

AV EQUIPMENT SPEAKER INTEGRATION

- INVISIBLE SPEAKERS, ACS SHALL PROVIDE AND INSTALL A PLACE SAVER FOR EACH LOCATION DENOTED IN THIS WIRING PLAN. AFTER SHEETROCK IS COMPLETE, PLACE SAVERS ARE TO BE REMOVED AND SPEAKER/BACKBOX WILL BE INSTALLED AND SHIMMED. **ALL LOCATIONS TO BE COORDINATED WITH FINAL REFLECTED CEILING PLAN**
- THEATER, EQUIPMENT FINAL LOCATIONS TO BE REVIEWED AND APPROVED BY PETER MARINO ARCHITECT, PLLC (PMA) & ACOUSTICAL CONSULTANT, PRIOR TO CLOSING WALLS

HVAC SYSTEM INTEGRATION

- I-GRACE (IGC) TO CONFIRM WITH HVAC CONTRACTOR, THE EQUIPMENT COMPATIBILITY WITH CRESTRON THERMOSTATS, AS DESIGNED BY ACS
- HVAC SHOWN FOR LOW VOLTAGE WIRING DIAGRAM PURPOSES ONLY. ELECTRICAL CONTRACTOR TO REFER TO HVAC DRAWINGS (BY OTHERS) FOR FINAL LOCATIONS OF ALL THERMOSTATS AND SENSORS

AUDIO VISUAL DESCRIPTION			
SYMBOL	WIRE PULL DESCRIPTION	BUNDLE INFORMATION	DESCRIPTION
LS1	TV1 + (2)CAT6 SHIELDED	(2)CAT6 + (1)RG6	RG-6 SHIELDED COAX (SATELLITE & RF)
LS1F	TV1 + (2)CAT6 SHIELDED + MMF	(2)CAT6 + (1)RG6 + (2)CAT6 SHLD + MMF	RG-59U SHIELDED COAX (VIDEO)
VID1	TV1	(2)CAT6 + (1)RG6	14/4 (4) CONDUCTOR 14 AWG (SPEAKER)
VID2	TV1 + (2)CAT6 SHIELDED	(2)CAT6 + (1)RG6 + (2)CAT6 SHIELDED	12/2 (2) CONDUCTOR 12 AWG (SPEAKER)
VID3	(2)CAT6 + (2) HDMI	(2)CAT6 + (2) HDMI	18/2 (2) CONDUCTOR 18 AWG (POWER)
SPK1	14/4	14/4	CONTROL (4) CONDUCTOR (2) 18 AWG (2) 22 AWG SHIELDED (CONTROL)
SPK2	(1)14/4 + (1) CAT6	(1)14/4 + (1) CAT6	CAT6 (4) UNSHIELDED TWISTED PAIR (CONTROL/DATA)
SPK3	(1)14/4 + (2)LLA	(1)14/4 + (2)22/2	CAT6 STP (4) SHIELDED TWISTED PAIR (CONTROL/DATA)
CP	(2)CAT6	(2)CAT6	LLA (2) CONDUCTOR SHIELDED (LINE LEVEL AUDIO)
CPS	(2)CAT6 SHIELDED	(2)CAT6 SHIELDED	MMF (6) 50 μ OM4 MULTIMODE FIBER
CAM	CCTV	(1) RG59 + (1)18/2 + (1)CAT6	HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE (HDMI) HIGH SPEED WITH ETHERNET

