

C U S T O M Q U O T E E X A M P L E S

**Large Dedicated Theater
&
Distributed Audio**

L a r g e D e d i c a t e d T h e a t e r



WISDOM®

Dealer
Logo



A B C A V

T h e a t e r X

Quotes & Speaker Layouts



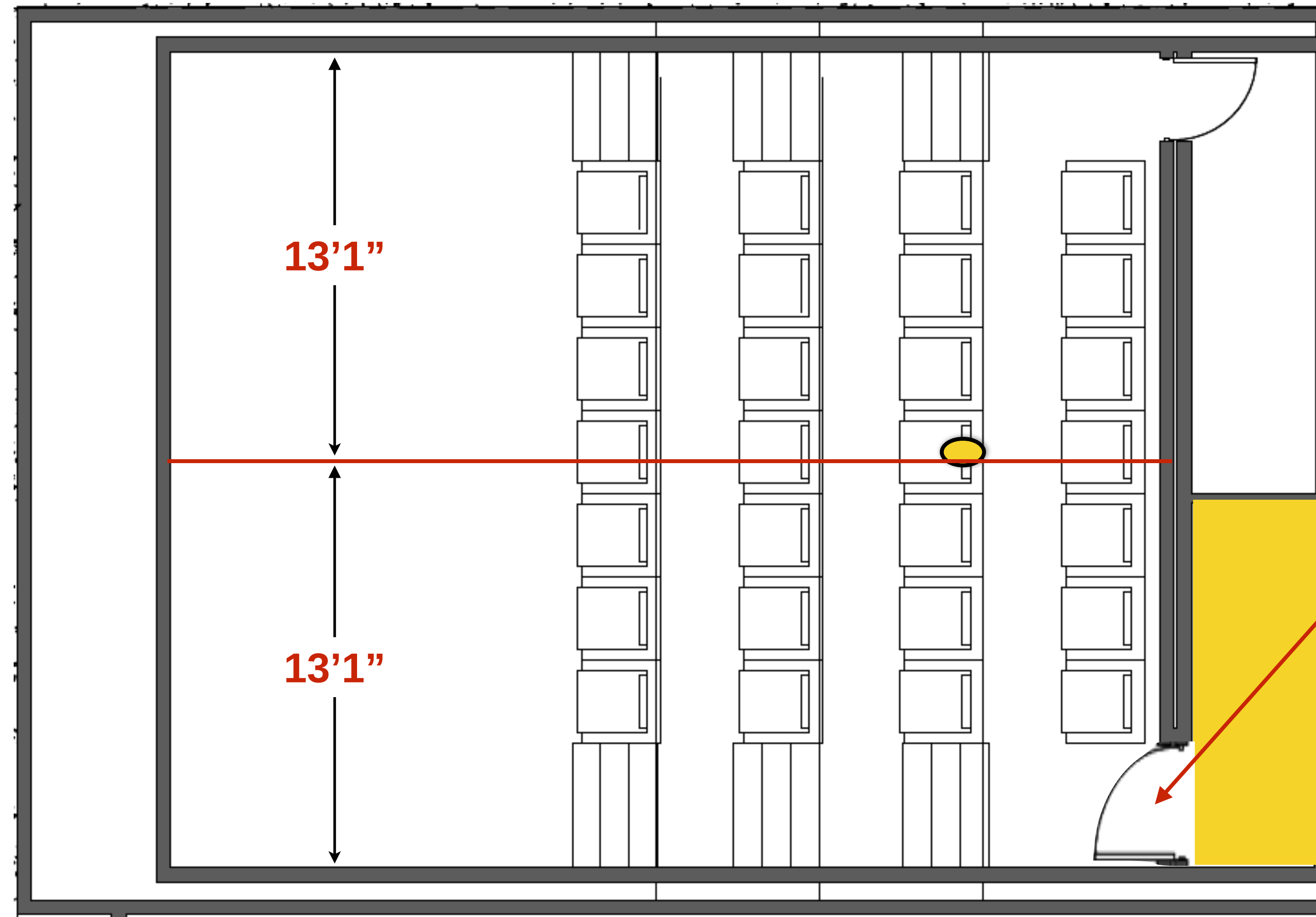
Quotes



	The VALUE System 11.4.8 Dolby ATMOS Consumer Theater	The GOOD System 11.4.8 Dolby ATMOS Consumer Theater	The BETTER System 17.4.10 Dolby ATMOS Digital Cinema Theater	The BEST System 17.4.10 Dolby ATMOS Digital Cinema Theater
Speaker Models	Front LCR Channels (3) Sage Cinema Line 4 Line Source Speakers Surround & Overhead Channels (8) Insight L8i Line Source for Side CH's (4) Sage Point 3 Point Source for Rear CH's (8) Sage ICS7a Point Source for Overhead CH's Subwoofers (2) STS RTL Subwoofers (Front) (2) STS RTL Subwoofers (Rear)	Front LCR Channels (3) Sage Cinema Line 5 Line Source Speakers Surround & Overhead Channels (8) Sage Cinema Line 2 Line Source for Side CH's (2) Sage-C Horizontal Line Source for Rear CH's (8) Sage ICS7a Point Source for Overhead CH's Subwoofers (4) STS RTL Subwoofers (Front) (2) STS RTL Subwoofers (Rear)	Front LCR Channels (3) Sage Cinema Line 5 Line Source Speakers Surround & Overhead Channels (10) Sage Cinema Line 3 Line Source for Side CH's (4) Sage-C Horizontal Line Source for Rear CH's (10) Sage Point 3 Point Source for Overhead CH's Subwoofers (4) STS RTL Subwoofers (Front) (2) STS RTL Subwoofers (Rear)	Front LCR Channels (6) Wisdom Series LS3i Stacked Line Source Speakers Surround & Overhead Channels (10) Wisdom Series LS3i Line Source for Side CH's (4) Sage-C Horizontal Line Source for Rear CH's (10) Sage Point 3 Point Source for Overhead CH's Subwoofers (4) STS RTL Subwoofers (Front) (4) STS RTL Subwoofers (Rear)
Electronics & Cables	(12) SA-3 Amplifiers (1) SC-2 System Controller with Dirac Room EQ (1) SC-3 System Controller with Dirac Room EQ (1) WWK-BB2 custom wire kit for SC-2 (1) WWK-BB3 custom wire kit for SC-3	(16) SA-3 Amplifiers (1) SC-2 System Controller with Dirac Room EQ (1) SC-3 System Controller with Dirac Room EQ (1) WWK-BB2 custom wire kit for SC-2 (1) WWK-BB3 custom wire kit for SC-3	(20) SA-3 Amplifiers (2) SC-3 System Controller with Dirac Room EQ (2) WWK-BB3 custom wire kit for SC-3	(1) SA-2 Amplifier (20) SA-3 Amplifiers (2) SC-3 System Controller with Dirac Room EQ (2) WWK-BB3 custom wire kit for SC-3
Services	(1) Custom Factory System Calibration & Room Commissioning	(1) Custom Factory System Calibration & Room Commissioning	(1) Custom Factory System Calibration & Room Commissioning	(1) Custom Factory System Calibration & Room Commissioning
System Total (MSRP)	\$296,800	\$399,000	\$559,400	\$841,400
System Advantages & Benefits	- Great Wisdom Audio Signature Sound - Clarity and details using Planar Magnetic Drivers (PMD) - Planar Magnetic Drivers cover 6 Octaves for LCR, 6 Octaves for Sides, 5 Octaves for Rear and Overhead Channels - Articulated 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 VALUE System attributes plus... - The GOOD system upgrades the LCR Channels to using the Line 5's for added vertical line source coverage - The GOOD system upgrades all Side Surround Channels to using the Sage Cinema Series Line 2's. This will provide improved clarity and dynamics. - The GOOD system upgrades the Rear Channels to the Sages Cinema Horizontal Line Source for then ultimate in dynamics and SPL coverage over distance - The GOOD system adds an additional two STS RTL Subwoofers in the front of the room for additional low frequency dynamics needed for this size of room	All the GOOD System attributes plus... - The BETTER system upgrades all Surround Channels to using the Line 3's for additional vertical coverage, dynamics and system clarity - The BETTER system upgrades the Overhead Channels to the Sages Cinema Series Point 3 or improved output and clarity - The BETTER System adds additional Side and Rear Channels to meet the Dolby Digital Cinema Specification	All the BETTER System attributes plus... - LCR & Side Channel Planar Magnetic Drivers now cover 8 Octaves by upgrading to the Wisdom Series LS3i's. This will also provide the absolute BEST playback clarity and dynamics - The BEST system add an additional pair of STS RTL Subwoofers to the rear of the room providing the most dynamic and stunning low frequency available anywhere

Special Note: Quote Pricing Good for 90-Days

The following Elevation and Overhead Speaker Layouts are for the “Theater X”



Suggestion: It is strongly recommended to place a door at the entrance of the theater.

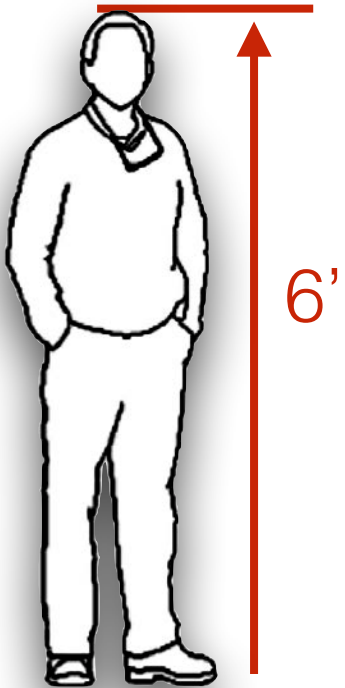
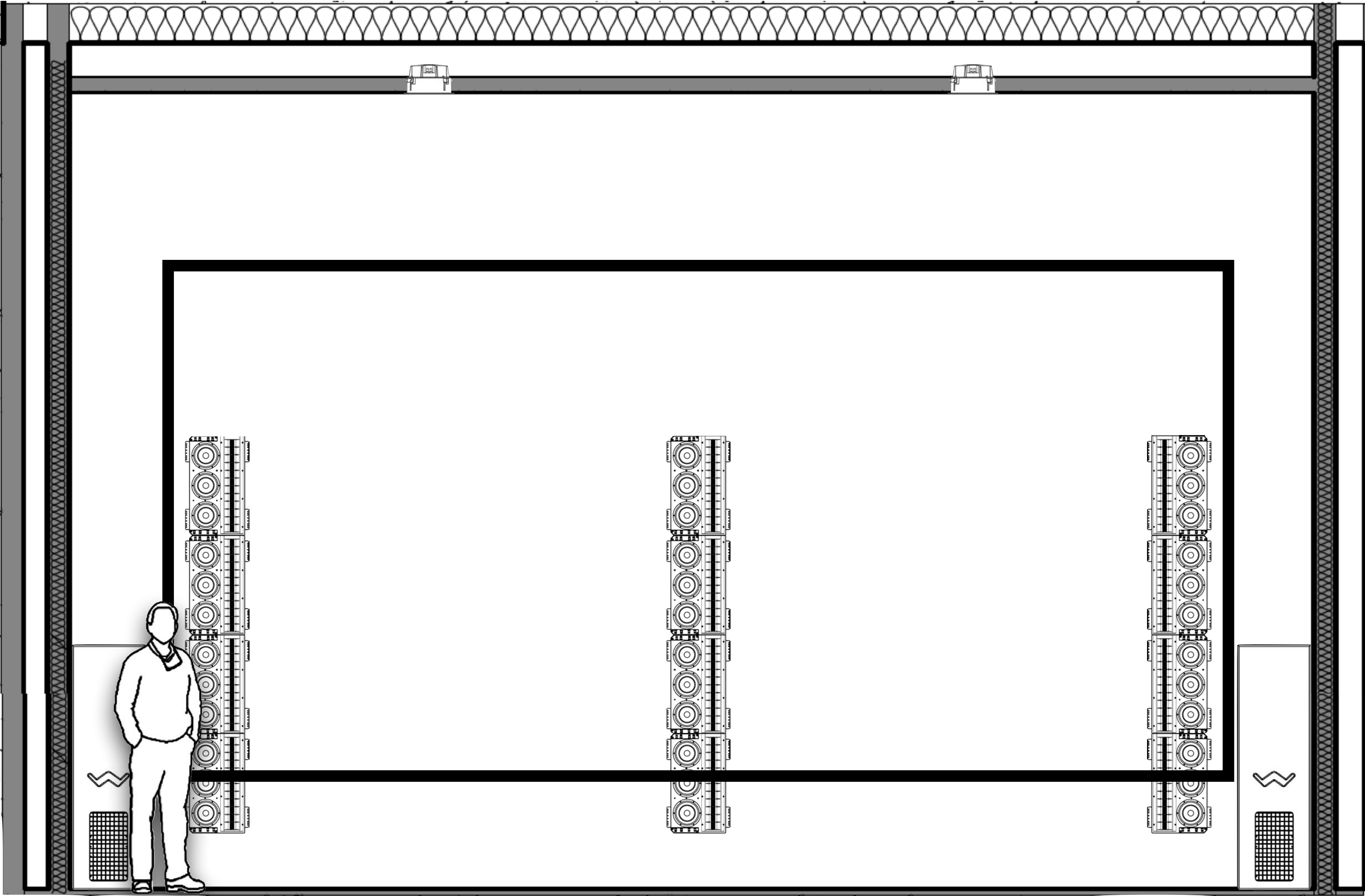
If there is no door here the area in yellow will become a bass trap which will greatly effect the low frequency performance of the room

Room Notes: The Center Seat is offset right of center point in the room



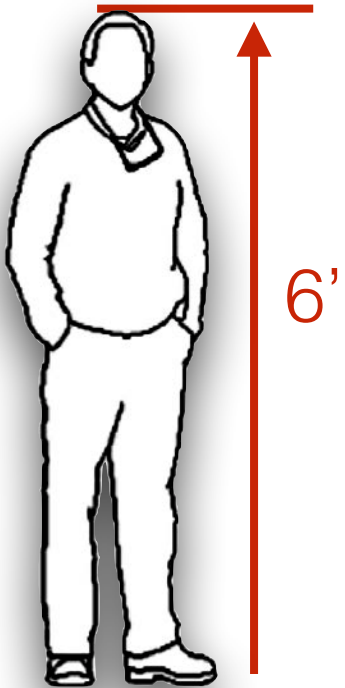
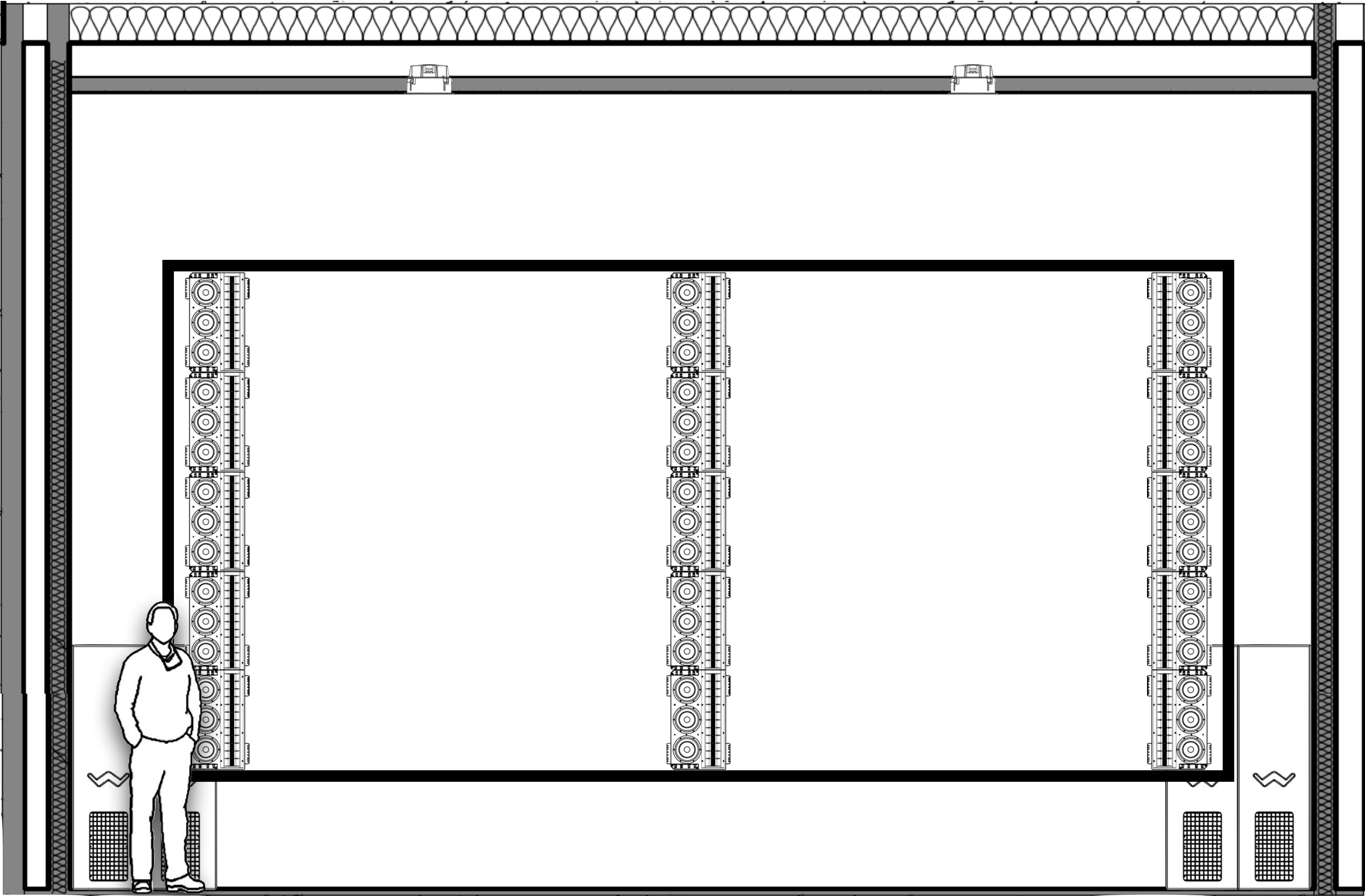
Front Wall Elevations

Dealer
Logo



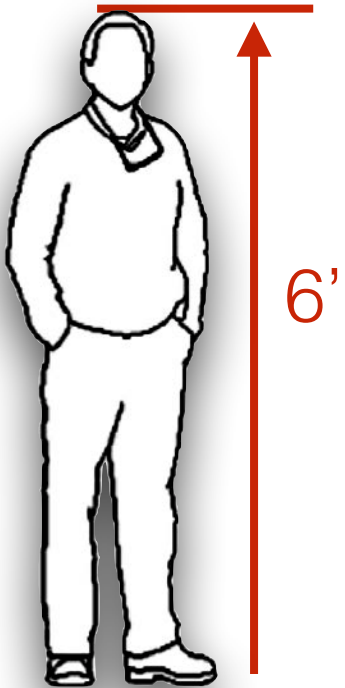
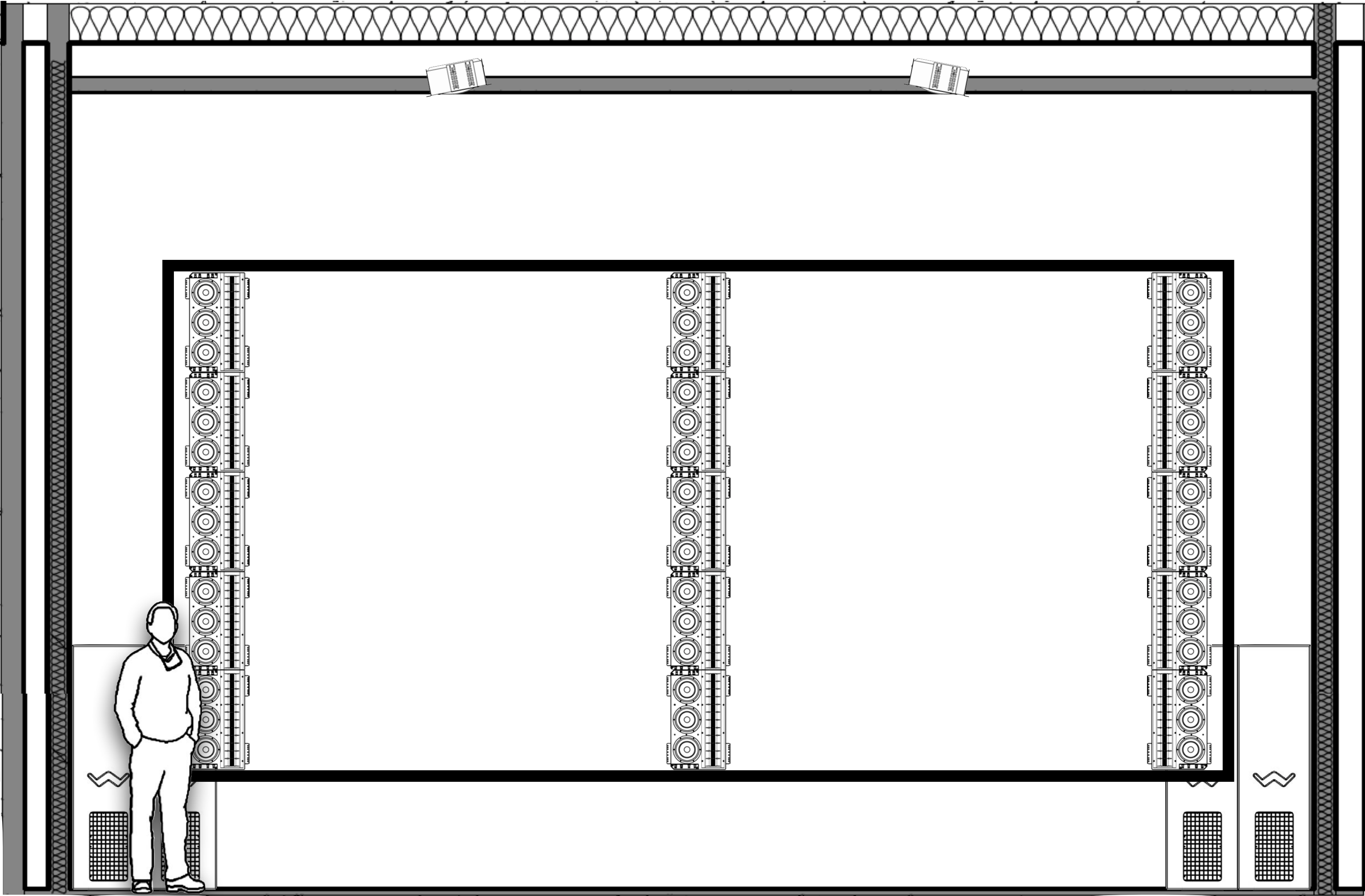
Front Wall Speaker Layout - *VALUE*

