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Valhalla Center

CONFERENCING SYSTEM

DOUG HALL

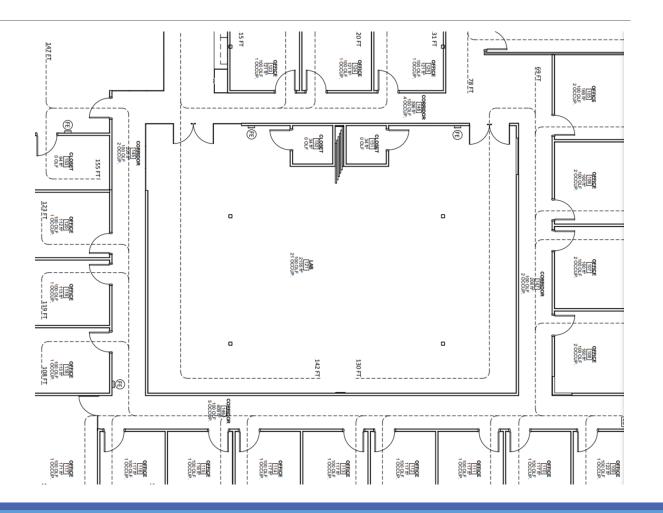
OCTOBER 1, 2023



Project Notes

Contact info

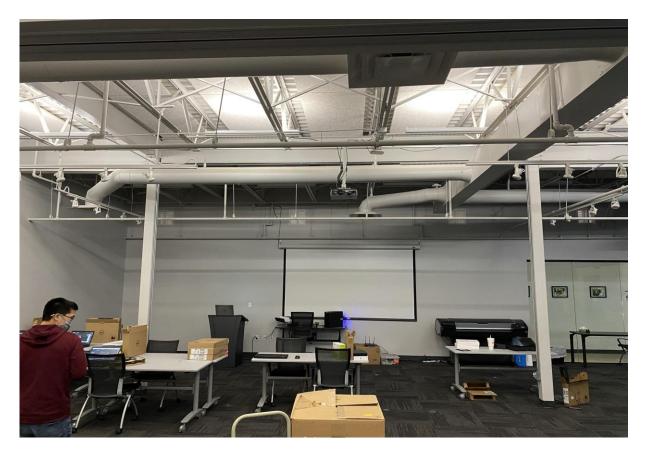
- Asgard Odin
- Facility Manager
- Valhala Center Inc
- 214.421.1421
- asgard@valhalacenter.com





Scope of Work

- 56' x 40' room that can be divided into two halves via partition.
- □ 15' high ceiling with 12' of usable space below structure.
- Beyond any DSP connectivity, additional jacks, connectors, cabling, install hardware, etc. will be the responsibility of the dealer.



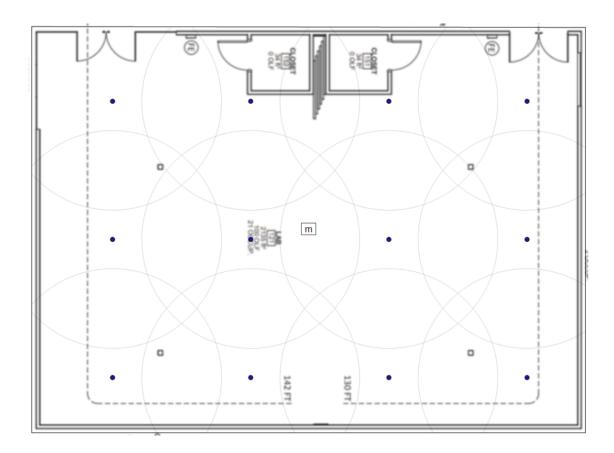
PARTS NEEDED FOR THIS QUOTE/INSTALLATION:



- Pendant speakers have been discussed. These speakers need to set up in four zones with individual volume control for each of the four zones (two zones in each half).
- □ 8 wireless table mics, wireless hand held and lavalier.
- □ DSP to manage the audio sources, feed the two zones and one or two other recording or streaming devices.
- □ Projectors (qty. 2) that require 4500 lumens. They will have the ability to dim the row of lights nearest the screens.
- □ Customer will provide for basic video switching, streaming, and recording. We need to be able to feed it via 1/8" analog audio (program feed).
- □ They want two cameras and camera controller for streaming. PTZ cameras which provide performance and price.



