GENERAL AV SYSTEM NOTES

1. THIS FACILITY IS AN EXISTING STRUCTURE BEING RENOVATED AND ADDED ON TO. VERIFY LOCATIONS AND TYPES OF ALL CONDUIT AND BOXES PRIOR TO STARTING WORK.
2. COORDINATE ALL WORK WITH ELECTRICAL PLANS.
3. ALL DIMENSIONAL NOTES ARE EXPRESSED BY H (HEIGHT), W (WIDTH), AND D (DEPTH), IN INCHES.

NOTATIONAL SYMBOLS

X — REVISION NUMBER, UPWARD TRIANGLE. REFER TO REVISION LIST ON SHEET WHERE REFERENCE OCCURS FOR REVISION DATE.

X — SPECIFIC SHEET NOTE, DOWNWARD TRIANGLE. REFER TO SHEET NOTE LIST.

ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANEL.
ACT	ACOUSTICAL CEILING TILE.
AFC	ABOVE FINISHED CEILING. INDICATES DIMENSION ABOVE CEILING PANEL.
AFF	ABOVE FINISHED FLOOR. INDICATES DIMENSION ABOVE FLOOR SURFACE.
AP	ACCESS POINT.
BP	BLANK PANEL.
C	CONDUIT, DIAMETER EXPRESSED IN INCHES.
CP	CONTROL PANEL.
FP	FLAT PANEL.
HAS	HEARING ASSISTANCE SYSTEM.
MCP	METAL CEILING PANEL.
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED.
RF	RADIO FREQUENCY.
TC	TERMINATION CABINET.
TELCO	TELEPHONE UTILITY COMPANY.
TP	TOUCHPANEL.
VP	VENT PANEL.

ONE-LINE DIAGRAM WIRE LEGEND

XXX — WIRES FOR AUDIO, VIDEO, OR RADIO FREQUENCY SIGNALS OVER COPPER CABLING. CABLE OR SIGNAL TYPE AS INDICATED BY "XXX".

XXX — WIRES FOR NETWORK OR CONTROL SIGNALS OVER COPPER CABLING. CABLE OR SIGNAL TYPE AS INDICATED BY "XXX".

GENERAL AV CONDUIT NOTES

1. ALL CONDUIT INFRASTRUCTURE SHOWN ON THE EY DRAWINGS IS TO BE PART OF THE BASE BID.
2. THIS FACILITY IS AN EXISTING STRUCTURE BEING RENOVATED AND ADDED ON TO. VERIFY LOCATIONS AND TYPES OF ALL CONDUIT AND BOXES PRIOR TO STARTING WORK.
3. COORDINATE ALL WORK WITH ELECTRICAL DRAWINGS.
4. ALL DIMENSIONAL NOTES ARE EXPRESSED BY H (HEIGHT), W (WIDTH), AND D (DEPTH), IN INCHES.

AV PLANS EQUIPMENT LEGEND

GENERAL:
1. MOUNTING HEIGHTS SHOWN ARE TO THE BOTTOM EDGE OF THE EQUIPMENT.

SYMBOL	DESCRIPTION
LS CCT XXX — IDENTIFIER.	LOUDSPEAKER CIRCUIT, OR PORTION THEREOF, WITH CIRCUIT IDENTIFIER SHOWN. SEE ONE-LINE DIAGRAM FOR CONNECTION DETAILS.
	SURFACE MOUNTED LOUDSPEAKER, SUSPENDED FROM STRUCTURE IN LOCATION SHOWN.
	HANGING MICROPHONE, SUSPENDED FROM CEILING.

CONDUIT BOXES/ENCLOSURES LEGEND

GENERAL:
1. WHERE NEW WALL BOXES ARE INDICATED, AV CONTRACTOR SHALL INSTALL WALL BOX DESIGNED FOR EXISTING CONDITIONS WITH CABLE KNOCKOUTS AS REQUIRED.
2. MOUNT WALL BOXES 18 INCHES ABOVE FINISHED FLOOR TO MATCH WALL MOUNTED ELECTRICAL BOXES UNLESS OTHERWISE NOTED.
3. BOXES INDICATED ON DRAWINGS AT 48 INCHES ABOVE FINISHED FLOOR SHALL BE MOUNTED TO MATCH ELECTRICAL SWITCH OR CONTROL PLATES.
4. PRIMARY FUNCTION IS INDICATED FOR EACH BOX; ANY BOX MAY HAVE MULTIPLE SUB-FUNCTIONS.
5. MOUNTING HEIGHTS GIVEN ARE TO CENTER OF THE BOX.