Dealer
Logo



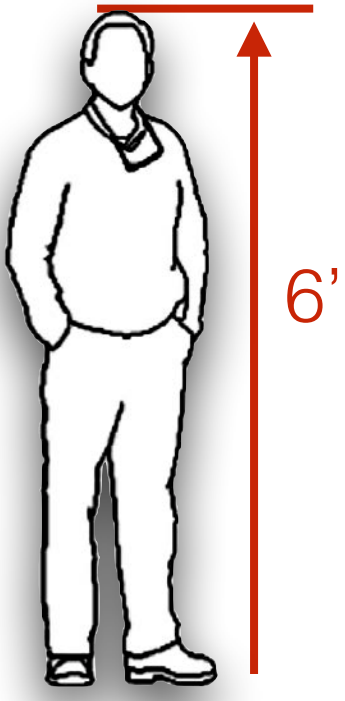
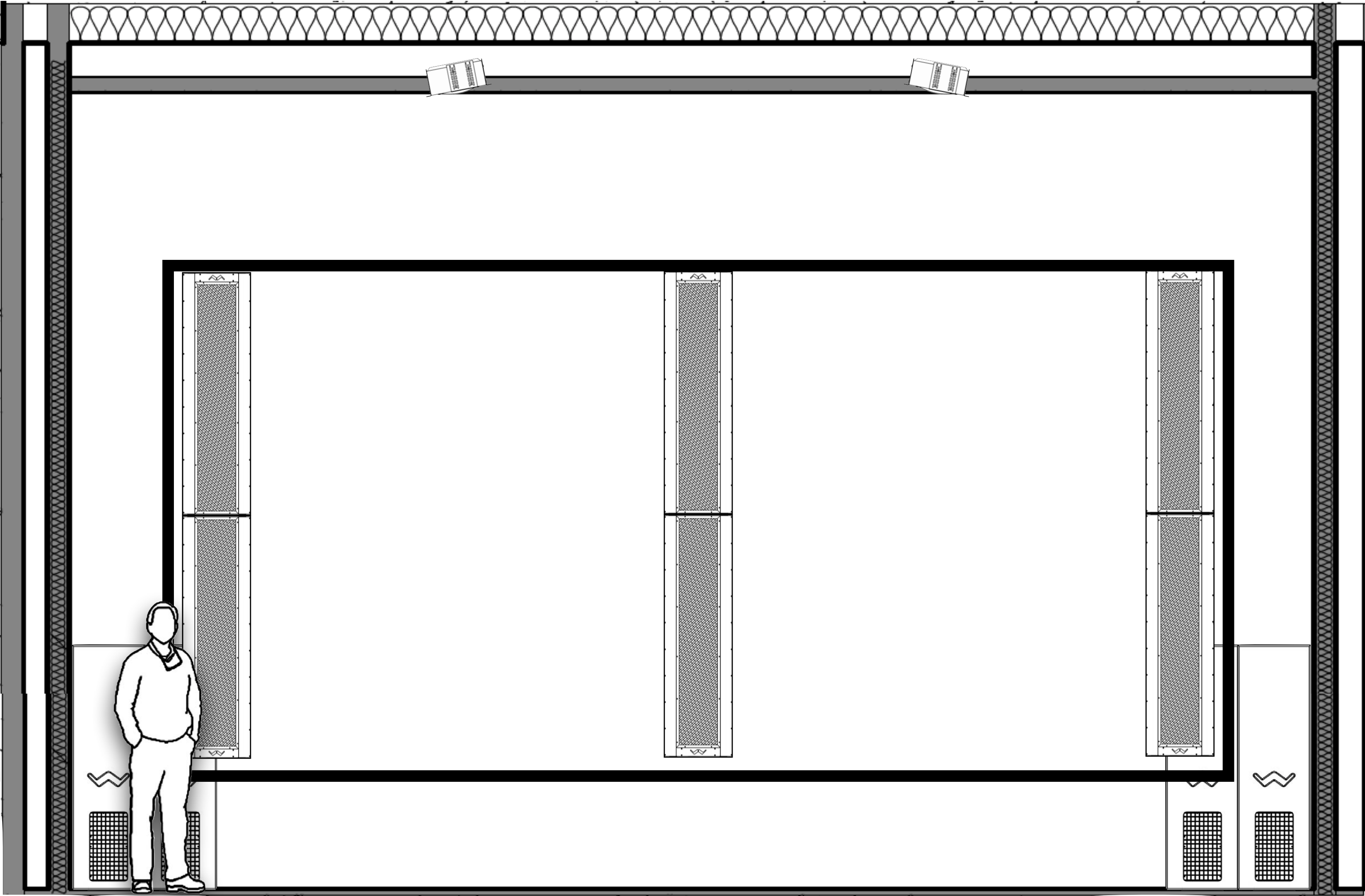
Front Wall Speaker Layout - *GOOD*

Dealer
Logo



Front Wall Speaker Layout - *BETTER*

Dealer
Logo



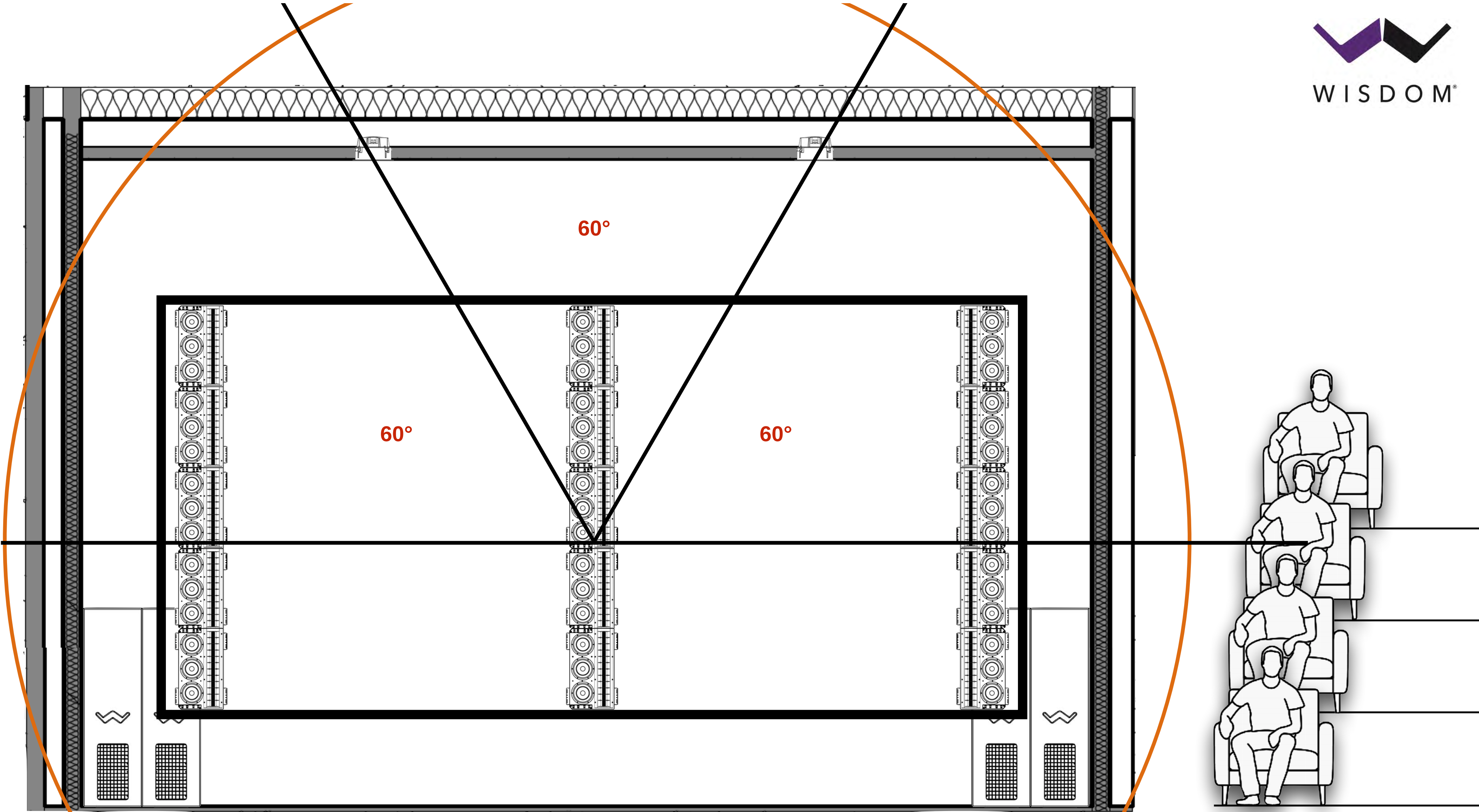
Front Wall Speaker Layout - *BEST*

Dealer
Logo



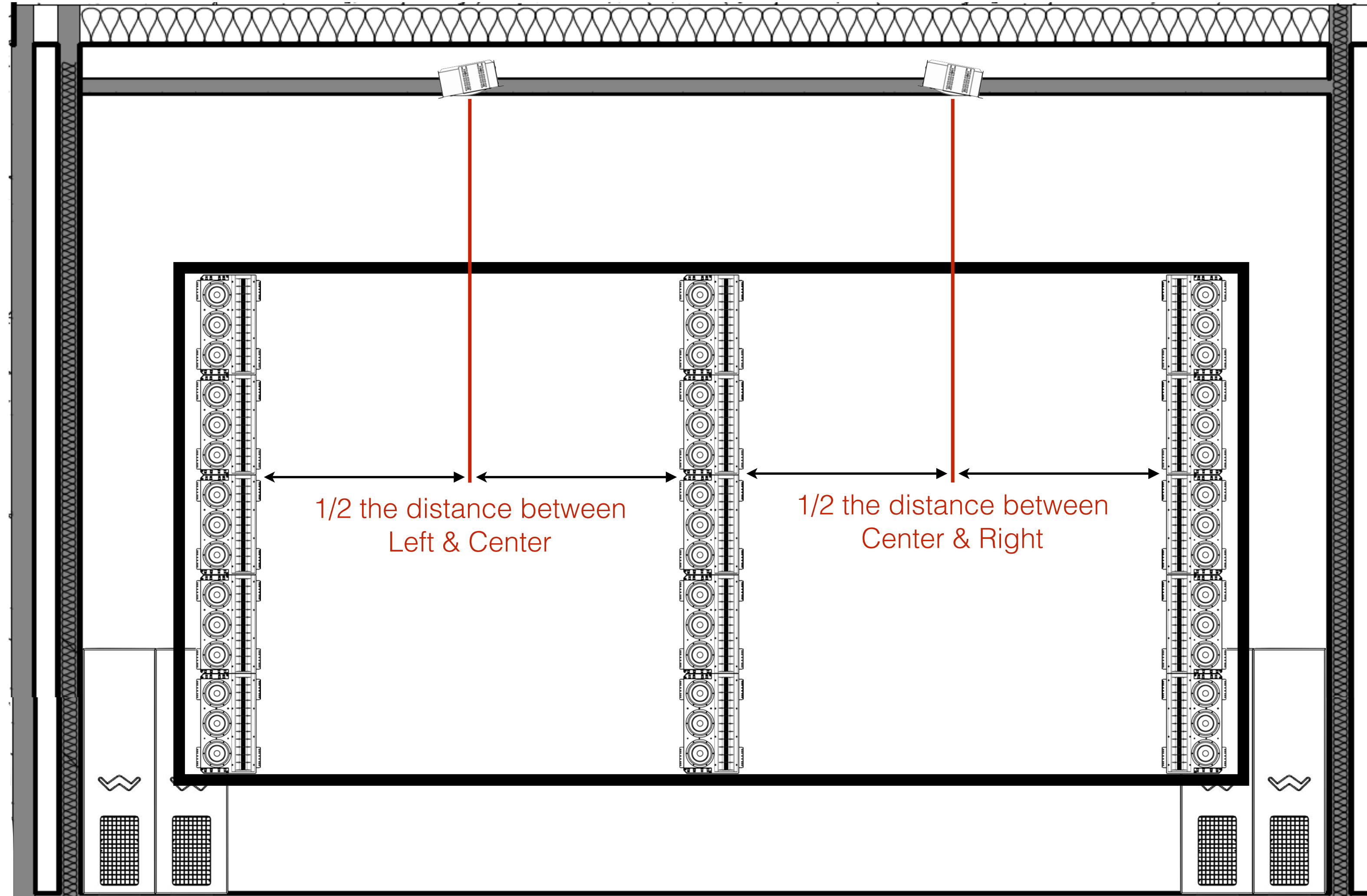
S c r e e n D i s t a n c e & A t m o s L a y o u t A l i g n m e n t

Dealer
Logo



Front Wall Speaker Layout for Dolby Consumer ATMOS

Dealer
Logo



Front Wall Speaker Layout for Dolby Digital Cinema 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

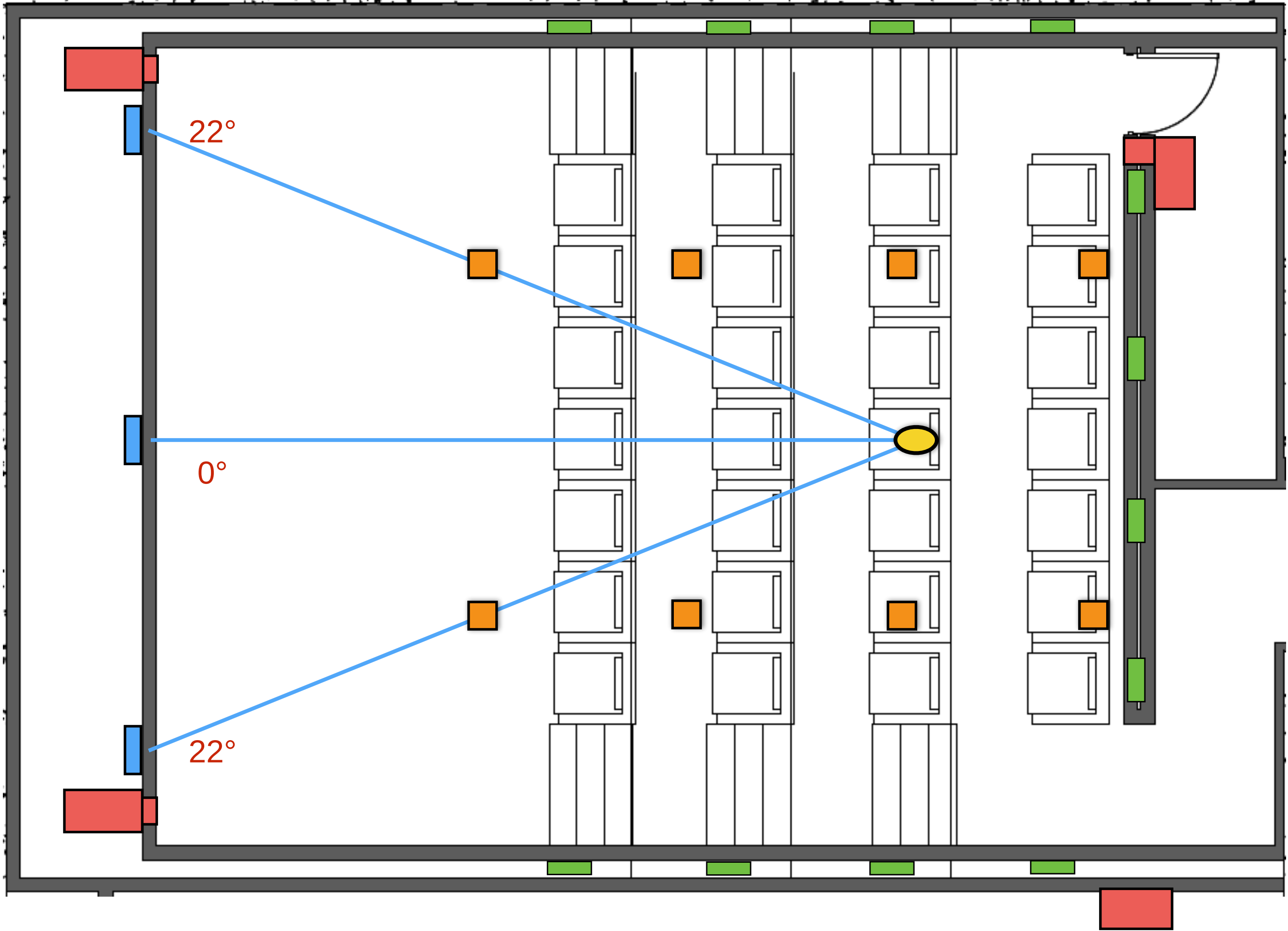
Microperf Screens:

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

Overhead Speaker Layouts

-  = LCR CH's
-  = Side & Rear CH's
-  = Overhead CH's
-  = Subwoofers
-  = Reference Listening Point

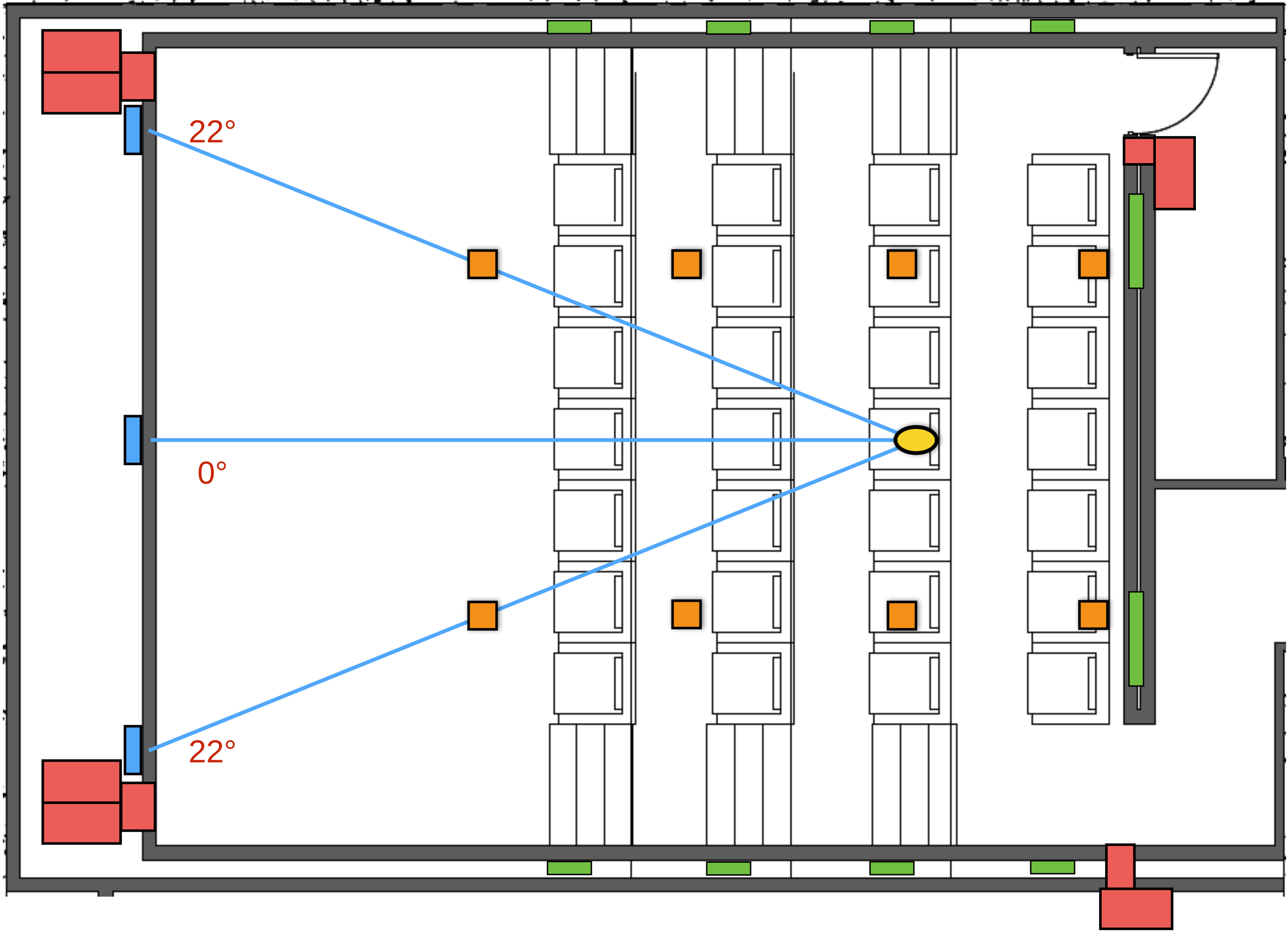


Overhead Speaker Layout - *VALUE*

Dealer
Logo

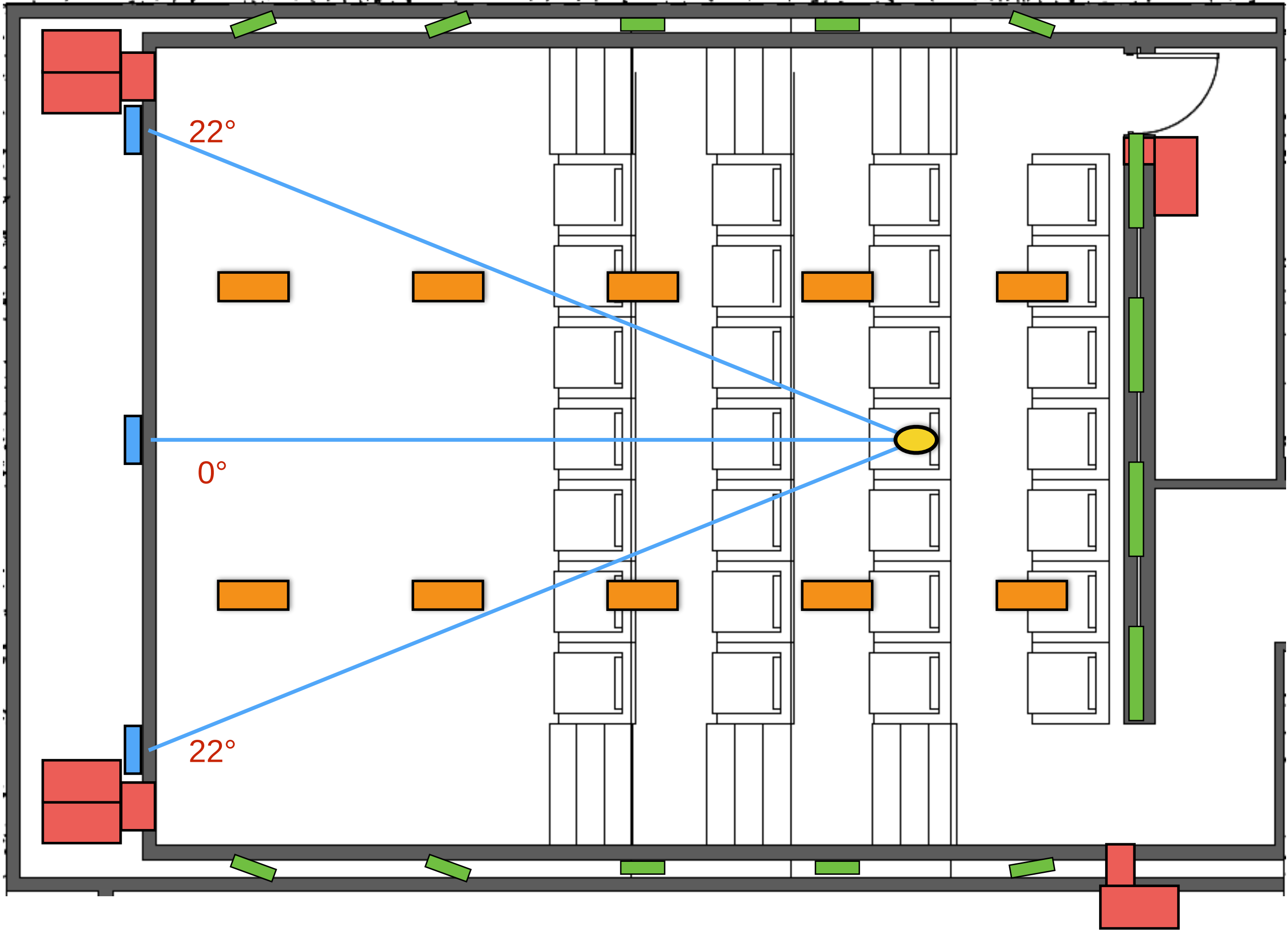


-  = LCR CH's
-  = Side & Rear CH's
-  = Overhead CH's
-  = Subwoofers
-  = Reference Listening Point



Overhead Speaker Layout - *GOOD*

-  = LCR CH's
-  = Side & Rear CH's
-  = Overhead CH's
-  = Subwoofers
-  = Reference Listening Point

