



We provide, free of charge, custom quote and engineering services for all projects

These services apply to the following types of projects:

- 2-CH Stereo Systems
- Multi-Room Distributed Audio Systems
- Media Room Systems
- Dedicated Theater Systems
- And more...

Within the quotes we will include:

- GOOD, BETTER, and BEST Quotes
- Elevation and Overhead Drawings
- Atmos and or Digital Cinema Layouts
- Subwoofer Analysis
- Marketing Slides
- And more...

Check out a “theater quote” example



Dealer Logo Here



“ Dealer’s Name ”
“ Project Name ”
Quotes & Speaker Layouts

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Quotes Page 1 of 2



	GOOD 9.4.4 Dolby Atmos Consumer Theater	BETTER 9.4.4 Dolby Atmos Consumer Theater	BEST 9.4.4 Dolby Atmos Consumer Theater	ULTIMATE 9.4.4 Dolby Atmos Consumer Theater
Speaker Models	Front LCR Channels <ul style="list-style-type: none">(3) Sage Series C38m Point Source Speakers Surround & Overhead Channels <ul style="list-style-type: none">(4) Insight Series P4i Point Source Side & Rear CH's(2) Insight Series P6i Point Source for Rear CH's(4) Sage ICS7a Point Source for Overhead CH's Subwoofers <ul style="list-style-type: none">(2) STS RTL Subwoofers(4) S90 basic-port RTL Subwoofers(2) Reverse Port Custom Charge for S90	Front LCR Channels <ul style="list-style-type: none">(3) Sage Series Point 3 GT Point Source Speakers Surround & Overhead Channels <ul style="list-style-type: none">(6) Insight Series P6i Point Source Side & Rear CH's(4) Sage ICS7a Point Source for Overhead CH's Subwoofers <ul style="list-style-type: none">(2) STS RTL Subwoofers(4) S90 basic-port RTL Subwoofers(2) Reverse Port Custom Charge for S90	Front LCR Channels <ul style="list-style-type: none">(3) Sage Series Point 3 GT Point Source Speakers Surround & Overhead Channels <ul style="list-style-type: none">(6) Sage Cinema Series Point 3 GT Side & Rear CH's(4) Sage ICS7a Point Source for Overhead CH's Subwoofers <ul style="list-style-type: none">(2) STS RTL Subwoofers(4) S90 basic-port RTL Subwoofers(2) Reverse Port Custom Charge for S90	Front LCR Channels <ul style="list-style-type: none">(1) Sage Cinema Series Point 3 GT Point Source Center CH(2) Sage Cinema Series Line 3 Line Source L&R CH's Surround & Overhead Channels <ul style="list-style-type: none">(6) Sage Cinema Series Point 3 GT Side & Rear CH's(4) Sage ICS7a Point Source for Overhead CH's Subwoofers <ul style="list-style-type: none">(2) STS RTL Subwoofers(4) S90 basic-port RTL Subwoofers(2) Reverse Port Custom Charge for S90
Electronics	<ul style="list-style-type: none">(2) SA-2 Amplifier(6) SA-3 Amplifiers	<ul style="list-style-type: none">(2) SA-2 Amplifiers(6) SA-3 Amplifiers	<ul style="list-style-type: none">(2) SA-2 Amplifiers(6) SA-3 Amplifiers	<ul style="list-style-type: none">(2) SA-2 Amplifiers(6) SA-3 Amplifiers
Services	<ul style="list-style-type: none">(1) Advanced Factory System Calibration & Room Commissioning	<ul style="list-style-type: none">(1) Advanced Factory System Calibration & Room Commissioning	<ul style="list-style-type: none">(1) Advanced Factory System Calibration & Room Commissioning	<ul style="list-style-type: none">(1) Advanced Factory System Calibration & Room Commissioning
System Total (MSRP)	<i>Retail Price of System</i>	<i>Retail Price of System</i>	<i>Retail Price of System</i>	<i>Retail Price of System</i>
System Advantages & Benefits	<ul style="list-style-type: none">Great Wisdom Audio Signature SoundClarity and details using Planar Magnetic Drivers (PMD)Planar Magnetic Drivers cover 5 Octaves for LCR, 5 Surrounds, and 5 Octaves for Overhead ChannelsArticulated bass using Regenerative Transmission Line Subwoofer Technology (RTL)Wisdom Audio SA Amplifiers for speaker matching and the best in dynamic output with the highest level of audiophile clarity	All the GOOD System attributes plus... <ul style="list-style-type: none">The BETTER system upgrades the LCR Channels to using the Sage Cinema Series Point 3 GT Point Source Speakers for improved clarity and dynamicsThe BETTER system's Side Channels have been upgraded to the Insight Series P6i's for improved dynamics and clarity	All the BETTER System attributes plus... <ul style="list-style-type: none">The BEST system upgrades all Surround Channels to the Sage Cinema Series Point 3 GT's another level up in clarity and dynamics	All the BEST System attributes plus... <ul style="list-style-type: none">The ULTIMATE System upgrades the L&R Channels to the Sage Cinema Line 3 Line Source Speakers providing superior SLP over distance versus using a Point Source speaker. In addition, this will help to further increase the overall system dynamics and will be the best choice for the length of the room for not only movies but for also music playbackThe Ultimate system's L&R Channels PMD's cover 6 Octaves

Special Note: Quote Pricing Good for 90-Days

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Quotes Page 2 of 2



ULTIMATE II

9.4.6 Dolby Atmos Consumer Theater

Speaker Models



Front LCR Channels

- (1) Sage Cinema Series Point 3 GT Point Source Center CH
- (2) Sage Cinema Series Line 3 Line Source L&R CH's

Surround & Overhead Channels

- (6) Insight Series L8i Line Source for Side & Rear CH's
- (6) Sage ICS7a Point Source for Overhead CH's

Subwoofers

- (2) STS RTL Subwoofers
- (4) S90 basic-port RTL Subwoofers
- (2) Reverse Port Custom Charge for S90

Electronics



- (8) SA-3 Amplifiers

Services



- (1) Advanced Factory System Calibration & Room Commissioning

System Total (MSRP)



Retail Price of System

System Advantages & Benefits



All the ULTIMATE System attributes plus...

- The **ULTIMATE II** system upgrades all Surround Channels to using the Insight Series L8i Line Source Speakers. This will provide the most clarity and dynamics possible, and also will deliver the larges sweet spot covering all rows with equal surround SLP levels
- The **ULTIMATE II** system adds an additional set of Sage Series ICS7a Overhead CH's for improved Atmos coverage and Dynamics

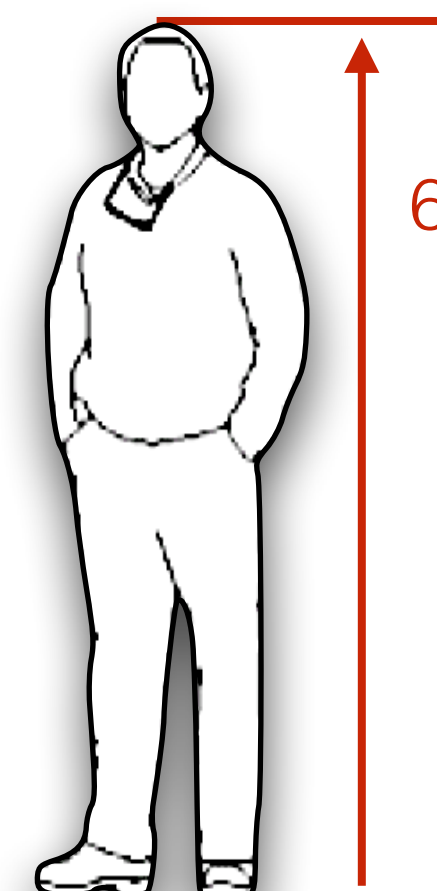
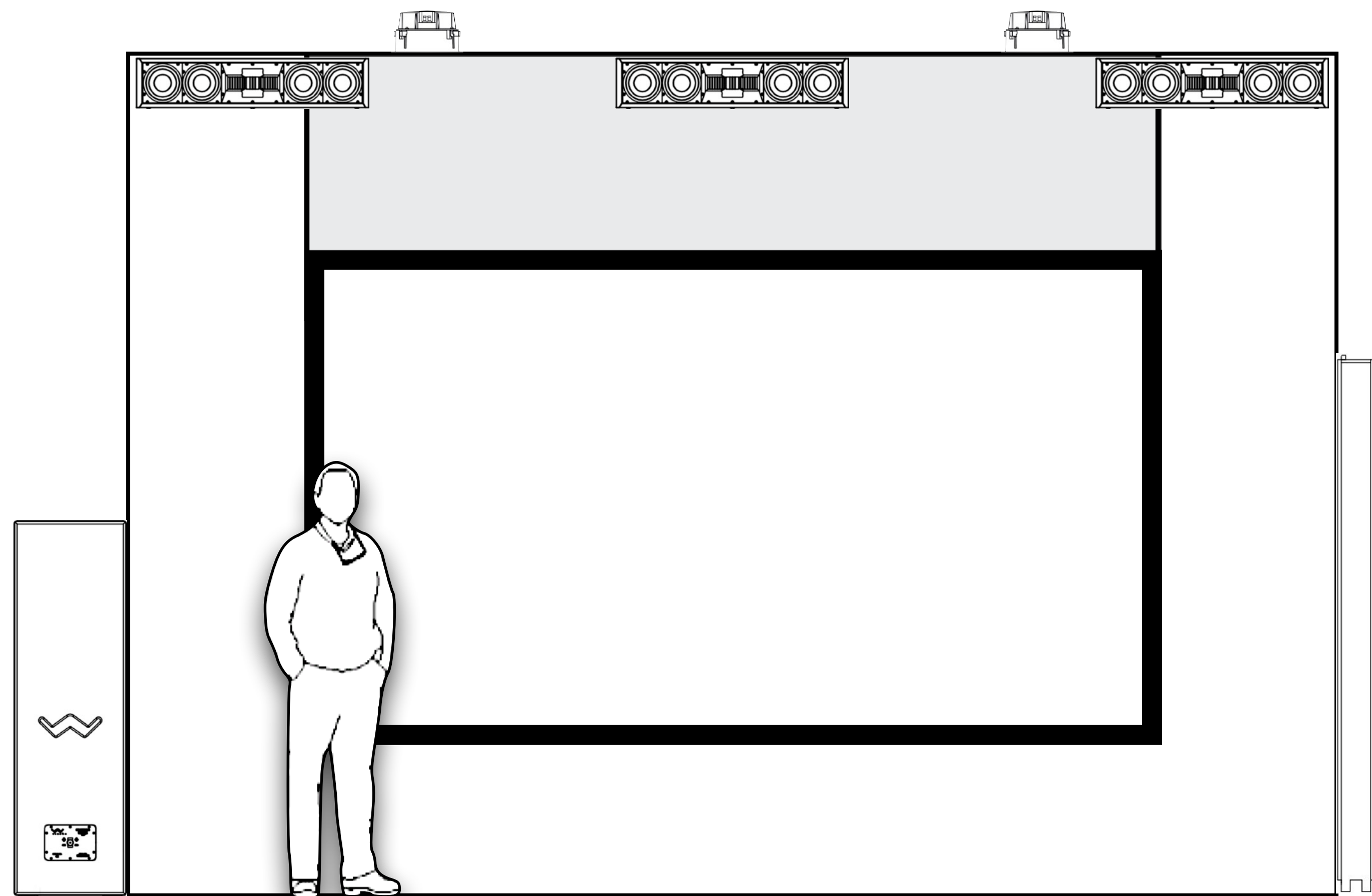
Special Note: Quote Pricing Good for 90-Days

