



STUDIO
SOUND
SERVICE

MAF

Milano Audiovisual Forum

Studi in Dolby Atmos
per la produzione audiovisiva

Who we are



Studio Sound Service is a well-established design and consultancy company that specialises in every aspect of acoustics and sound systems.

Founded in 1983

SSS has built an enviable reputation for the production of world class performance and recording spaces, from personal studios to large scale film, broadcast and corporate facilities.

By combining aesthetic and technical skills with decades for experience SSS strives to make every project successful, both sonically and visually.



Donato Masci
Physicist & Acoustic Designer - CEO



Cecilia Torracchi
Acoustic & Civil Engineer - Partner



Giulia Bondielli
Acoustic & Building Engineer - Partner



Elena Rossi
Acoustic & Building - Architectural Engineer



Niccolò Pizzamano
Architect & Acoustic Designer



Chantal Valdambrini
Communication Manager

ADR, Post & Broadcast. Cinema Mixing studios. Gaming Studios.

- Iyuno (ex SDI Media) Acoustic Designers (more than 15 countries)
- Cinecittà Studios (Postproduction Facility 2020 Renewal) @ Rome
- Dubbing Brothers (Italy, USA)
- 3Cycle postproduction Facility @ Rome
- FOX Dolby Atmos Studios @ Rome (IT), München (DE), London (UK)
- Netflix Facility @ Rome
- Disney Facility @ Warsaw (PO), Milan
- inHouse (Oscar winner Sorrentino) @ Roma

Music Studios (400+)

- Cicaletto Recording – Francesco Ponticelli @ Arezzo
- Aemme Recording Studio – Salvatore Addeo @ Lecco
- D:POT Recording Arts @ Prato – Fabrizio Simoncioni
- Mulinetti Studio @ Genova – Alberto Parodi
Resolution Award 2015 Best Audio Facility
- The Garage @ Civitella v.d.C. (AR)
Resolution Award 2014 Best Audio Facility
- House of Glass @ Viareggio (LU) – Gianni Bini
Resolution Award 2013 Best Audio Facility
- SonicFab Studio @ Pioltello (MI)
- Waves Music @ Genova
- Marco Borsatti Studio @ Bologna
- Pop Fiction – Janie Price @ Firenze
- Sugarmusic @ Milano
- Experimental Studios @ Torino

Dolby Atmos Music Studios: 50+ rooms

Dolby Atmos Home Entertainment Studios: 80+ rooms

Dolby Atmos Theatrical Studios: 10+ Theatres

Personal Studios:

- Andrea Bocelli, Asaf Avidan, Biagio Antonacci, Daniele Silvestri, Damian Lazarus, Diego Calvetti, Enrico Cremonesi (Fiorello), Enrico Melozzi, Fabio Rovazzi, Federica Vincenti (Michele Placido), Gabry Ponte, Giorgia Angiuli, Irko (Kanye West sound engineer), Luca Agnelli, Marco Masini, Marco Messina (99 Posse), Merk & Kremont, Nari&Milani, Paolo Sandrini, Petra Magoni, Piero Pelù, Pino Iodice, Renato Zero, Vinai.

- Barys Arena (ice hockey) @ Astana, Kazakhstan
- Parlamento del Kazakhstan @ Astana, Kazakhstan
- Chorus Life (arena e cittadella) @ Bergamo
- Stadio Tardini @ Parma

- Hospitals: Nuovo Ruggi @ Salerno, Cesena

- George Lucas Home Theater, Italy
- Cinema Barberini @ Roma

- Chiesa Santa Maria Nuova (Arch. M. Botta) @ Terranuova B. (AR)
- Duomo di Siena new audio system

- Prada Auditorium and Conference Room via Orobica @ Milano
- Presentation room Ferrari HQ @ Maranello (MO)
- Siemens HQ @ Milano
- Heineken HQ @ Milano
- Leonardo Elicotteri @ Milano

- Four Seasons Hotel @ Firenze
- Portrait Milano – Ferragamo @ Milano
- Caffè dell'Oro – Ferragamo @ Firenze
- Hotel Veronesi (Calzedonia) @ Verona

- EVAC Dubai Metro
- EVAC Bahrain and Islamabad airport (THALES)
- EVAC Scuola di Magistratura Castelpulci @ Scandicci Firenze

- Teatro del Popolo @ Castelfiorentino (FI)
- Teatro del Popolo @ Colle di Val d'Elsa
- Teatro del Popolo @ Poggibonsi
- Teatro il Ferruccio @ Empoli
- Teatro Marconi @ Pistoia
- Teatro Nazionale @ Firenze

Studio Sound Service
is the only Italian
Dolby CSP.

