

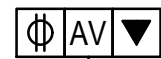



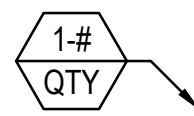
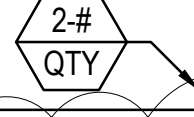
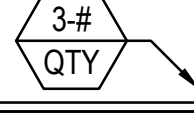
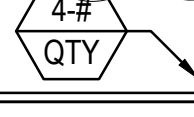
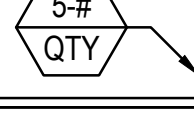
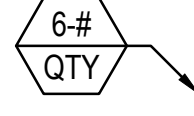
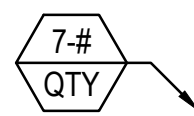
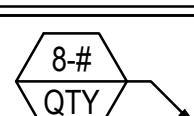

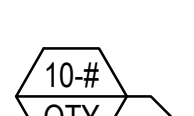


DRAWING LIST									
NO.	DRAWING NO.	DRAWING NAME	ISSUE DATE						
			AS/ #22 - R1 01.20.2017	ISSUE FOR AV BID - 01.20.2017					
1	AV-001.00	AUDIOVISUAL DRAWING LIST INDEX AND LEGEND	X	X					
2	AV-002.00	AUDIOVISUAL GENERAL CONDITIONS	X	X					
3	AV-223.00	AUDIOVISUAL MSB FIRST FLOOR FACILITY COMPOSITE PLAN	X	X					
4	AV-423.00	AUDIOVISUAL MSB FIRST FLOOR ELECTRICAL COMPOSITE PLAN	X	X					
5	AV-601.00	AUDIOVISUAL MSB FIRST FLOOR CONDUIT RISER	X	X					
6	AV-701.00	AUDIOVISUAL MSB DETAILS	X	X					
	AV-801	AUDIOVISUAL SYSTEM FUNCTIONAL DIAGRAM		X					
	AV-802	AUDIOVISUAL EQUIPMENT RACK ELEVATION		X					

AUDIOVISUAL SYMBOLS			
SYMBOL	DESCRIPTION	TYPES	
FLOOR MOUNTED			
	MULTI-DISCIPLINE RECESSED POKE-THRU COMPARTMENTS FOR SHARED ACCESS WITH DATA AND 12VAC POWER. FLUSH MOUNT IN FLOOR UNLESS OTHERWISE INDICATED. SUBNUMBER INDICATES TYPE. CENTER COMPARTMENT RESERVED FOR AV ONLY.	1	6" WIREMOLD 8-AT. DEVICE PLATES TO BE SPECIFIED
		2	8" WIREMOLD 8-AT. DEVICE PLATES TO BE SPECIFIED
		3	
		4	
	STUB UP FOR AUDIOVISUAL CABLING.	1	SEE CONDUIT RISER FOR SIZES
WALL MOUNTED			
	IN-WALL BOX, WITH DIVIDED COMPARTMENTS FOR SHARED ACCESS WITH AUDIOVISUAL, DATA AND 120VAC POWER. MOUNT FLUSH WITH FINISHED WALL TREATMENT. SUBNUMBER INDICATES TYPE.	1	FOR MONITOR <32" CHIEF PAC526FAB4
	CONDUIT TERMINATION POINT ENCLOSURE. SUBNUMBER INDICATES TYPE AND SIZE.	1	
	DATA OUTLET. QTY DATA DROPS INDICATED BY #	1	
	20A, 120V 3-WIRE WALL MOUNTED GROUNDED DUPLEX RECEPTACLE, NEMA 5-20R.	1	
CEILING MOUNTED			
	GANGABLE JUNCTION BOX WITH CONDUIT KNOCK OUTS FOR CONNECTIVITY. MOUNT FLUSH WITH FINISHED CEILING TREATMENT OR ON SLAB. (#) INDICATES NUMBER OF GANG. "X" REPLACED WITH BOX USAGE TYPE.	1	"S" FOR SPEAKER CONNECTIVITY
		2	"ANT" FOR ANTENNA CONNECTIVITY
		3	"OCC" FOR OCCUPANCY SENSOR CONNECTIVITY

AUDIOVISUAL - KEYNOTE LEGEND	
SYMBOL	DESCRIPTION
	EQUIPMENT RACKS: 1 - 1 CREDENZA
	CONNECTIVITY: 2 - 1 POKE THRU INTO TABLE PEDESTAL (EXISTING) 2 - 2 WALL PLATE
	CONTROLS/SCHEDULING: 3 - 1 BUTTON CONTROLLER
	AUDIO INPUT: 4 - 1 TABLE MOUNTED BOUNDARY MICROPHONE WITH HALO AND SWITCH
	AUDIO OUTPUT: 5 - 1 CEILING RECESSED LOUDSPEAKERS
	VIDEO ORIGIN/SOURCE: 6 - 1 WALL MOUNTED TRACKING CAMERA 6 - 2 WALL MOUNTED PTZ CAMERA
	VIDEO DISPLAY (TYPE 1): 7 - 1 (75") WALL MOUNTED FLAT PANEL 7 - 2 (98") WALL MOUNTED FLAT PANEL 7 - 3 (55") WALL MOUNTED FLAT PANEL
	VIDEO DISPLAY (TYPE 2): 8 - 1
	VIDEO DISPLAY (TYPE 3):
	MISCELLANEOUS: 10 - 1 IPAD ROOM SCHEDULER 10 - 2 TABLE HATCH, 24" (COMES WITH TABLE) 10 - 3 TV ANTENNA 10 - 4 OCCUPANCY SENSOR