**The following Elevation and Overhead Speaker Layouts
are for the
“ *P r o j e c t N a m e* ”**

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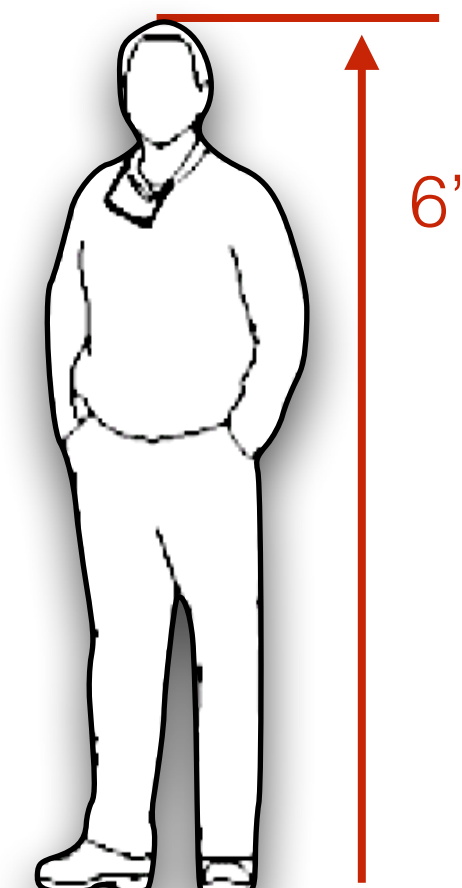
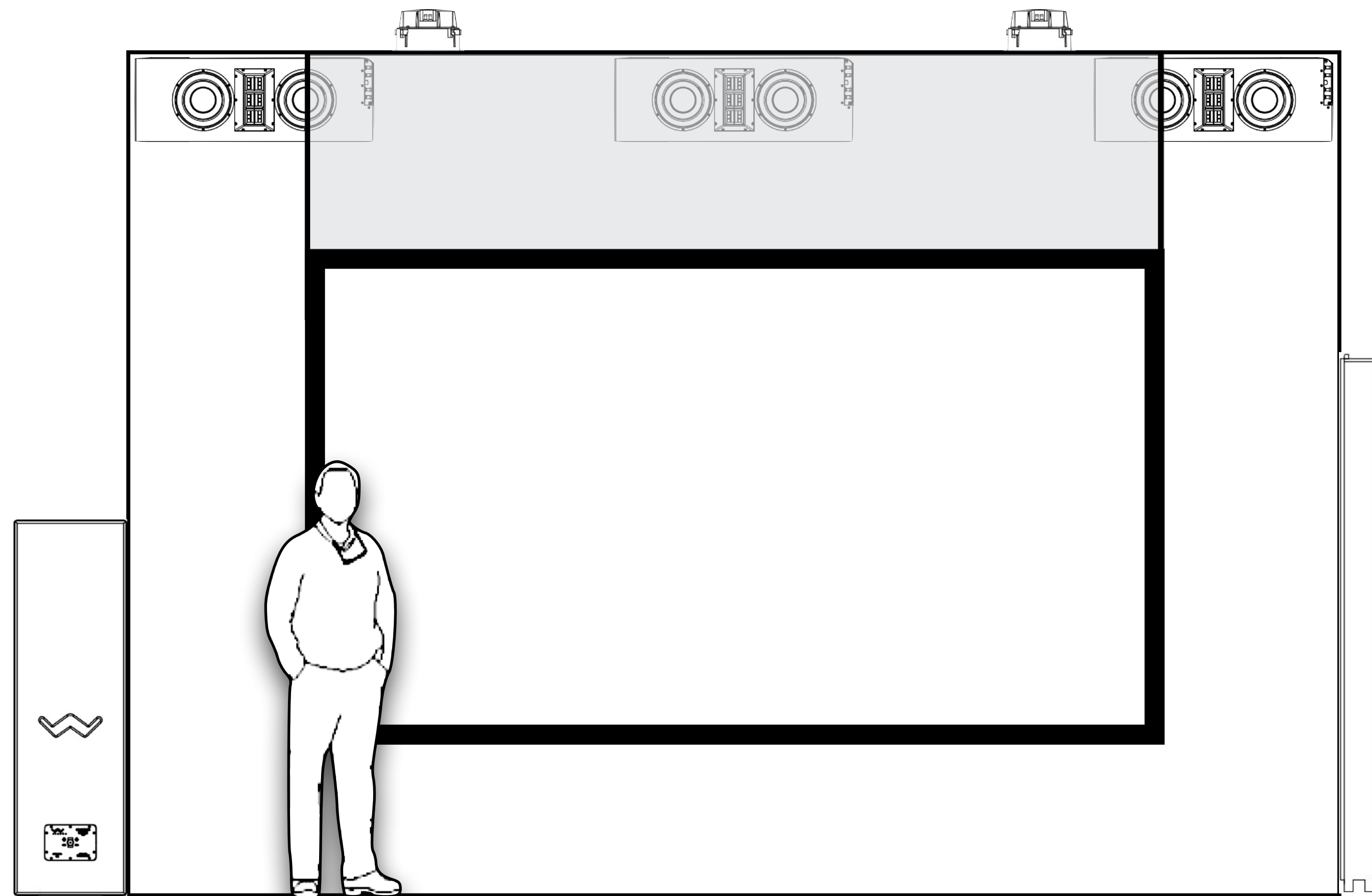
Front Wall Elevations

Dealer Logo Here



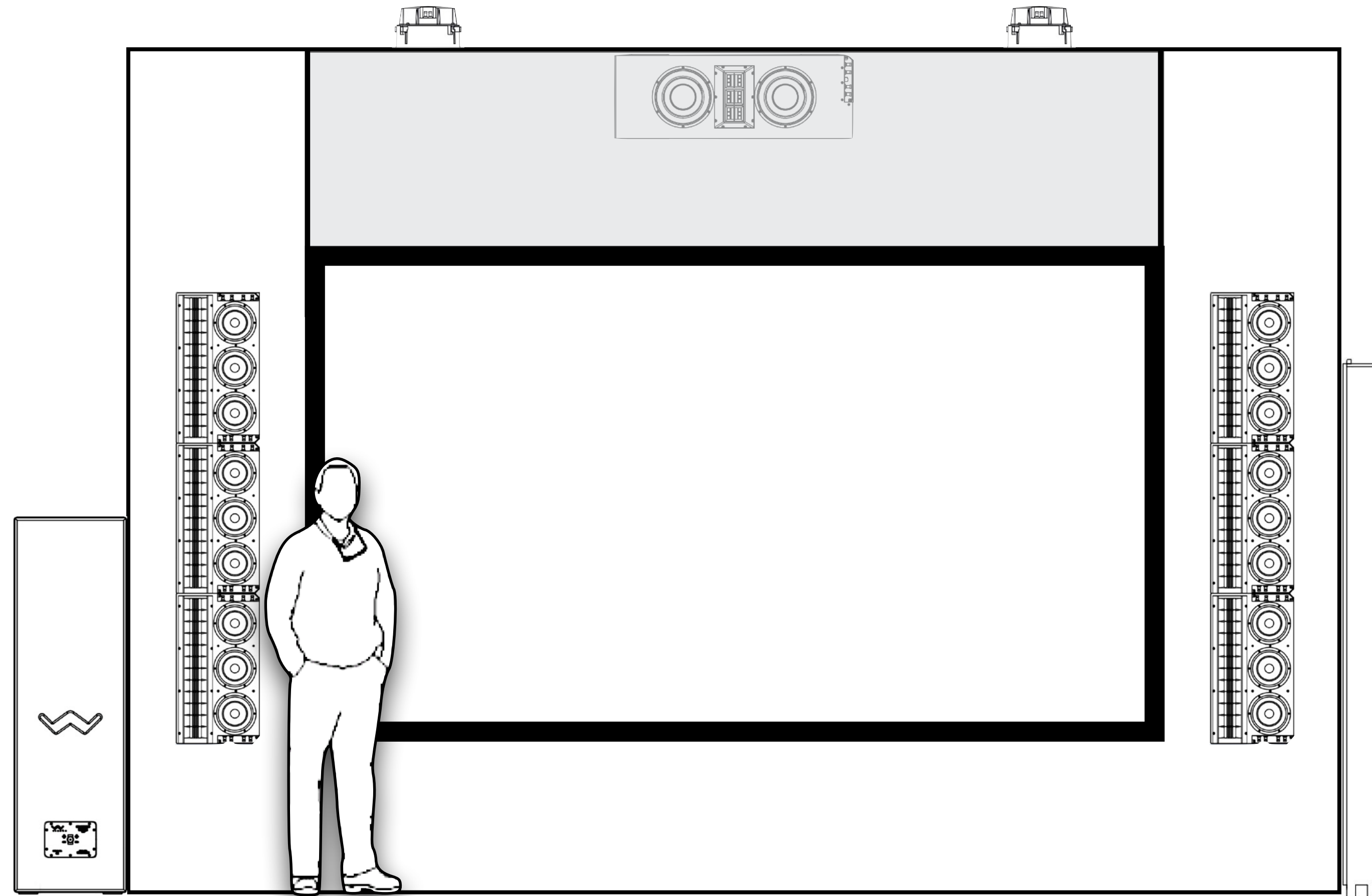
Front Wall Speaker Layout - *GOOD*

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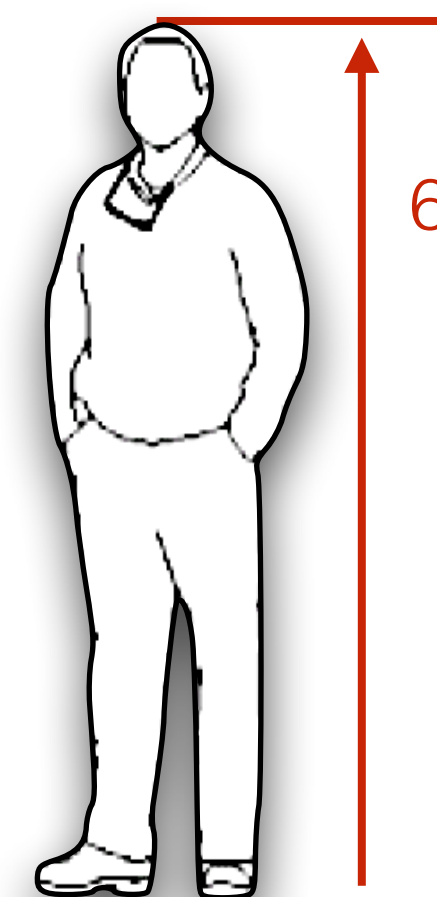
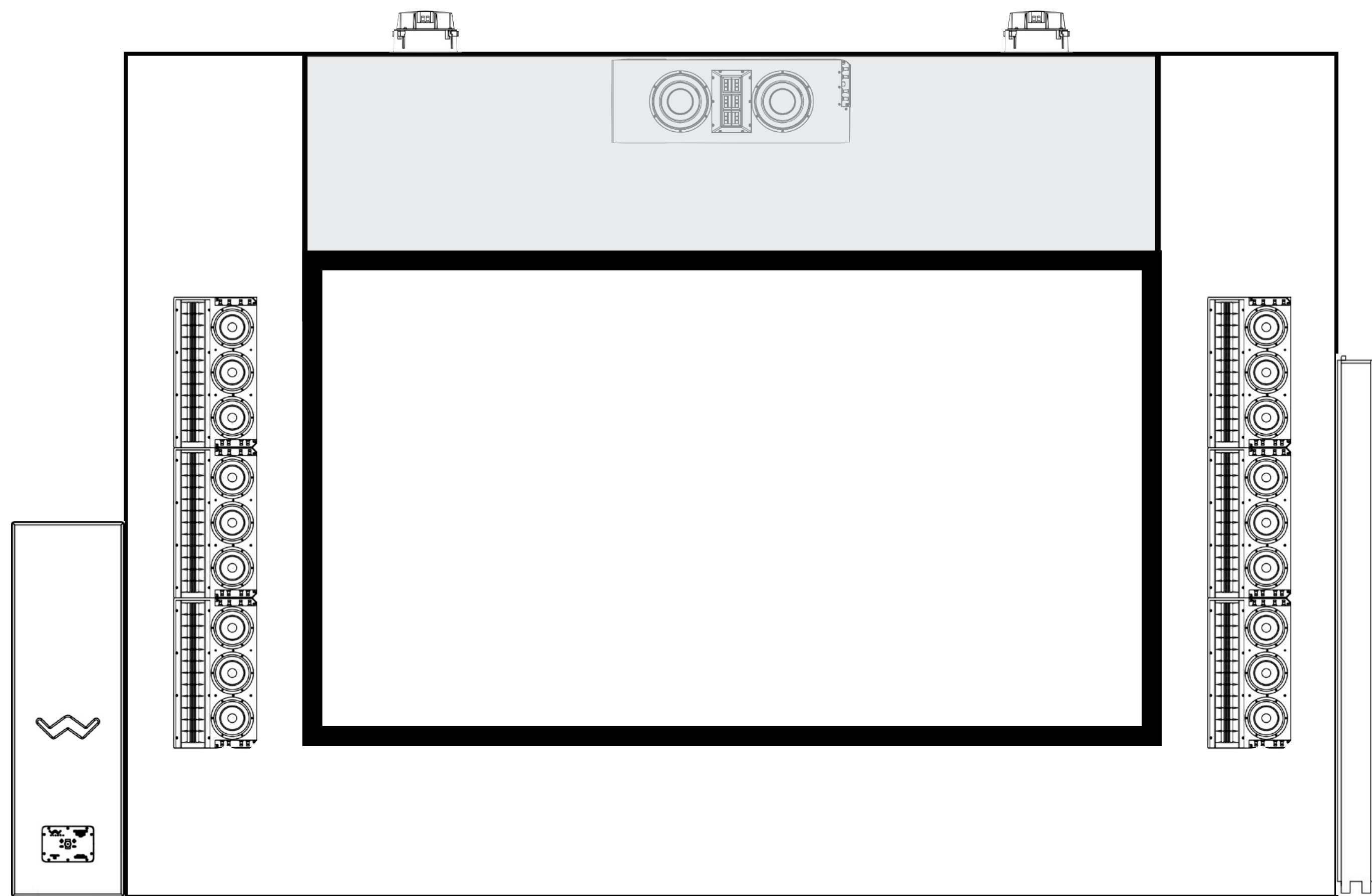
Front Wall Speaker Layout - ***BETTER & BEST***

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Front Wall Speaker Layout- *ULTIMATE & ULTIMATE II*