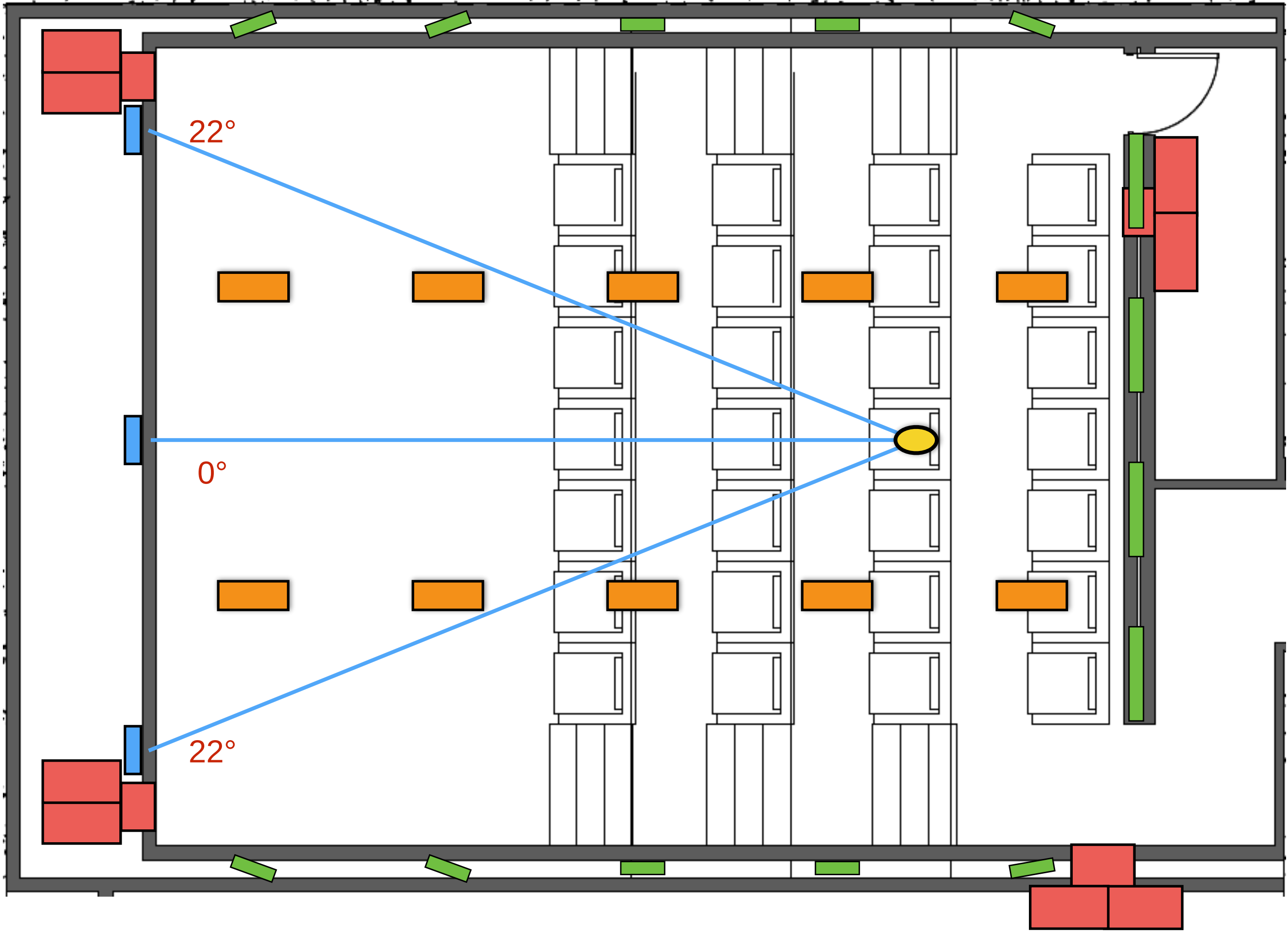


Overhead Speaker Layout - *BETTER*

Dealer
Logo



-  = LCR CH's
-  = Side & Rear CH's
-  = Overhead CH's
-  = Subwoofers
-  = Reference Listening Point



Overhead Speaker Layout - *BEST*

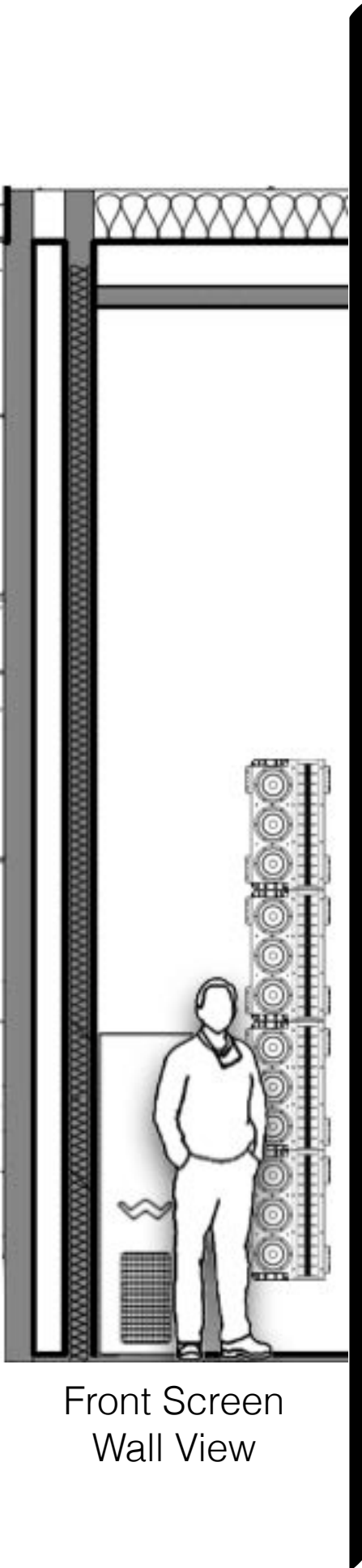


Side & Rear Wall Elevations

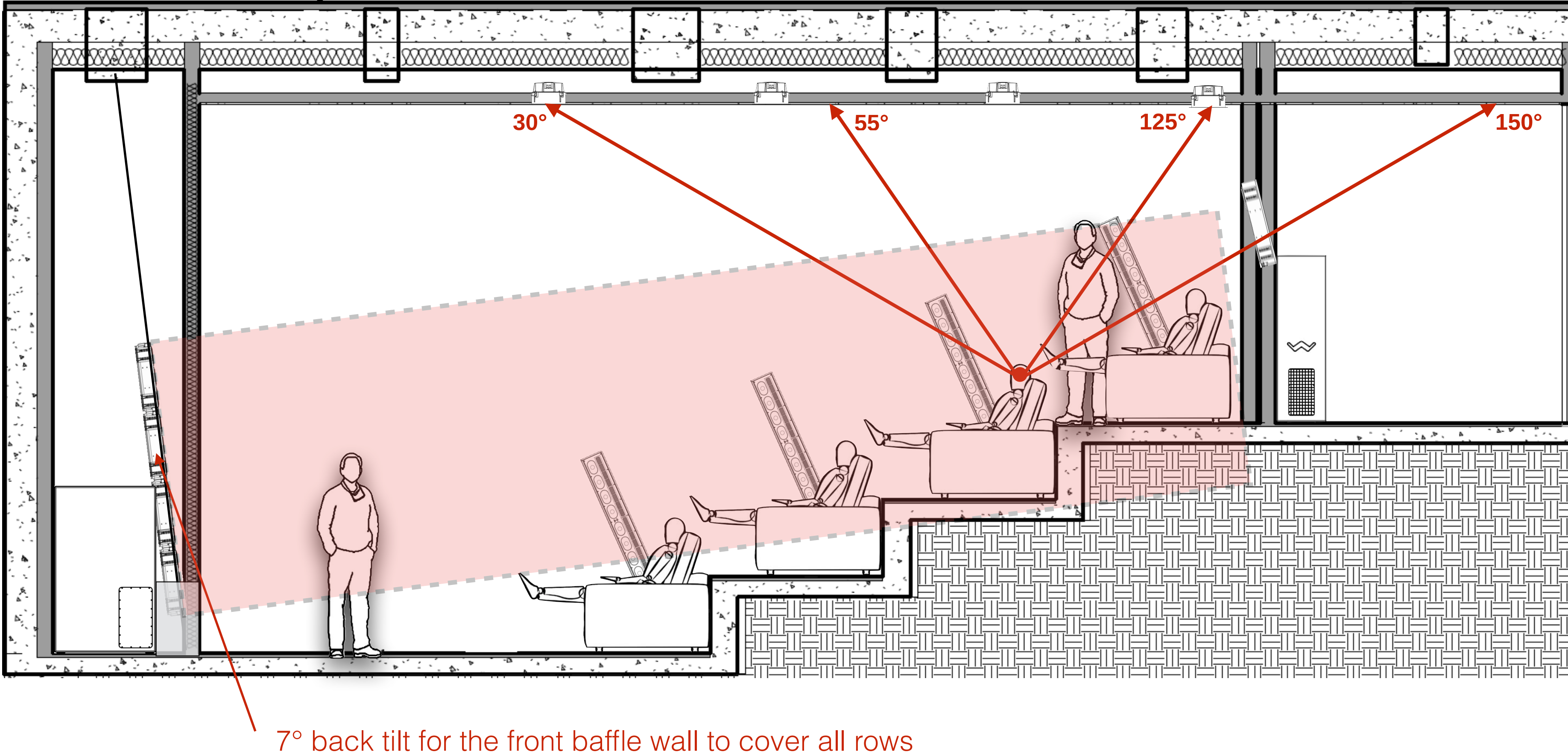
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation



Front Screen
Wall View

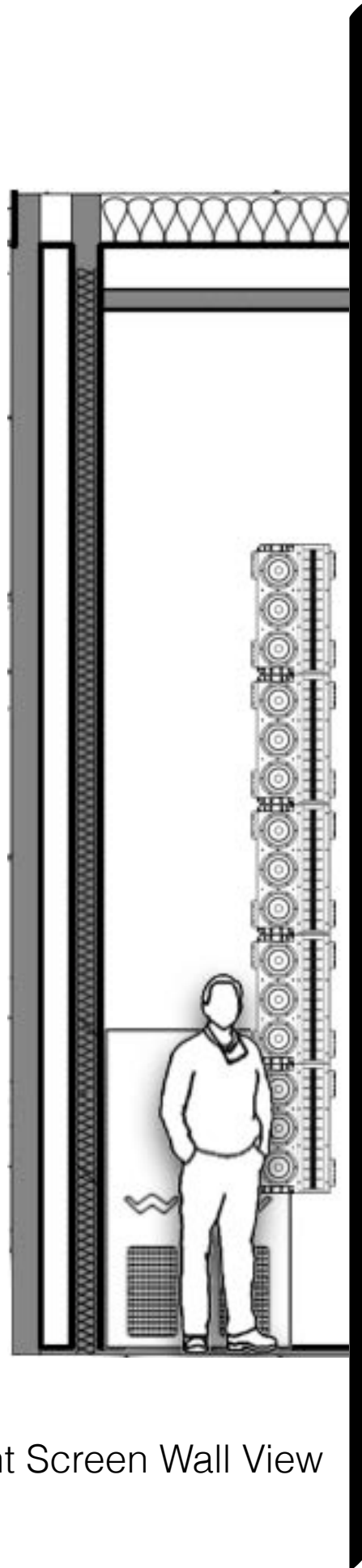


Right Side Wall Elevation Speaker Layout - **VALUE**

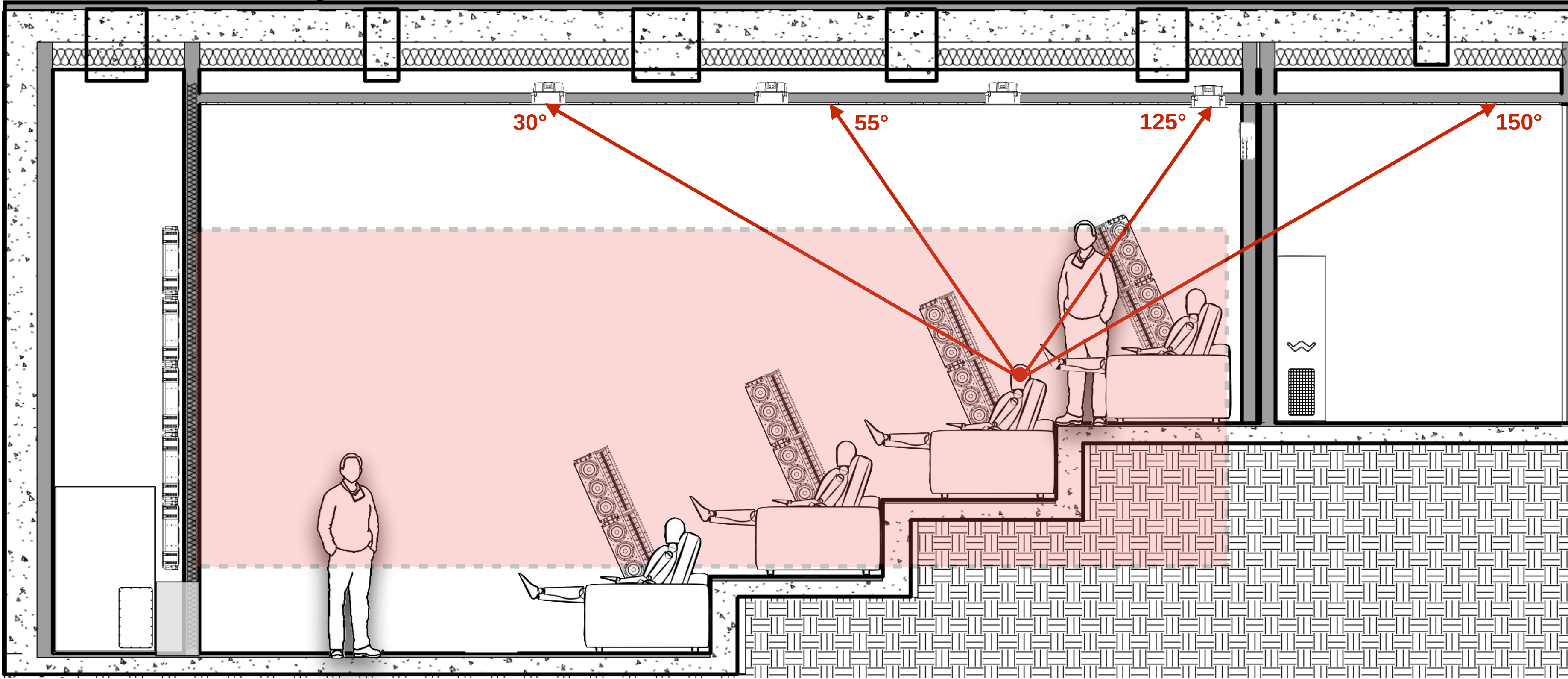
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation



Front Screen Wall View

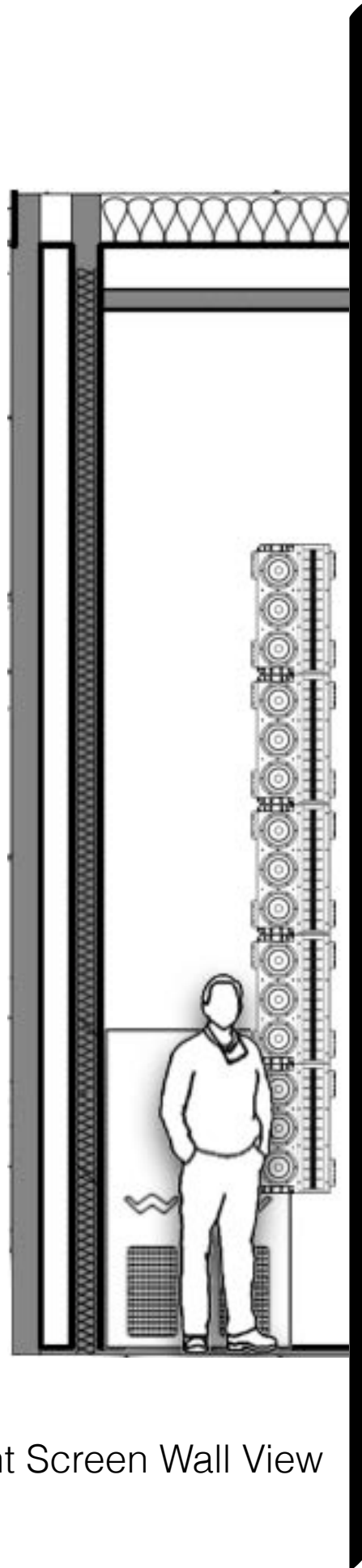


Right Side Wall Elevation Speaker Layout - *GOOD*

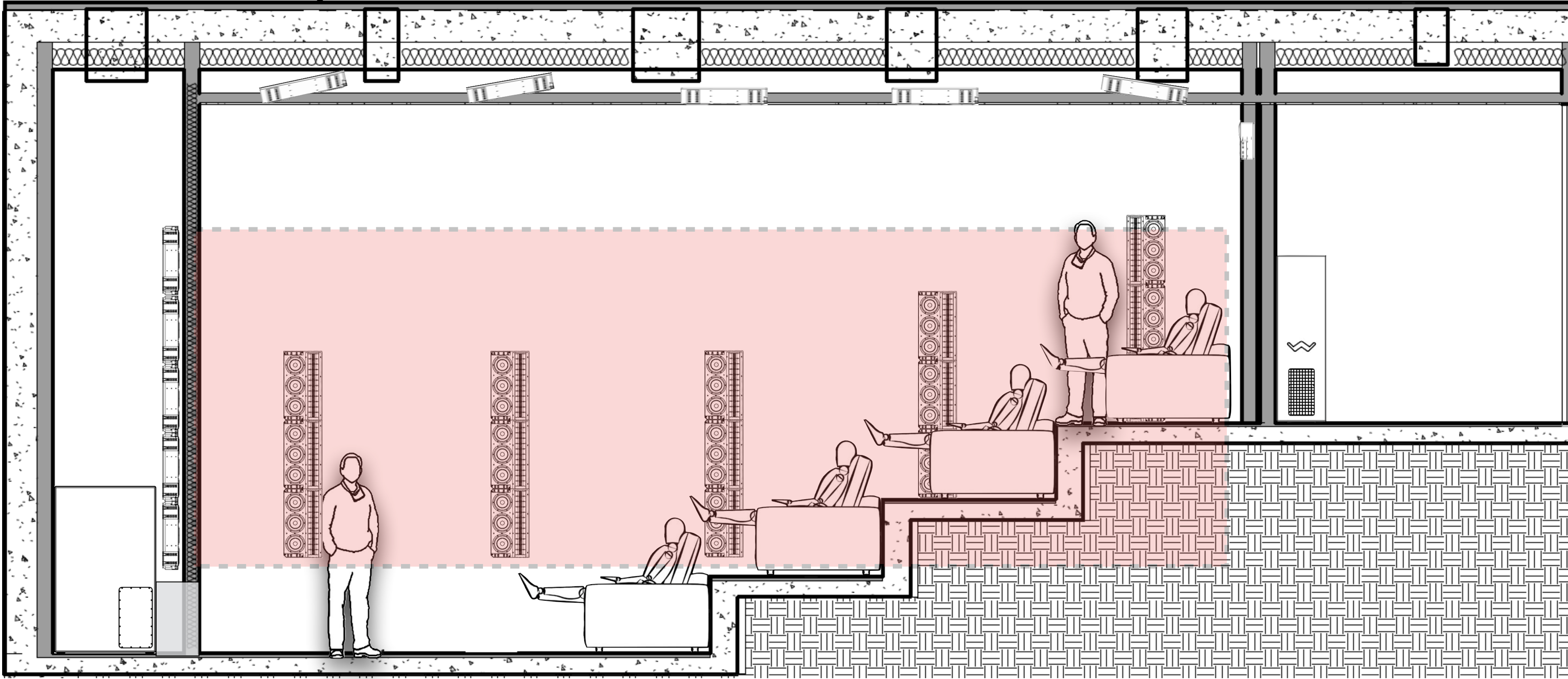
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation



Front Screen Wall View

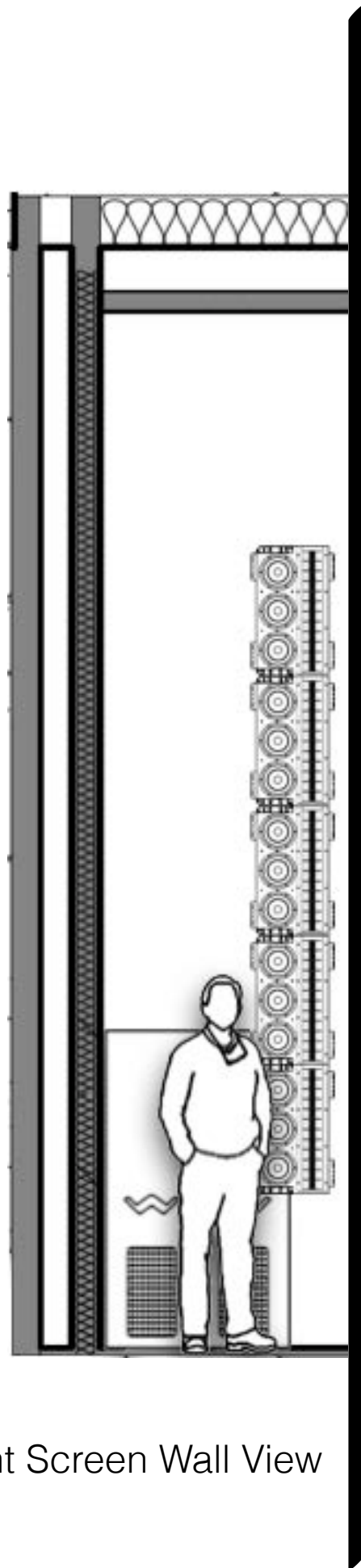


Right Side Wall Elevation Speaker Layout - ***BETTER** Side Channel Layout Option #1*

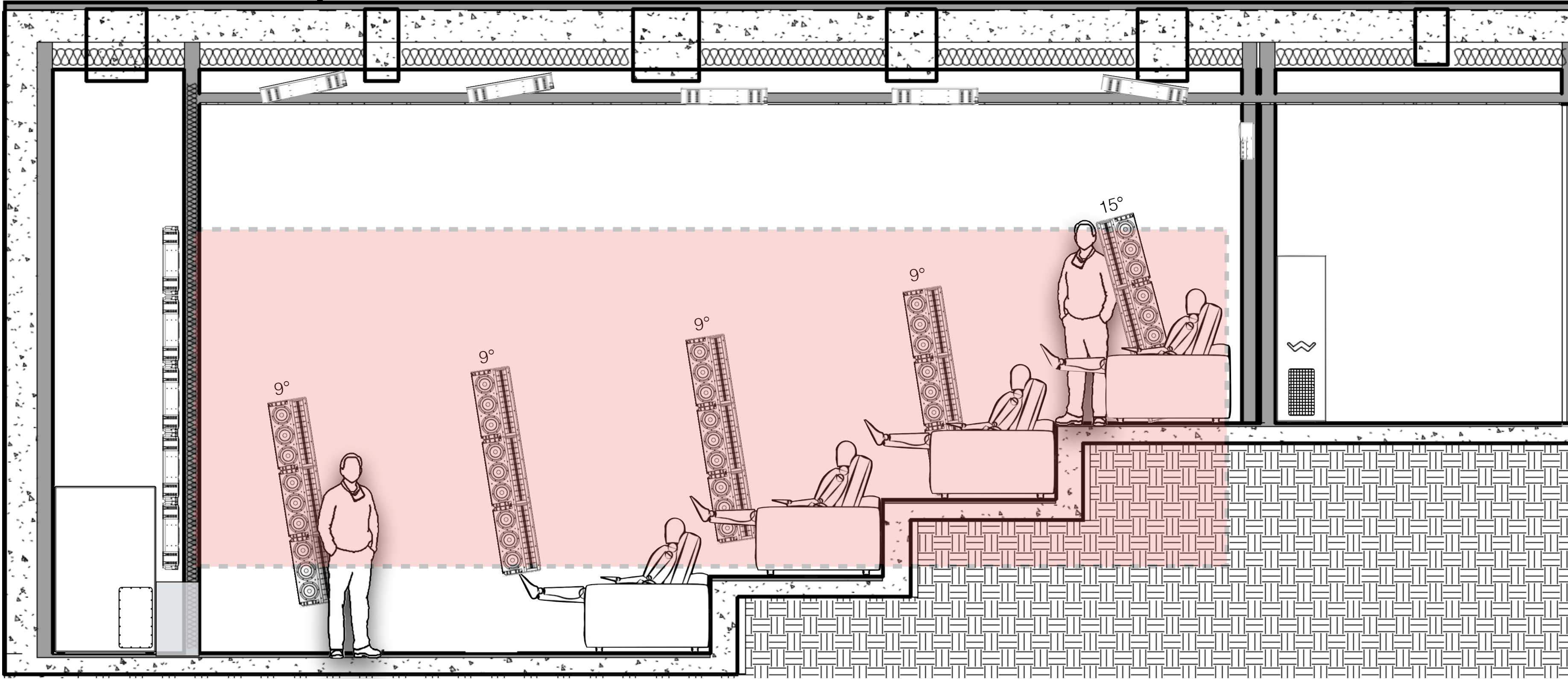
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation



Front Screen Wall View

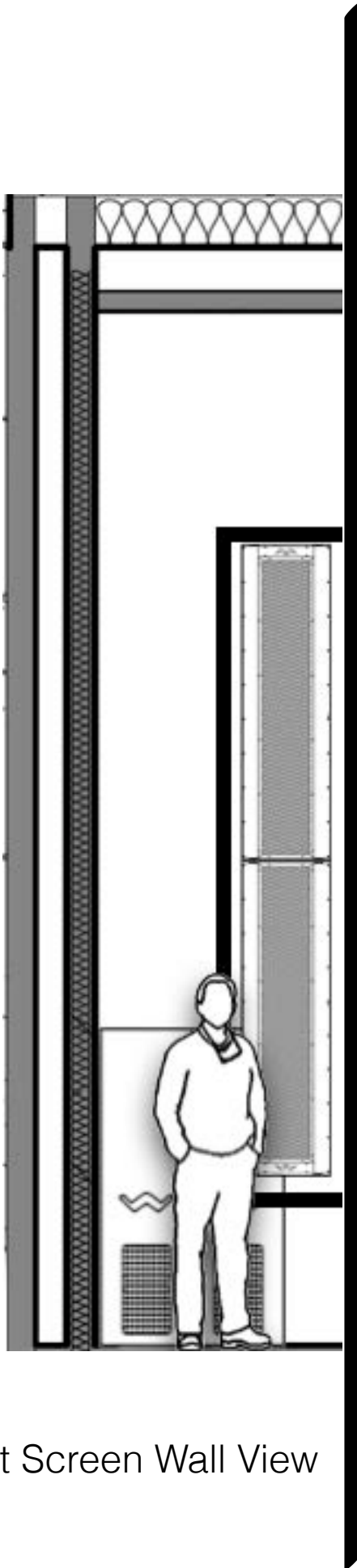


Right Side Wall Elevation Speaker Layout - ***BETTER** Side Channel Layout Option #2*

