

REFER TO AUDIO VIDEO BACK BOX SCHEDULE FOR QUANTITES OF EACH TERMINATION ID

- NOTES:
1. AV CABLING CONDUIT HAS STRICT REQUIREMENTS REGARDING SIGNAL TYPES ALLOWED TO SHARE CONDUITS. SEPARATION OF CONDUITS FROM OTHER TYPES, AND OTHER SOURCES OF POTENTIAL INTERFERENCE, SUCH AS POWER CONDUITS, AND CONDUIT SIZING. THE CONDUIT SIZE SCHEDULE SHOWS THE QUANTITY, TYPES, AND SIZE OF CONDUIT NEEDED TO BRING CABLING TO EACH PARTICULAR TERMINATION BACK BOX AND PANEL. THE TERMINATION AND CONDUIT SIZE SCHEDULES ALSO INDICATE THE INTENDED DESTINATION OF EACH TYPE OF CABLING (CONDUIT) LISTED.
 2. ALL OF THIS INFORMATION IS PROVIDED SO THAT THE ELECTRICAL ENGINEER CAN PROVIDE A PROPER CONDUIT SYSTEM DESIGN TO SUPPORT THE AV SYSTEMS CABLING. IT IS IMPORTANT TO NOTE THAT IT IS NOT THE INTENTION THAT EACH CONDUIT SHOULD HOME RUN TO ITS DESTINATION. THIS IS OFTEN IMPOSSIBLE TO DO IN THE SPACE ALLOWED AND IS A VERY EXPENSIVE WAY TO PROVIDE CONDUIT FOR THE AV SYSTEMS. CONDUITS OF LIKE SIGNAL GROUPS (INDICATED AS GROUPS 1 THROUGH 6 IN THE SCHEDULES) MAY BE BROUGHT TOGETHER AT A JUNCTION BOX AND THEN A SINGLE LARGER CONDUIT CAN RUN FROM THERE TO THE DESTINATION(S). THIS IS A MORE EFFICIENT AND COST-EFFECTIVE WAY TO DESIGN A CONDUIT SYSTEM FOR THE AV CABLING. ALSO IMPORTANT TO NOTE, THE JUNCTION BOXES MUST BE SEPARATED BY SIGNAL GROUP AS WELL SO THAT ONLY ONE SIGNAL GROUP IS IN EACH JUNCTION BOX. DIVIDERS ARE NOT ALLOWED.

AUDIO VIDEO CONDUIT SCHEDULE				
SIGNAL GROUP	WIRE QTY	DESTINATION	NOTE:	MIN CONDUIT SIZE
FHDY				
III	2	AMRK		3/4"
V	4	AMRK		1"
HSAA				
IV	2	AMRK		1"
HSAN				
IV	3	AMRK		1 1/4"
HSAX				
II	3	AMRK		3/4"
V	5	AMRK		1"
HSCM				
II	3	AMRK		3/4"
HSCP				
V	2	AMRK		3/4"
HSMX				
II	3	AMRK		3/4"
V	8	AMRK		1 1/2"
HSRM				
I	3	AMRK		3/4"
HSVI				
V	2	AMRK		3/4"
LSCC				
III	31	AMRK		3" *
LSCF				
III	3	AMRK		1"
LSMN				
III	14	AMRK		2"
LSSL				
III	2	AMRK		3/4"
STFB				
V	5	AMRK		1 1/4"
STGA				
I	7	AMRK		3/4"
II	9	AMRK		1 1/4"
V	8	AMRK		1 1/4"
STGC				
I	5	AMRK		3/4"
II	7	AMRK		1"
V	8	AMRK		1 1/4"
STPA				
V	7	AMRK		1 1/4"
STSC				
III	2	AMRK		3/4"
STTP				
V	2	AMRK		3/4"

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NOTE:

MOST OF THE EQUIPMENT, WITH FEW EXCEPTIONS, WILL REQUIRE ISOLATED GROUND TECHNICAL POWER. PLEASE SEE THE ADVISORY AV ISOLATED GROUND POWER SKETCH FOR USE AS A GUIDE IN DESIGNING THE AV ISOLATED GROUND POWER SYSTEM. THE SYSTEM WILL REQUIRE THE USE OF A K-13 RATED, DOUBLE-SHIELDED, COPPER WOUND, GROUND ISOLATION TRANSFORMER. USE OF A HARMONIC MITIGATING TRANSFORMER WITH ISOLATED GROUND CAN ALSO BE ALLOWED. EATON K-FACTOR OR SIMILAR FOR K-13 RATED TRANSFORMERS AND HAMMOND POWER SYSTEMS HPS SENTINEL SERIES OR SIMILAR FOR HARMONIC MITIGATING TRANSFORMERS ARE ACCEPTABLE.

AUDIO VIDEO POWER SCHEDULE								
TERMINATION ID	POWER ID	CIRCUIT QTY	CIRCUIT PHASE	VOLTS	AMPS	AV RECEPTACLE QTY	AV RECEPTACLE TYPE	NOTE
AMRK								
AMRK	AVIG	6	1PH	120V	20A	6	JBOX	
FHDY								
FHDY	AVIG	1	1PH	120V	20A	1	DUPLEX	
HSAX								
HSAX	AVIG	1	1PH	120V	20A	1	QUAD	
HSMX								
HSMX	AVIG	2	1PH	120V	20A	2	QUAD	SPACE EVENLY ALONG MIX BOOTH WALL
STFB								
STFB	AVIG	1	1PH	120V	20A	1	QUAD	
STGA								
STGA	AVIG	2	1PH	120V	20A	1	QUAD	
STGC								
STGC	AVIG	1	1PH	120V	20A	1	QUAD	
STPA								
STPA	AVIG	1	1PH	120V	20A	1	QUAD	
STSC								
STSC	AVIG	1	1PH	120V	20A	1	JBOX	

AUDIO VIDEO IT LOCATION SCHEDULE	
TERMINATION ID	DATA QTY
AMRK	4
FHDY	1
HSMX	2



PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

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Notes

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