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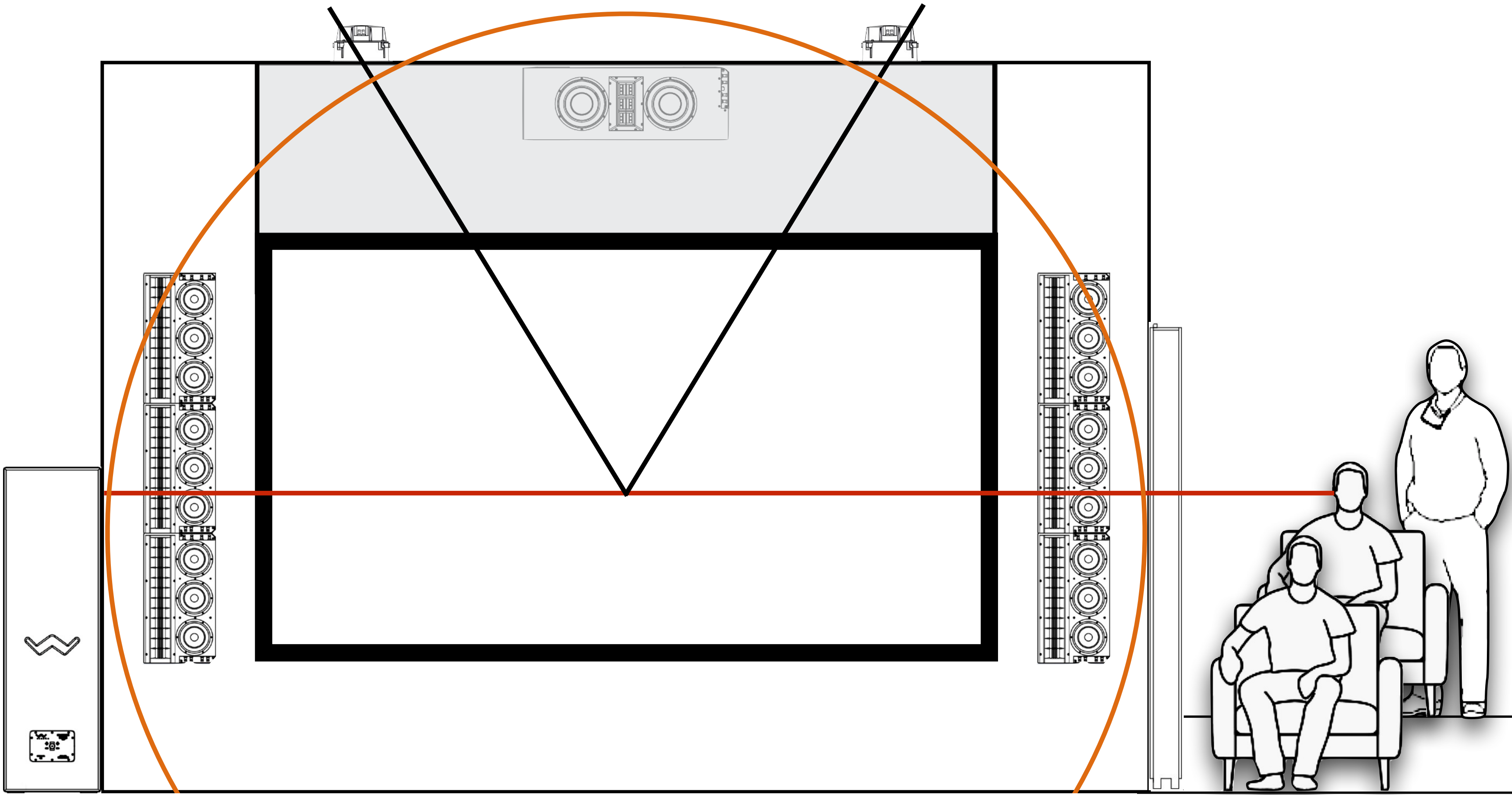


Front Wall Speaker Layout - *ULTIMATE & ULTIMATE II*

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**S c r e e n D i s t a n c e &
A t m o s L a y o u t A l i g n m e n t**

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Front Wall Speaker Layout for Dolby Consumer Atmos

Woven Screens:

4" is the very Min for Woven, 12" is the best distance, and increasing the distance will equate to a better result

Microperf Screens:

8" is the very min for Microperf, 15" is the best distance, and increasing the distance will equate to a better result

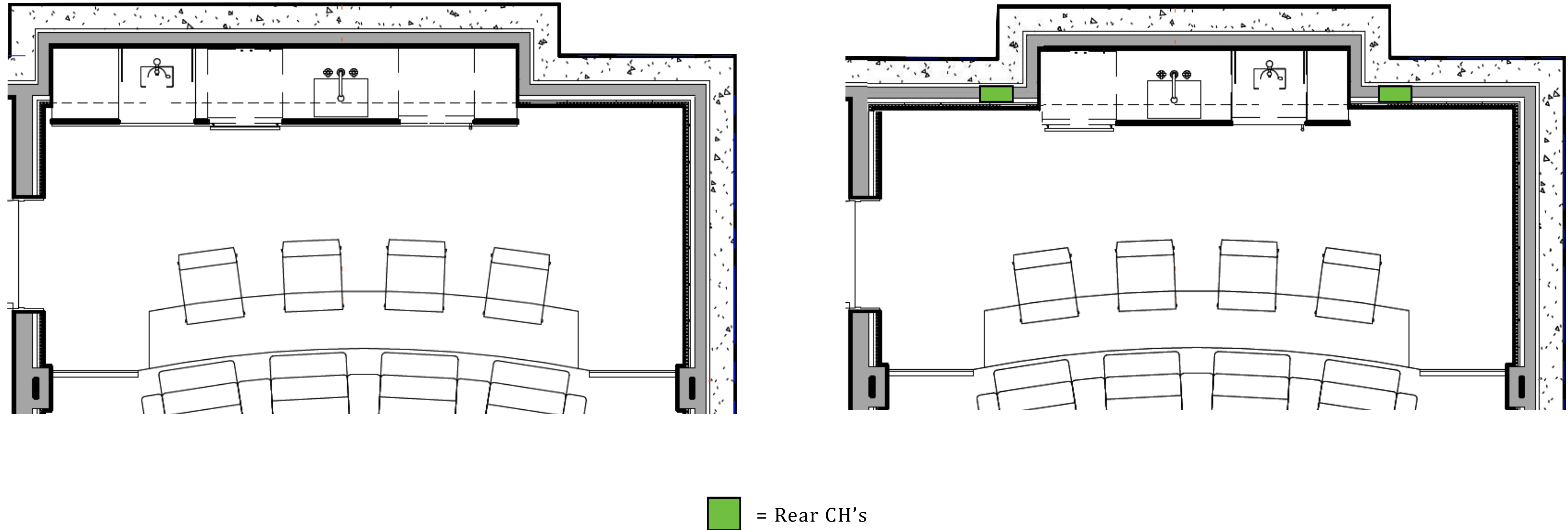
How far back to place speakers from an acoustically transparent screen

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Overhead Speaker Layouts

Dealer Logo Here

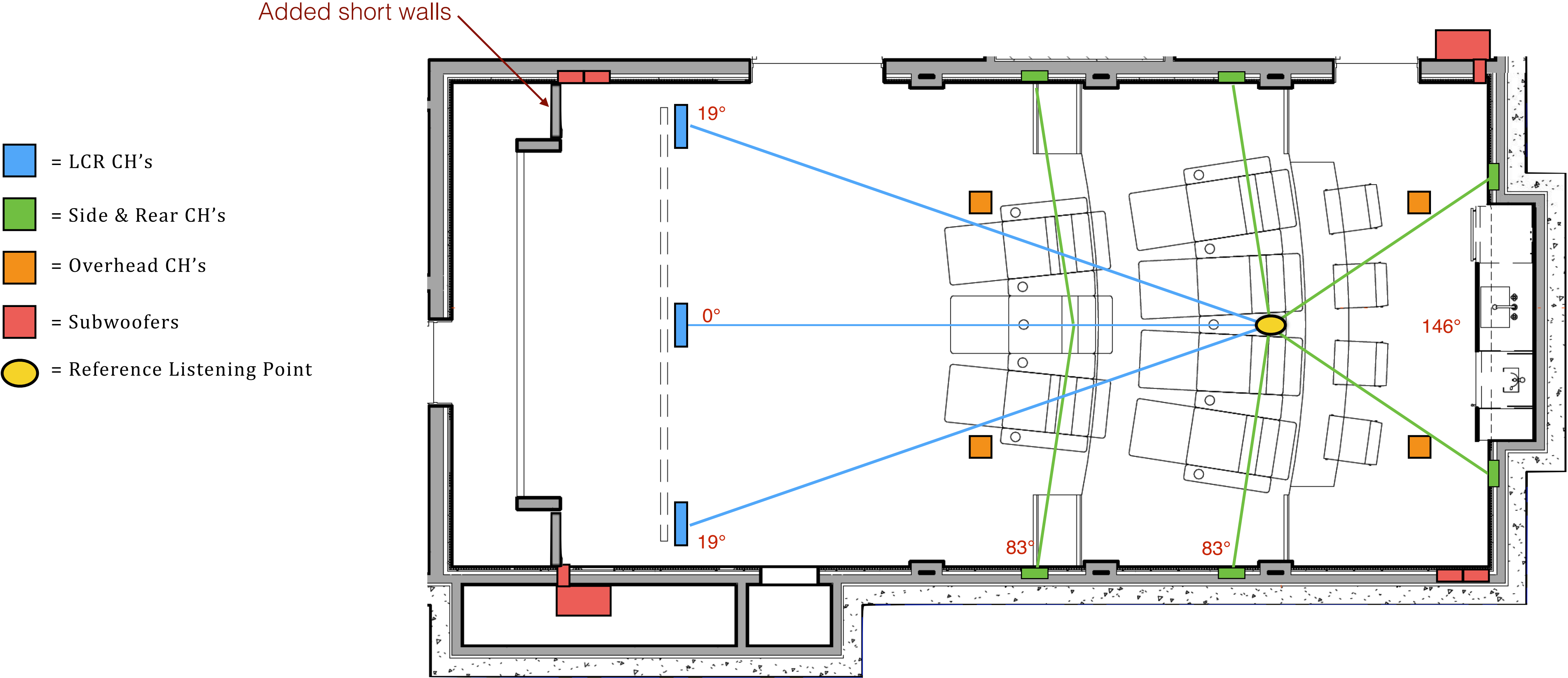
It would be recommended to change the rear wall layout in order to accommodate Rear Surround Channels to be placed in the Rear Wall. This will allow improved surround envelopment, in addition to providing proper angles for Dolby Atmos playback



Overhead View of Rear Wall Revision Recommended

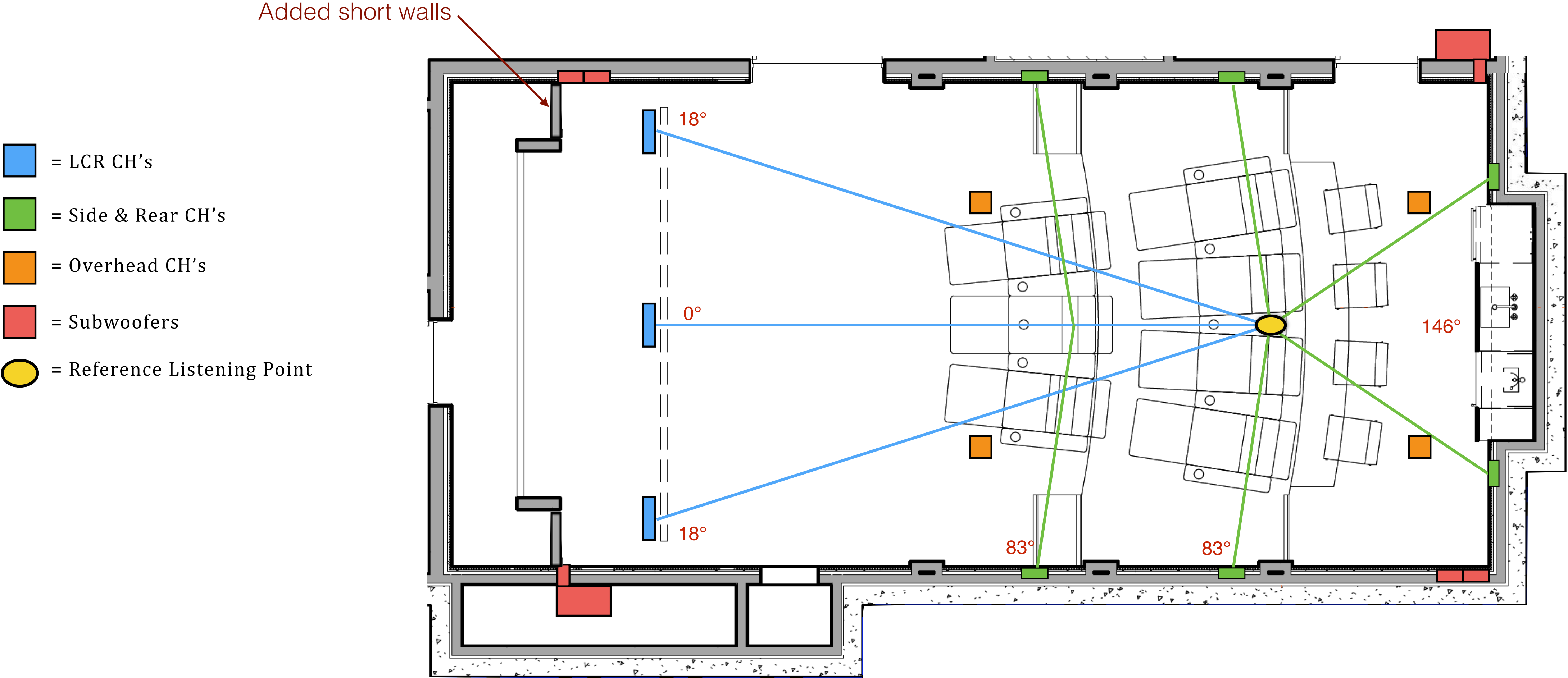
**All Overhead, Side, and Rear Speaker Layouts
will be based upon the hope that the Rear Wall
can be revised with the new layout**