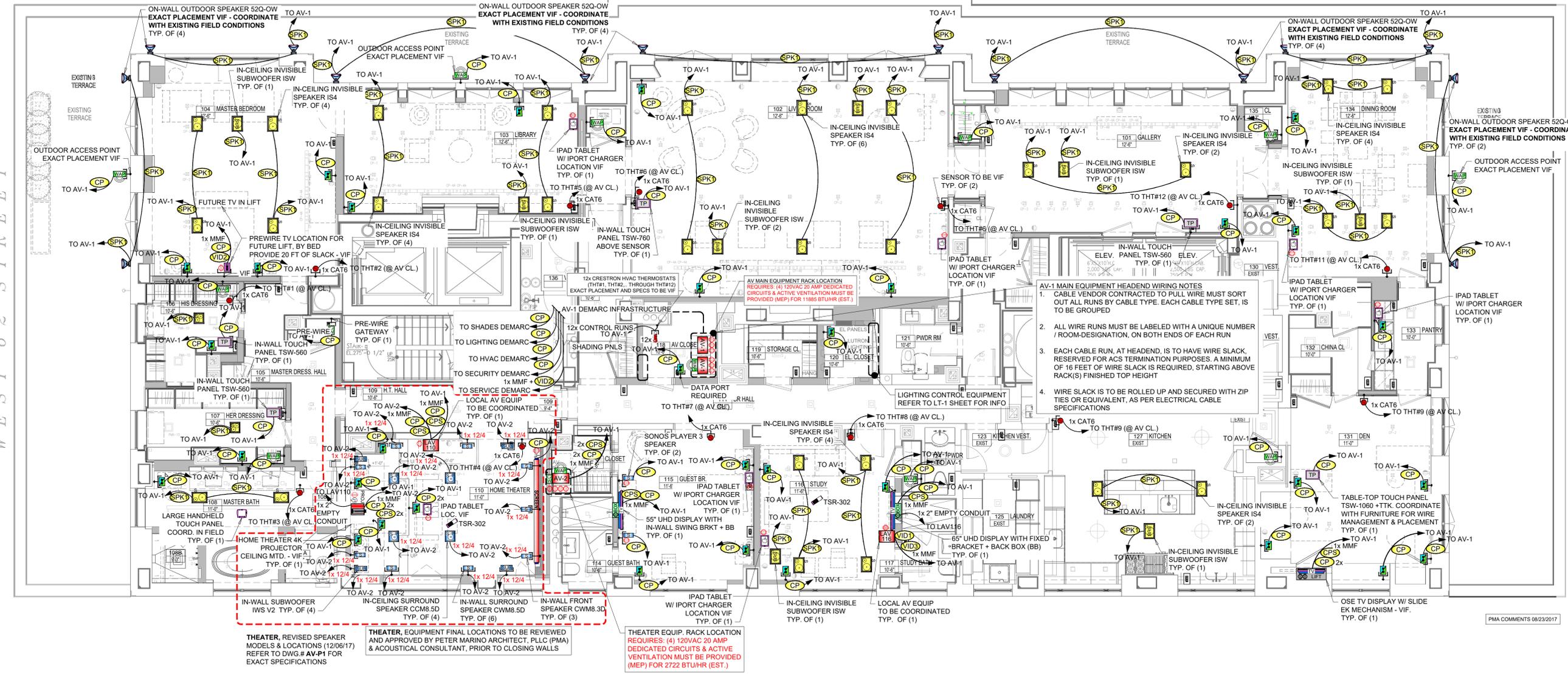
AUDIO VISUAL SYSTEM LEGEND			
EQUIP. SYMBOL	EQUIPMENT DESCRIPTION	EQUIP. SYMBOL	EQUIPMENT DESCRIPTION
[Symbol]	DEDICATED ELECTRICAL DUPLEX CLOCK OUTLET	[Symbol]	SPEAKER - OUTDOOR
[Symbol]	DEDICATED ELECTRICAL DUPLEX OUTLET	[Symbol]	SPEAKER - FREE STANDING
[Symbol]	DEDICATED ELECTRICAL QUAD OUTLET	[Symbol]	SUBWOOFER - FREE STANDING
[Symbol]	AV JUNCTION BOX (GANG NUMBER AS NOTED)	[Symbol]	SPEAKER - HORIZONTAL
[Symbol]	AUDIOVISUAL SYSTEM MAIN HEAD END LOCATION (POWER AND AIR CONDITIONING REQUIRED)	[Symbol]	INVISIBLE SPEAKER - CEILING
[Symbol]	AUDIOVISUAL SYSTEM LOCAL EQUIPMENT LOCATION (POWER AND AIR CONDITIONING REQUIRED)	[Symbol]	INVISIBLE SUBWOOFER - CEILING
[Symbol]	TV LOCATION	[Symbol]	SPEAKER (INVISIBLE) - IN WALL