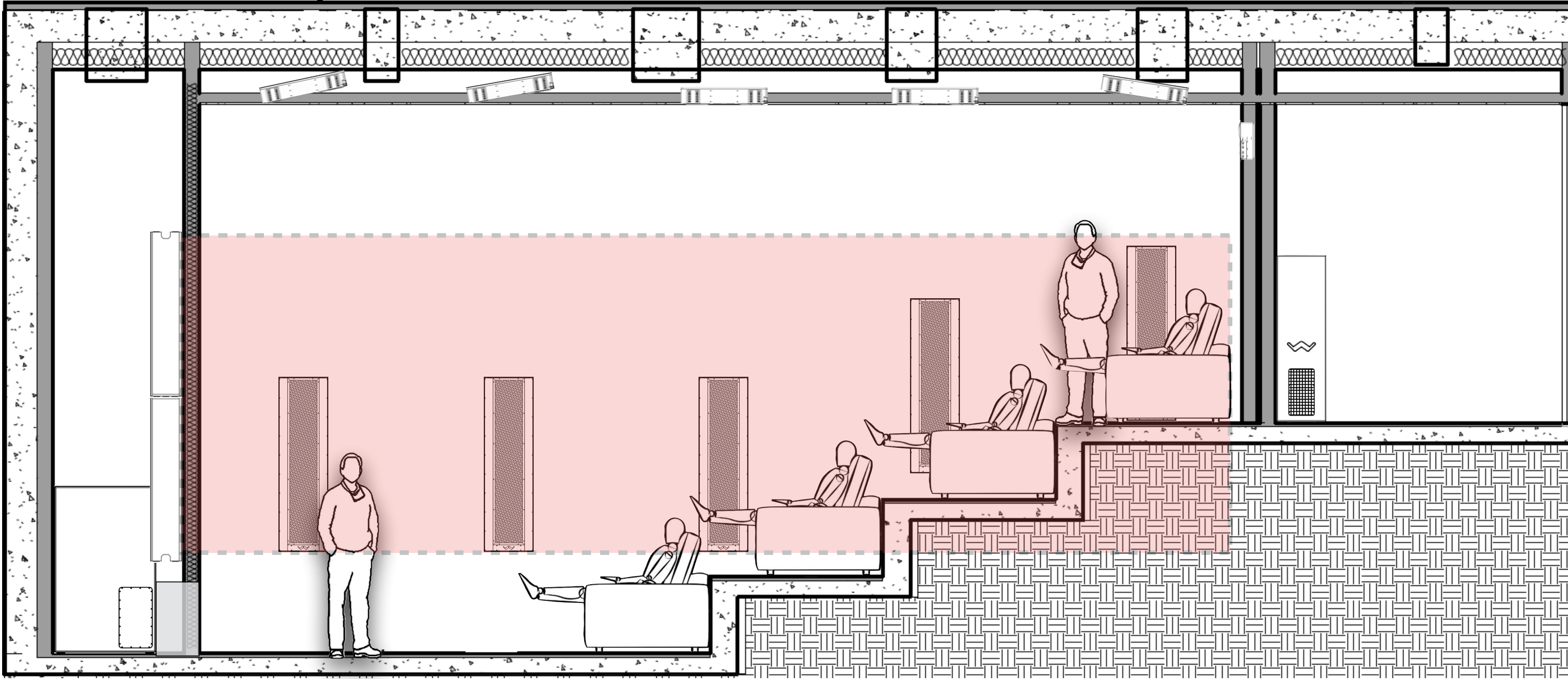
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation



Front Screen Wall View

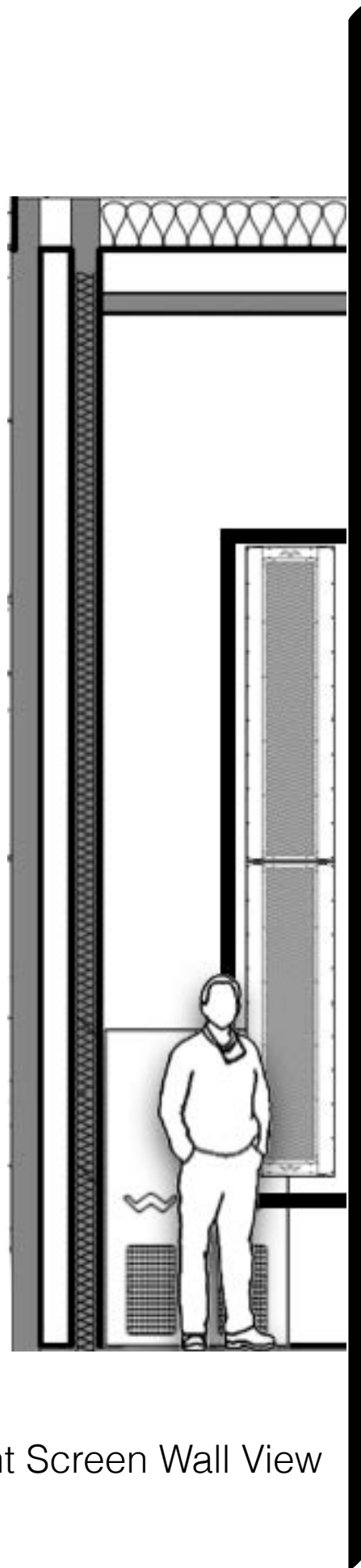


Right Side Wall Elevation Speaker Layout - ***BEST Side Channel Layout Option #1***

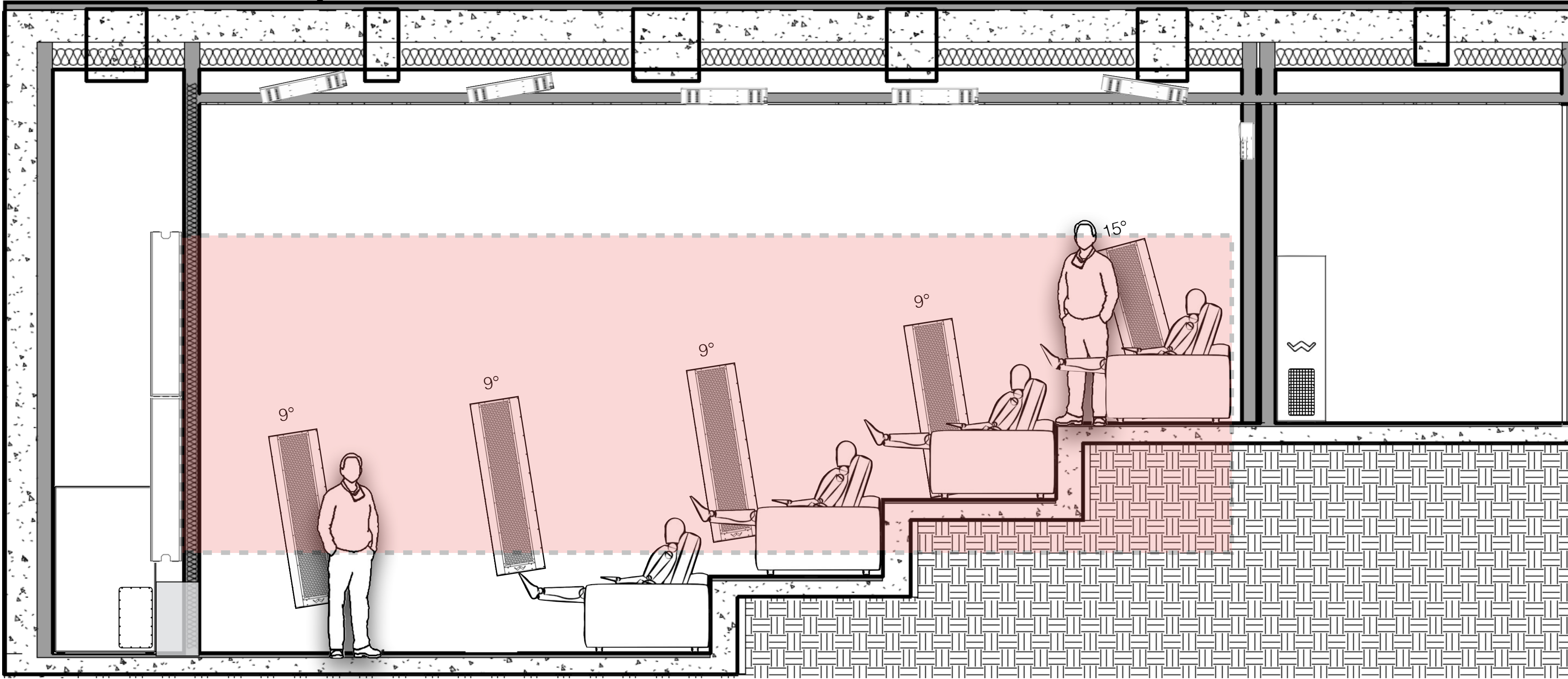
Dealer
Logo



 = Front LCR Line Source Vertical Coverage Pattern
Side Surround Line Source Vertical Coverage Pattern not shown in this elevation

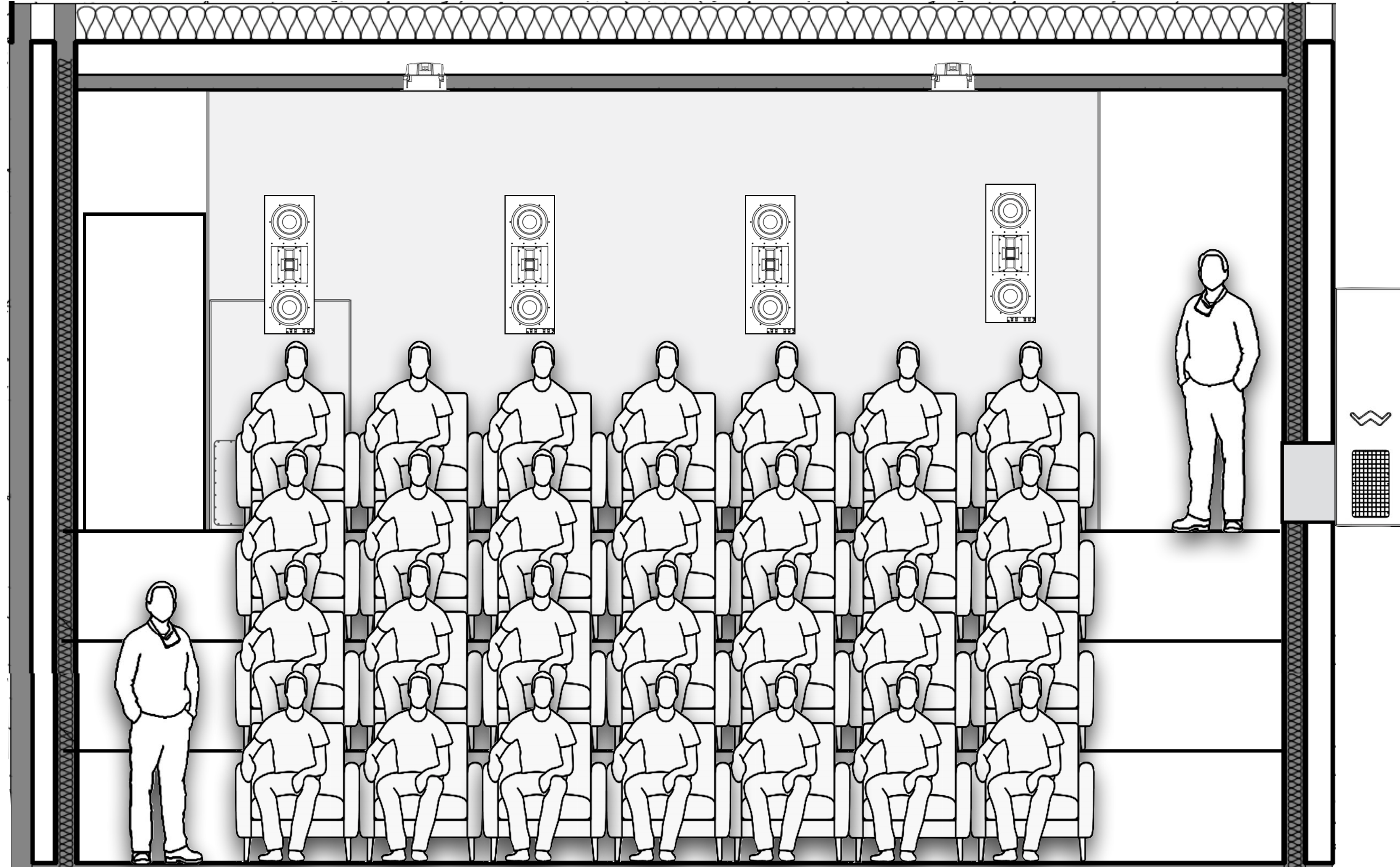


Front Screen Wall View



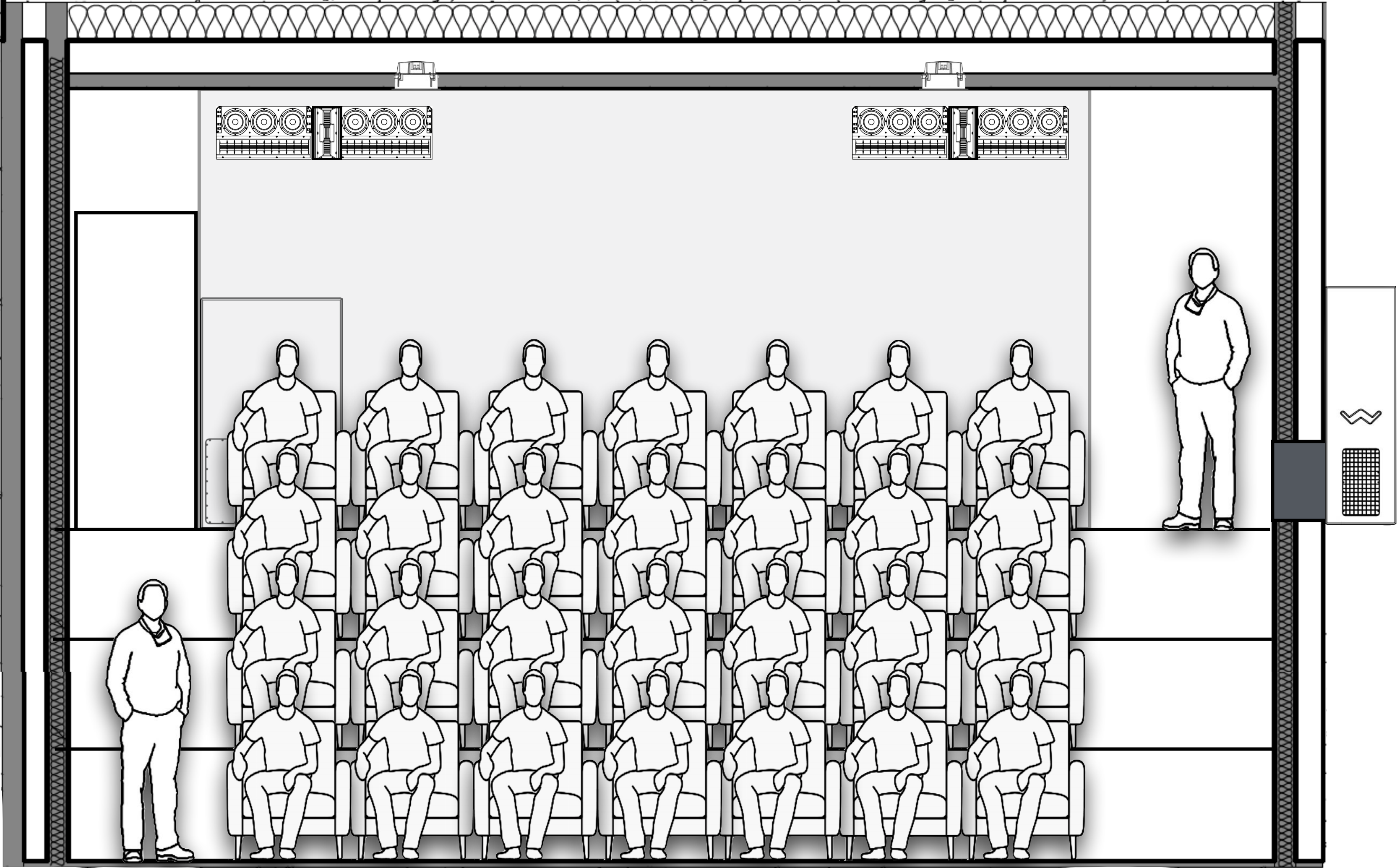
Right Side Wall Elevation Speaker Layout - ***BEST Side Channel Layout Option #2***

Dealer
Logo



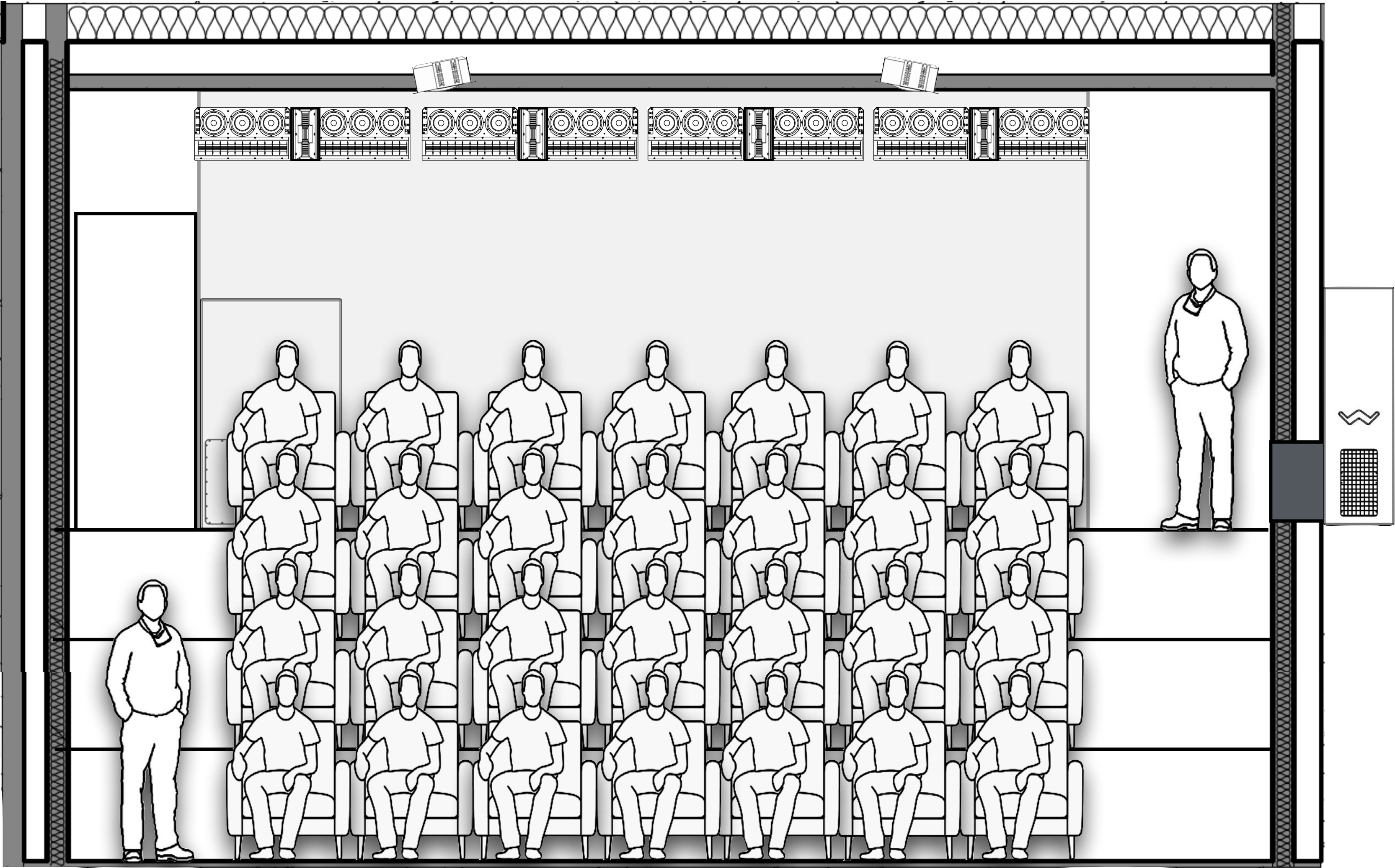
Rear Wall Elevation Speaker Layout - *VALUE*

Dealer
Logo



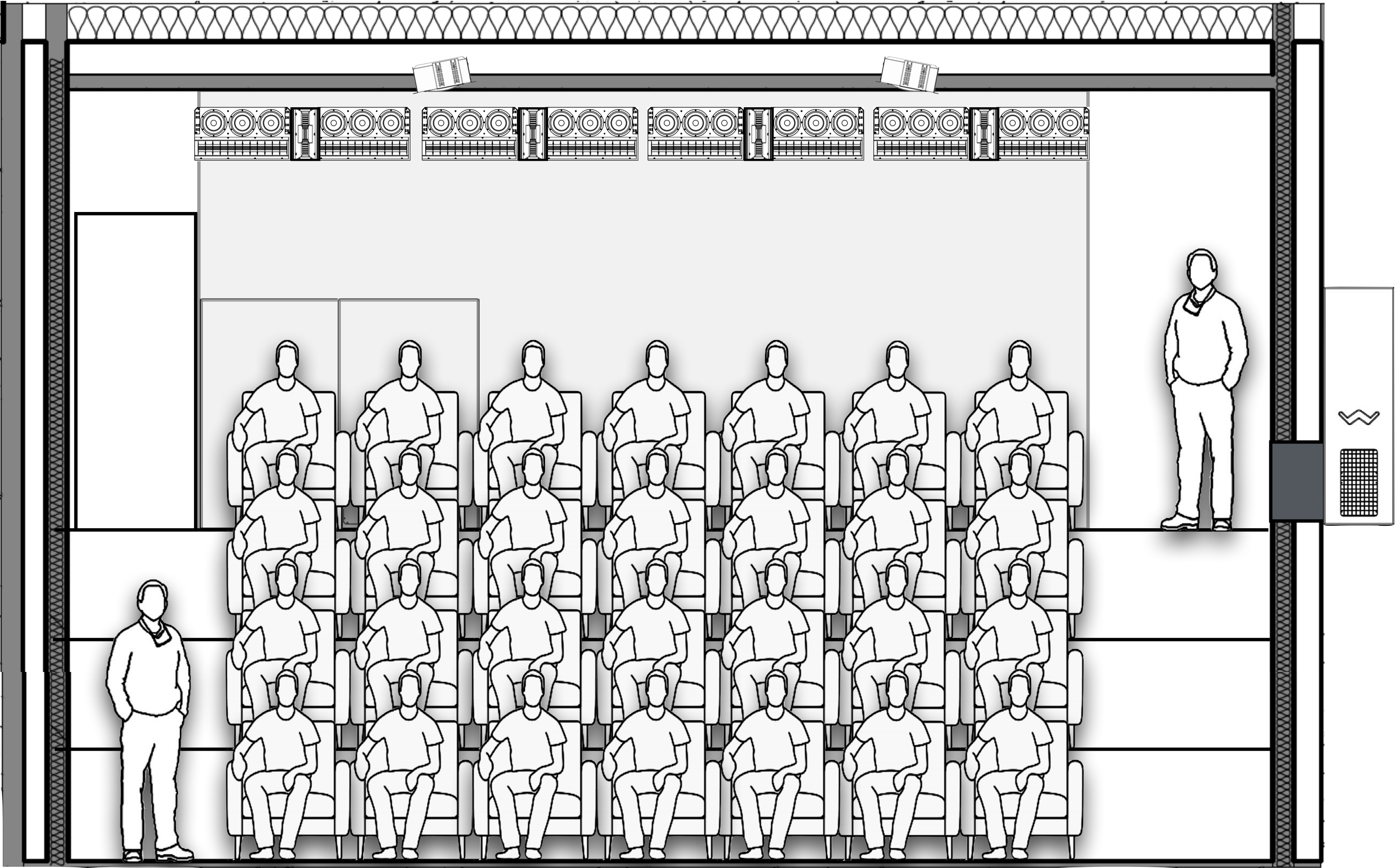
Rear Wall Elevation Speaker Layout - *GOOD*