Dealer Logo Here



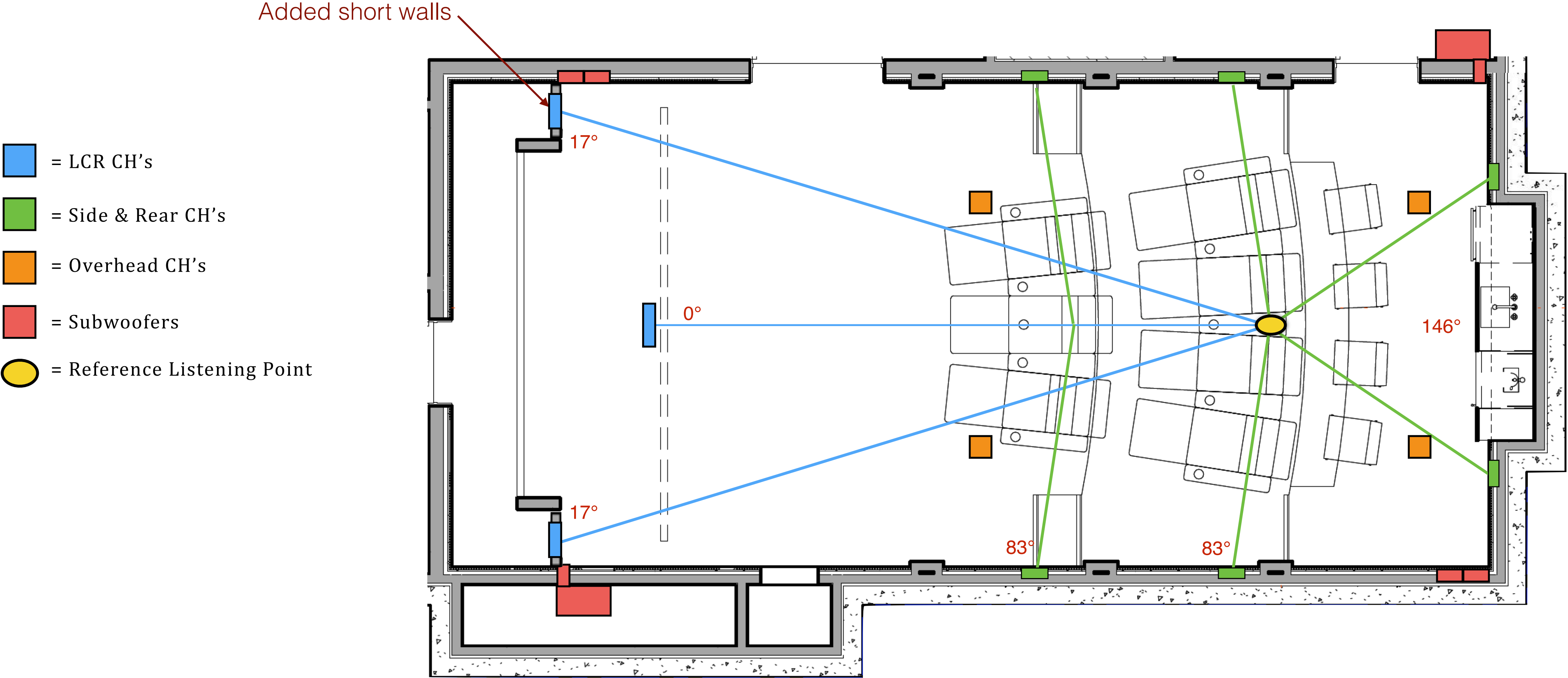
Overhead Speaker Layout - *GOOD*

Dealer Logo Here



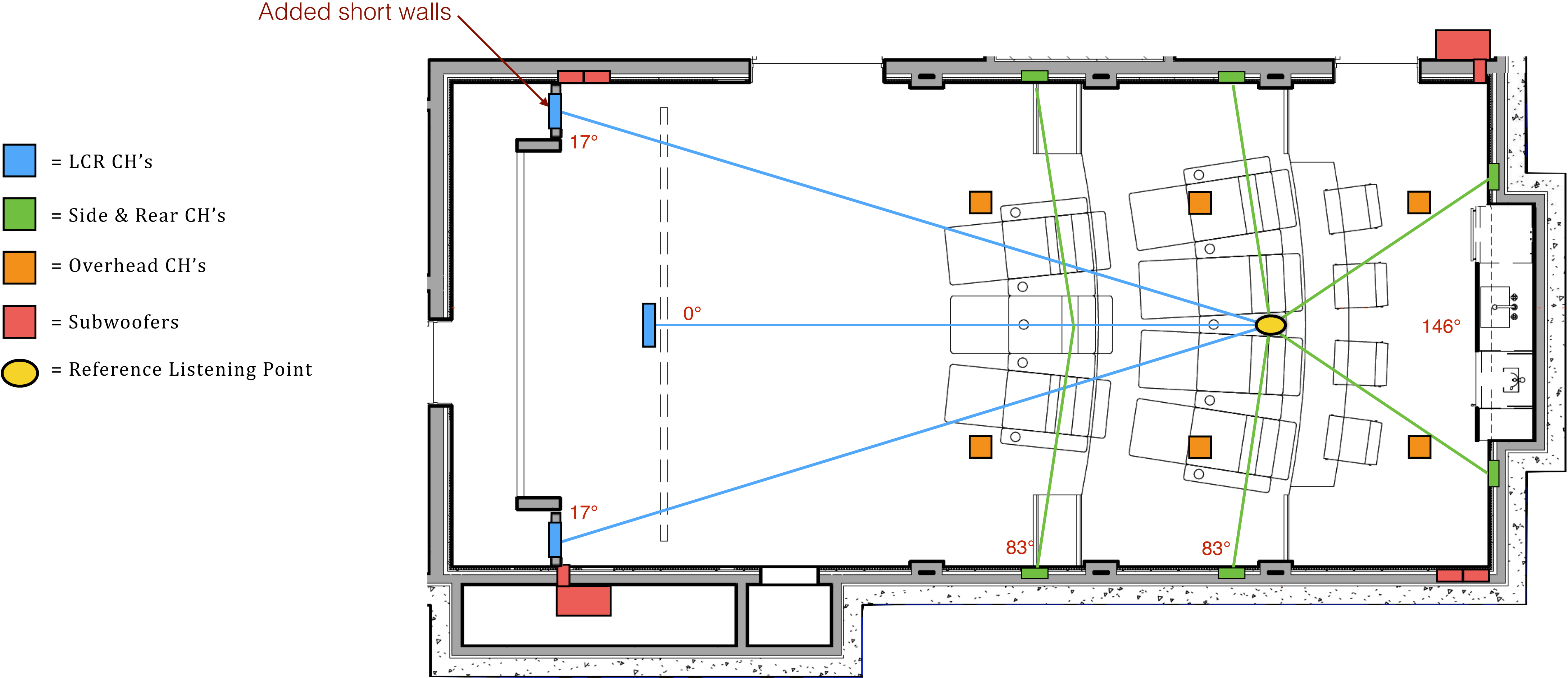
Overhead Speaker Layout - ***BETTER & BEST***

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Overhead Speaker Layout - *ULTIMATE*

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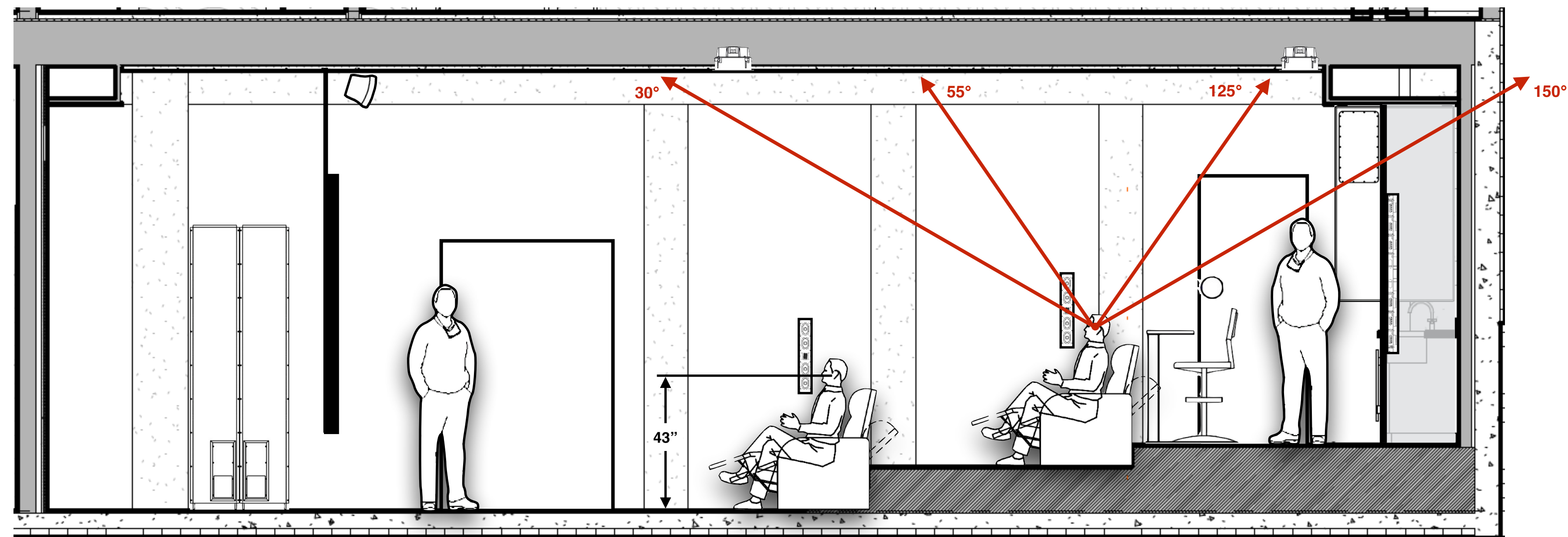
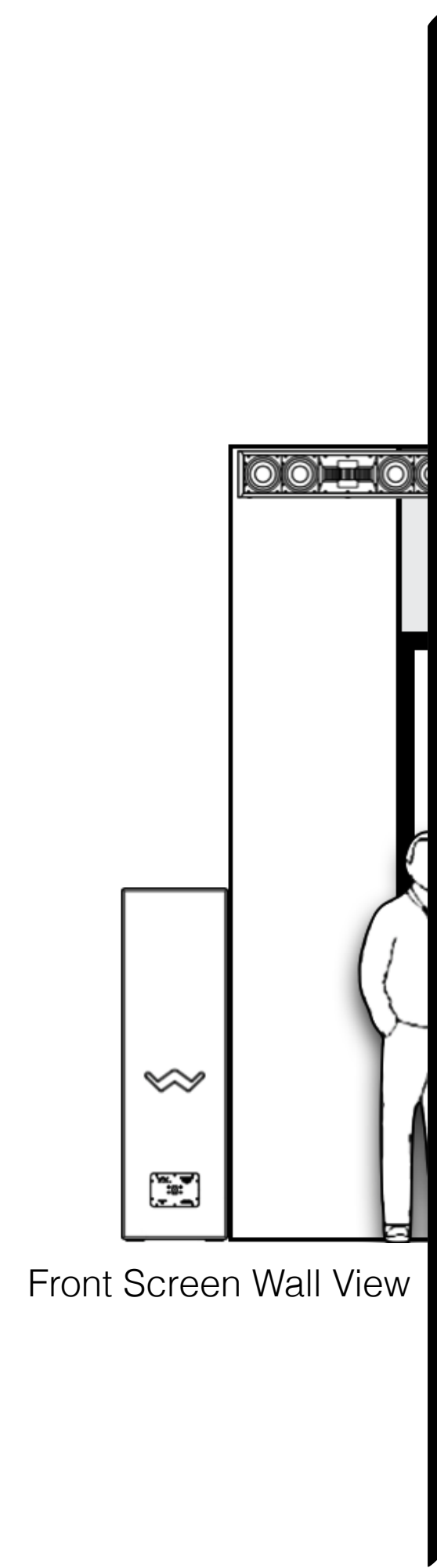


Overhead Speaker Layout - *ULTIMATE II*

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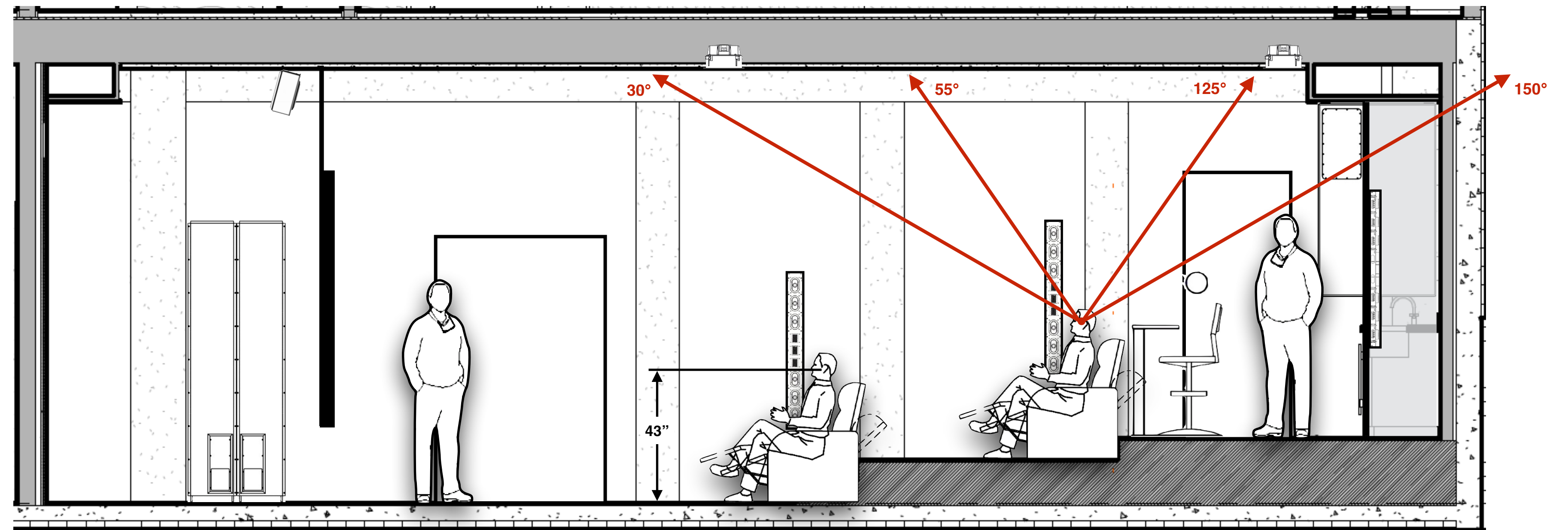
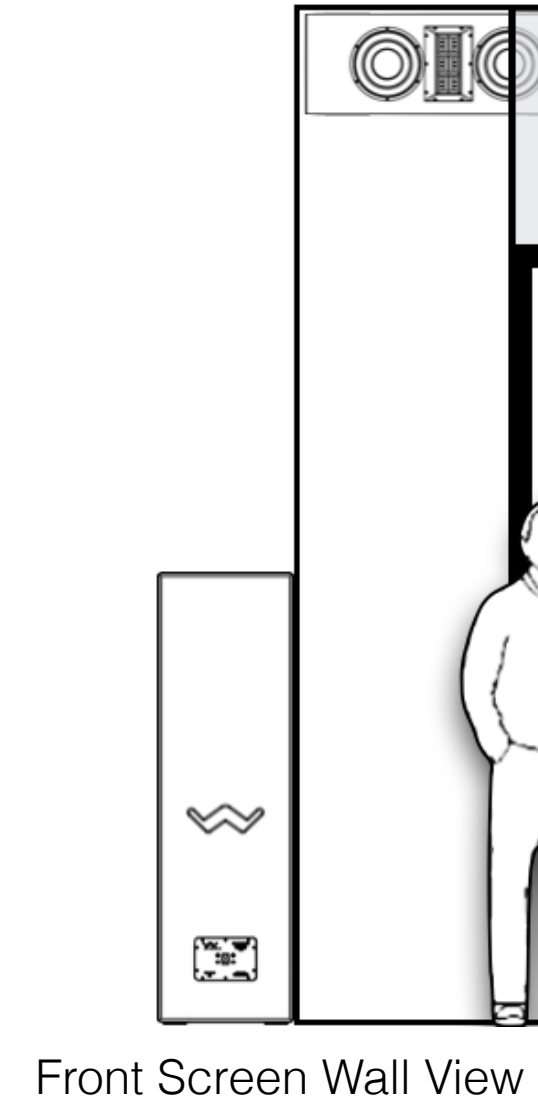
Side Wall Elevations

