden or AMP)	4246 (Belden 7883)(AMP 219560)	Lot	
Video Transport Category 6 F/UTP Cable in Conduit	West Penn (or equal by Belden)	4246F (Belden 1351A)	Lot	
H.A.S Antenna Cable	West Penn (or equal by Belden)	810 (Belden 8237)	Lot	
Lighting Components				
Lighting Fixture	Rosco	Braq WNC - Black W/ Power Cord 1345.00 16140.00	12	
Preset remote control	Rosco	Miro/Braq Dmx Preset Remote	1	
Fixture clamp	Light Source	Mega-Clamp	12	
25' Power cable to work with lighting fixture	TBD	14/3 Powercon Cable	3	
10' Power cable for use with lighting fixture	TBD	14/3 Powercon Cable	6	
5' Power cable for use with lighting fixture	TBD	14/3 Powercon Cable	6	
100' 5-pin lighting control cable	TBD	5 Pin Control Cable	1	
50' 5-pin lighting control cable	TBD	5 Pin Control Cable	1	
25' 5-pin lighting control cable	TBD	5-Pin Control Cable	3	
10' 5-pin lighting control cable	TBD	5-Pin Control Cable	9	
5' 5-pin lighting control cable	TBD	5' 5 Pin Control Cable	6	

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Description	Manufacturer	Model	Qty	Note
Miscellaneous				
Swingout Equipment Rack	Middle Atlantic	DWR-35-26	1	
Ancillary Mobile Rack	Chief Mfg.	ERK-16-20B	1	
Director'sStation Desktop Rack	Middle Atlantic	Slim 2-6M	1	
Intercom Headset-Station Surface-Mount Boxes	Extron	SMB-102	7	**OFE**
Filler Plates for Headset-Station Boxes	Extron	70-090-12	7	**OFE**
Brush Gommet	Middle Atlantic	BR-1	1	
Rack Shelf for Blu-ray Player (affix player to shelf)	Middle Atlantic	U2	1	
Small-Device Mounting Shelf	Middle Atlantic	UFA-14.5	1	
Small-Device Mounting Shelf Cover Panel	Middle Atlantic	UFAF-1	1	
Copper Bus Bar	Lowell	GBB-36	1	
Power Sequencing Controller and Power Outlets	Middle Atlantic or equal by Raxxess, Lowell or Atlas	USC-6R + outlets	1	
Basket -type Cable Tray (AV Systems Contractor shall affix to production-table legs. See AV504).	Legrand	CF 105/100	3	
Miscellaneous Vent and Blanks	Middle Atlantic or equal	Various	Lot	
Miscellaneous Security Covers	Middle Atlantic or equal	SC-x	Lot	
Miscellaneous Security Screws	Middle Atlantic or equal	HS	Lot	
Miscellaneous Wire and Hardware	Various	Various	Lot	
Contractor/Consultant Acknowledgement Plaque(s)/Panel(s) for Fixed Equipment Racks	Custom	Custom	Lot	

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