[Symbol]	PROJECTOR SCREEN	[Symbol]	SUBWOOFER (INVISIBLE) - IN WALL
[Symbol]	PROJECTOR LOCATION	[Symbol]	KEYPAD - LIGHTING / SHADING / AUDIO
[Symbol]	PROJECTOR LOCATION (WITH LIFT MECHANISM)	[Symbol]	LIGHTING SMART DIMMER CONTROL
[Symbol]	SPEAKER (ROUND) - CEILING	[Symbol]	TOUCH PANEL - WALL
[Symbol]	SPEAKER (SQUARE) - CEILING	[Symbol]	LARGE TOUCH PANEL - WIRELESS
[Symbol]	SPEAKER (RECTANGLE) - CEILING	[Symbol]	SMALL TOUCH PANEL - WIRELESS
[Symbol]	SPEAKER (STEREO ROUND) - CEILING	[Symbol]	IPOD LOCATION
[Symbol]	SPEAKER (STEREO SQUARE) - CEILING	[Symbol]	IPAD LOCATION
[Symbol]	SPEAKER LOCATION	[Symbol]	MICROPHONE
[Symbol]	SUBWOOFER LOCATION	[Symbol]	TELEPHONE PORT
[Symbol]		[Symbol]	DATA PORT
[Symbol]		[Symbol]	TELEPHONE/DATA PORT
[Symbol]		[Symbol]	MEDIA PORT
[Symbol]		[Symbol]	AUXILIARY PORT