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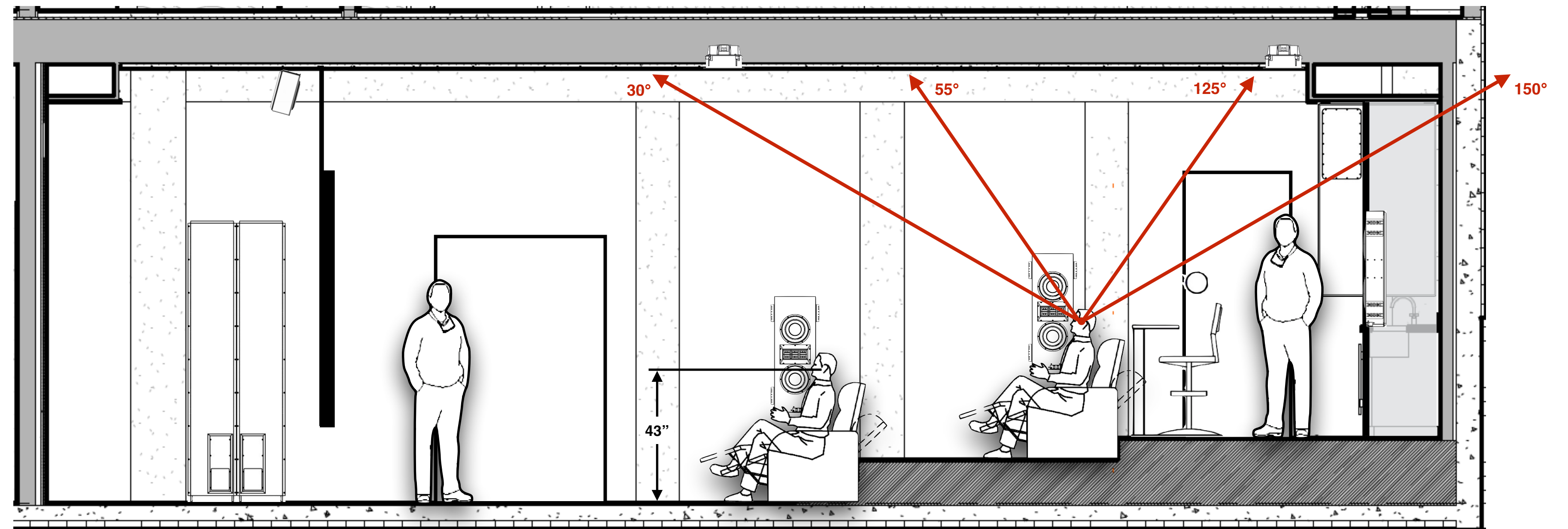
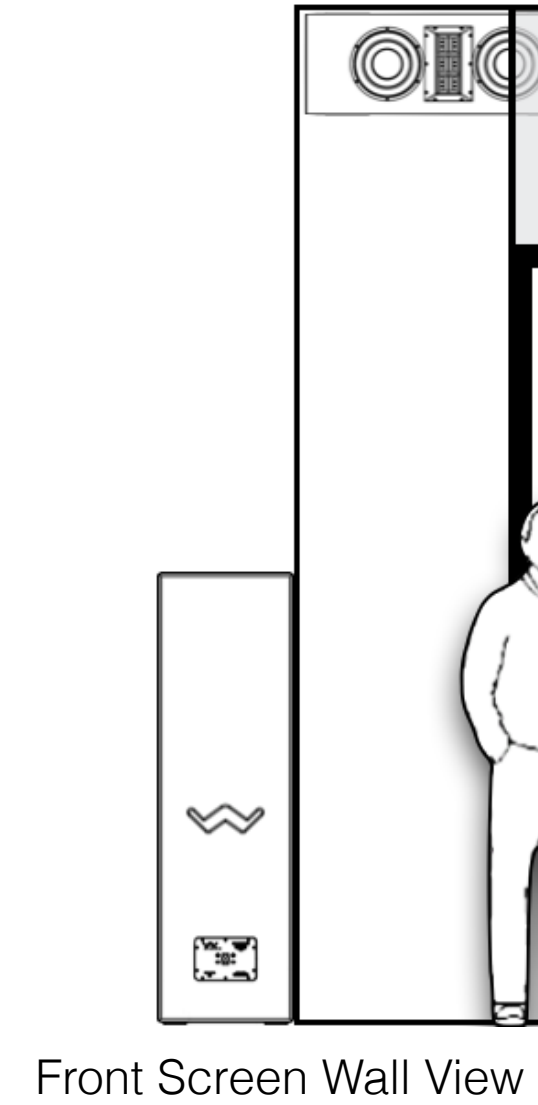
Right Side Wall Elevation Speaker Layout - *GOOD*

Dealer Logo Here



Right Side Wall Elevation Speaker Layout - *BETTER*

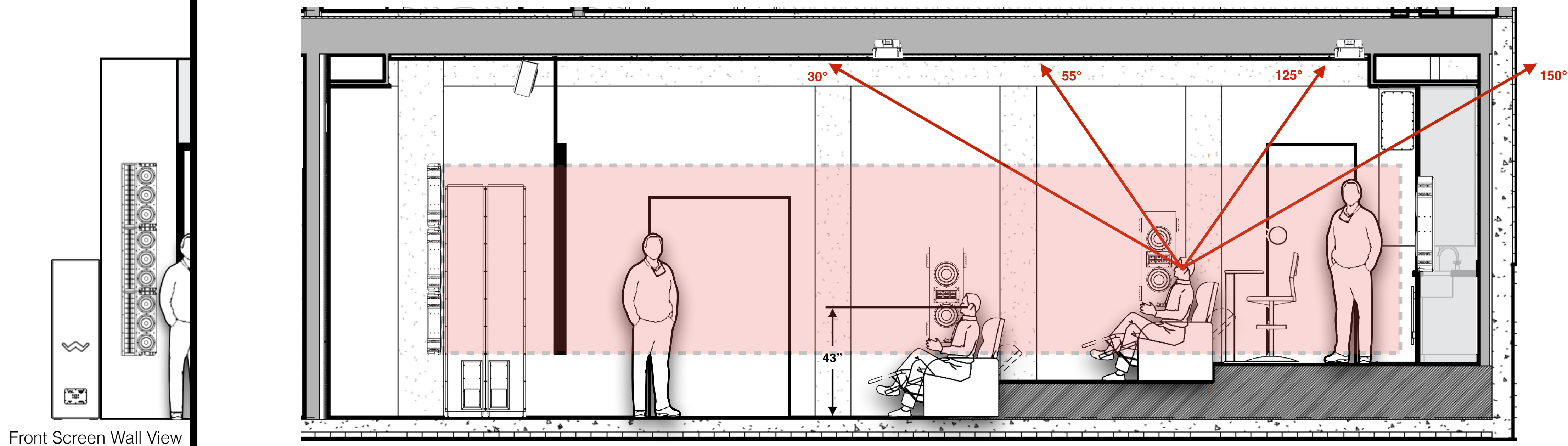
Dealer Logo Here



Right Side Wall Elevation Speaker Layout - ***BEST***




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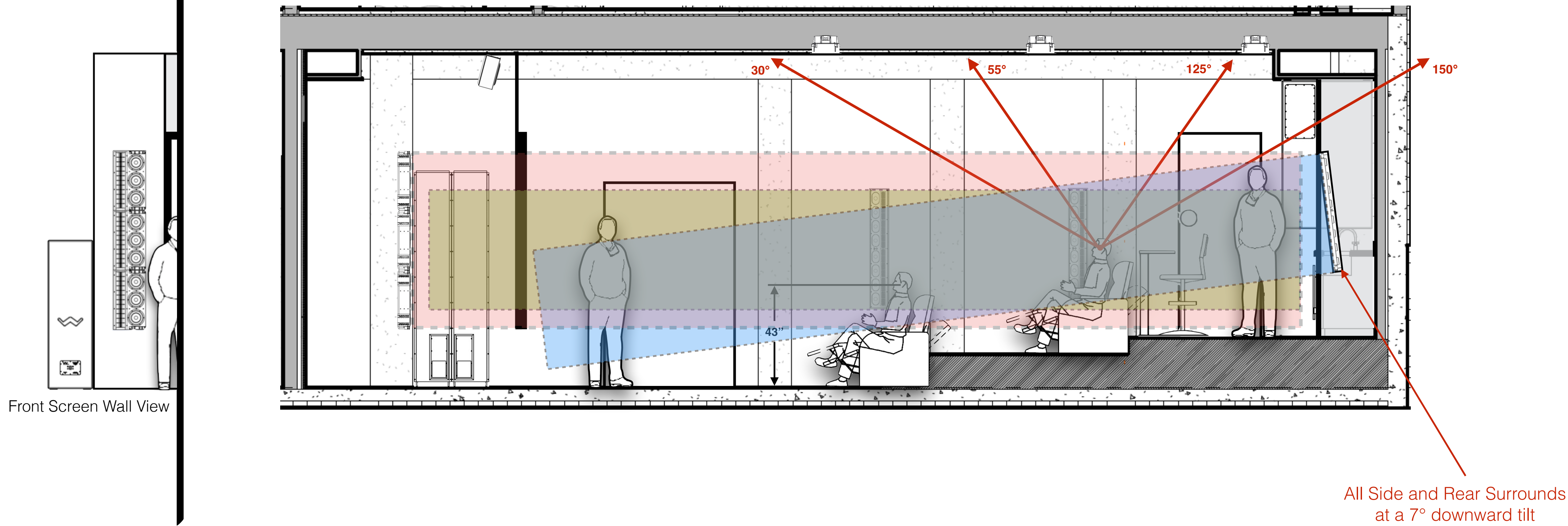
 = Front L&R Line Source Vertical Coverage Pattern



Right Side Wall Elevation Speaker Layout - *ULTIMATE*

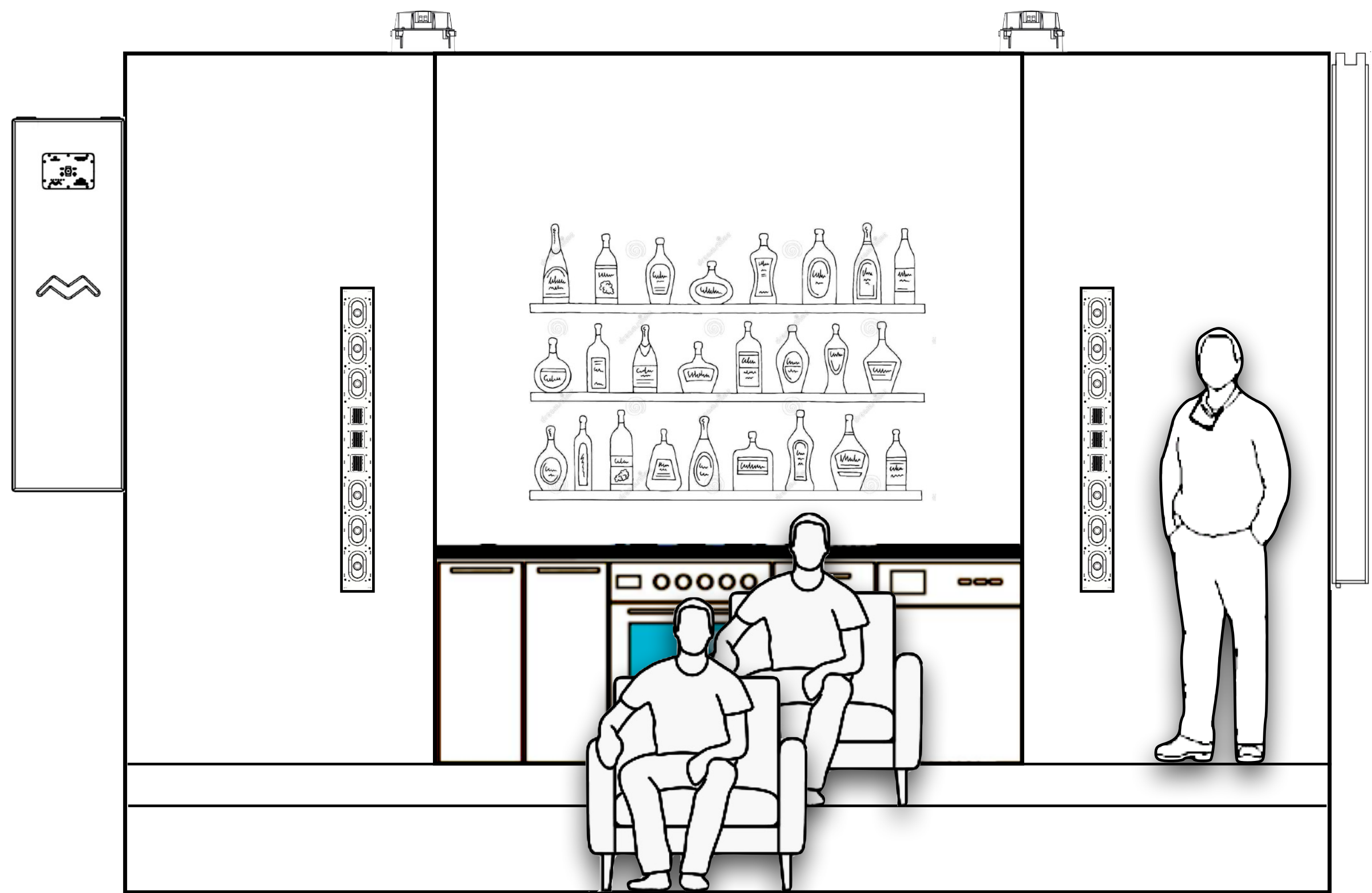
Dealer Logo Here

-  = Front L&R Line Source Vertical Coverage Pattern
-  = Side Surround Line Source Vertical Coverage Pattern
-  = Rear Surround Line Source Vertical Coverage Pattern



