



US INFORMATION SYSTEMS AUDIO VIDEO DRAWING ISSUANCE CHECKLIST



				Design				Build	Bid - Build
PAGE	SECTION	ADDITIONAL	PURPOSE / COMPLETION NOTE	PRE	50% DD	100% DD SET / 50% CD / Bid Set	100% CD SET	AV BUILD SET	Partial UAV Package
Support Documentation									
	Bill of Materials				X		X	X	X
	AV Schematic One Lines				X		X		
Cover Page									
(AV-00.001)	Division of Responsibility		Covers all agreements made with Client, GC and electrical contractor		Filled	Filled	Filled	Confirmed	Filled
	Drawing Index	Facilities Drawing Index	Updated with Dates and rev numbers. Rev number schem is 1,2,3 etc		X	X	X	X	X
	Drawing Index	Schematics Drawing Index	Updated with Dates and rev numbers. Rev number schem is A,B,C etc					X	X
Symbols & Notes									
(AV-00.002)	Abbreviations		Covers all abbreviations used in package. Includes Acoustical, Lighting, Power and AV symbols.		X	X	X	X	X
	Conduit Legend		Covers all symbols used in package		X	X	X	X	X
	Electrical & Architectural Notes		Covers all agreements made with GC and electrical contractor		X	X	X	X	X
	AV & Electrical Symbol Legend		Covers all symbols used in package		X	X	X	X	X
	Floor Mount Symbols		Covers all symbols used in package		X	X	X	X	X
AREAS OF WORK									
(AV-00.003 - #)	Floor Plans	Per Floor Floor Layout			X	X	X	X	X
		Each Area of Work called out with AV series call out information	Furniture layer should be shown in the CAD/Revit backgorund		X	X	X	X	X
AV-Details									
(AV-00.501 - #)	Mounting Details For Wall Mounted Equipment	Device Make/Model	For devices require add on parts (i.e. projector lense) we need to include that in the information			X	X	X	X
		Device Details	Details for display include Make/Model, Weight, Power requirement, power consumption			X	X	X	X
			Measurements both overall physical and viewable area if applicable			X	X	X	X
		Mount Make / Model				X	X	X	X
		Blocking Rquirements				X	X	X	X
		In Wall AV Storage Make / Model	This can be substituted for in wall gang box by others			X	X	X	X
		Niche/Framing Build Out Details and Dimensions				X	X	X	X
		Color Requirements					X	X	X
		Room Numbers The Detail Applies Too					X	X	X
		Cloud Potential Problems		X		X	X		

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	Mounting Details For Celing Mounted Equipment	Device	Make/Model			X	X	X	X	
		Device Details	Details for display include Make/Model, Weight, Power requirement, power consumption				X	X	X	
			Measurements both overall physical and viewable area if applicable				X	X	X	
			Specific angling or directional details (i.e. Speakers)				X	X	X	
		Mount Make / Model					X	X	X	
		Construciton Infastucture by others	Unistrut / Threaded Rod / Beam Clamps/Rigging, electrical boxes			X	X	X	X	
		Construciton Infastucture by USIS	Shock Mounts, custom pipes/rigging			X	X	X	X	
		Safety / Osha infastruture	Safety chains, airplane wire etc				X	X	X	
		Color Requirements						X	X	
		Room Numbers The Detail Applies Too						X	X	X
		Cloud Potential Problems					X	X		
	Non Moutned Hardware	Device Make/Model	(i.e free standing racks)			X	X	X	X	X
		Device Details	Measurements of overall footprint and usable space					X	X	X
		Color Requirements						X	X	X
		Cloud Potential Problems				X	X			
	Mounting Details For Table Mounted Equipment	Device Make/Model				X	X	X	X	X
			Measurements both of the needed cutouts and the device physcial attributes					X	X	X
		Color Requirements						X	X	X
		Cloud Potential Problems				X	X			
	AV Facilities & Electrical Plan									REFER TO THE CONSULTANT / BID PACKAGE
(AV-0#.101 - #)	Electrical Plan	Furniture			X	X	X	X		
		Equipment Footprint	(Equipment to Scale)		X	X	X	X		
		Power Requirements			X	X	X	X		
		Data Requirements			X	X	X	X		
		Wall Mounted Device Info	Make/Mode, BTU Calc, Heatload Calc		X	X	X	X		
		Wall conduit location markers			X	X	X	X		
		Table Microphones	Make / Model			X	X	X		
		Table Microphones	Each get a unique ID (for tables)			X	X	X		
		Floor Box / Poke Though Detail	Make / Model		X	X	X	X		
		Color Requirements						X		
		Cloud Potential Problems			X	X	X			