SYMBOL	DESCRIPTION
"XXX" — IDENTIFIER. FUNCTION. XG — NUMBER OF GANGS. XX" AFF. — MOUNTING HEIGHT.	STANDARD GANG WALL BOX, MINIMUM 2-1/8" INCHES DEEP, FLUSH MOUNTED UNLESS OTHERWISE NOTED. FOR SINGLE/DOUBLE GANG, INSTALL 4-INCH SQUARE BOX WITH APPROPRIATE DEVICE COVER TO PROVIDE REQUIRED OPENINGS AND WITH DEPTH TO MATCH WALL FINISH THICKNESS.
"XXX" — IDENTIFIER. FUNCTION. XX" AFF. — MOUNTING HEIGHT. X" x X" x X" — SIZE.	WALL BOX, 12" H x 12" W x 4" D, OR SIZE AND TYPE AS INDICATED ON THE DRAWINGS, FLUSH MOUNTED.
"XXX" — IDENTIFIER.	MULTI-FUNCTION FLOORBOX WITH POWER, LIGHTING, AND AV CONNECTIONS. REFER TO TH DRAWINGS FOR DETAILS.
"XXX" — IDENTIFIER. FUNCTION.	4" SQUARE CEILING BOX, SURFACE MOUNTED UNLESS OTHERWISE INDICATED.
"XXX" — IDENTIFIER. FUNCTION.	8" X 8" X 4" CEILING BOX, OR SIZE AND TYPE AS INDICATED ON THE DRAWINGS. INSTALL ABOVE ACCESSIBLE PORTION OF CEILING OR EXPOSED AS APPROVED BY THE ARCHITECT.
	CONDUIT BODY. PROVIDE BLANK COVER WITH CABLE PASS THROUGH GROMMET AS NEEDED.

FUNCTIONS	
A	ANTENNA CONNECTION.
AV	AUDIO-VISUAL CONNECTION.
CP	CONTROL PANEL CONNECTION.
FP	FLAT PANEL CONNECTION.
IC	INTERCOM CONNECTION.
J	JUNCTION BOX.
M	MICROPHONE CONNECTION.
N	NETWORK CONNECTION.
PB	PULL BOX.
TP	TOUCHPANEL CONNECTION.
V	VOLUME CONTROL CONNECTION.

CONDUIT LEGEND

GENERAL:
1. CONDUIT SHALL BE MINIMUM 0.75-INCH DIAMETER. MEASURED PULL STRING SHALL BE FURNISHED, INSTALLED, AND SECURED IN ALL CONDUIT RACEWAYS.
2. CONDUIT FOR MICROPHONE LEVEL CIRCUITS SHALL BE CONSTRUCTED OF FERROUS METAL (EMT OR RIGID).
3. CONDUIT SHALL NOT EXCEED 100 LINEAR FEET OR THE EQUIVALENT OF THREE 90 DEGREE BENDS BETWEEN JUNCTION BOXES.
4. CONTRACTOR INSTALLING CONDUIT SYSTEM SHALL FURNISH AND INSTALL BLANK COVERS ON ALL BOXES INSTALLED BUT NOT USED FOR SYSTEM CONNECTIONS.
5. CONDUIT ROUTING AND LOCATION OF CONNECTION BOXES SHALL BE PER ELECTRICAL SPECIFICATIONS.
6. SYSTEM AC POWER CIRCUITS SHALL BE TWO WIRE (EACH WITH ITS OWN NEUTRAL CONDUCTOR) AND SHALL BE ROUTED TO EQUIPMENT RACKS AS REQUIRED.

SYMBOL	DESCRIPTION
CONDUIT SIZE. — XX" C. (X). — CONDUIT FUNCTION.	EXPOSED CONDUIT.
CONDUIT SIZE. — XX" C. (X). — CONDUIT FUNCTION.	CONDUIT CONCEALED IN WALL, CEILING, OR FLOOR.
	CABLE CONCEALED IN WALL, CEILING, OR FLOOR. USE PLENUM-RATED CABLING WHERE INSTALLED IN RETURN-AIR PLENUMS.
	CONDUIT STUBBED OUT ABOVE ACCESSIBLE PORTION OF CEILING. TERMINATE CONDUIT WITH INSULATED BUSHING. WHERE STUB PENETRATES A NOISE CONTROL WALL OR PLENUM BARRIER, ELECTRICAL CONTRACTOR SHALL SEAL AROUND CONDUIT AT PENETRATION AND SYSTEMS CONTRACTOR SHALL SEAL OPEN END OF CONDUIT WITH DUX SEAL OR EQUIVALENT COMPLIANT SEALANT AFTER INSTALLATION OF CABLE.
	CONDUIT STUBBED OUT ABOVE CABLE TRAY IN ACCESS FLOOR. TERMINATE CONDUIT WITH INSULATED BUSHING. WHERE STUB PENETRATES A NOISE CONTROL WALL OR PLENUM BARRIER, ELECTRICAL CONTRACTOR SHALL SEAL AROUND CONDUIT AT PENETRATION AND SYSTEMS CONTRACTOR SHALL SEAL OPEN END OF CONDUIT WITH DUX SEAL OR EQUIVALENT COMPLIANT SEALANT AFTER INSTALLATION OF CABLE.
	CONDUIT LANDED TO EQUIPMENT RACK. INSULATE EQUIPMENT RACK FROM METALLIC CONDUIT USING A PLASTIC BUSHING OR CONNECTOR.