Speaker Placement



Sound Sources

Nr.	Mounting	Туре	X [ft]	Y [ft]	Z [ft]	Hor [°]	Ver [°]	Tap Settings
1	Ceiling	PM4FA	7.95	32.64	10.00	0.0	-90.0	16W (70V)
2	Ceiling	PM4FA	21.55	32.64	10.00	0.0	-90.0	16W (70V)
3	Ceiling	PM4FA	35.15	32.64	10.00	0.0	-90.0	16W (70V)
4	Ceiling	PM4FA	48.75	32.64	10.00	0.0	-90.0	16W (70V)
5	Ceiling	PM4FA	7.95	19.04	10.00	0.0	-90.0	16W (70V)
6	Ceiling	PM4FA	21.55	19.04	10.00	0.0	-90.0	16W (70V)
7	Ceiling	PM4FA	35.15	19.04	10.00	0.0	-90.0	16W (70V)
8	Ceiling	PM4FA	48.75	19.04	10.00	0.0	-90.0	16W (70V)
9	Ceiling	PM4FA	7.95	5.44	10.00	0.0	-90.0	16W (70V)
10	Ceiling	PM4FA	21.55	5.44	10.00	0.0	-90.0	16W (70V)
11	Ceiling	PM4FA	35.15	5.44	10.00	0.0	-90.0	16W (70V)
12	Ceiling	PM4FA	48.75	5.44	10.00	0.0	-90.0	16W (70V)

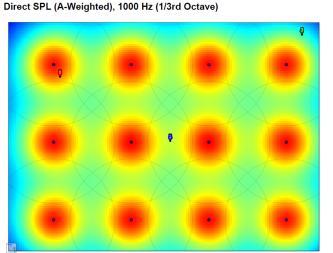


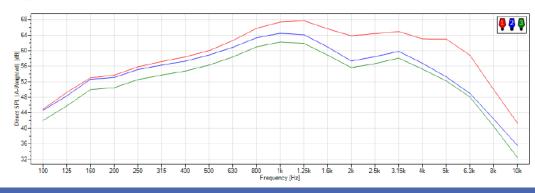
Estimated System Performance

Mapping and Distribution

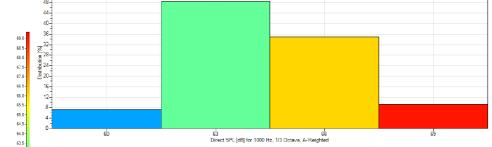
Reverberation Time

Frequency Band [Hz]	Reverberation Time (Eyring)
100	0.73 s
125	0.72 s
160	0.61 s
200	0.53 s
250	0.46 s
315	0.34 s
400	0.26 s
500	0.21 s
630	0.19 s
800	0.18 s
1000	0.17 s
1250	0.18 s
1600	0.18 s
2000	0.19 s
2500	0.20 s
3150	0.20 s
4000	0.21 s
5000	0.20 s
6300	0.19 s
8000	0.19 s
10000	0.17 s





62.5



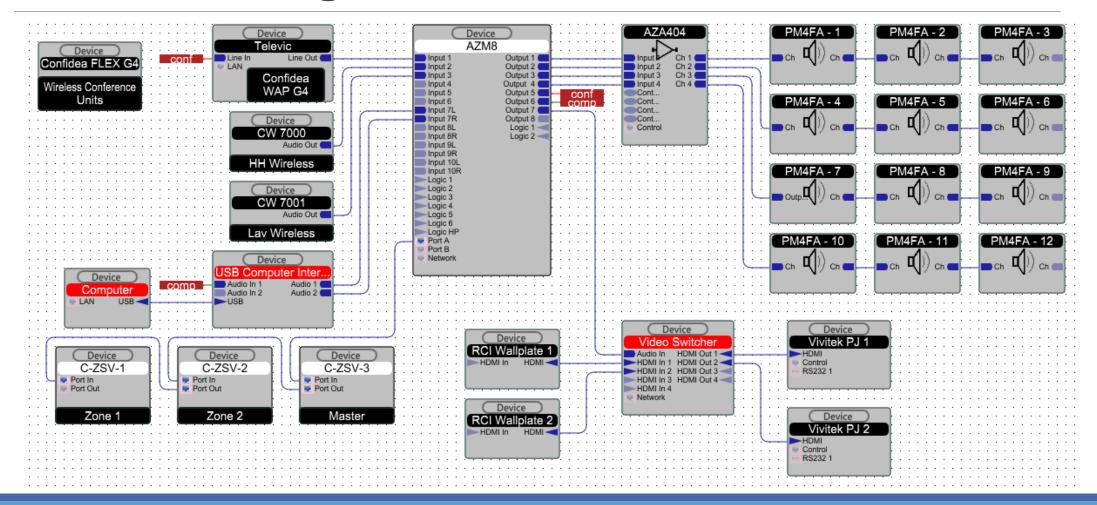
Average:	64.5 dB ±2.0 dB
Average + Std. Dev.:	66.5 dB
Average - Std. Dev.:	62.5 dB
Max. Value:	69.3 dB
Min. Value:	57.5 dB
Data Points:	16805

Area Covered:	Direct SPL(A)	Average
95%	≥61.1 dB	64.7 dB
90%	≥61.9 dB	64.9 dB
85%	≥62.6 dB	65.1 dB
80%	≥63.2 dB	65.2 dB

Frequency response is based on three data collection points using a real time analyzer.