ESTIMATED SIZE HVAC LOADS						
1	THE NORMAL HVAC PROVISIONS FOR THE CONFERENCE ROOMS SHOULD BE SUFFICIENT TO HANDLE ANY ADDITIONAL HEAT LOAD PRESENTED BY THE AUDIOVISUAL SYSTEM COMPONENTS WITHIN THE CONFERENCE.					
2	A THERMOSTAT WITHIN EACH CONFERENCE ROOM IS RECOMMENDED TO PROPERLY MAINTAIN ROOM TEMPERATURE.					
3	ROOM TEMPERATURE MUST NOT EXCEED 80 DEGREES FEHRENHEIT DURING CONFERENCING TO PREVENT AUTOMATIC SHUTDOWN OF SOME ESSENTIAL EQUIPMENT.					
4	RATING ESTIMATES FOR EQUIPMENT OTHER THAN AUDIO AMPLIFIERS ARE BASED ON THE AV COMPONENTS' PUBLISHED MAXIMUM POWER CONSUMPTION ("PHASE VALUE") AND THE FOLLOWING FORMULA: WATTS X 3.41/75%.					
5	RATING ESTIMATES FOR AUDIO AMPLIFIERS ARE BASED ON THE AV COMPONENTS' PUBLISHED BTU/HR AT 1/8TH POWER.					
6	IN THE CASE WHERE AUDIOVISUAL EQUIPMENT CABINETS ARE LOCATED IN CLOSETS, CABINETS, OR FURNITURE. ADEQUATE VENTILATION MUST BE PROVIDED TO ALLOW FRESH AIR EXCHANGE WITHIN THE ENCLOSURE.					
			<u>POWER LOAD ESTIMATE (W)</u>		<u>HEAT LOAD ESTIMATE (BTU/HR)</u>	
			ROOM OPEN AIR	ROOM CREDENZA	AV CLOSET	
CONFERENCE ROOM			975	820	-	