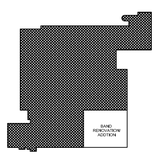
FUNCTIONS	
A	ANTENNA CIRCUIT.
AV	AUDIO-VISUAL CIRCUIT.
IC	INTERCOM CIRCUIT.
L	LINE CIRCUIT.
N	NETWORK CIRCUIT.
M	MICROPHONE CIRCUIT.
R	CONTROL CIRCUIT.

ONE-LINE DIAGRAM SYMBOL LEGEND

DA	DISTRIBUTION AMPLIFIER.
STM	STEREO-TO-MONO AUDIO COMBINER.
EQ	AUDIO EQUALIZER.
V P	LOUDSPEAKER VOLUME CONTROL (P=PRIORITY OVERRIDE RELAY)
8W X	LOUDSPEAKER EACH WITH LOUDSPEAKER LINE MATCHING TRANSFORMER IF SHOWN. WITH CONNECTIONS AS NOTED. REFER TO PLANS FOR QUANTITIES. NOMINAL LOUDSPEAKER SIZE (X) INDICATED WITHIN SYMBOL. WHERE MULTIPLE POWER TAP VALUES ARE SHOWN FOR LINE MATCHING TRANSFORMERS IN A GIVEN LOUDSPEAKER CIRCUIT, REFER TO PLANS FOR SPECIFIC LOCATIONS.
PWR	POWER AMPLIFIER, TYPE AND DETAILS AS INDICATED ON THE DRAWINGS.
	SCREW TERMINAL ON BARRIER STRIP. INSTALLED IN TERMINATION CABINETS UNLESS NOTED OTHERWISE.
	LOOSE CABLE, LENGTH AS INDICATED.
	FEMALE XLR RECEPTACLE OR CABLE CONNECTOR; 3 PINS UNLESS SUBSCRIPT INDICATES OTHERWISE.
	MALE XLR RECEPTACLE OR CABLE CONNECTOR; 3 PINS UNLESS SUBSCRIPT INDICATES OTHERWISE.
	MULTIPIN CONNECTOR.
1/8"	PHONE JACK, SIZE AS INDICATED ON THE DRAWINGS.
1/4"	PHONE PLUG, SIZE AS INDICATED ON THE DRAWINGS.
	RCA PHONO JACK.
	RCA PHONO PLUG.
	BNC JACK.
	BNC PLUG.
	FEMALE HD-15 CONNECTOR.
	FEMALE HDMI CONNECTOR.
	MALE HD-15 CONNECTOR.
	MALE HDMI CONNECTOR.
	FEMALE SPEAKON CONNECTOR.
	MALE SPEAKON CONNECTOR.
	FEMALE RJ45 CONNECTOR.
	MALE RJ45 CONNECTOR.
	FEMALE ETHERCON CONNECTOR.
	MALE ETHERCON CONNECTOR.
	FEMALE USB CONNECTOR.
	MALE USB CONNECTOR.
	FIBER OPTIC PATCH PANEL CONNECTION.
	RJ45 PATCH PANEL CONNECTION.
	AC POWER CORD.
	ANTENNA.
	CONTINUATION OF EQUIPMENT OR LOUDSPEAKER CIRCUITS. REFER TO DRAWINGS FOR QUANTITIES.
X X	CONNECTION DESIGNATOR. CIRCUIT CONTINUED ON DIFFERENT SHEET OR AT OTHER DIAGRAM LOCATION. SHEET NUMBER WHERE CIRCUIT IS CONTINUED.
"LABELS"	SLANTED TEXT IN QUOTES INDICATES EQUIPMENT LABELS.