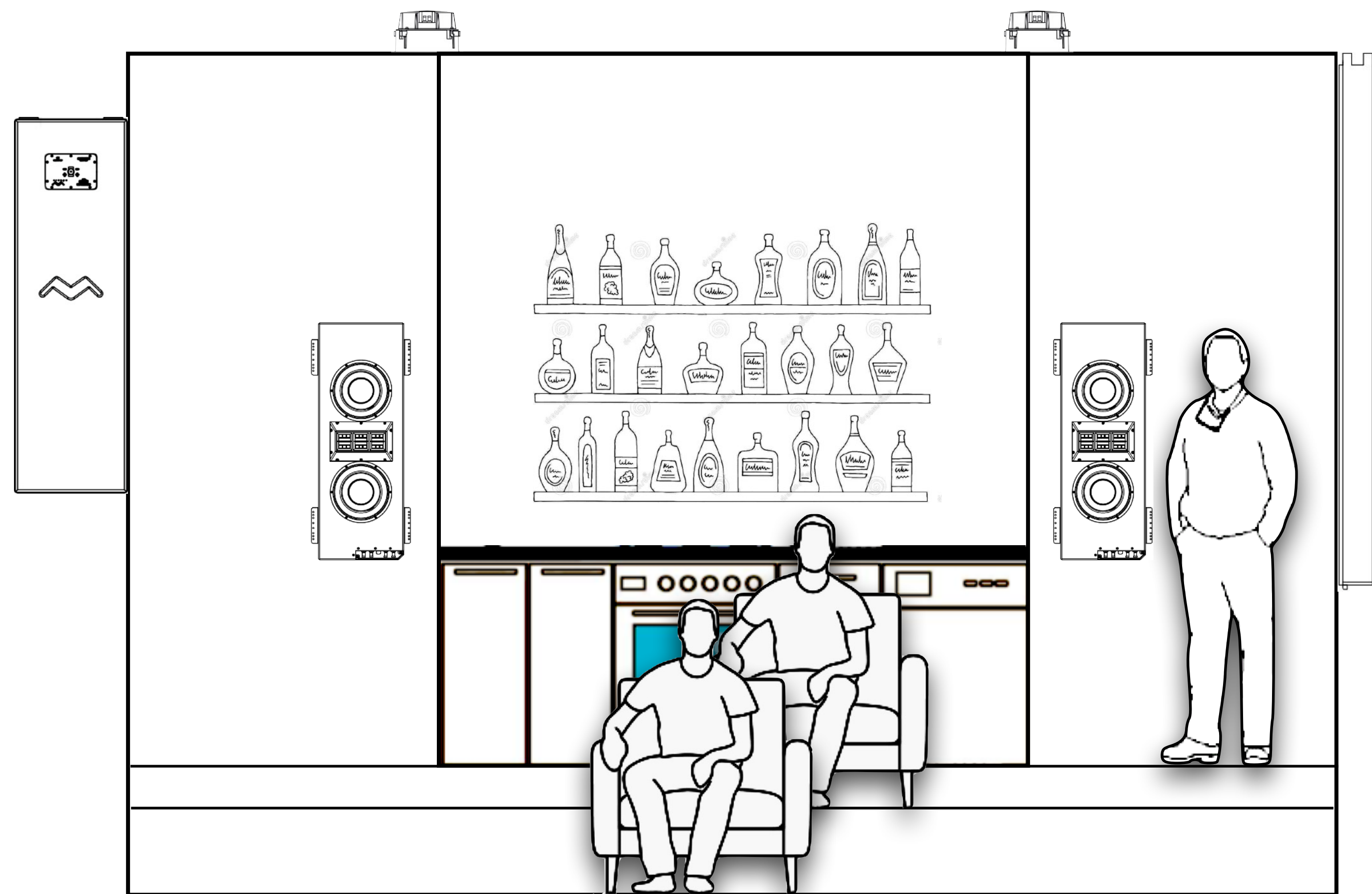
Right Side Wall Elevation Speaker Layout - *ULTIMATE II*

Dealer Logo Here



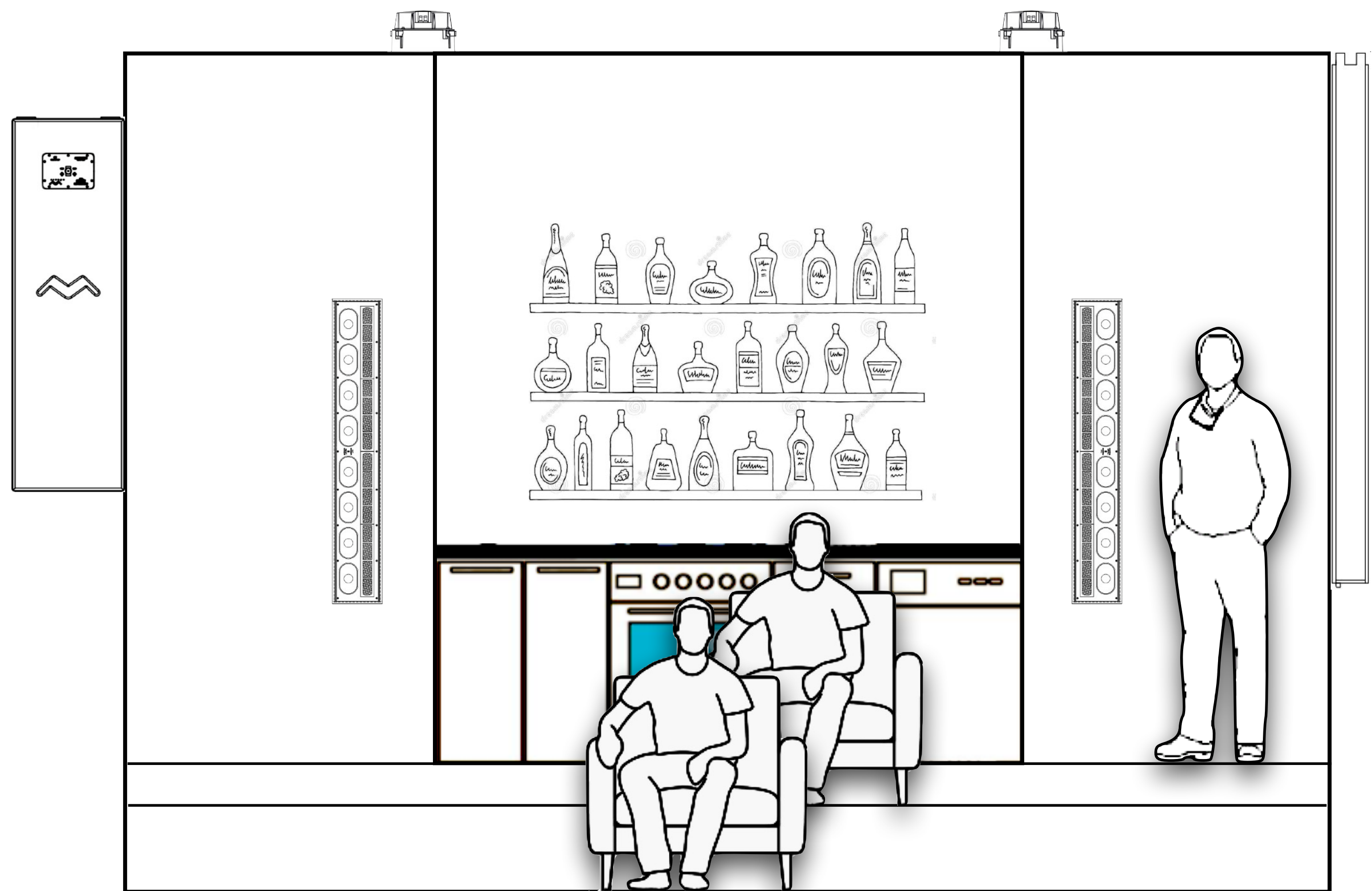
Rear Wall Elevation Speaker Layout - *GOOD & BETTER*

Dealer Logo Here



Rear Wall Elevation Speaker Layout - *BEST & ULTIMATE*

Dealer Logo Here



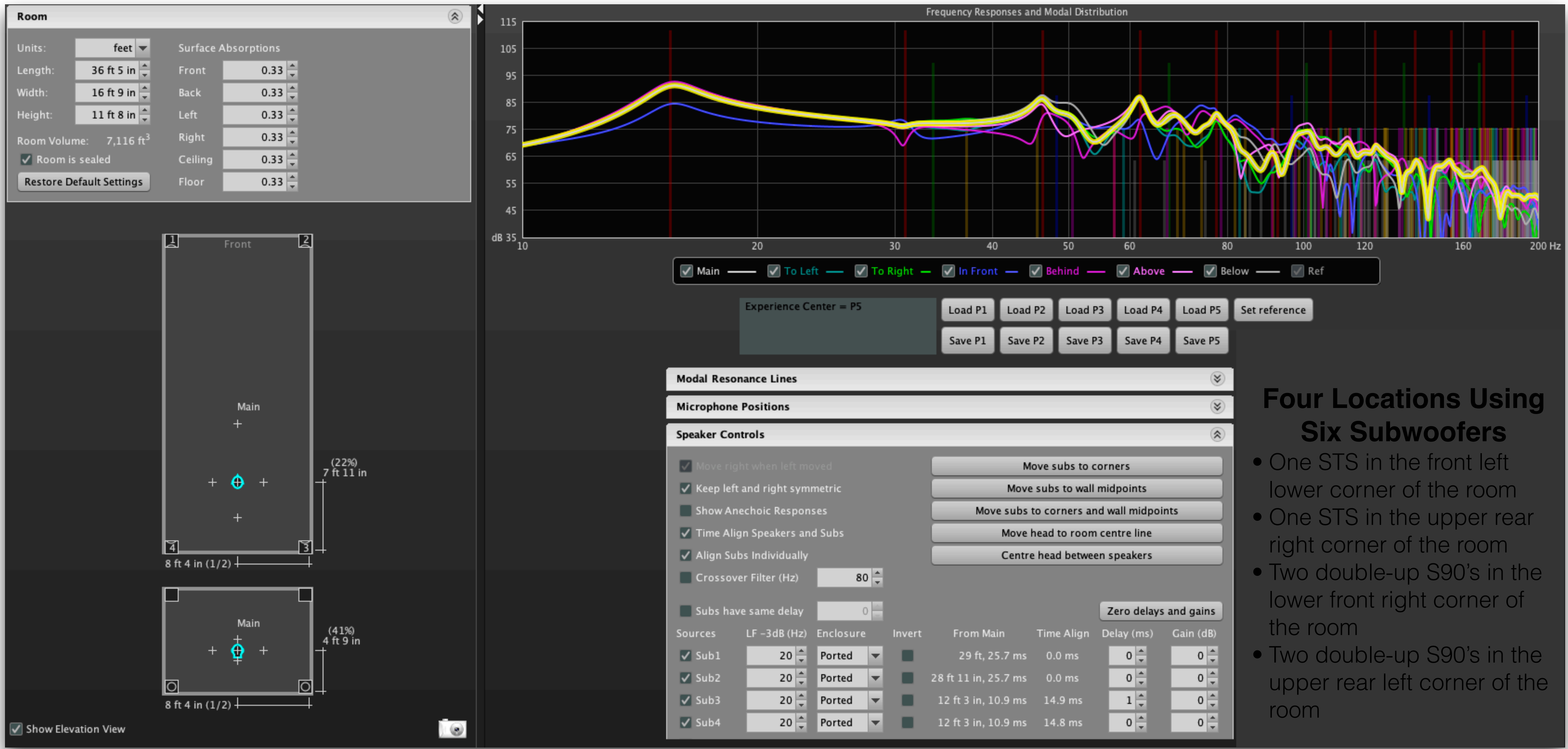
Rear Wall Elevation Speaker Layout - *ULTIMATE II*