AUDIO VISUAL GENERAL NOTES			
<p>ALL DRAWINGS AND DOCUMENTATION DESIGN MUST BE REVIEWED AND APPROVED BY THE ELECTRICAL ENGINEER (P.E.)</p> <p>THESE DRAWINGS ARE FOR AV WIRING PURPOSES ONLY. REFER TO ARCHITECTS PLANS FOR EXACT LOCATIONS AND QUANTITIES</p> <p>120V AC OUTLETS ARE SHOWN FOR AV PURPOSES ONLY. REFER TO ARCHITECTS DRAWING FOR ALL OTHERS HOUSE AND CONVENIENCE RECEPTACLES</p> <p>ALL AUDIO VIDEO EQUIPMENT TO BE CIRCUITED ON SAME PHASE AND DEDICATED TO AV</p> <p>BOTH ENDS OF CABLE TO BE LABELED IN THE FIELD</p> <p>LINE VOLTAGE AND LOW VOLTAGE MAY RUN IN SAME AREA PROVIDED THEY ARE SEPARATED BY AT LEAST 12" AND WHERE NECESSARY, CROSSOVER AT 90 DEGREES</p> <p>ALL COAXIAL AND CAT6 CABLE MUST NOT BE KINKED OR COMPRESSED</p> <p>BEND RADIUS FOR COAXIAL AND CAT6 CABLE MUST BE 20 TIMES THE O.D. OF THE CABLE OR GREATER</p> <p>ALL SPEAKER CABLE SHALL BE 14AWG (4) CONDUCTOR, UNLESS OTHERWISE NOTED</p> <p>LEAVE 6" OF CABLE SLACK AT RECEPTACLE LOCATIONS, 4" OF CABLE SLACK AT ALL SPEAKER LOCATIONS, 16" OF CABLE SLACK AT ALL HEADING RACK LOCATIONS - PLATED AT 5" O.F.F. AND 8" CABLE SLACK AT ALL LAV LOCATIONS - PLATED ON CENTER</p> <p>AUDIO COMMAND SYSTEMS IS RESPONSIBLE FOR TONING OUT WIRE ELECTRICAL CONTRACTOR TO REPLACE DAMAGED WIRE PRIOR TO "TRIM OUT PHASE"</p> <p>ALL BASE BUILDING ELECTRICAL DEVICES TO BE INSTALLED BY ELECTRICAL CONTRACTOR</p> <p>ALL ELECTRICAL BOXES TO BE 3-1/2" DEEP, 22 SQ. N. PER GANG</p> <p>ALL BACK BOXES FOR SPEAKERS, TV DISPLAYS, TOUCHPANELS TO BE PROVIDED BY ACS AND MOUNTED BY G.C. OR E.C.</p> <p>G.C. TO PROVIDE 3/4" PLYWOOD BLOCKING FOR ALL WALL MOUNTED PLASMA AND LCD DISPLAYS</p> <p>ALL AV EQUIPMENT IN ENCLOSED CABINETS MUST BE PROPERLY VENTILATED</p>		<p>(FOR ALL DRAWINGS)</p> <p>G.C.E.C. TO PROVIDE WIRE TO ALL ACS LOCATIONS FOR AV, LIGHTING, AND SHADES AS PER ACS DOCUMENTATION</p> <p>G.C.E.C. TO PROVIDE POWER AS NOTED ON ALL ACS DOCUMENTATION AND/OR MANUFACTURER SUPPLIED INSTALLATION MANUALS FOR ALL ACS SUPPLIED EQUIPMENT</p> <p>G.C. TO PROVIDE SCAFFOLDING AND/OR LIFT MECHANISM FOR INSTALLATION OF SHADES AND ANY HIGH CEILING SPEAKERS</p> <p>G.C. TO PROVIDE A TIMELY ANNOUNCEMENT OF DEADLINES AND SCHEDULES</p> <p>G.C.E.C. IS TO REVIEW ALL DOCUMENTATION WITH ACS PRIOR TO COMMENCEMENT OF WORK</p>	
<p>TYPICAL MOUNTING HEIGHTS (VERIFY IN FIELD)</p> <p>REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT</p>			
<p>AVERAGE HEIGHT 8' 0"</p> <p>8' 0" A.F.F. WAP WALL LOCATIONS</p> <p>8' 0" A.F.F. TOUCHPANEL</p> <p>8' 0" A.F.F. THERMOSTAT / SENSOR</p> <p>8' 0" A.F.F. KEYPAD, LIGHTING CONTROLS</p> <p>12'-18" A.F.F. RECEPTACLE JACKS</p> <p>BASELINE RECEPTACLE JACKS</p>			



- IMPORTANT NOTES**
- GENERAL CONTRACTOR TO COORDINATE & REFERENCE ARCHITECTURAL DRAWINGS FOR FINAL PLACEMENT OF ALL DEVICES
 - AV MAIN EQUIPMENT HEADEND (AV-1) EXACT PLACEMENT TO BE DETERMINED - VIF
 - ELECTRICAL CONTRACTOR TO PULL ALL CABLING
 - CABLING RATING (PLENUM/NON-PLENUM WIRE) TO BE CONFIRMED
 - ALL CABLING TO BE SUPPLIED BY ACS

CENTRAL PARK WEST



BACKGROUND DATE: 00/00/00
 LT RCP/FLOOR PLAN: 00/00/00

FOR PRELIMINARY REVIEW ONLY
 LUTRON PROGRAM DATE N.A.

NO.	DATE	DESCRIPTION	D.B.	C.B.
01.	00/00/00	ISSUED FOR REVIEW	WR	EB

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Start Date: 00/00/0000 Scale: NTS AV JOB #: 17-0651

SMITH RESIDENCE
 123 MAIN STREET
 TOWN, ST 12345

Drawing Title: AV WIRING PLAN

Drawing No.