SHEET KEYNOTE LEGEND

KEY PLAN



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AV000

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AV GENERAL NOTES

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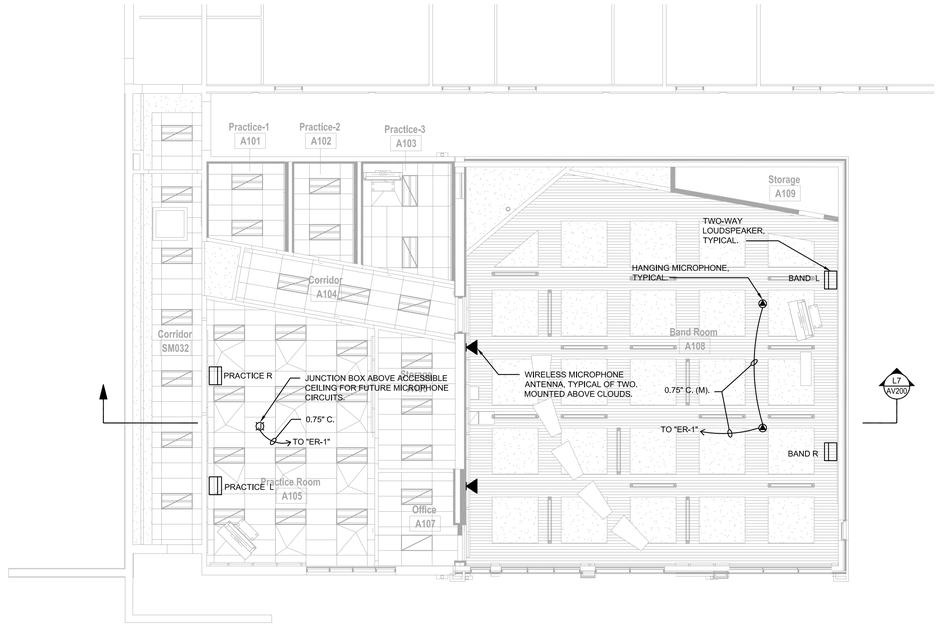
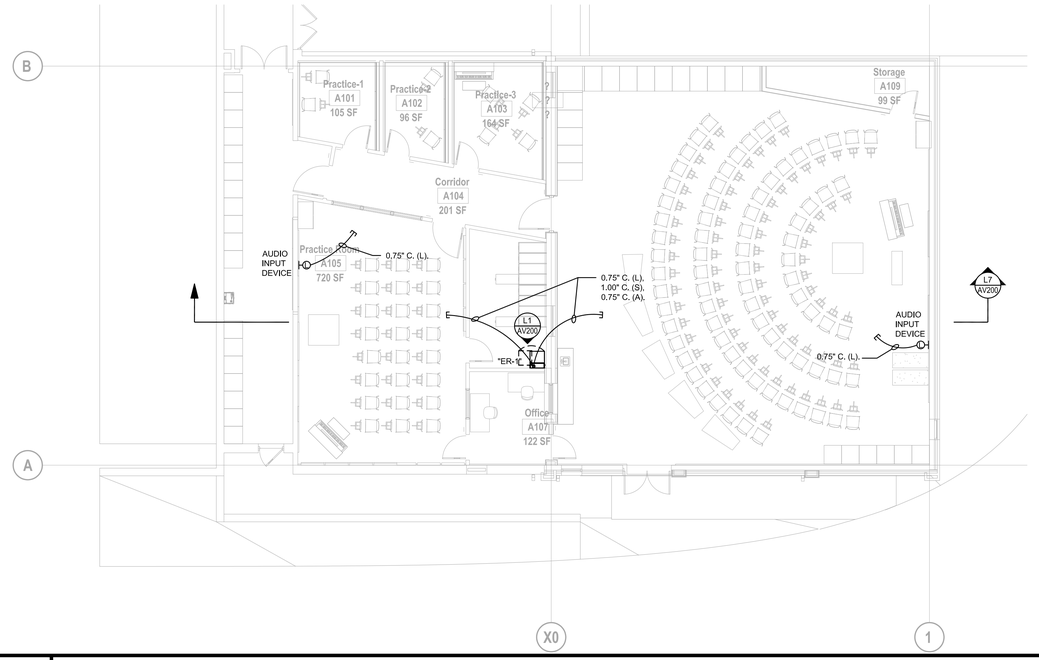


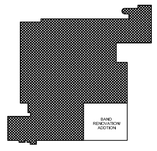
H7	Scale 1/8" = 1'-0"	AV REFLECTED CEILING PLAN