Dealer Logo Here

Subwoofer Analysis & Line Source Benefits

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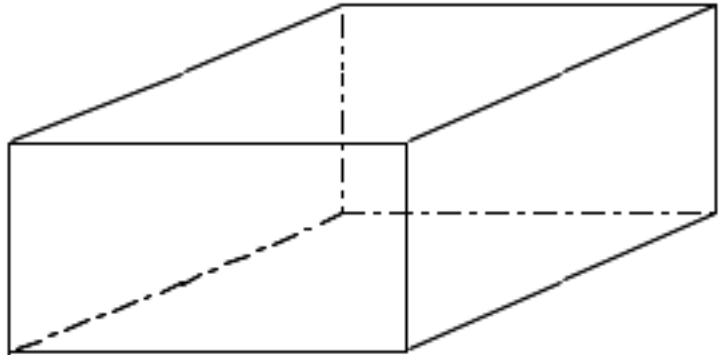
Subwoofer Room Analysis



Four Locations Using Six Subwoofers

- One STS in the front left lower corner of the room
- One STS in the upper rear right corner of the room
- Two double-up S90's in the lower front right corner of the room
- Two double-up S90's in the upper rear left corner of the room

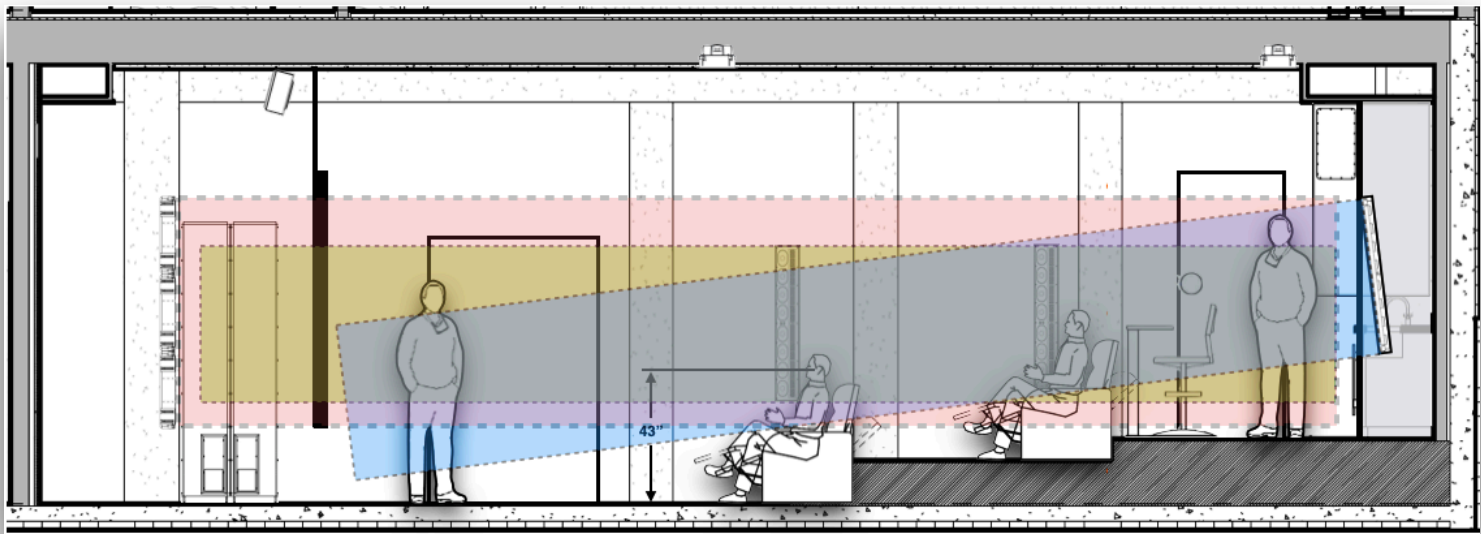
Room Size in feet and Surface in Square feet

Height	11.8		Front wall	199.42
Length	36.5		Back Wall	199.42
Width	16.9		Left wall	430.7
			Right Wall	430.7
Ceiling	616.85			
Floor	616.85			
Floor + Ceiling Surface	1233.7		Total Wall Surface	1260.24
	49%			51%

The Total Ceiling and Floor area represent 49% of the Total in Room boundary

A Line Source will provide more direct sound (*what comes directly out of the speaker*) than reflected sound (*sound that has bounced of a wall*) increasing the ratio of Direct sound versus reflected sound will result in better clarity.

A point Source would see	100%	of the boundary generate reflections from these surface
A Line Source would see	51%	of the boundary generate reflections from these surface



49%
Less room boundary
using Line Source
Speakers versus Point
Source for L&R &
Surround Channels

MORE CLARITY - Line Source provides more direct sound versus reflected sound

Wisdom Audio - Line Source Advantages

Allows you to hear more from the loudspeaker system and less from the room

Energy radiates very wide horizontally, but hardly at all vertically

Controlled vertical directivity virtually eliminates the most harmful effects of floor and ceiling reflections

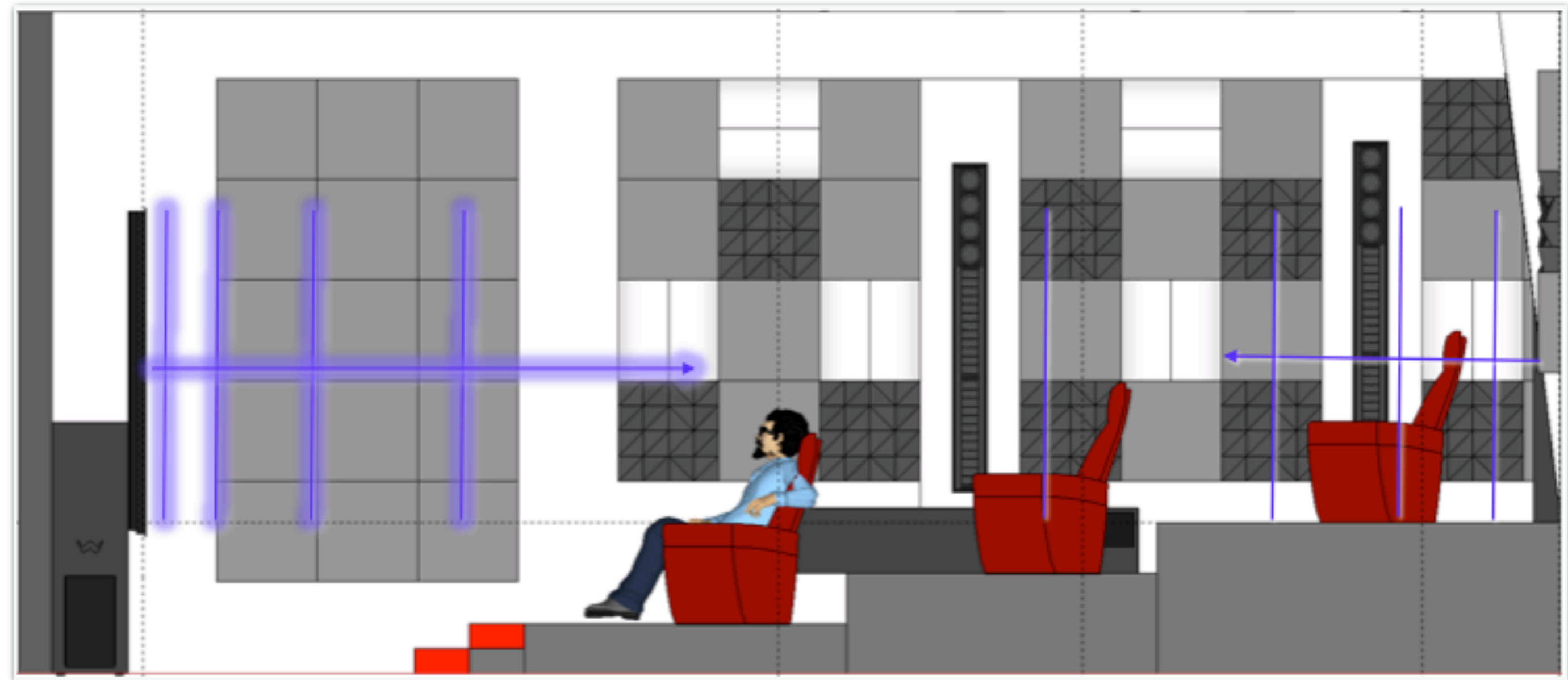
Enhanced clarity and superior intelligibility