Dealer
Logo



Rear Wall Elevation Speaker Layout - *BETTER*

Dealer
Logo



Rear Wall Elevation Speaker Layout - *BEST*

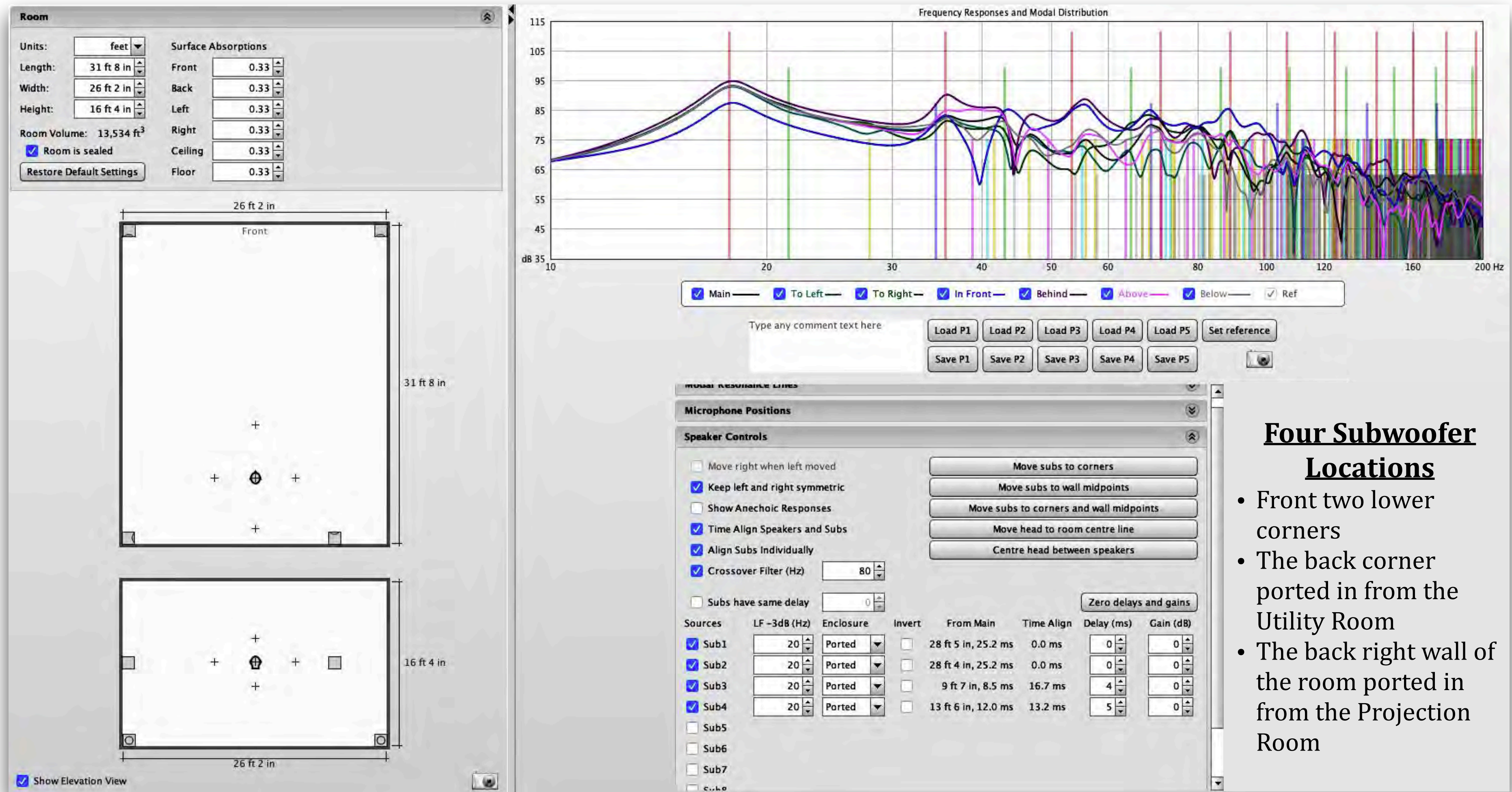
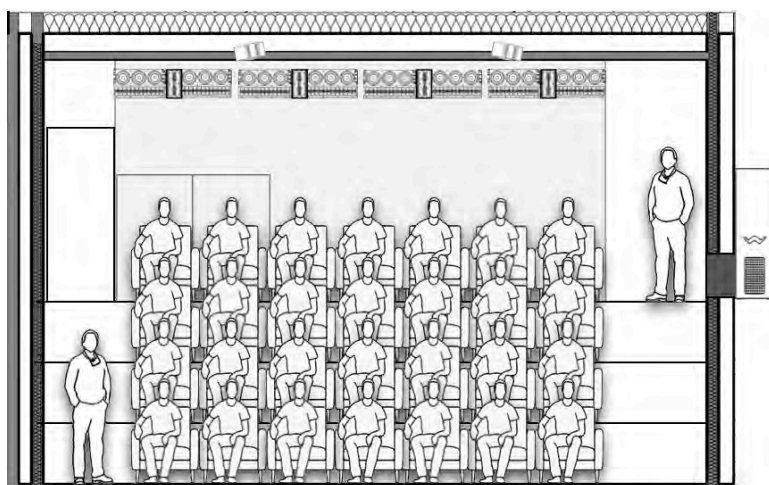
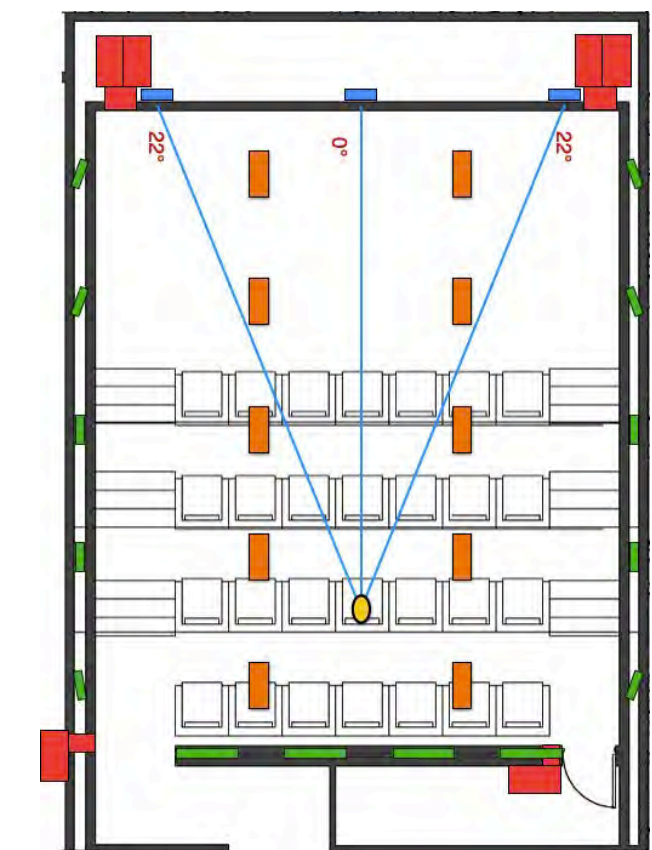
Dealer
Logo



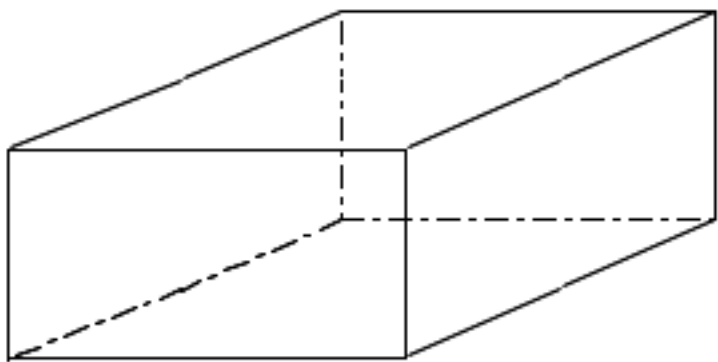
S u b w o o f e r A n a l y s i s & L i n e S o u r c e B e n e f i t s

Dealer
Logo

Subwoofer Room Analysis



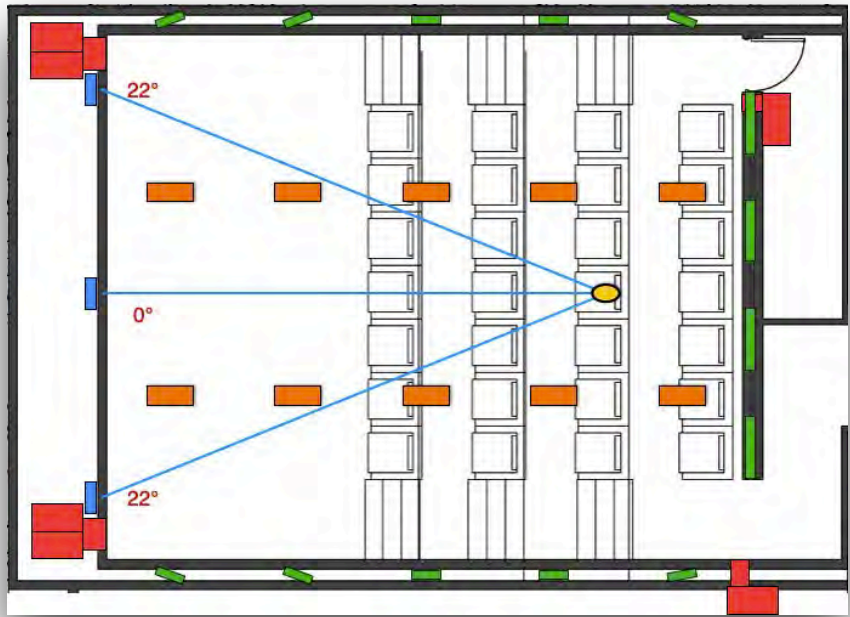
Room Size in feet and Surface in Square feet

Height	16.4		Front wall	429.68
Length	31.8		Back Wall	429.68
Width	26.2		Left wall	521.52
Ceiling	833.16		Right Wall	521.52
Floor	833.16			
Floor + Ceiling Surface	1666.32		Total Wall Surface	1902.4
	47%			53%

The Total Ceiling and Floor area represent 47% 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	53%	of the boundary generate reflections from these surface



47%
Less room boundary
using Line Source
Speakers versus Point
Source for LCR &
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

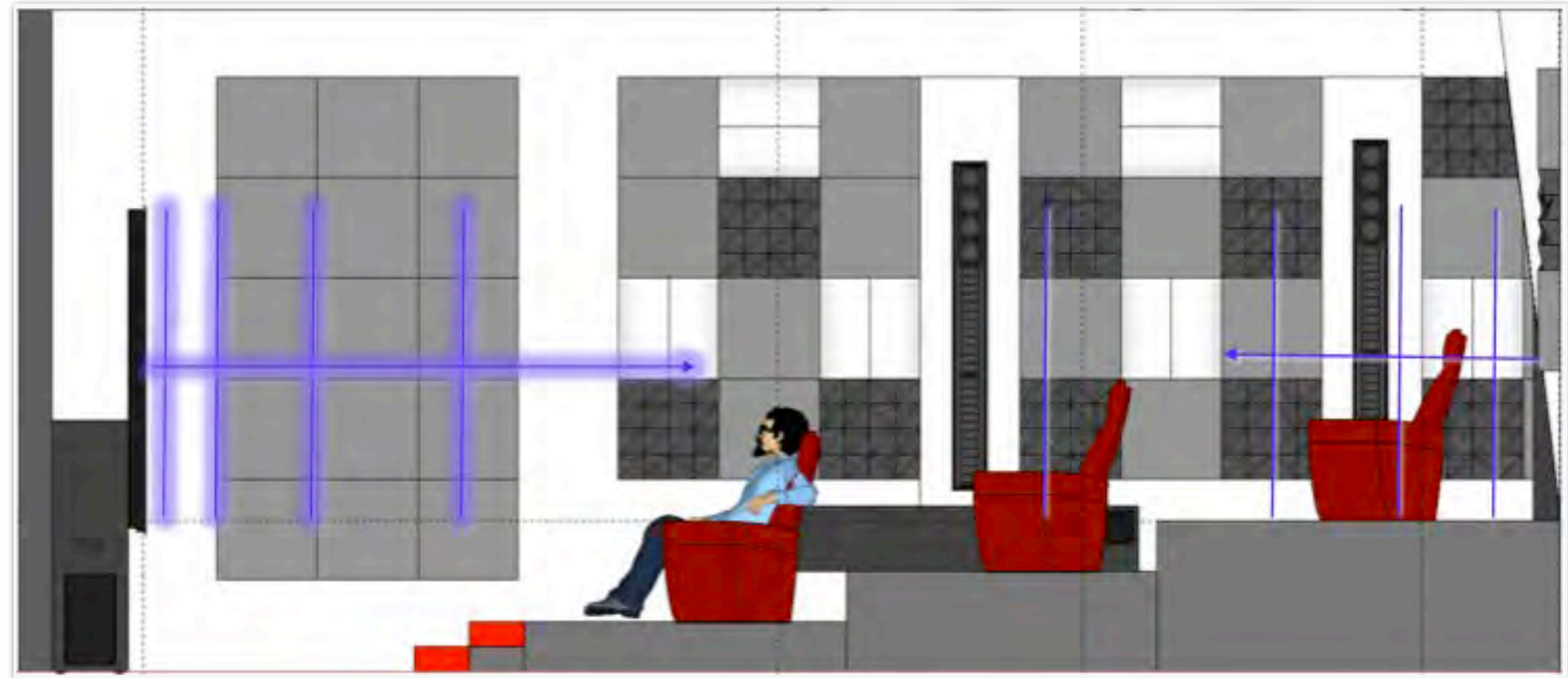
Enhanced clarity and superior intelligibility