AUDIOVISUAL ELECTRICAL NOTES	
1.	ALL EQUIPMENT SHOWN ON AV FACILITY DRAWINGS IS FOR REFERENCE ONLY. SUCH EQUIPMENT WILL BE PROVIDED AND INSTALLED BY THE AV TRADE CONTRACTOR, NOT THE GENERAL CONTRACTOR NOR THE ELECTRICAL CONTRACTOR.
2.	WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, THE SCALE OF THIS DRAWING IS SUFFICIENTLY ACCURATE FOR DETERMINING LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC. ALL FINAL DIMENSIONS AND LOCATIONS MUST BE CONFIRMED AND VERIFIED BY THE ARCHITECT. WHERE EXACT DIMENSIONS ARE CALLED FOR, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT. ROOM DIMENSIONS ON THIS DRAWING HAVE BEEN TAKEN FROM PRELIMINARY ARCHITECTURAL DRAWINGS. ALL DIMENSIONS MUST BE VERIFIED AND ANY DEVIATIONS CAUSING CHANGES EXCEEDING 3 INCHES IN THE LOCATION OF GRID PIPES, CYCLORAMA TRACKS, OR OPERATIONAL LIGHTING MUST BE COORDINATED WITH JAROS BAUM AND BOLLES.
3.	ALL POWER CONDUIT, POWER WIREWAYS, AND POWER JUNCTION BOXES ARE TO BE REVIEWED BY THE ELECTRICAL ENGINEER FOR CODE COMPLIANCE. EMPTY CONDUIT RUNS ON THE AUDIOVISUAL ELECTRICAL DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF CONDUIT ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR AND FIELD CONDITIONS.
4.	ALL EMPTY CONDUIT ON THIS DRAWING TO BE ONE (1) INCH UNLESS OTHERWISE NOTED. ALL EMPTY CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.
5.	THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN.
6.	POWER RECEPTACLES SHOWN ON AUDIOVISUAL ELECTRICAL DRAWINGS ARE DEDICATED TO SPECIFIC AUDIOVISUAL EQUIPMENT. THESE RECEPTACLES SHOULD BE COMMON PHASE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL UTILITY POWER RECEPTACLES.
7.	POWER BREAKER PANELS ARE SIZED AND SPECIFIED BY THE ELECTRICAL ENGINEER, REFER TO ELECTRICAL DRAWINGS. ALL AUDIOVISUAL CIRCUITS SHALL BE PROTECTED BY 120VAC, 20 AMP BREAKERS UNLESS OTHERWISE DETAILED.
8.	ALL CABLE TRAY THAT IS SURFACE MOUNTED ON SLAB BELOW RAISED FLOOR SHALL BE SECURELY FASTENED TO SLAB. THESE TRAYS SHALL BE LEFT OPEN AND NOT PROVIDED WITH COVERS.
9.	THE METHOD OF INSTALLATION OF BOXES IN WALLS, AND THE METHOD OF PASSAGE OF CONDUITS AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT.
10.	ELECTRICAL FEEDS ARE NOT TO BE RUN PARALLEL WITH VIDEO AND/OR AUDIO LINES OR RACEWAYS. IF ELECTRICAL FEEDS MUST RUN PARALLEL TO AUDIO/VIDEO LINES, A MINIMUM OF 3 FT. OF SEPARATORS MUST BE MAINTAINED.
11.	ALL CONDUIT FOR LOW-VOLTAGE CABLING ASSOCIATED WITH THE AUDIOVISUAL SYSTEMS SHALL OBSERVE A MINIMUM BEND RADIUS OF TEN (10) TIMES THE CONDUIT DIAMETER.
12.	ALL AUDIOVISUAL CABLE THAT IS RUN "OPEN WIRE" IS TO BE SUPPORTED FROM J-HOOKS OR CABLE TRAY. NO CABLE IS TO BE UNSUPPORTED OR LAID OVER CEILING TILES, BLACK IRON, OR OTHER CEILING MEMBERS. J-HOOKS ARE TO BE FURNISHED AND INSTALLED BY THE AUDIOVISUAL CONTRACTOR AND/OR THEIR ELECTRICAL SUBCONTRACTOR.
13.	ALL TABLES SERVED BY AV STUB-UPS WILL REQUIRE A DUPLEX POWER OUTLET WITHIN THE TABLE LEG STRUCTURE FOR SUPPORTING AV DEVICES. THIS WILL BE IN ADDITION TO THE TERMINATED POWER IN THE TABLETOP HATCHES (BY OTHERS).
14.	THE EQUIPMENT RACKS MUST BE INSULATED FROM ALL OTHER METAL RACEWAYS AND STRUCTURES. ADDITIONALLY, RACKS MUST ALSO BE INSULATED FROM THE CONCRETE FLOOR; THE USE OF ANTI-STATIC VINYL COMPOSITION TILE (VCT) IS HIGHLY RECOMMENDED."
15.	COORDINATE ALL ELECTRICAL DEVICES AND LOCATIONS WITH THE ARCHITECT'S AND ENGINEER'S DRAWINGS.
16.	REFER TO AUDIOVISUAL RISER DIAGRAM FOR TERMINATION LOCATIONS, EXACT QUANTITY OF CONDUIT, SIZE OF EMPTY CONDUIT AND TYPE OF PLENUM RATED CABLE. PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.
17.	IT SHALL BE THE RESPONSIBILITY OF THE AUDIOVISUAL CONTRACTOR TO VERIFY SIGNAL/CONDUIT PATHWAYS AND PLENUM CABLE REQUIREMENTS WITH ELECTRICAL ENGINEER'S DRAWINGS.
18.	REFER TO ARCHITECT DRAWING FOR LIGHTING AND SWITCH LOCATIONS.
19.	ALL CABLE IS TO BE IN CONDUIT IN NON-ACCESSIBLE SPACES. THIS INCLUDES BOTH HORIZONTAL AND VERTICAL RUNS. CABLE IN ACCESSIBLE SPACES, HORIZONTAL RUNS ONLY, TO BE PLENUM-RATED CABLE. TYPICAL OF ALL.
20.	ANY AUDIO VISUAL JUNCTION BOX INSTALLED IN THE WALL SHOULD BE STUBBED-UP IN EMPTY CONDUIT TO ACCESSIBLE CEILING.
21.	THE AUDIO VISUAL CONDUIT REQUIREMENTS ARE SHOWN ON THE AUDIO VISUAL RISER DIAGRAM. THE ELECTRICAL ENGINEER SHALL LOCATE THE REQUIRED CONDUIT PATHWAYS.
22.	PULL CORD OR ROPE: TWISTED OR BRAIDED NYLON CORDAGE, 1/4 INCH DIAMETER FOR UP-TO TWO-INCH EMPTY CONDUIT, WITH A MINIMUM TENSILE STRENGTH OF 1000 POUNDS. PULL CORD SHALL BE COMBINATION FOOTAGE MEASURING TAPE AND PULL LINE. CABLE LUBE OR MECHANICAL PULLER SHALL NOT BE USED ON THE PULL CORD OR WIRE

Project Title

NYU Langone

MEDICAL CENTER

AUDIOVISUAL MSB FIRST FLOOR MURPHY CONFERENCE ROOM COVER SHEET, GENERAL CONDITIONS

Renovations: MEP Infrastructure

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Key Plan

3.	ISSUE FOR AV BID	01.20.2017
2.	AS/ #22-R1	01.20.2017
1.	CONSTRUCTION DOCUMENTS	04.21.2014
No.	Revision	Date

Date	Project Number
01.20.2017	14521.S
Scale	
NTS	

Sheet Title

AUDIOVISUAL MSB FIRST FLOOR MURPHY CONFERENCE ROOM COVER SHEET, GENERAL CONDITIONS

Sheet No.

AV-001.00

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NYC DOB Number