More uniform sound level to each listener

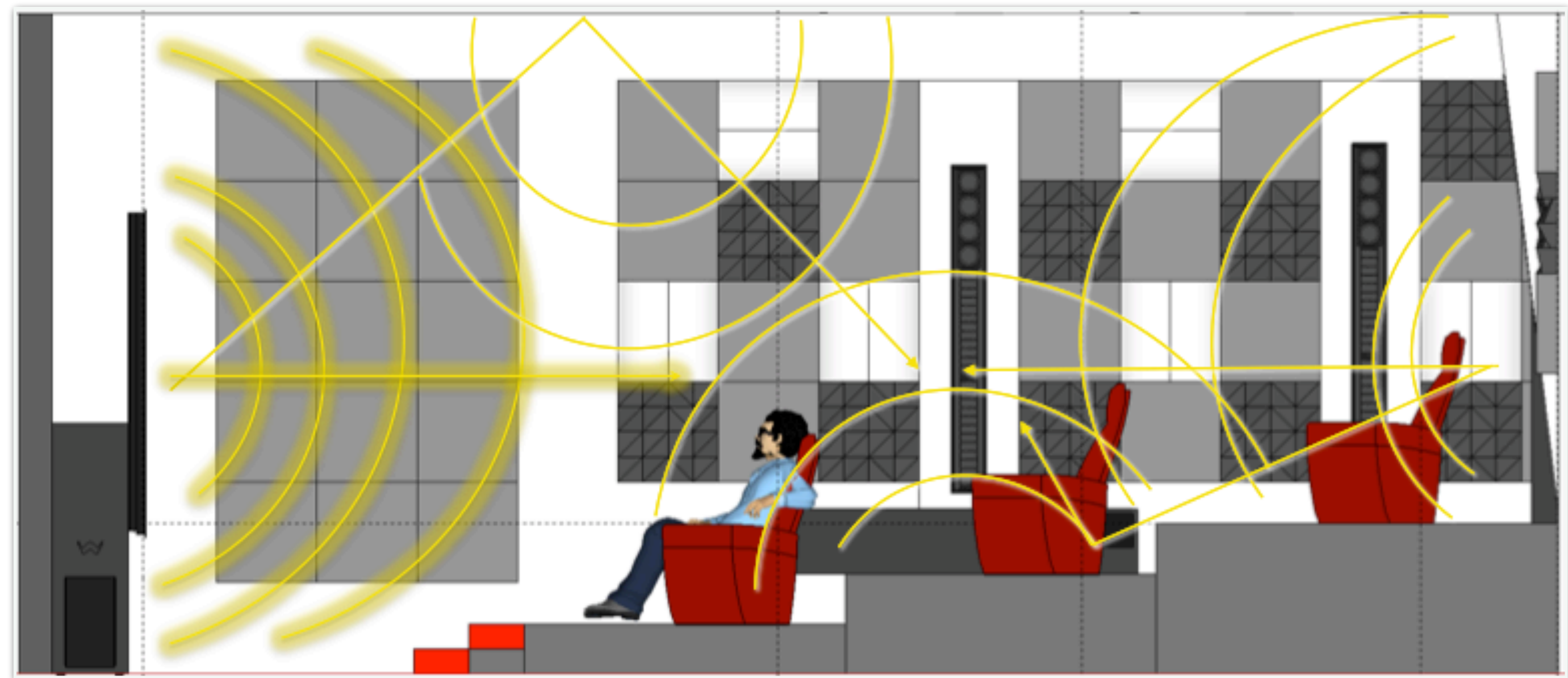
Every seat becomes a money seat

Every guest hears much the same volume and quality

LINE SOURCE



POINT SOURCE

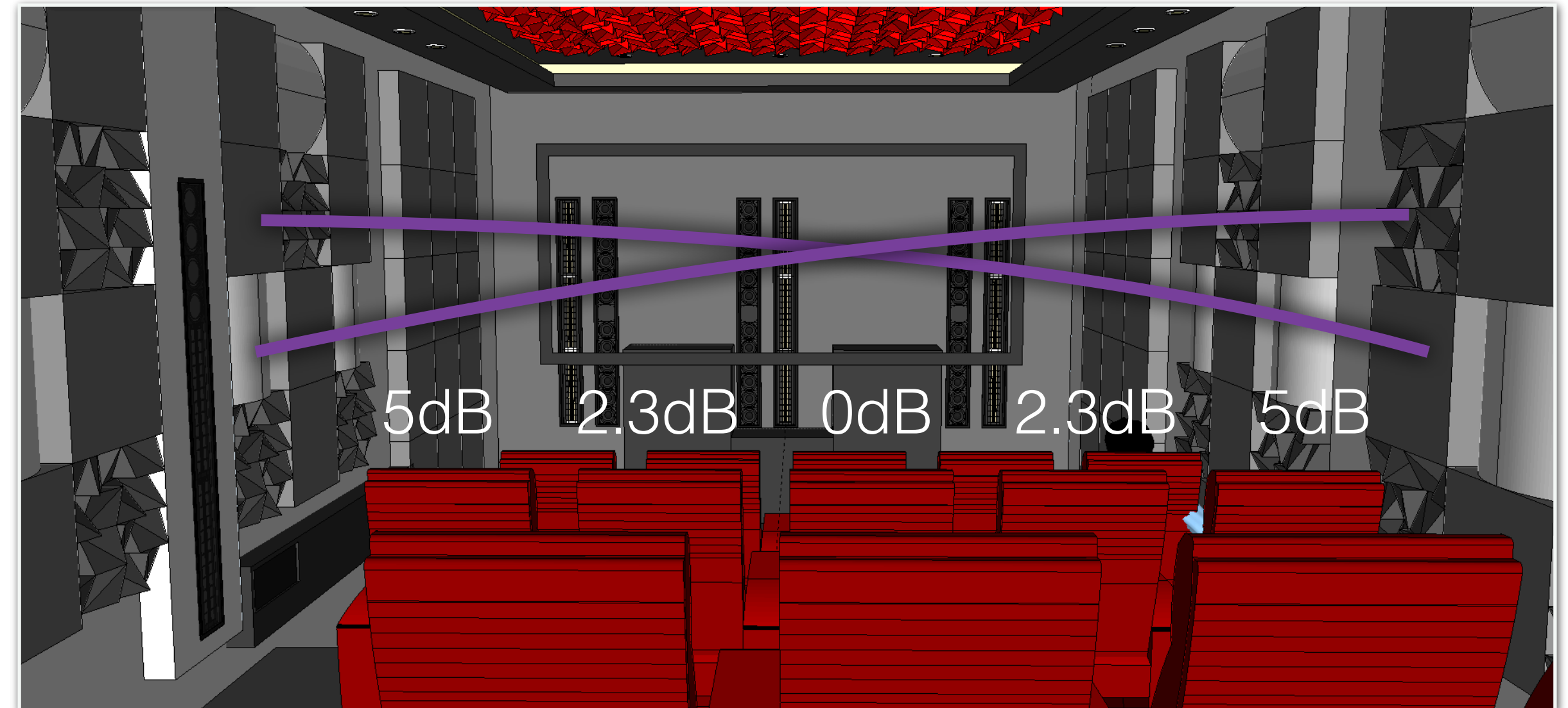


CLARITY

LINE SOURCE PROVIDES MORE DIRECT SOUND VERSUS REFLECTED SOUND

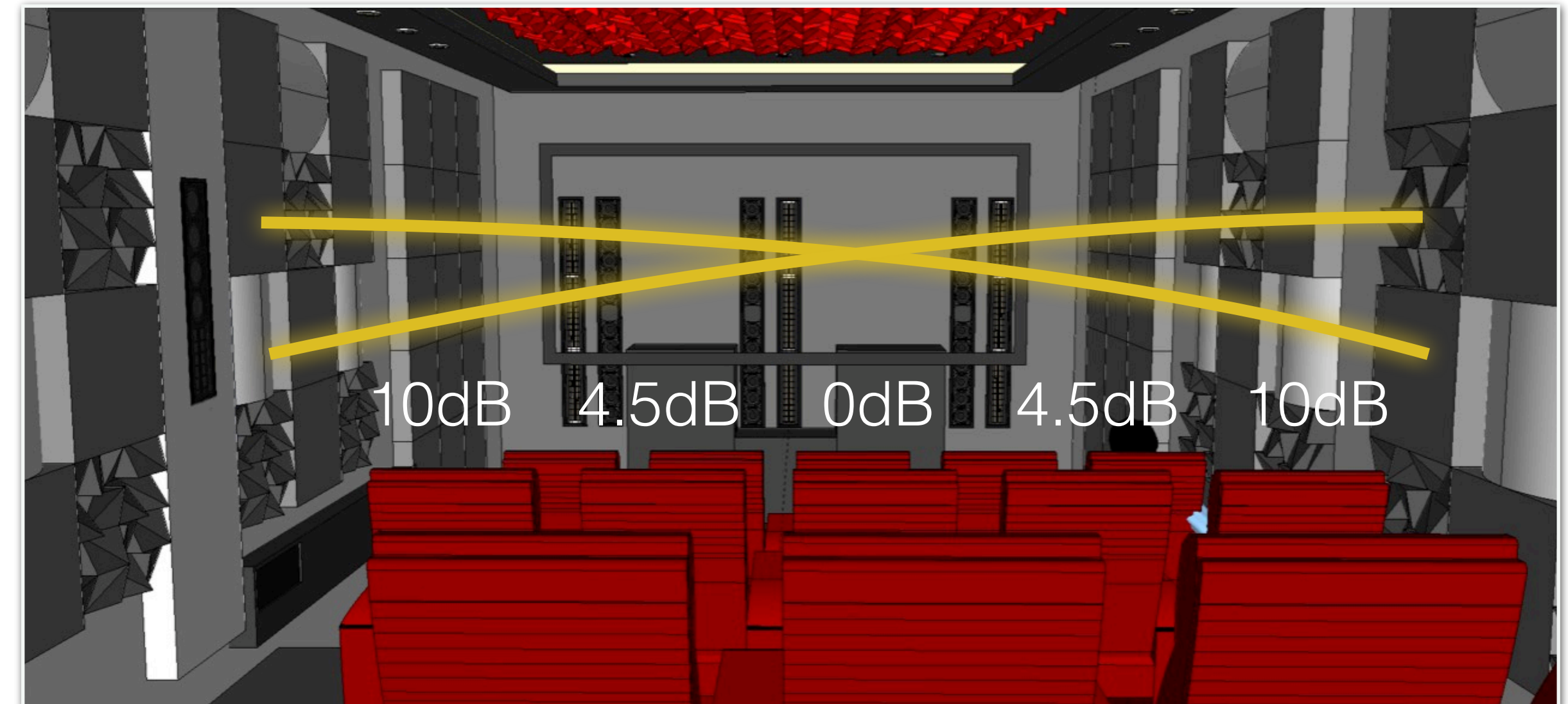
LINE SOURCE

TRUE LINE SOURCE (FLOOR TO CEILING)
INTERAURAL (LEFT/RIGHT EAR) SOUND LEVEL
DIFFERENCE IN THE DIRECT SOUND IN dB



POINT SOURCE

POINT SOURCE INTERAURAL SOUND
LEVEL DIFFERENCE IS DOUBLED



SENSORY ENVELOPMENT

SURROUND CHANNEL LINE SOURCE PROVIDES TWICE THE SEAT-TO-SEAT CONSISTENCY

Dr Floyd Toole: Sound Reproduction, Focal Press 2008, Chapter 16

LINE SOURCE 121 dB SPL

115 dB SPL

113 dB SPL

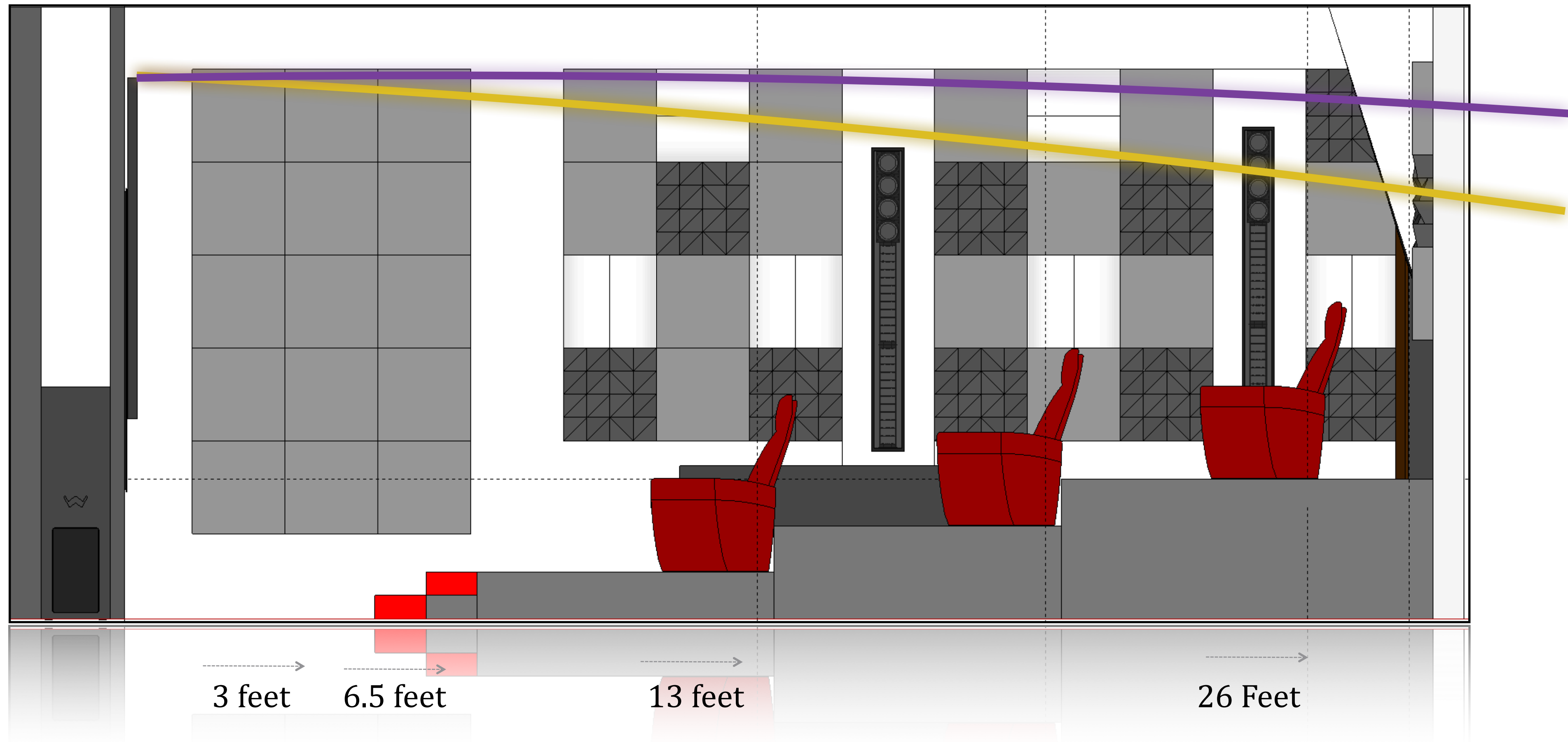
110 dB SPL

POINT SOURCE 121 dB SPL

109 dB SPL

106 dB SPL

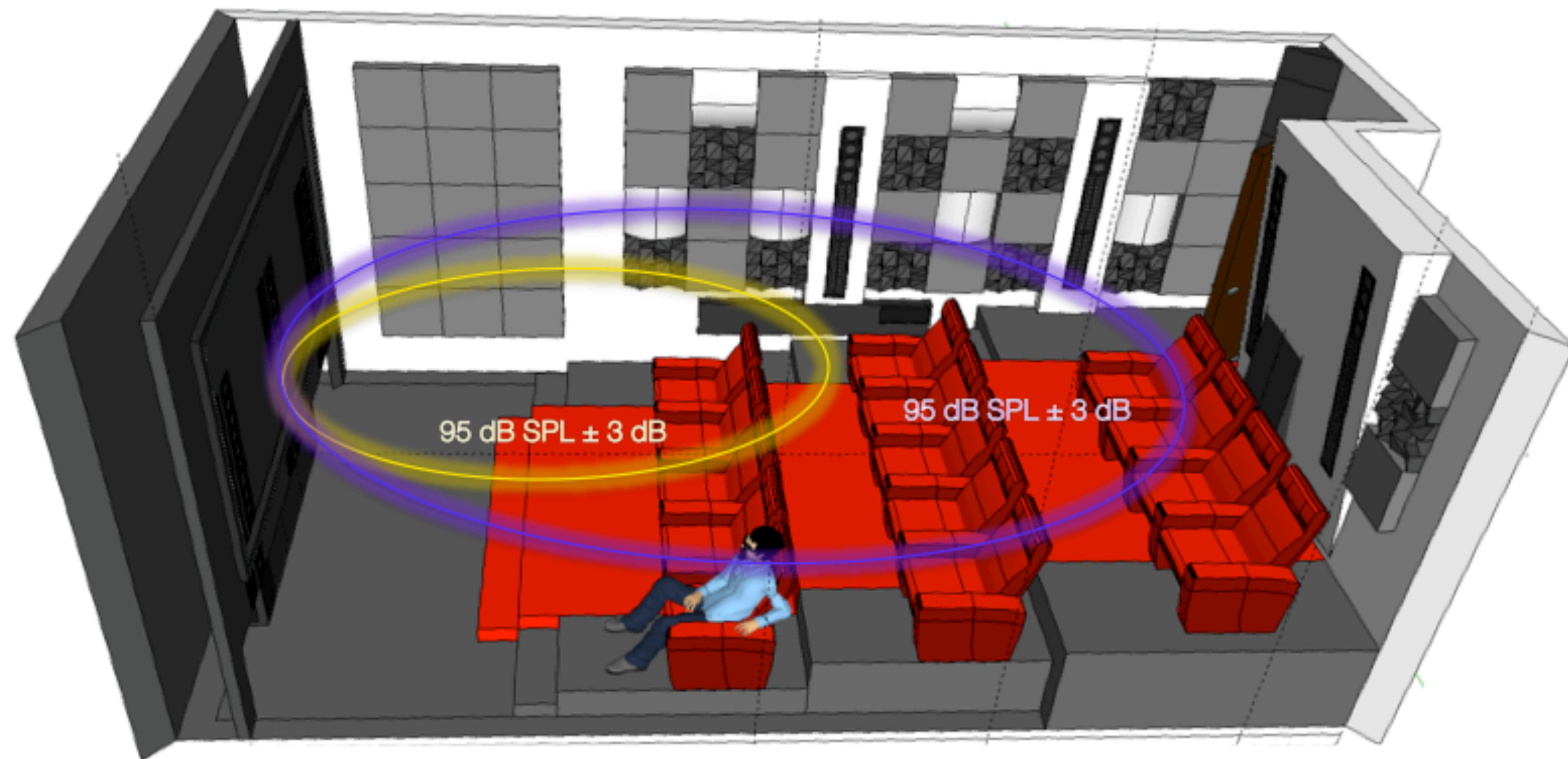
98 dB SPL



POWER OVER DISTANCE

LINE SOURCES HAVE 1/2 THE PROPAGATION LOSS OF POINT SOURCES, PROVIDING BETTER ROW-THROW CONSISTENCY

**Clarity +
Power Over Distance
= Sensory Envelopment**



POINT SOURCE

LINE SOURCE

A SHARED EXPERIENCE

LINE SOURCES PROVIDE A WIDER SWEET SPOT