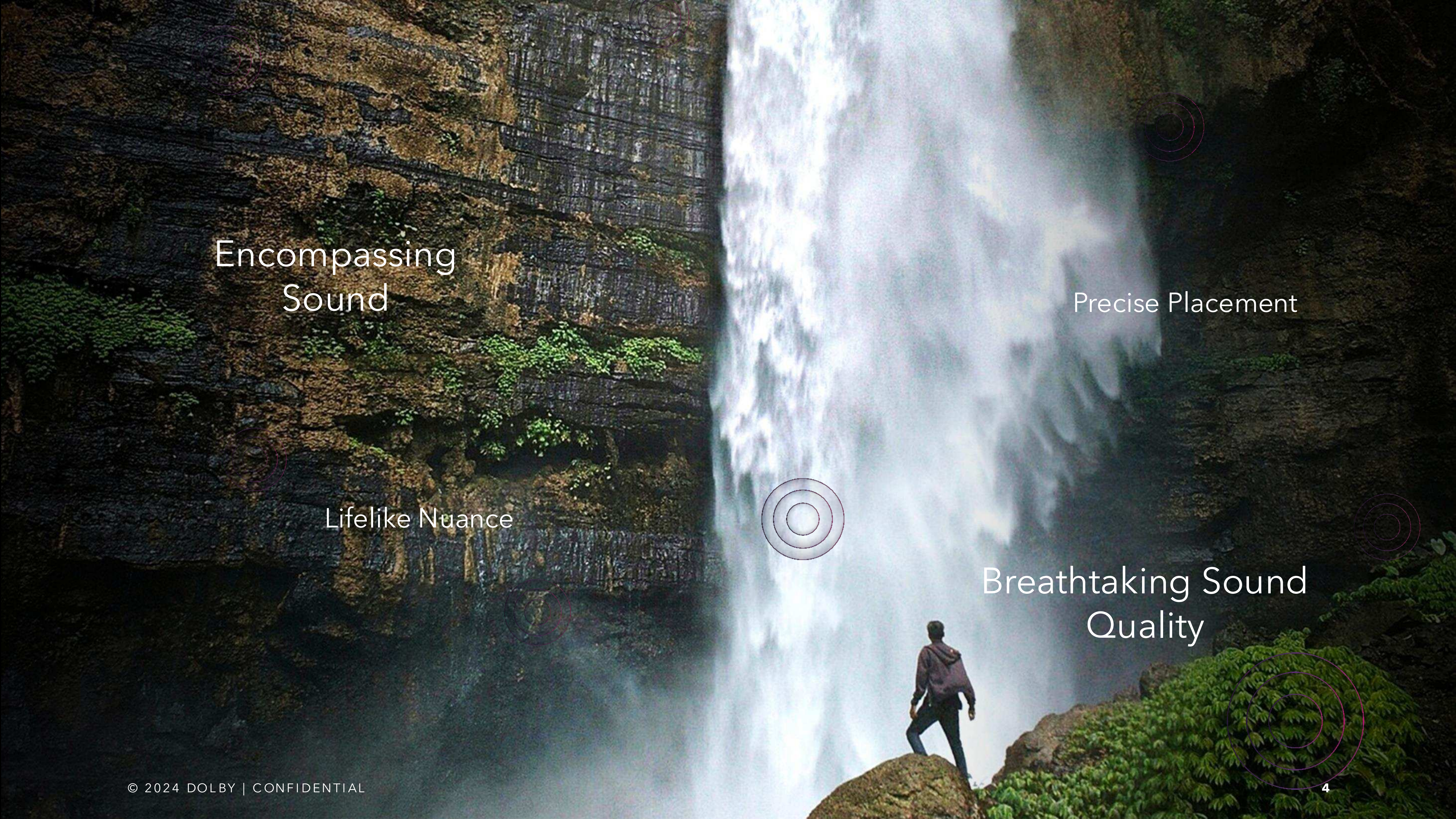
We can provide
design,
commissioning and
consultancy services
worldwide with
Dolby's certified
quality standards.