More uniform sound level to each listener

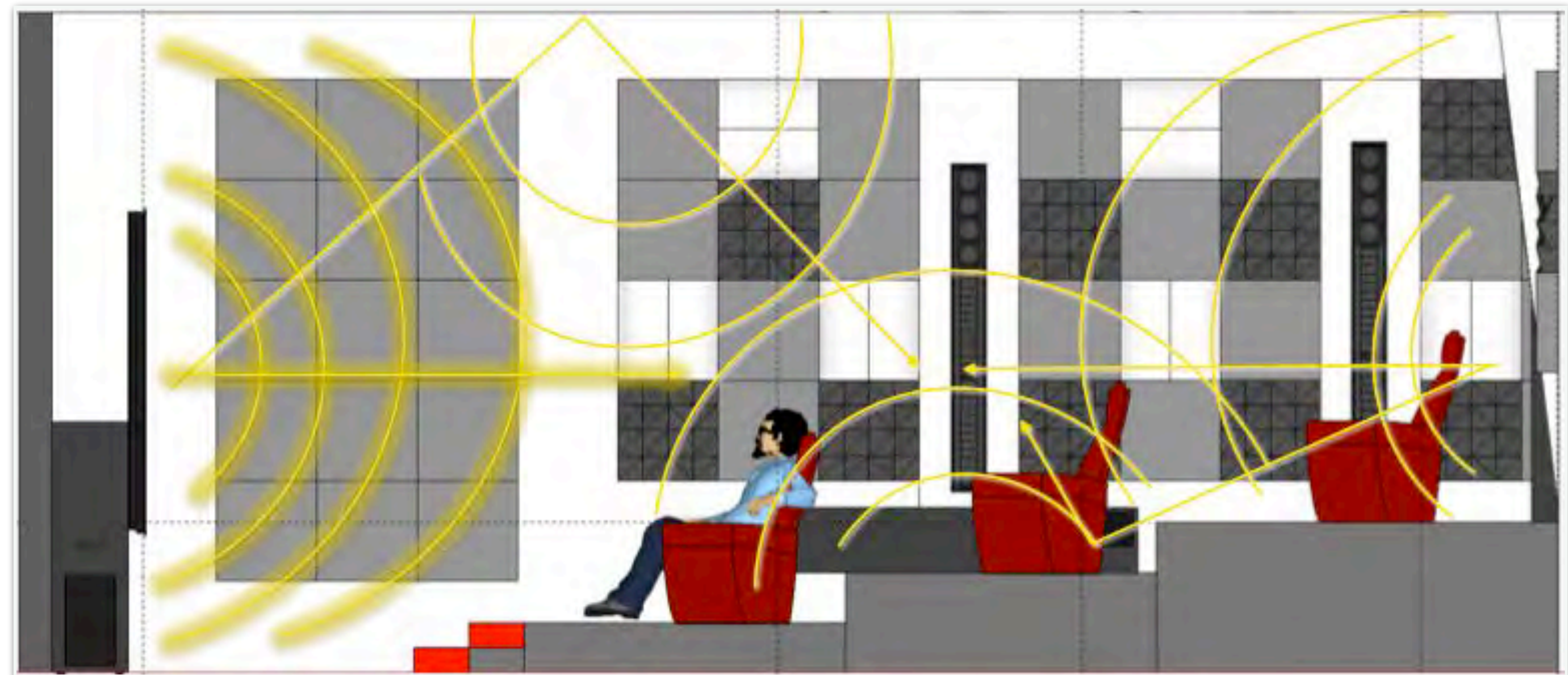
Every seat becomes a money seat

Every guest hears much the same volume and quality

LINE SOURCE



POINT SOURCE

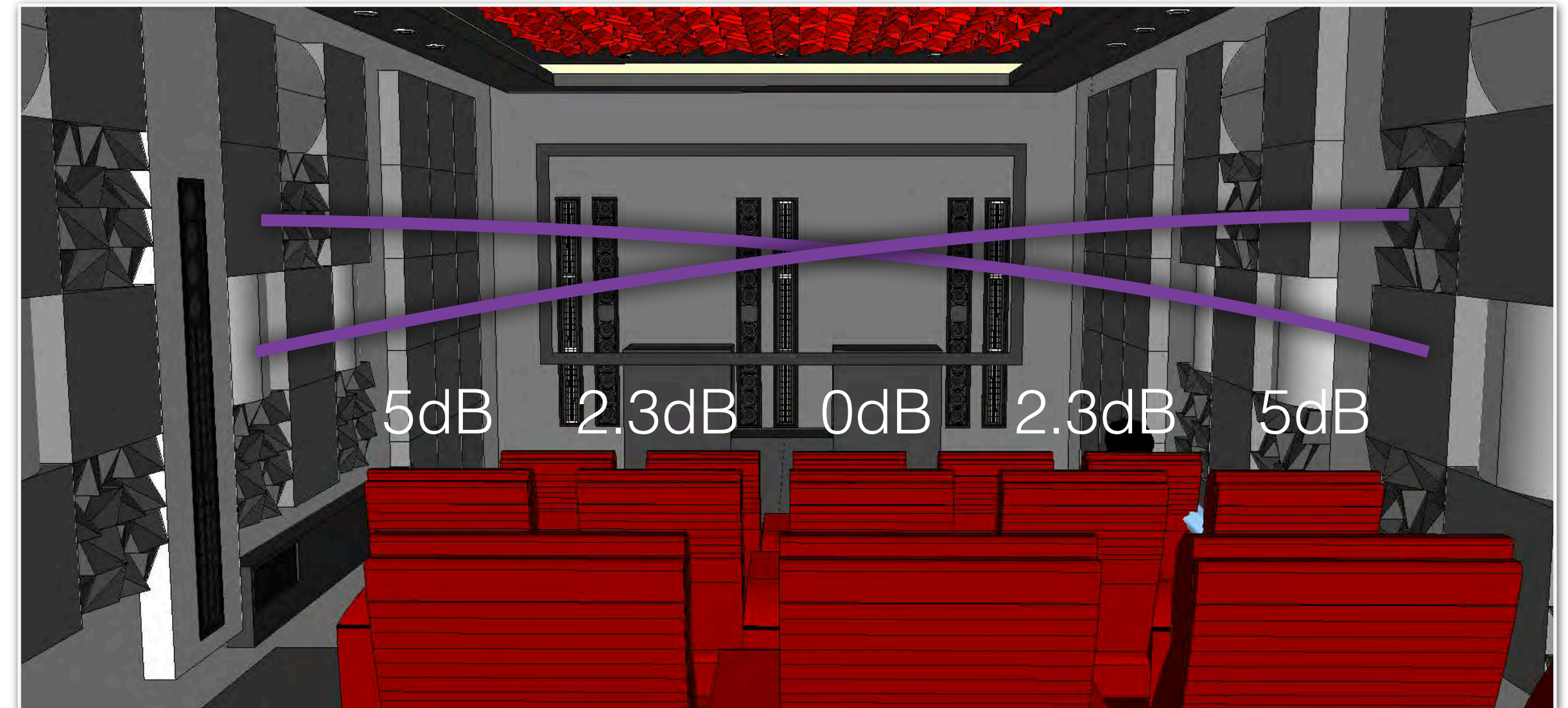


CLARITY

LINE SOURCE PROVIDES MORE DIRECT SOUND VERSUS REFLECTED SOUND

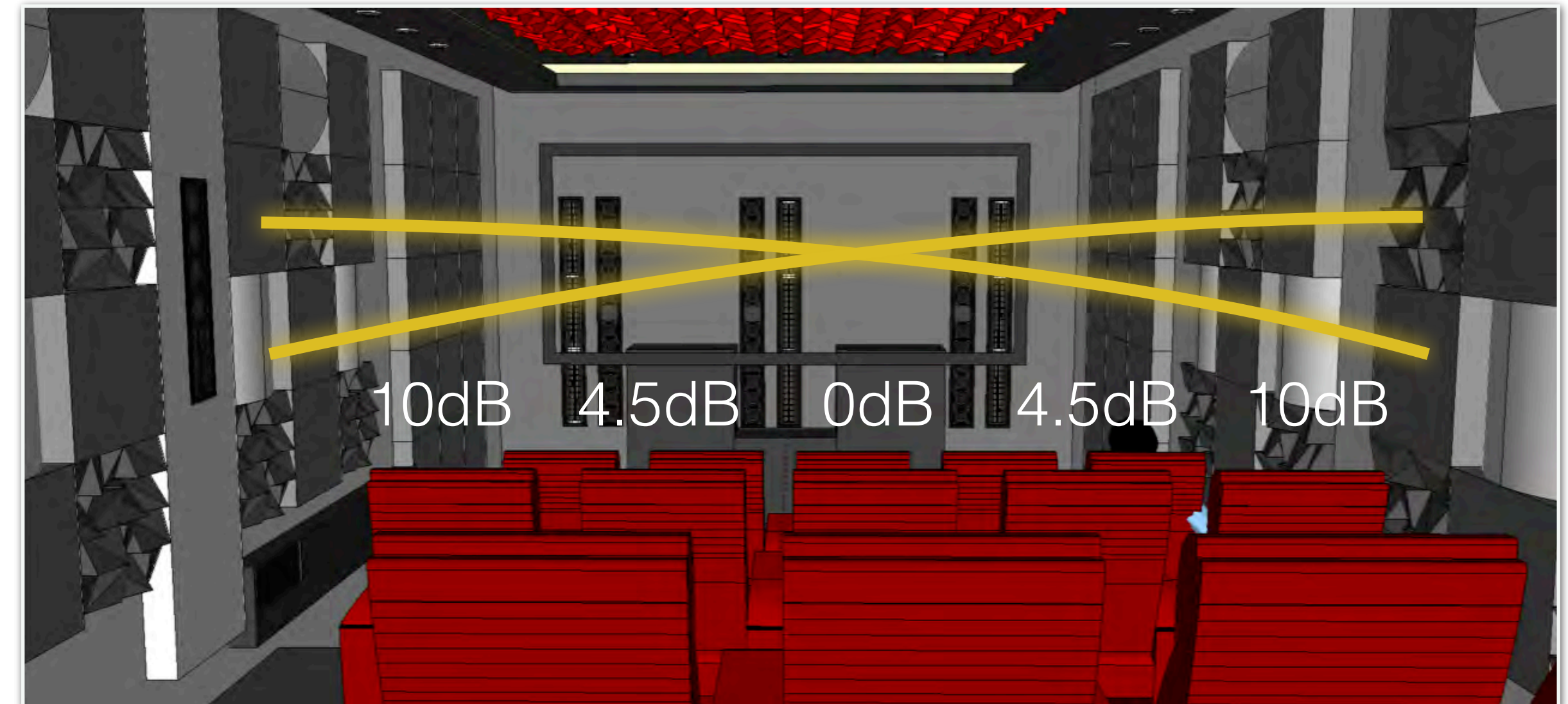
LINE SOURCE

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

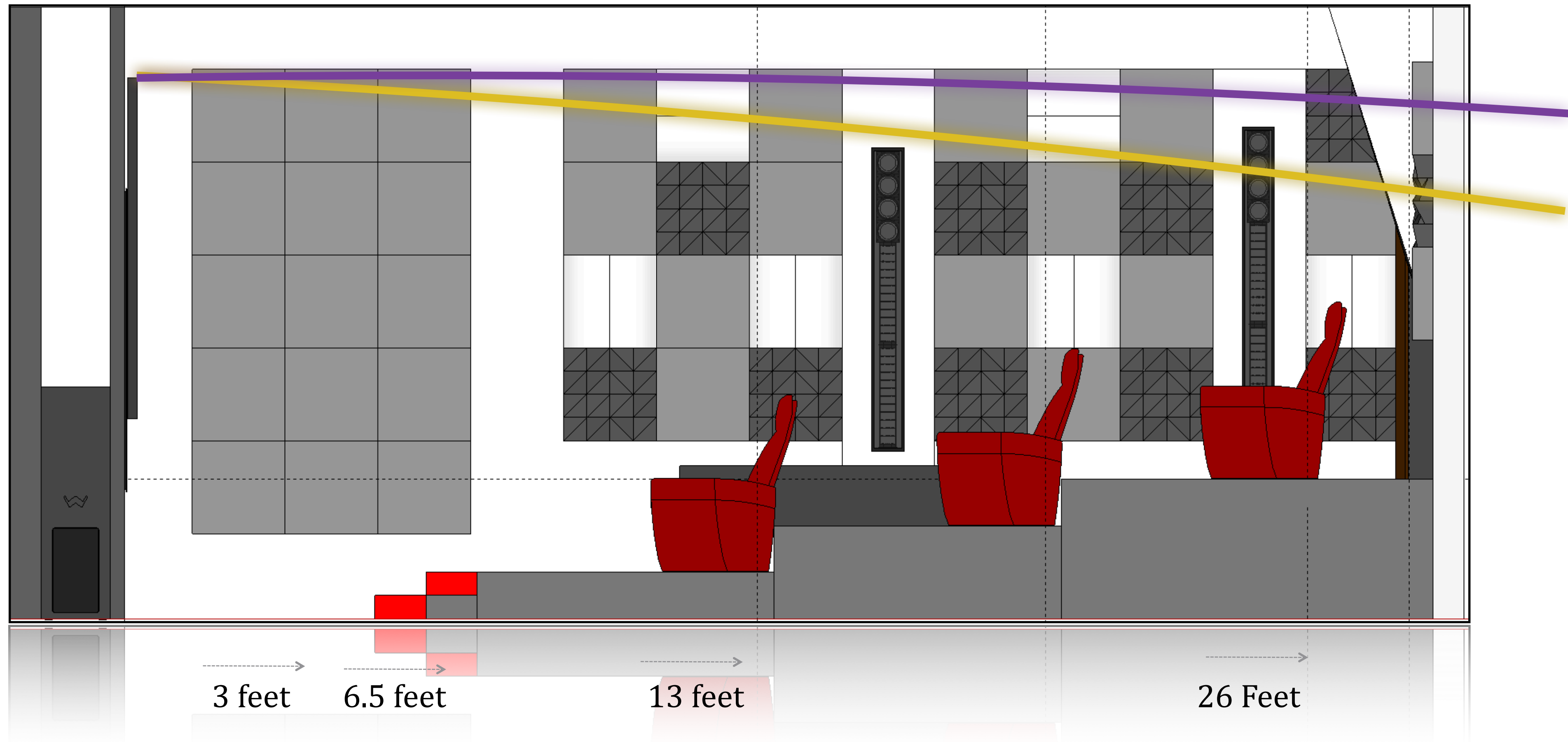
110 dB SPL

POINT SOURCE 121 dB SPL

109 dB SPL

106 dB SPL

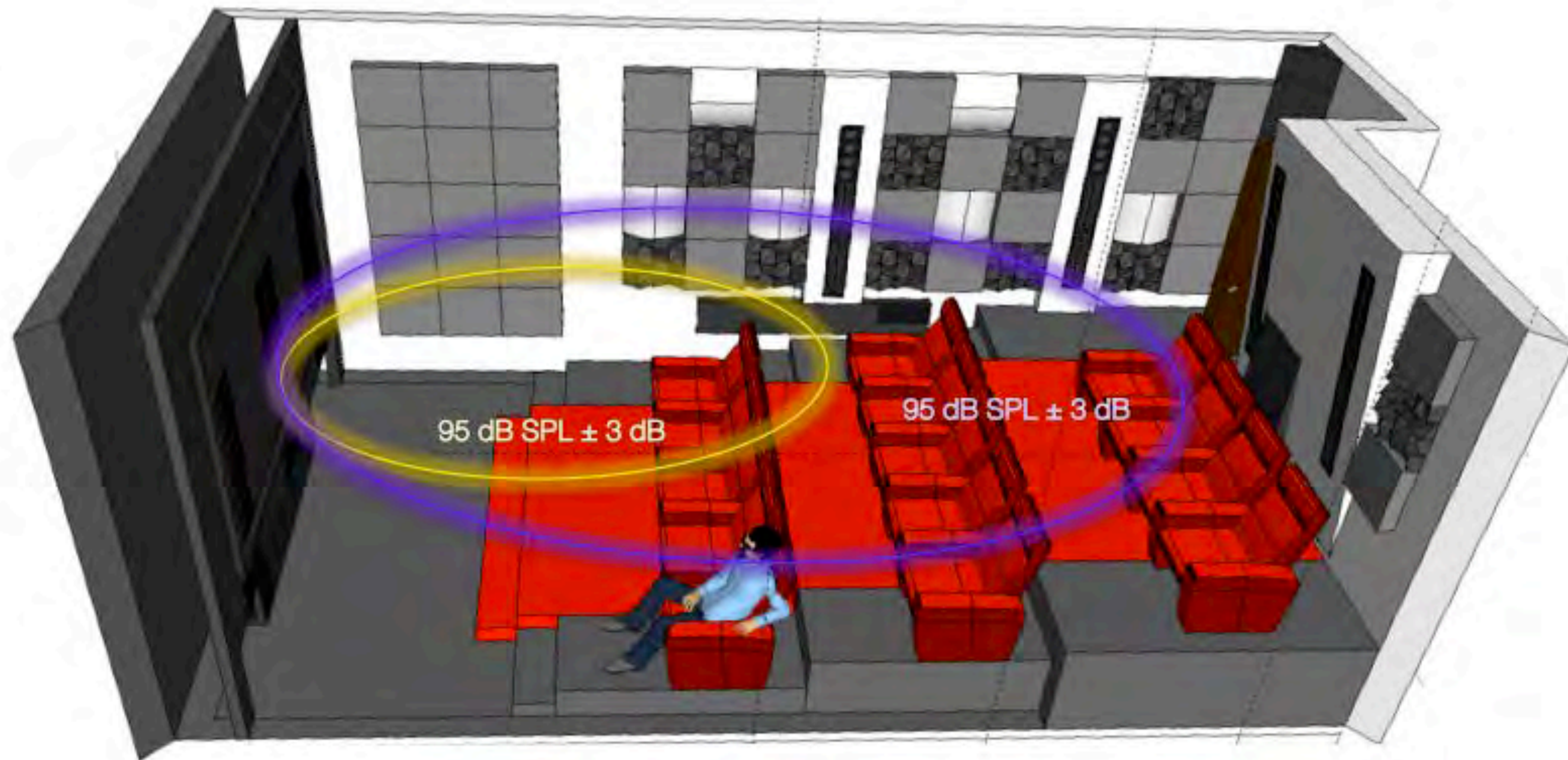
98 dB SPL



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

D i s t r i b u t e d A u d i o

Dealer
Logo



A B C S y s t e m s

“Summer Home Project”

Quote & Speaker Layout





Overall Master Quotes



	GOOD Multiple Zones of Audio	BETTER Multiple Zones of Audio	BEST Multiple Zones of Audio
Speaker Models	Speakers • (5) Sage Series ICS7a Point Source (Living RM) • (3) Insight Series P4i Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Maya’s RM) • (2) Sage Series ICS7a Point Source (Dinning RM) • (2) Sage Series ICS7a Point Source (Kitchen) • (2) Sage Series ICS7a Point Source (Master Bed RM) • (2) Insight Series P2i Point Source (Master Bath RM) • (2) Sage Series ICS7a Point Source (Office) • (17) ICS7 Rough-in Brackets • (3) P4i Rough-in Brackets • (2) P2i Rough-in Brackets Subwoofers • (2) S90i RTL Subwoofers (Living RM) • (2) S90i RTL Subwoofers (Media RM) • (1) S55i RTL Subwoofer (Maya’s RM) • (1) S55i RTL Subwoofer (Dinning RM) • (1) S90i RTL Subwoofer (Kitchen) • (1) S55i RTL Subwoofer (Master Bed RM) • (1) S55i RTL Subwoofer (Master Bath RM) • (1) S55i RTL Subwoofer (Office)	Speakers • (5) Sage Series ICS7a Point Source (Living RM) • (3) Insight Series P4i Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Maya’s RM) • (2) Sage Series ICS7a Point Source (Dinning RM) • (2) Sage Series ICS7a Point Source (Kitchen) • (2) Sage Series ICS7a Point Source (Master Bed RM) • (2) Insight Series P2i Point Source (Master Bath RM) • (2) Sage Series ICS7a Point Source (Office) • (17) ICS7 Rough-in Brackets • (3) P4i Rough-in Brackets • (2) P2i Rough-in Brackets Subwoofers • (2) S90i RTL Subwoofers (Living RM) • (2) S90i RTL Subwoofers (Media RM) • (1) S55i RTL Subwoofer (Maya’s RM) • (1) S55i RTL Subwoofer (Dinning RM) • (1) S90i RTL Subwoofer (Kitchen) • (1) S55i RTL Subwoofer (Master Bed RM) • (1) S55i RTL Subwoofer (Master Bath RM) • (1) S55i RTL Subwoofer (Office)	Speakers • (5) Sage Series ICS7a Point Source (Living RM) • (3) Insight Series P4i Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Media RM) • (2) Sage Series ICS7a Point Source (Maya’s RM) • (2) Sage Series ICS7a Point Source (Dinning RM) • (2) Sage Series ICS7a Point Source (Kitchen) • (2) Sage Series ICS7a Point Source (Master Bed RM) • (2) Insight Series P2i Point Source (Master Bath RM) • (2) Sage Series ICS7a Point Source (Office) • (17) ICS7 Rough-in Brackets • (3) P4i Rough-in Brackets • (2) P2i Rough-in Brackets Subwoofers • (2) S90i RTL Subwoofers (Living RM) • (2) S90i RTL Subwoofers (Media RM) • (1) S90i RTL Subwoofer (Maya’s RM) • (1) S90i RTL Subwoofer (Dinning RM) • (1) S90i RTL Subwoofer (Kitchen) • (1) S90i RTL Subwoofer (Master Bed RM) • (1) S55i RTL Subwoofer (Master Bath RM) • (1) S90i RTL Subwoofer (Office)
Electronics & Cables	• (2) SC-3 System Controller w/Dirac Room Correction • (10) SW-1 RTL Subwoofer Amplifiers	• (2) SC-3 System Controller w/Dirac Room Correction • (10) SW-1 RTL Subwoofer Amplifiers • (2) SA-2 Amplifiers • (6) SA-3 Amplifiers	• (2) SC-3 System Controller w/Dirac Room Correction • (1) SA-2 Amplifier • (10) SA-3 Amplifiers • (2) WWK-BB3 Custom Wire Kits for SC-3’s
Services	• (1) Whole Home Factory Calibration & Room Commissioning	• (1) Whole Home Factory Calibration & Room Commissioning	• (1) Whole Home Factory Calibration & Room Commissioning
System Total (MSRP)	\$115,750	\$161,750	\$185,350

Special Note: Quote Pricing Good for 90-Days



Overall Master Quotes System Advantages



	GOOD Multiple Zones of Audio	BETTER Multiple Zones of Audio	BEST Multiple Zones of Audio
System Advantages, Benefits, and Requirements	- Great Wisdom Audio Signature Sound - Clarity and details using Planar Magnetic Drivers (PMD) - All Planar Magnetic Drivers cover 5 Octaves - Articulated bass using Regenerative Transmission Line Subwoofer Technology (RTL) - SC-3 System Controller allowing for full calibration for each zone of audio - Factory Calibration and Room Commissioning *This option will require two surround sound processors *This option will require outboard amplification for the following rooms: ✓ Living RM - 5 Channels ✓ Media RM - 5 Channels ✓ Maya’s RM - 2 Channels ✓ Dinning RM - 2 Channels ✓ Kitchen - 2 Channels ✓ Master Bed RM - 2 Channels ✓ Master Bath RM - 2 Channels ✓ Office - 2 Channels *Outboard recommended amplifiers: ✓ Crown DCi 8 300N ✓ Audio Control ✓ Marantz MM8077 *Recommended surround processor: ✓ Marantz AV7705	All the GOOD System attributes plus... - The BETTER system upgrades to using Wisdom SA Amplifiers for all main and surround channels for all zones - Improved clarity, output, and dynamics in all zones *This option will require two surround sound processors *Recommended surround processor: ✓ Marantz AV7705	All the BETTER System attributes plus... - The BEST system upgrades to using Wisdom SA Amplifiers for not only all speakers, but also all RTL Subwoofers. This will provide an increase of 130 additional watts per subwoofer from 370 to 500 Watts - The BEST system upgrades to using the S90i RTL Subwoofer in the following rooms: Maya’s RM, Dinning RM, Master Bed RM, and the Office - The BEST systems include using the Custom Interconnect Wire Kits for all zones - Improved system dynamics for all zones *This option will require two surround sound processors *Recommended surround processor: ✓ Marantz AV7705

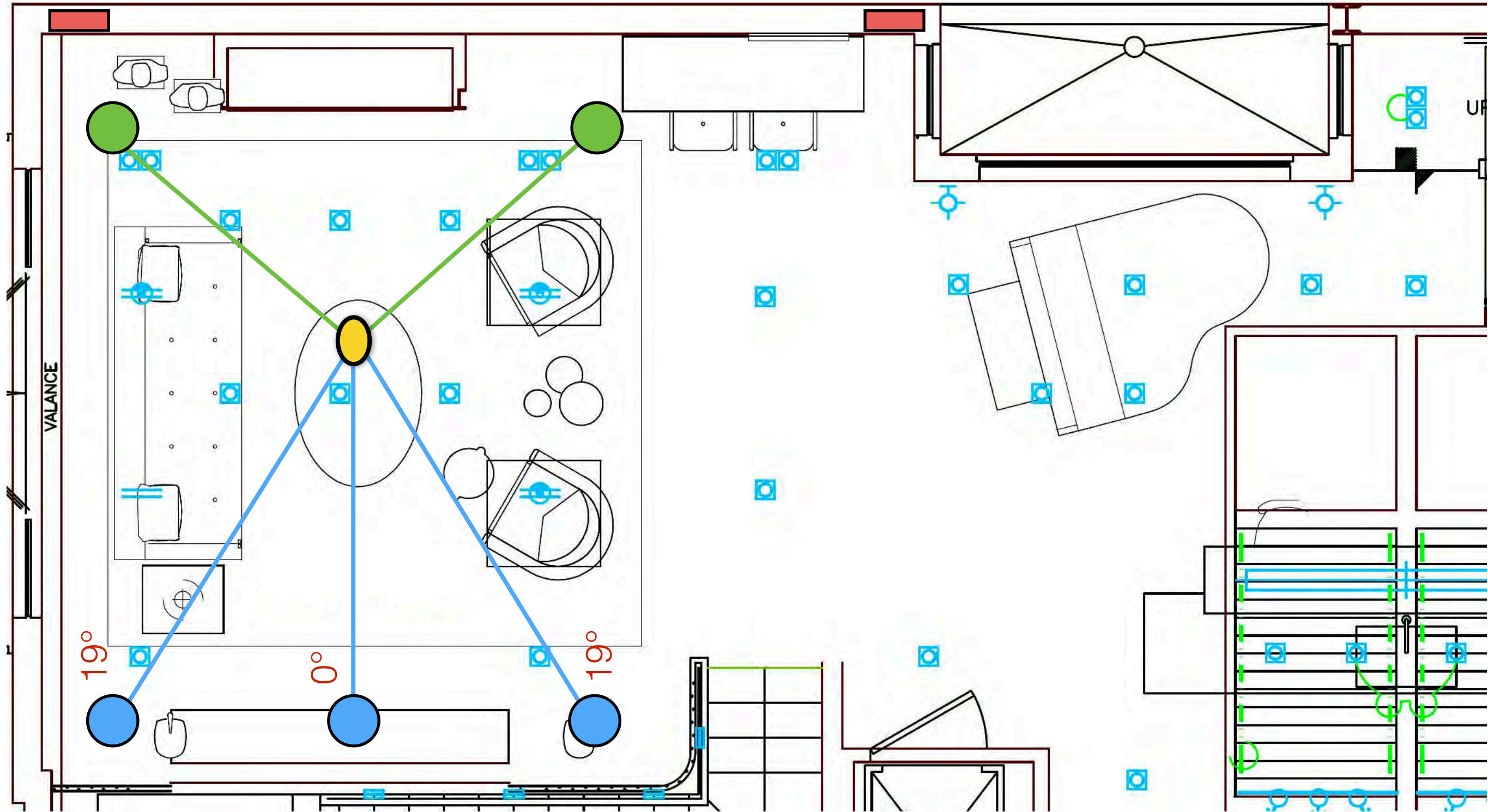
Special Note: Quote Pricing Good for 90-Days

The following are Overhead Speaker Layouts
for the
Summer Home Project

Dealer
Logo

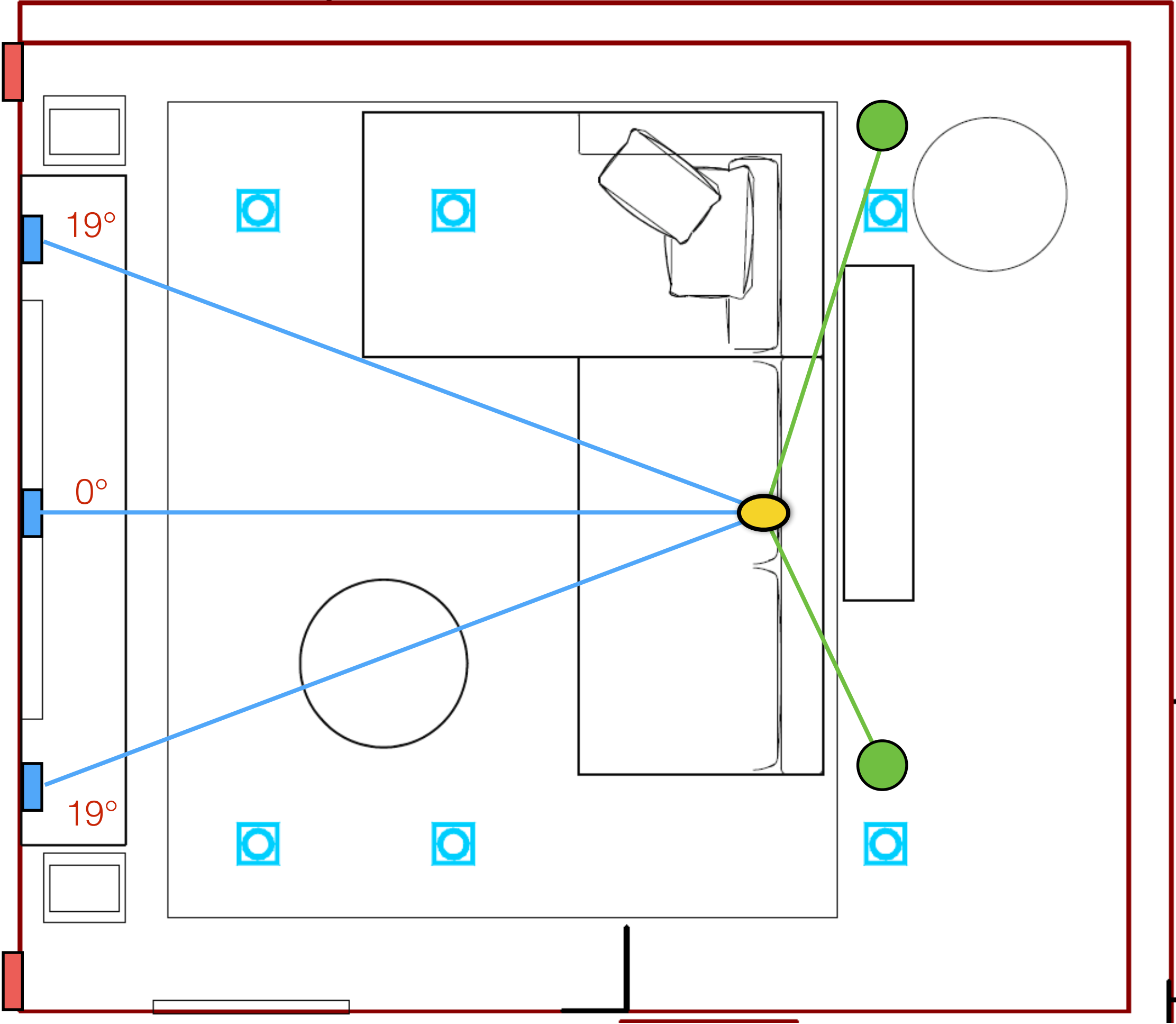


-  = LCR CH's
-  = Rear CH's
-  = Subwoofers
-  = Reference Listening Point

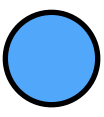


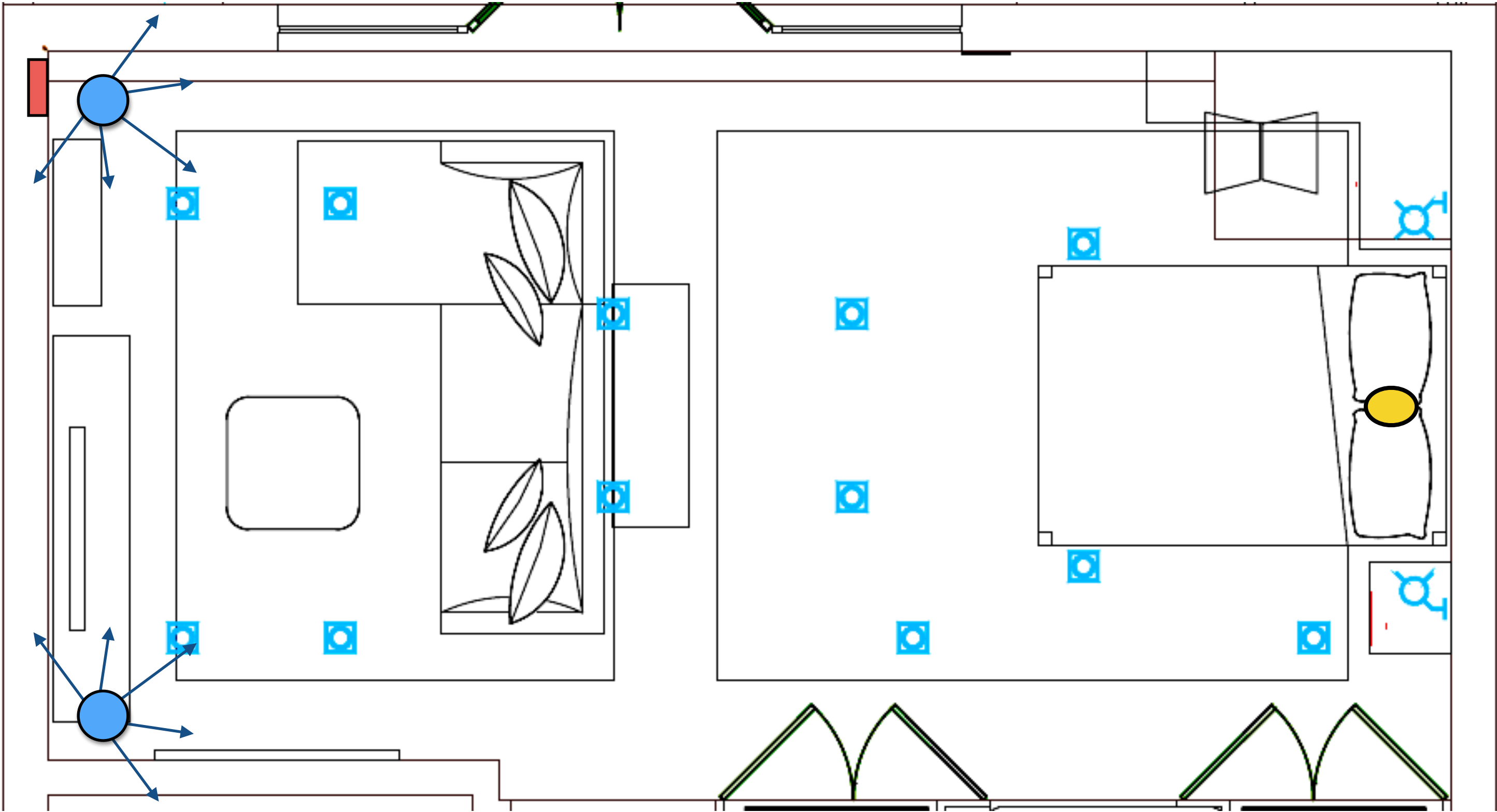
Overhead Speaker Layout - *Living Room Surround System*