A7	Scale 1/8" = 1'-0"	AV FLOORPLAN

SHEET KEYNOTE LEGEND

KEY PLAN



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AV FLOOR PLAN & REFLECTED CEILING PLANS

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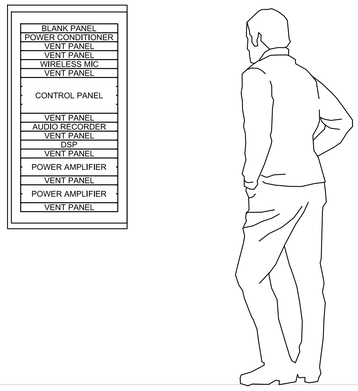
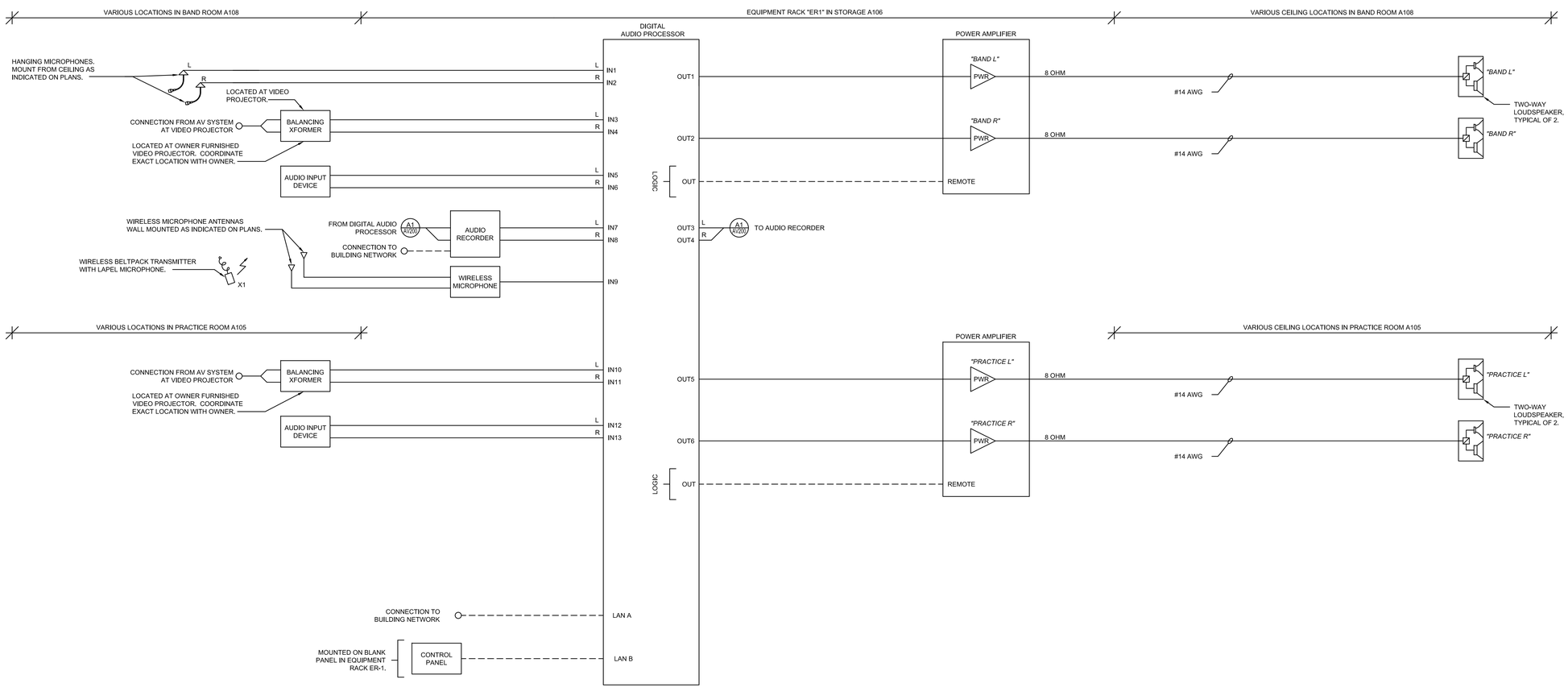


L1	Scale	EQUIPMENT RACK "ER-1" ELEVATION
	1" = 1'-0"	

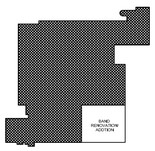
L7	Scale	BAND ROOM AV SECTION
	1/8" = 1'-0"	



A7	Scale	AV ONE-LINE DIAGRAM
	NO SCALE	

SHEET KEYNOTE LEGEND

KEY PLAN



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AV SECTION AND DETAILS

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