The Dolby logo is displayed in white on a red rectangular background. It features a stylized 'D' composed of two semi-circles, followed by the word 'Dolby' in a sans-serif font.

Certified service partner



What is Dolby Atmos?



Encompassing
Sound

Precise Placement

Lifelike Nuance

Breathtaking Sound
Quality

24 bit
48/96 KHz

Objects + Beds

Mentre l'uso di oggetti audio fornisce il controllo desiderato per effetti discreti, altri aspetti della colonna sonora di un film funzionano in modo efficace in un ambiente basato sui canali.

- A. i “beds” sono submix o stems basati sui canali (5.1, 7.1 o 9.1)
- B. gli effetti ambientali e i riverberi traggono effettivamente vantaggio dall'essere inviati a matrici di altoparlanti -> canali invece che oggetti.



Figure 2.2 Object and Bed Combination

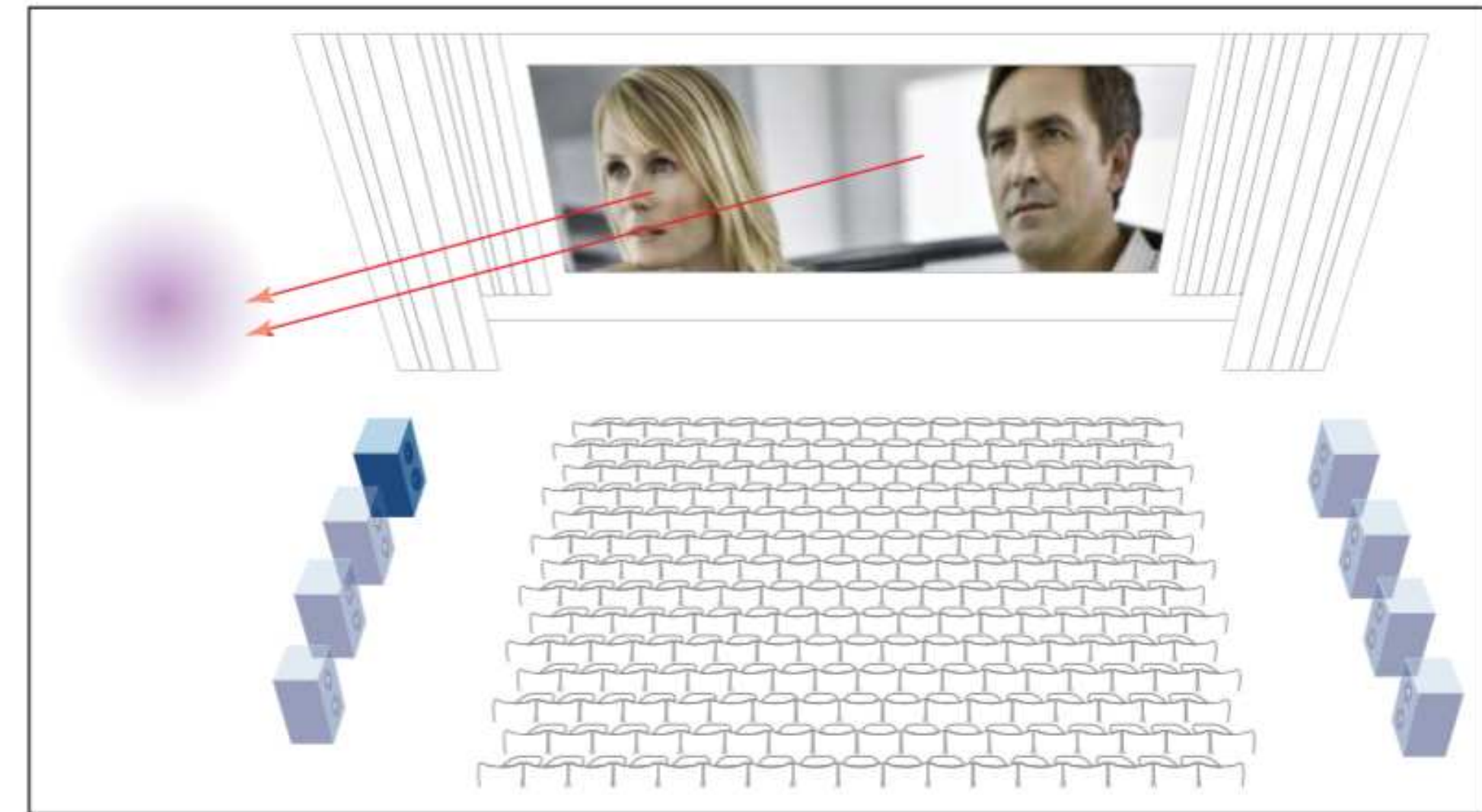
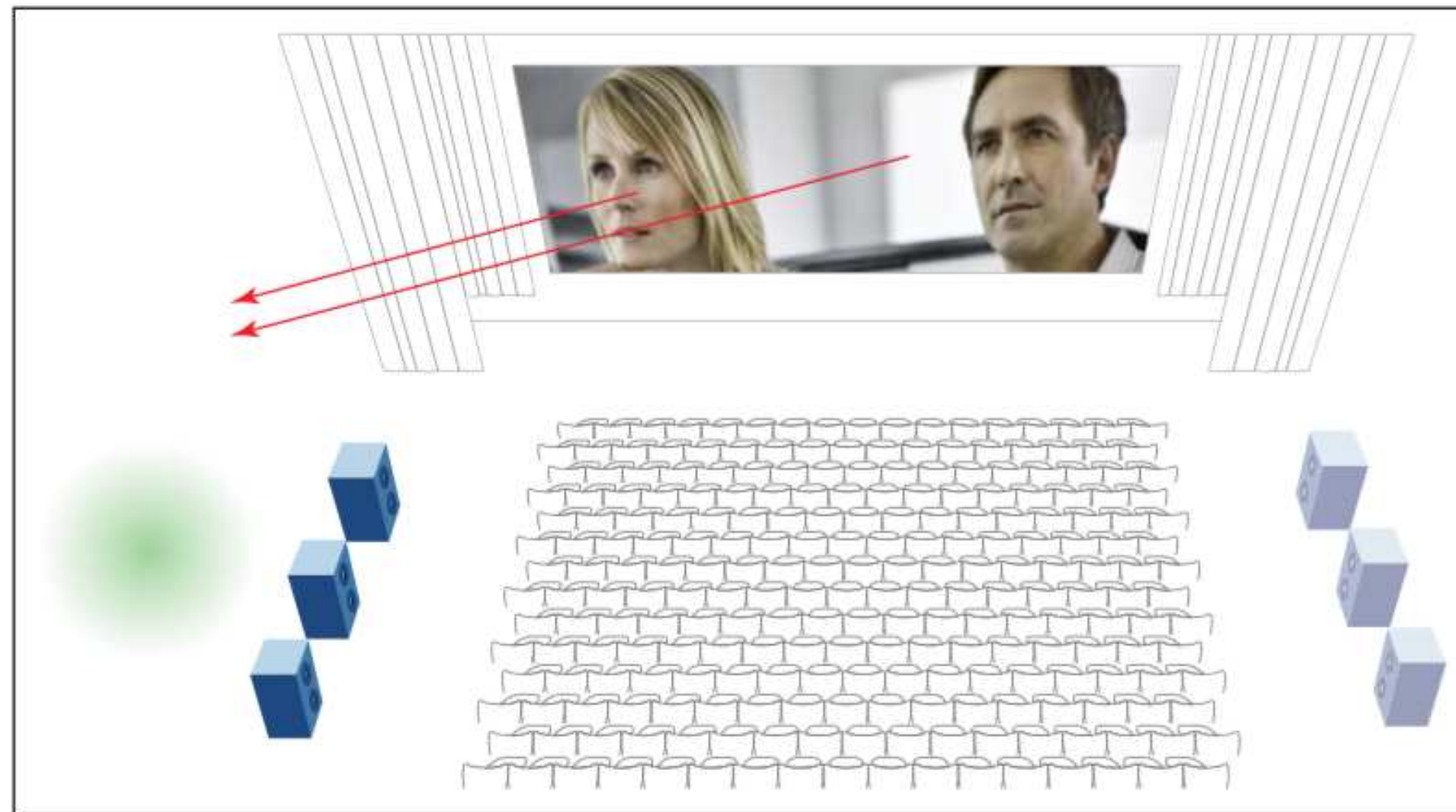
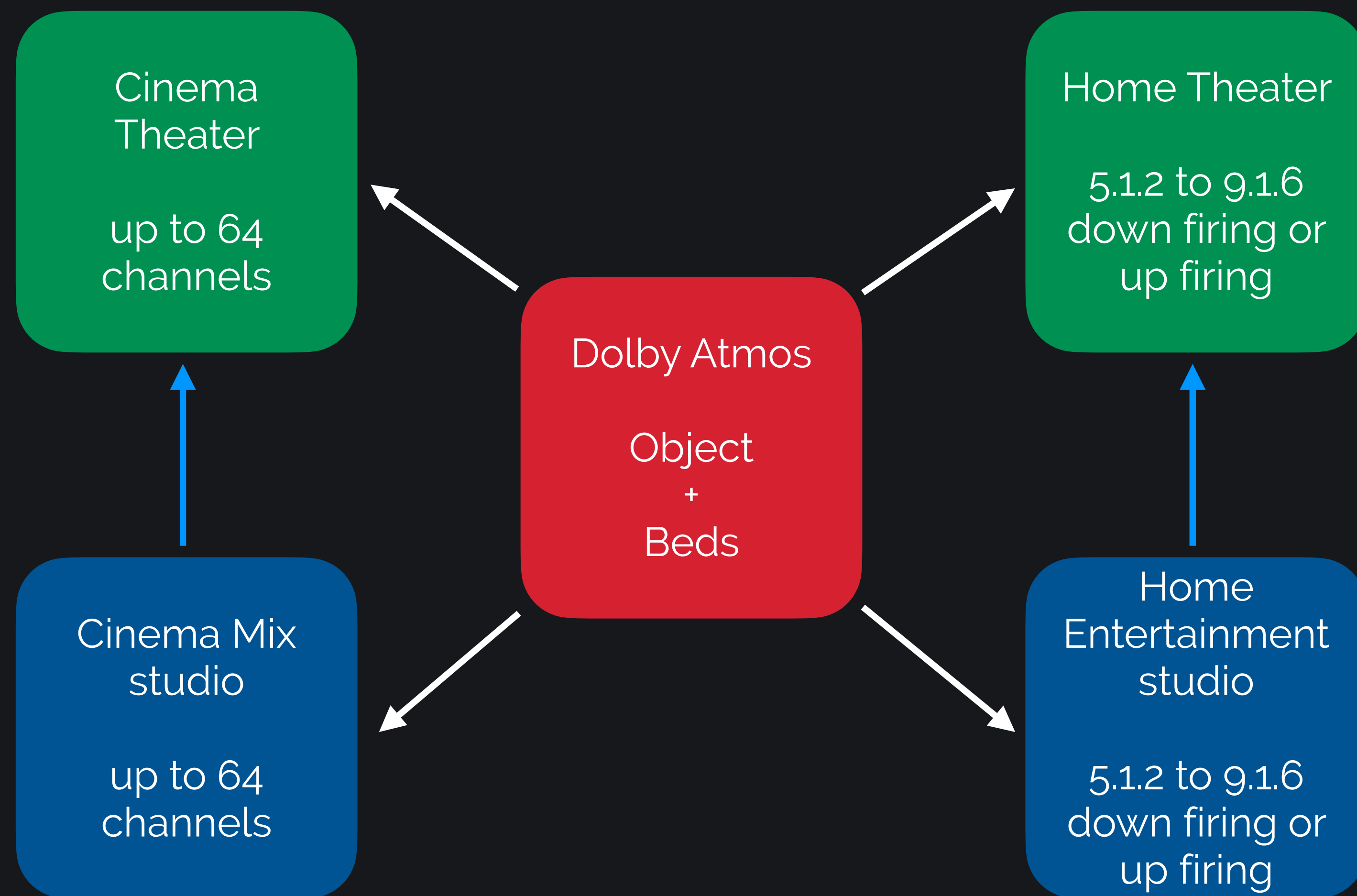