AV Riser Diagram





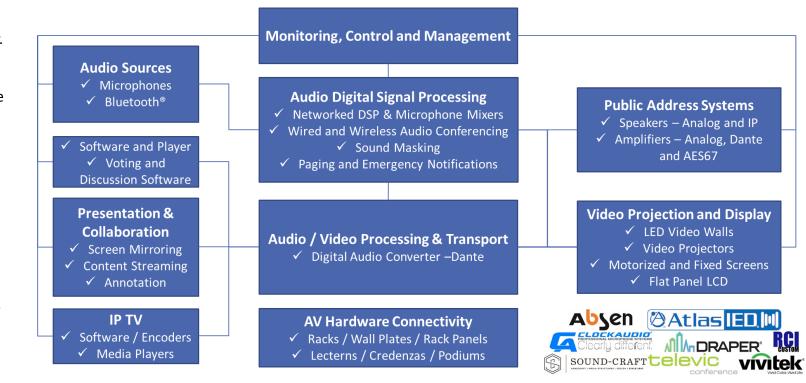
Proposed System BOM

Project Name Valhalla Multipurpose Room			se	Room		
System Type PA and Conferencing			Г Э			
QUANTITY BRAND	MODEL MSRP		ΕX	TENSION	DESCRIPTION	
1 AtlasIED	AZM8	\$	1,940.99	\$	1,940.99	Atmosphere™ 8-Zone Audio Processor
3 AtlasIED	C-ZSV	\$	299.00	\$	897.00	Atmosphere [™] Zone, Source, and Volume Wall Controller
12 AtlasIED	PM4FA-WH	\$	243.99	\$	2,927.88	4" 2-way Pendent Mount Speaker with 16-Watt 70.7V Transformer - White
1 AtlasIED	AZA404	\$	1,544.99	\$	1,544.99	400-Watt Networkable 4-Channel Power Amplifier
1 AtlasIED	ECS-3	\$	754.99	\$	754.99	15A Power Sequencer and Conditioner
1 AtlasIED	EFP3-1	\$	225.99	\$	225.99	19 inch Fan Panel Recessed Mount
1 AtlasIED	312-15	\$	983.99	\$	983.99	19 inch Wide Opening Stand-Alone Wall Cabinet with Adjustable Rails, 15 inch D Center Section - 12 RU
1 Televic	71.98.0035	\$	3,900.00	\$	3,900.00	Confidea WAP G4
1 Televic	71.98.0028	\$	106.00	\$	106.00	PoE+ power adapter for Confidea WAP G4.
8 Televic	71.98.0081	\$	1,600.00	\$	12,800.00	Confidea FLEX G4 is a touch enabled wireless tabletop conference unit
8 Televic	71.98.0094	\$	236.00	\$	1,888.00	GSM immune gooseneck microphone of 40 cm with push & lock mechanism
1 Televic	71.98.3000	\$	3,200.00	\$	3,200.00	Confero 360 License Unlock browser interface features for voting, synoptic view, discussion options and more.
8 Televic	71.98.1401	\$	106.00	\$	848.00	Confidea FLEX L-VT License to activate voting functionality on Confidea FLEX units
1 Televic	71.98.0046	\$	1,456.00	\$	1,456.00	Confidea CHT Charging station for 10 batteries
1 Televic	99.06.0006	\$	2,250.00	\$	2,250.00	Remote Configuration/Training
2 Vivitek	DH3660Z	\$	2,499.00	\$	4,998.00	1080p laser projector 4,500 ANSI lumens with a dynamic 20,000:1 contrast ratio
2 Draper Inc	143023	\$	9,522.00	\$	19,044.00	Electric screen 133" diagonal 65" x 116" Matt White XT1000VB
2 RCI Custom	MI9305WH	\$	42.18			Modular Insert, w/ one HDMI feedthrough pigtail
		TC	TAL MSRP	\$	59,850.19	



Thank You!

The Specification contained herein is designed to be an aid to the system designer. It is intended to be used as a tool for establishing the parameters of a system design. Every effort has been made to ensure the accuracy and reliability of the specification, drawings, bills of material, equipment counts and one line drawings. Mizzen Marketing assumes no liability for any damages caused by inaccuracies in the calculations, predictions, data or documentation, or as a result of the failure of the products described in the documentation to function in a particular manner. Mizzen Marketing makes no warranty, expressed or implied, nor does the fact of the distribution of the specification documents constitute a warranty. It is the responsibility of the Engineer or Consultant to make the final judgment as to the validity and application of the specifications.



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