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	Display Elevations - FRONT	Front view with mill work / furniture	For both Flat panel displays and projection screens		X	X	X	X	REFER TO THE CONSULTANT / BID PACKAGE
		Racks (if within the sliced view)			X	X	X	X	
		Any thing installed on wall drawn to scale	For both Flat panel displays and projection screens		X	X	X	X	
		Bottoms of display measuremetns	For both Flat panel displays and projection screens		X	X	X	X	
		Center of camera moutning device measurementms	(For Flat Panel Displays)		X	X	X	X	
		Reference Detail Page Call Out	(For Flat Panel Displays)			X	X	X	
		Projection Screen Dimensions	Viewable area		X	X	X	X	
			Measuremens from AFF		X	X	X	X	
			Image Overall Hieght in room		X	X	X	X	
			Blackdrop measurement requiriements		X	X	X	X	
			Installation measurements referencing room as anchor point of measurement				X	X	
		Color Requirements						X	
		Cloud Potential Problems			X	X	X		
	Display Elevations - SIDE	Devices	Drawn to scale		X	X	X	X	
		Seating Plan with Sight Lines	Drawn to scale		X	X	X	X	
		Projection Viewing Angles Acceptable Areas			X	X	X	X	
		Projector	Projector throw distance desired installation distance		X	X	X	X	
			Installation measurements referencing room as anchor point of measurement.				X	X	
		Projection Screen	Top of image measurement		X	X	X	X	
			Projector light path shown		X	X	X	X	
		Stages	Drawn to scale			X	X	X	
			Include expected stage measurements - width and hieght			X	X	X	
			Drawn with typical human body at the presenters location as a reference			X	X	X	
		Truss	Show overlayed within our AV view			X	X	X	
		Theatrical Lighting	Show overlayed within our AV view			X	X	X	
		Cameras	Viewing Cone with Correct lense		X	X	X	X	
		Speakers	Drawn to scale		X	X	X	X	
			Installation measurements referencing room as anchor point of measurement.			X	X	X	
		Racks (if within the section view)			X	X	X	X	
		Any devices on the wall that are in the section side view.	Measurements based on anchor points within the room				X	X	
		Cloud and Reference Potential Problems			X	X	X		

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	Control Desk / Conference Table Detail	Devices	Make / Model		X		X	X	X
			Drawn to scale		X		X	X	X
			Installation measurements referencing room as anchor point of measurement.				X	X	X
			Grommets and cut out holes by others		X		X	X	X
		Mounting Hardware	Drawn to scale		X		X	X	X
			Show extensions of articulating mounts				X	X	X
		Seating Plan / Seat Layout	Drawn to scale		X		X	X	X
			Drawn with typical human body at the presenters location as a reference				X	X	X
		Color Requirements			X		X	X	X
		Cloud Potential Problems			X	X	X		
	Ceiling Plans	Power required			X	X	X	X	REFER TO THE CONSULTANT / BID PACKAGE
		Power Notes			X	X	X	X	
		Ceiling boxes for AV devices	Make / Model / Qty		X	X	X	X	
			Each get a unique ID		X	X	X	X	
		Display Device	Make / Model / Add On Parts / Qty		X	X	X	X	
			Each get a unique ID		X	X	X	X	
			Projector Throw distance min and max		X	X	X	X	
			Projector throw distance desired installation distance		X	X	X	X	
			Show reference to room measurements for correct location isntallation				X	X	
		Projection Screens/Materials	Make / Model / Qty		X	X	X	X	
			Description of viewing surface measurements		X	X	X	X	
			Show reference to room measurements for correct location isntallation				X	X	
		Speakers	Make / Model / Qty		X	X	X	X	
			Each Zone gets a unique ID		X	X			
			Shown daisy chain flow (if applicable)		X	X	X	X	
			Show reference to room measurements for correct location installation				X	X	
		Low Voltage Interfaces	Each get a unique ID		X	X	X	X	
			Show reference to room measurements for correct location isntallation				X	X	
		Microphones	Make / Model / Qty		X	X	X	X	
			Each get a unique ID (for ceiling)			X	X	X	
							X	X	
		Refence to detail page			X		X	X	
		Truss	Shown overlayed within our AV view (if applicable)			X	X	X	
		Color Requirements					X	X	
		Cloud Potential Problems			X	X			