-  = LCR CH's
-  = Rear CH's
-  = Subwoofers
-  = Reference Listening Point



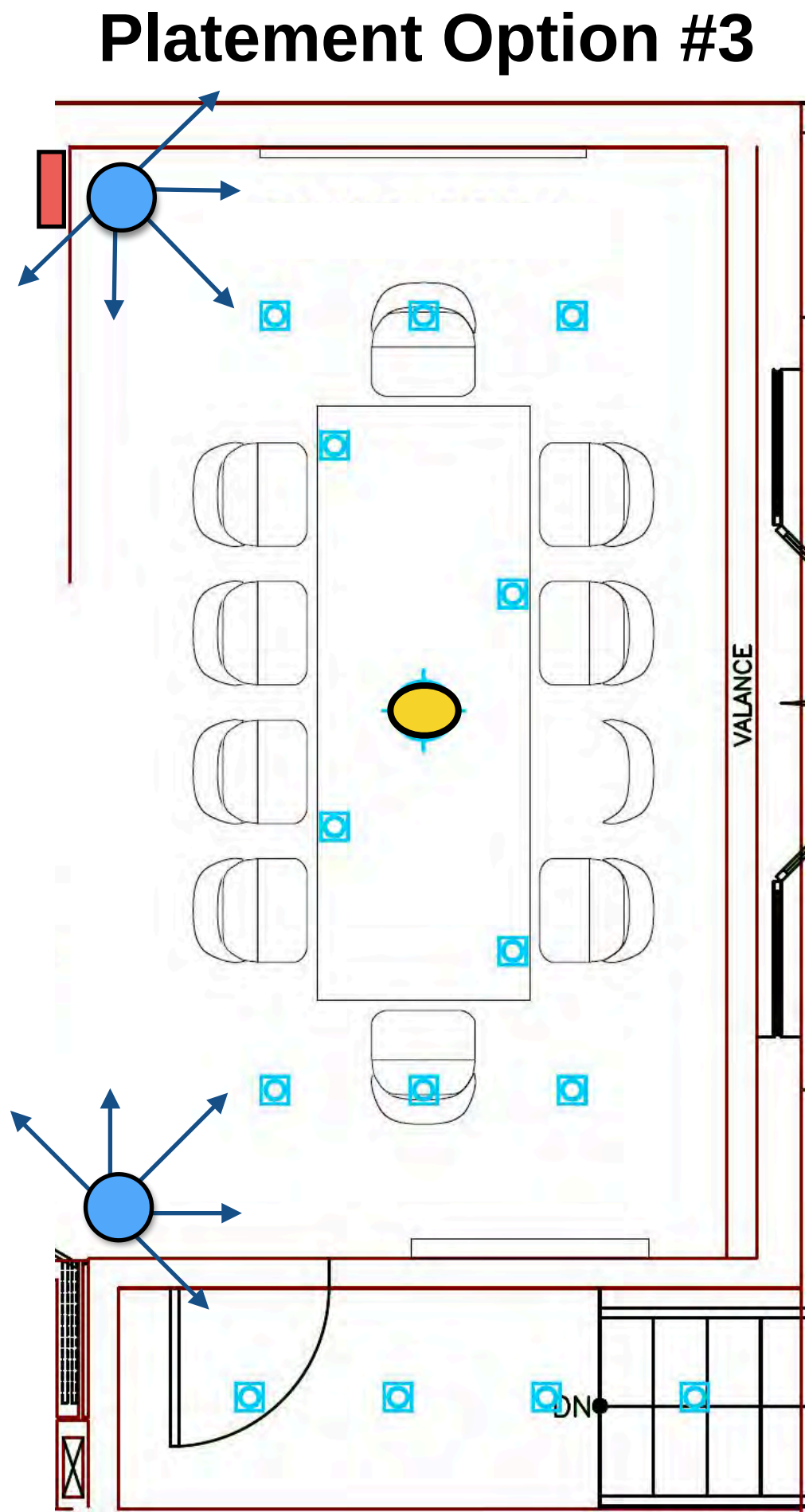
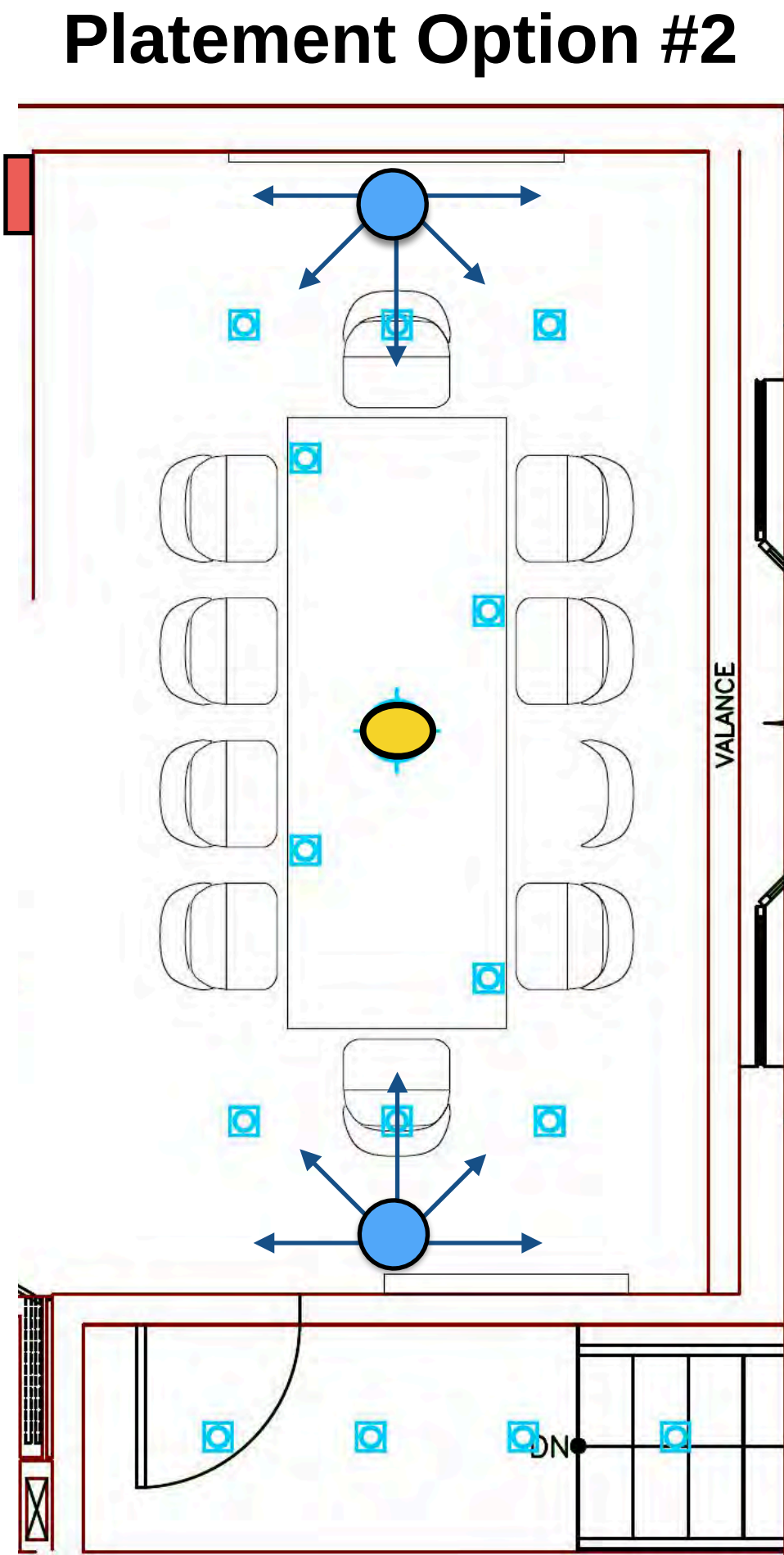
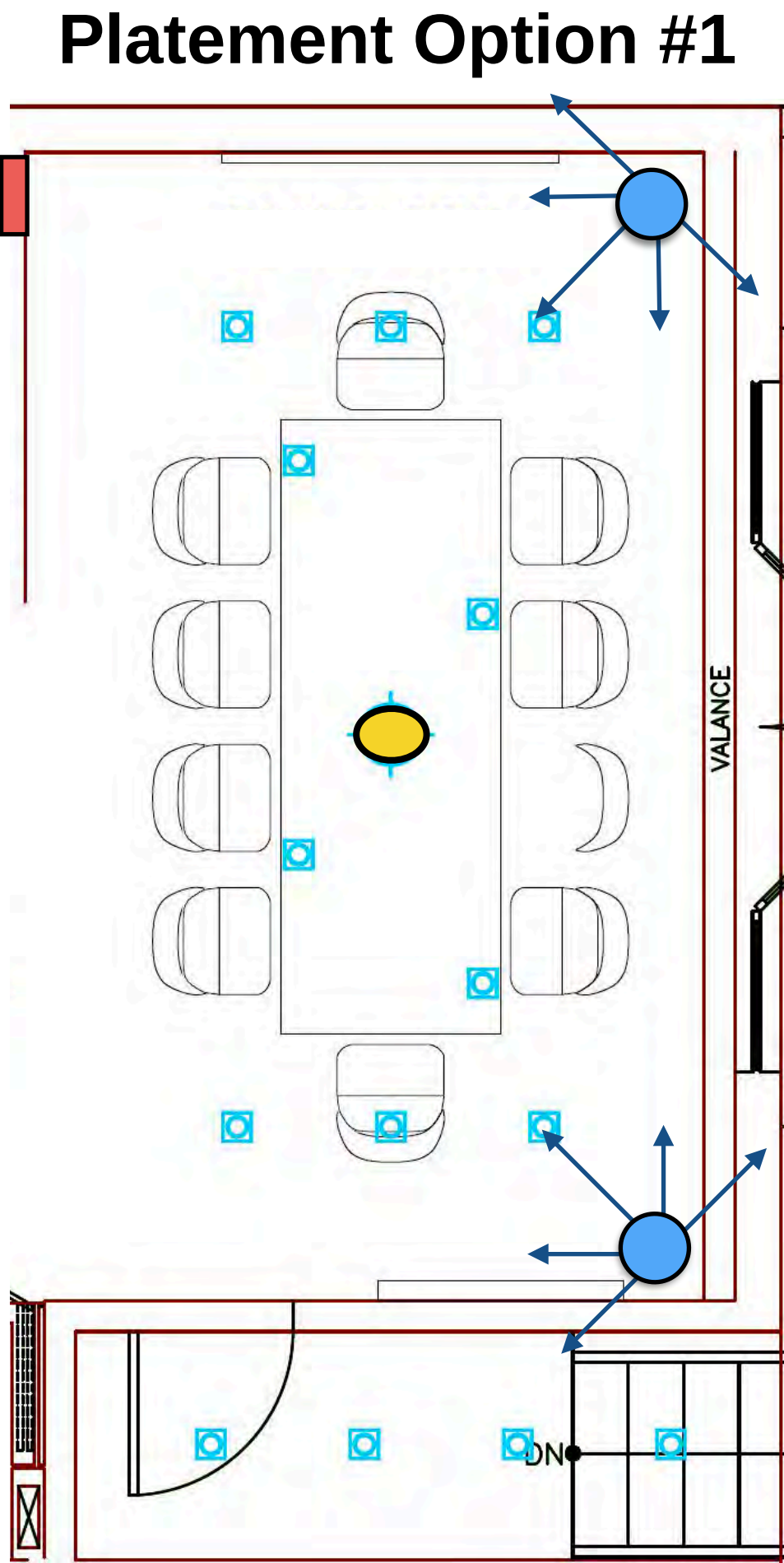
Overhead Speaker Layout - *Media Room Surround System*

-  = L&R CH's
-  = Subwoofer
-  = Reference Listening Point



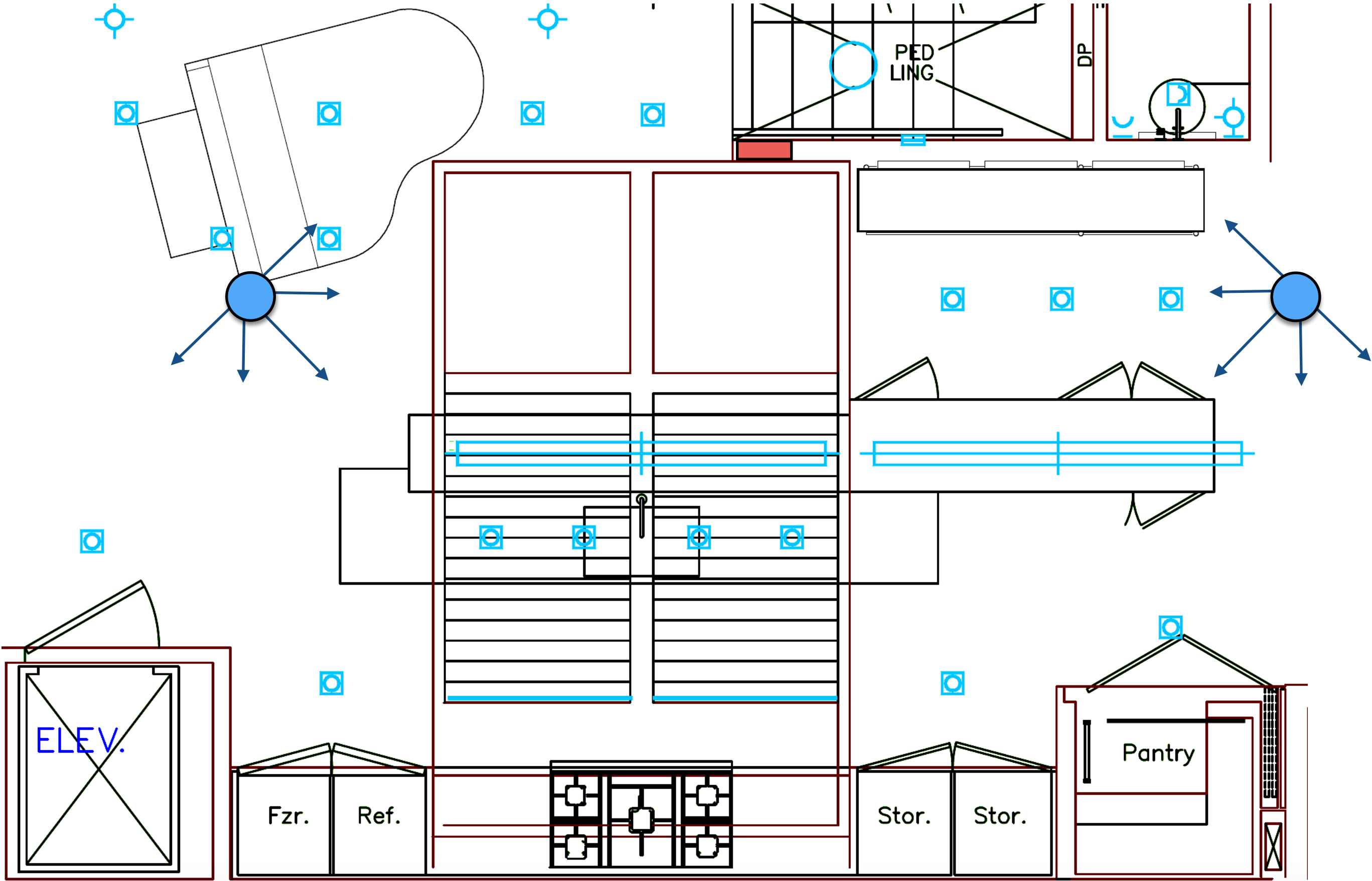
Overhead Speaker Layout - *Maya's Room*

-  = L&R CH's
-  = Subwoofer
-  = Reference Listening Point



Overhead Speaker Layout - *Dinning Room*

-  = L&R CH's
-  = Subwoofer

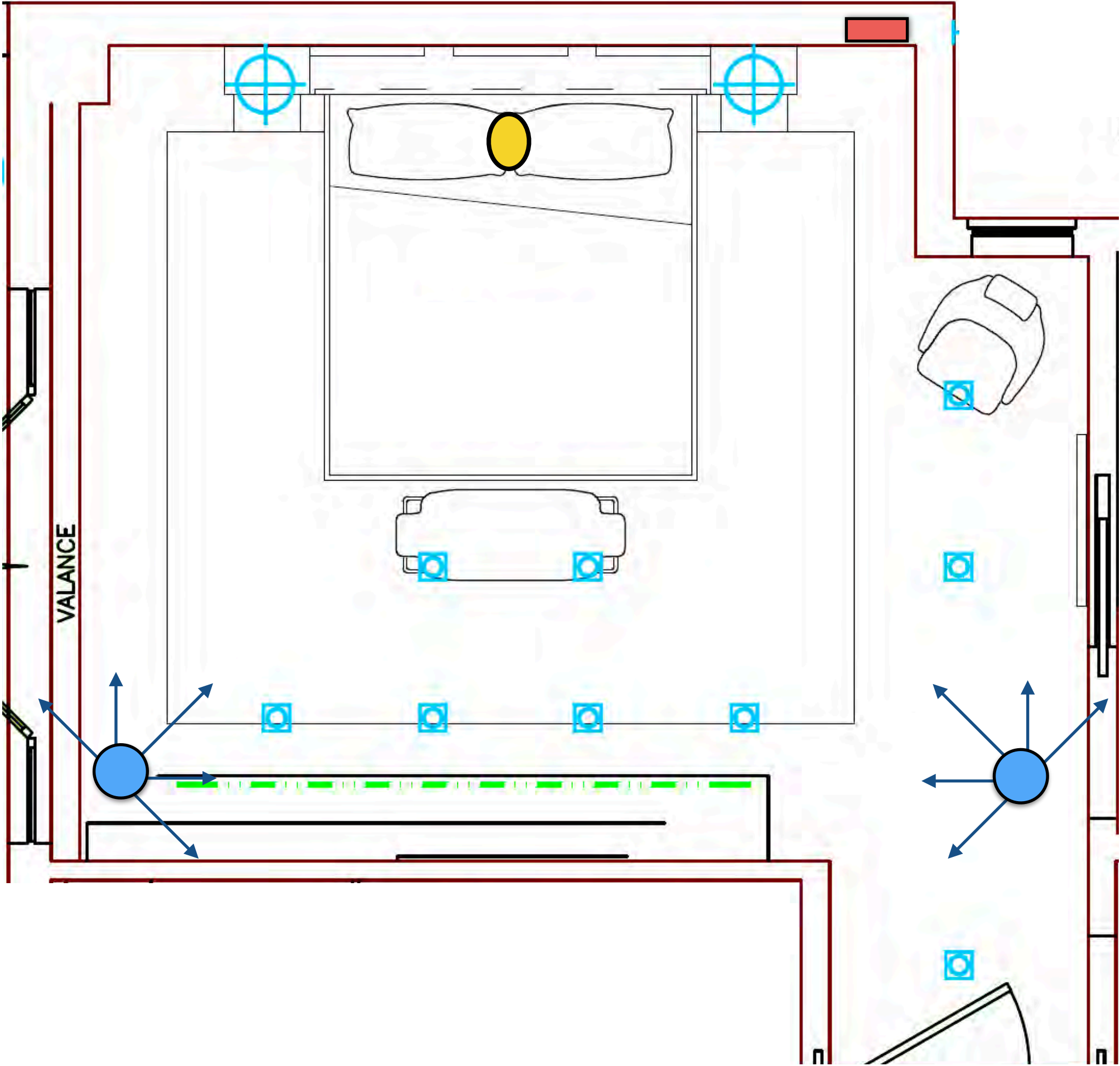


Overhead Speaker Layout - *Kitchen*

Dealer
Logo



-  = L&R CH's
-  = Subwoofer
-  = Reference Listening Point

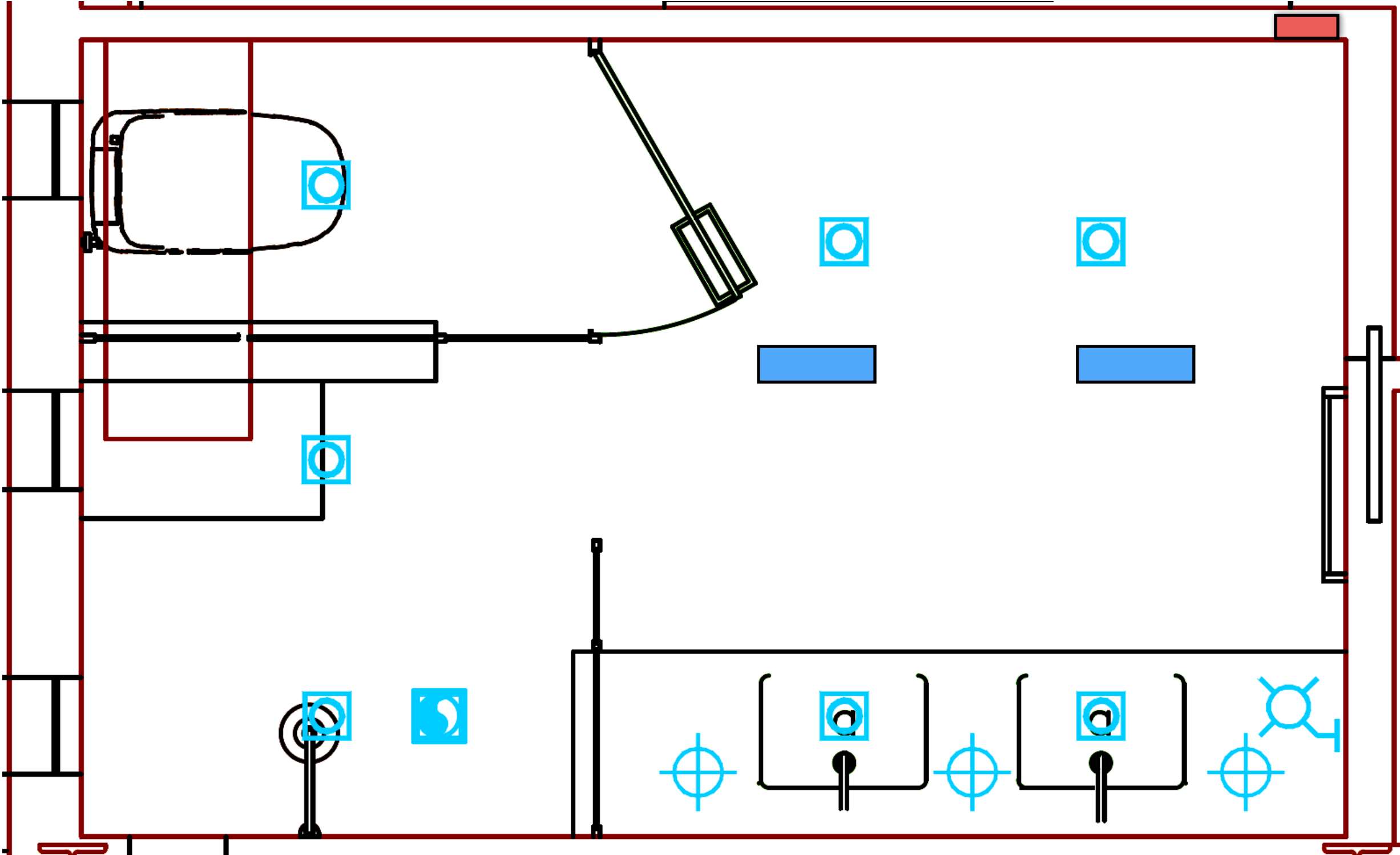


Overhead Speaker Layout - *Master Bedroom*

Dealer
Logo



-  = L&R CH's
-  = Subwoofer

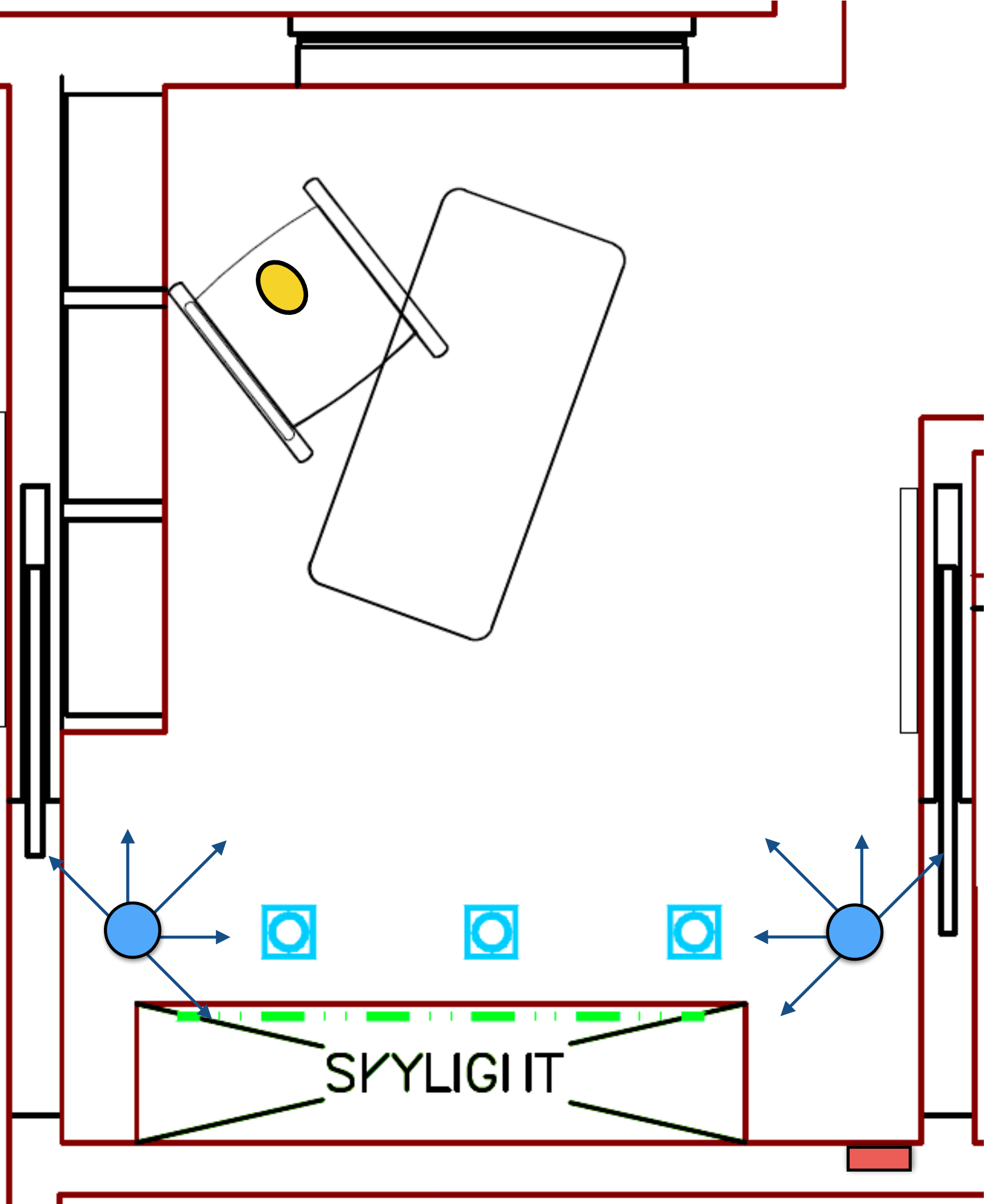


Overhead Speaker Layout - *Master Bathroom*

Dealer
Logo

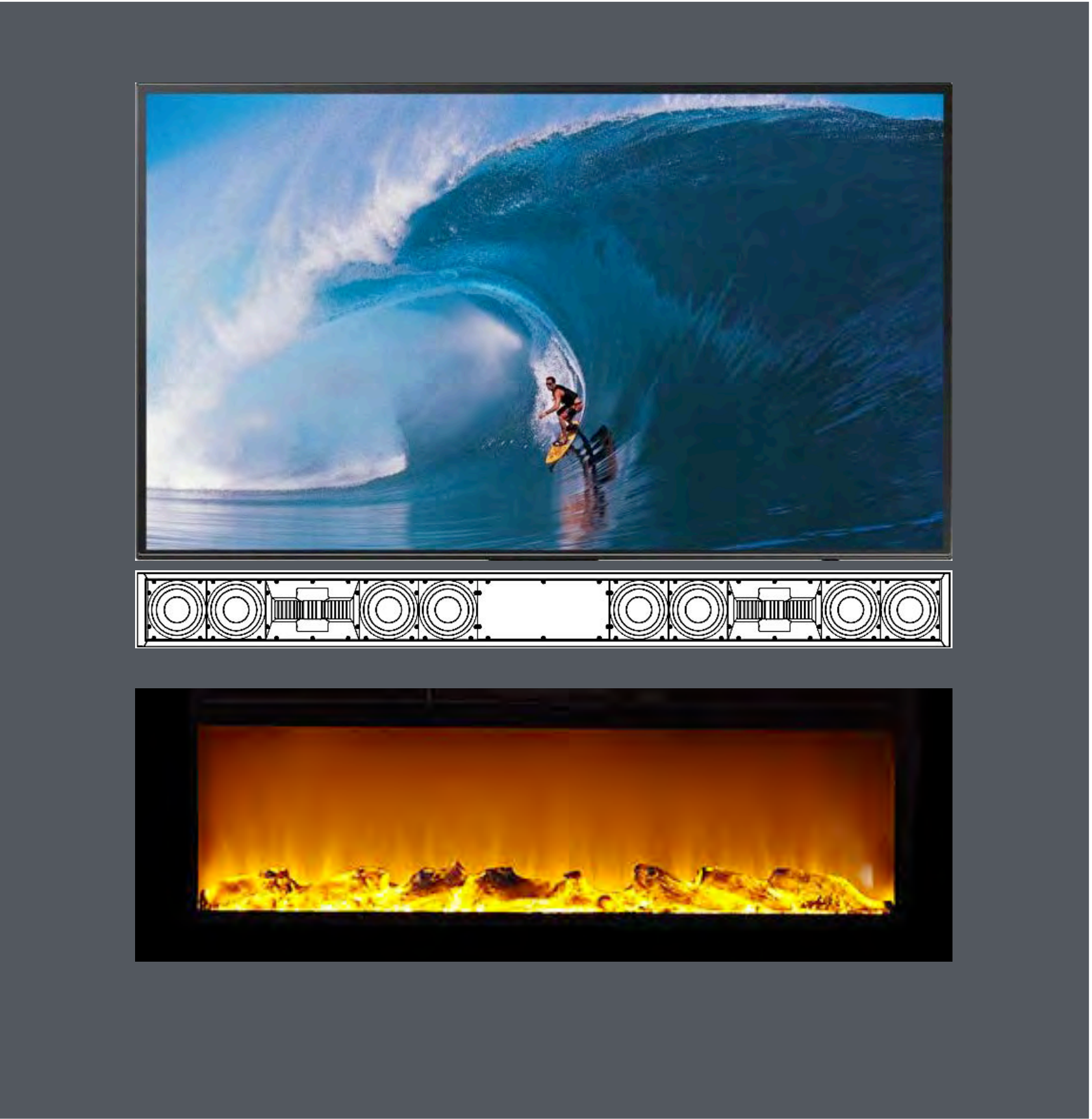
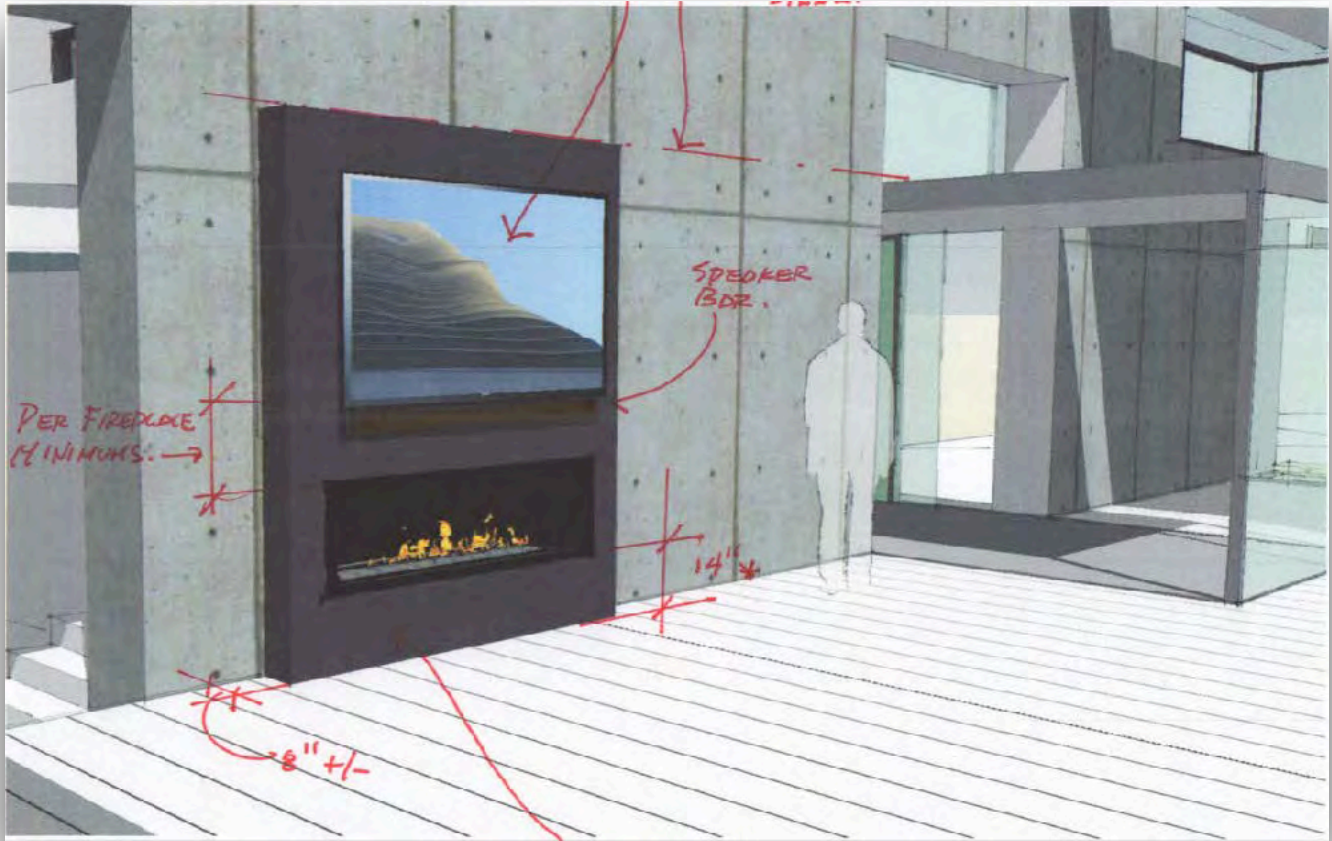


-  = L&R CH's
-  = Subwoofer
-  = Reference Listening Point



Overhead Speaker Layout - *Office*

Dealer
Logo



Living Room Front Wall Elevation Renderings

Dealer
Logo



L75



L75 in-wall or on-wall

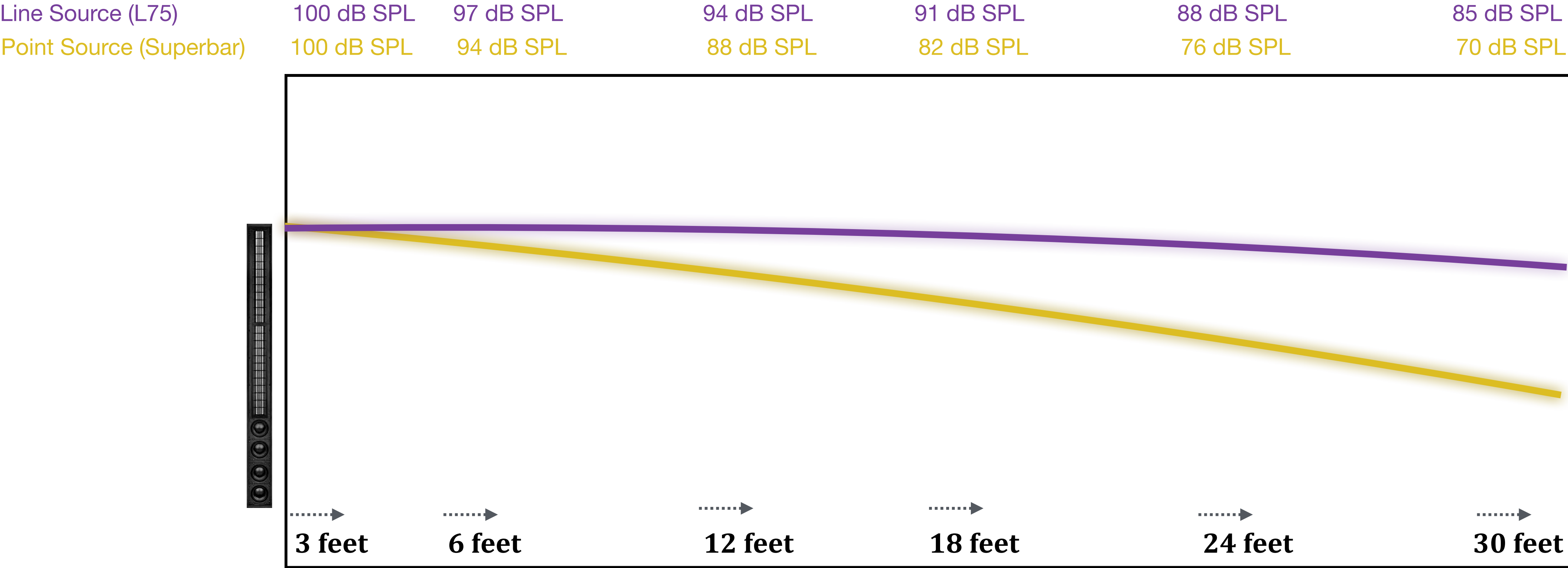


L75 in-wall or on-wall - Custom Length

Living Room Front Wall Elevation Renderings



Living Room



POWER OVER DISTANCE

LINE SOURCES HAVE 1/2 THE PROPAGATION LOSS OF POINT SOURCES, PROVIDING BETTER SOUND CONSISTENCY IN A LARGE ROOM

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

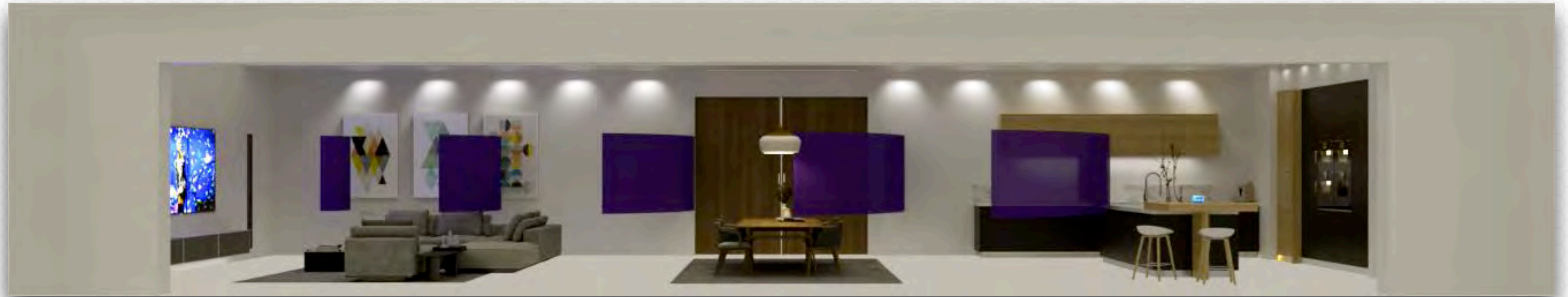
Enhanced clarity and superior intelligibility

More uniform sound level to each listener

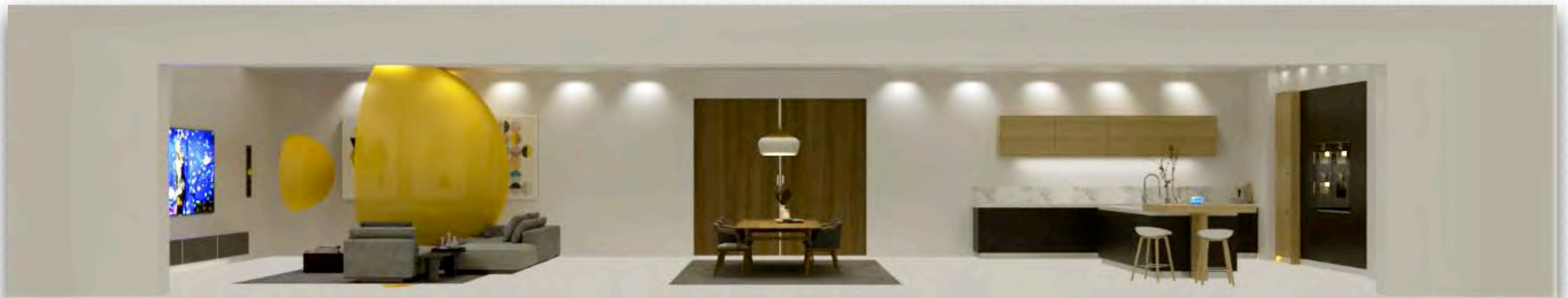
Every seat becomes a money seat

Every guest hears much the same volume and quality

LINE SOURCE



POINT SOURCE



CLARITY

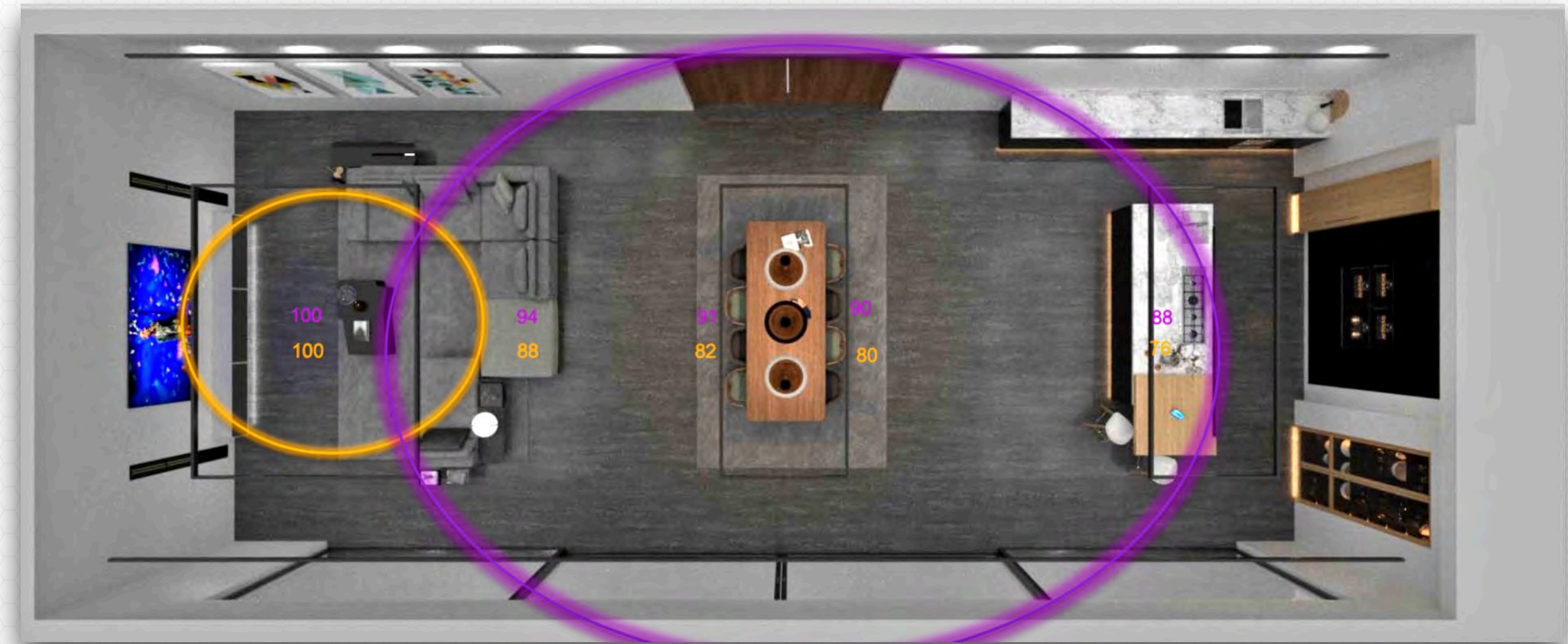
LINE SOURCE PROVIDES MORE DIRECT SOUND VERSUS REFLECTED SOUND

LINE SOURCE

91dB SPL
+/- 3 dB

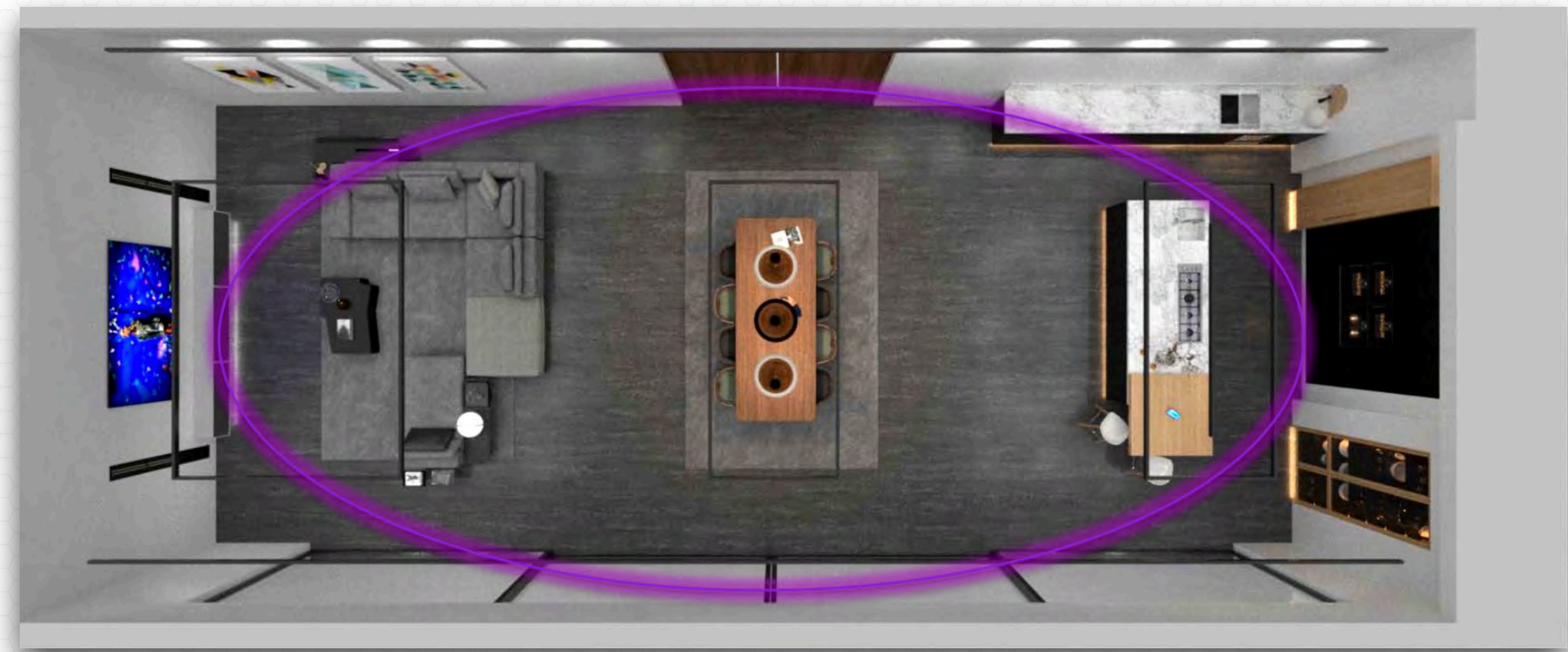
POINT SOURCE

91dB SPL
+/- 3 dB



LINE SOURCE

94dB SPL
+/- 6 dB



A SHARED EXPERIENCE

LINE SOURCE PROVIDES A WIDER SWEET SPOT