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	Conduit Riser	All conduits showing requiried size			X	X	X	X	X
		All juntion boxes specified and ID'd	Each location should be uniquely ID'd and have their A.F.F hieght		X	X	X	X	X
		All floorboxes recommended and ID'd	Each location should be uniquely ID'd		X	X	X	X	X
		Free Air cabling path shown for reference	Each location should be uniquely ID'd		X	X	X	X	X
		Ceiling Speaker Zones	Each location should be uniquely ID'd		X	X	X	X	X
			P' , 'R' , 'S' speaker zone designations showing pendant, recessed or surface mounted.		X	X	X	X	X
AV Schematics									
(AV-0#.301 - #)	Single Page Schematic	Equipment Blocks	Showing the Audio, Video, Control, Netowrk and Power connections needed only					X	X
			Detailing accessories and cards that need to be installed outside of the main frame					X	X
			Show Dip Switch Settings					X	X
			Color Specific					X	X
		Connection Details	Per connection Connector call out					X	X
			Termination legend					X	X
		Wire Numbering	Internal rack cables are numbered with two digits					X	X
			Multi Racks systems - Rack 1 has numbers starting with 1, rack 2 has numbers starting with 2 and Rack 3 has number starting with 3.					X	X
			Exetnal rack cables are numberd with three digits					X	X
		Number Legends	Internal Rack Used Numbers = Section 1					X	X
			Field Cabling Used Numbers = Section 2					X	X
		Terminal Strips	Specific number per terminal strip					X	X
			Number of positions per strip					X	X
		Network connections						X	X
		Power connections	Both Standard power and PoE					X	X
		Rack Elevations	Call out Make/ Mode with all additional units including Rack tops, Rack bases, Vertical Power strips and Grounding Bus Bars					X	X
		Notes	Notes specific to this particular system / space					X	X

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	Video Only Schematic	Equipment Blocks	Showing the only the Video connections needed only					X	X
			Detailing accessories and cards that need to be installed outside of the main frame					X	X
			Show Dip Switch Settings					X	X
			Color Specific					X	X
		Connection Details	Per connection Connector call out					X	X
			Termination legend					X	X
		Wire Numbering	Internal rack cables are numbered with two digits					X	X
			Multi Racks systems - Rack 1 has numbers starting with 1, rack 2 has numbers starting with 2 and Rack 3 has number starting with 3.					X	X
			Exetnal rack cables are numberd with three digits					X	X
		Number Legends	Internal Rack Used Numbers = Section 1					X	X
			Field Cabling Used Numbers = Section 2					X	X
			Number of positions per strip					X	X
		Network connections	Only shwo what is used to transport video over					X	X
		Notes	Notes specific to only video that is particular to this system / space					X	X
	Audio Only Schematic	Equipment Blocks	Showing the only the Audio connections needed only					X	X
			Detailing accessories and cards that need to be installed outside of the main frame					X	X
			Show Dip Switch Settings					X	X
			Color Specific					X	X
		Connection Details	Per connection Connector call out					X	X
			Termination legend					X	X
		Wire Numbering	Internal rack cables are numbered with two digits					X	X
			Multi Racks systems - Rack 1 has numbers starting with 1, rack 2 has numbers starting with 2 and Rack 3 has number starting with 3.					X	X
			Exetnal rack cables are numberd with three digits					X	X
		Number Legends	Internal Rack Used Numbers = Section 1					X	X
			Field Cabling Used Numbers = Section 2					X	X
			Number of positions per strip					X	X
		Network connections	Only shwo what is used to transport audio over					X	X
		Notes	Notes specific to only video that is particular to this system / space					X	X

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AV Schematics									
(AV-0#.401 - #)	Control Only Schematic	Equipment Blocks	Showing the only the Control connections needed only					X	X
			Detailing accessories and cards that need to be installed outside of the main frame					X	X
			Show Dip Switch Settings					X	X
			Color Specific					X	X
		Connection Details	Per connection Connector call out					X	X
			Termination legend					X	X
		Wire Numbering	Internal rack cables are numbered with two digits					X	X
			Multi Racks systems - Rack 1 has numbers starting with 1, rack 2 has numbers starting with 2 and Rack 3 has number starting with 3.					X	X
			Exetnal rack cables are numberd with three digits					X	X
		Number Legends	Internal Rack Used Numbers = Section 1					X	X
			Field Cabling Used Numbers = Section 2					X	X
			Number of positions per strip					X	X
		Network connections - Internal AV Network	Only shwo what is used for LAN based control or to be used for configuration and montioring purposes.					X	X
		Client LAN Requirements	Show deivces being connected to LAN Provided By others. This is not to duplicate connections already called out for on the specific audio or video schematics.					X	X
		Notes	Notes specific to only video that is particular to this system / space					X	X
AV Rack Elevations									
(AV-0#.601 - #)	Rack Elevation	Rack Elevations	Call out Make/ Mode with all additional units including Rack tops, Rack bases, Vertical Power strips and Grounding Bus Bars					X	X
		Notes	Notes specific to this particular system / space					X	X