Figure 2.1 Benefits of Increased Surround Resolution for Audio/Visual Coherence

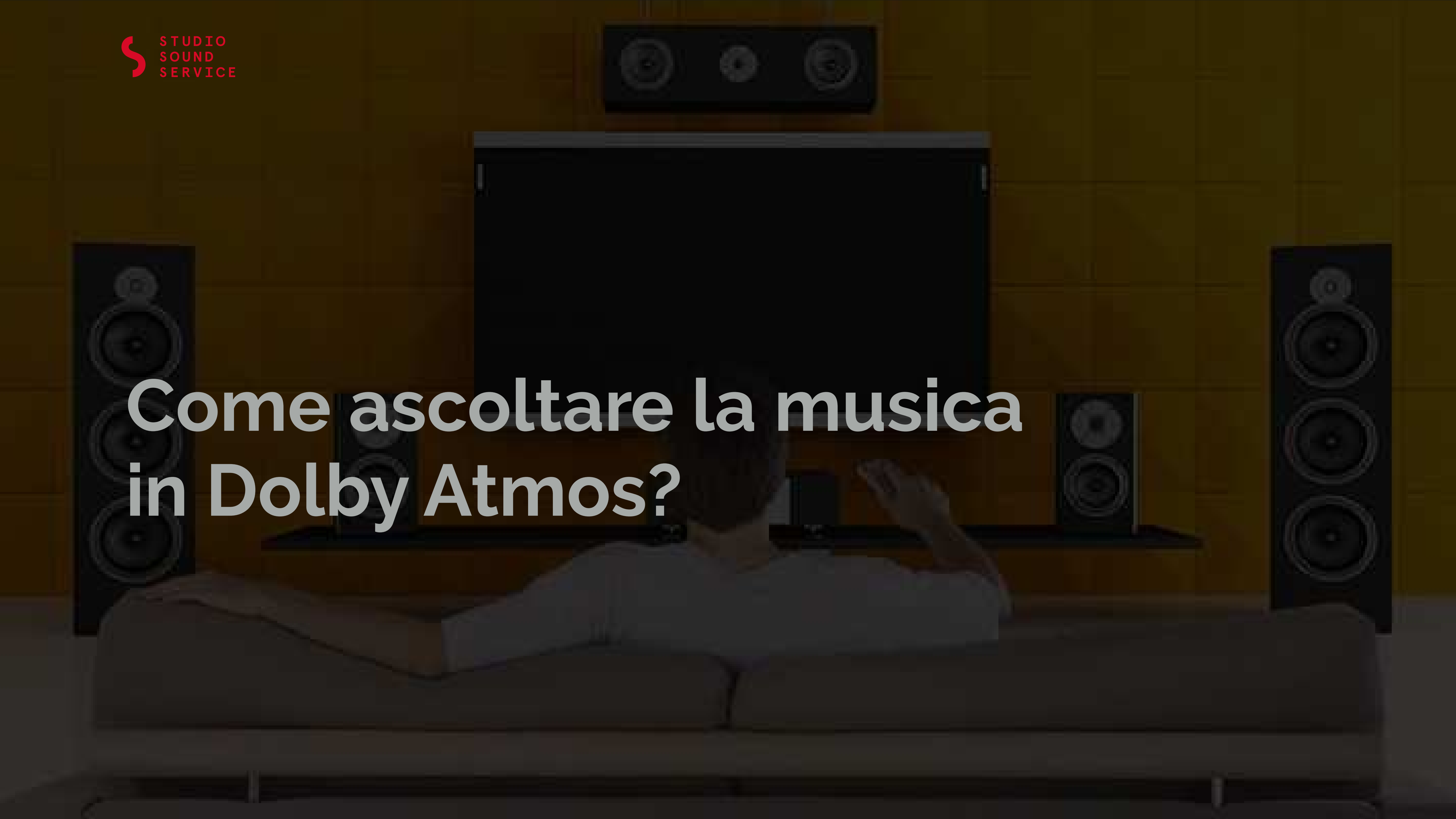
Audio Objects:
elementi sonori (singoli o gruppi) che
condividono la stessa posizione fisica
nell'auditorium

- A. Possono essere statici o in movimento.
- B. Controllati da metadati che dettagliano la posizione del suono in un dato momento.
- C. Quando gli oggetti vengono monitorati o riprodotti in una sala, vengono renderizzati in base ai metadati posizionali utilizzando gli altoparlanti presenti, anziché essere necessariamente emessi su un canale fisico.



- A. Different speaker locations can differ in effectiveness depending on the theatre design.
- B. Dolby Atmos is adaptable and able to playback accurately in a variety of auditoria *(highly flexible configurations)*.
- C. The speakers layout remains compatible with previous cinema systems.
- D. In contrast to using all 64 output channels available, the Dolby Atmos format can be accurately rendered in the cinema to other speaker configurations such as 7.1, allowing the format to be used in existing theatres with no change to amplifiers or speakers.

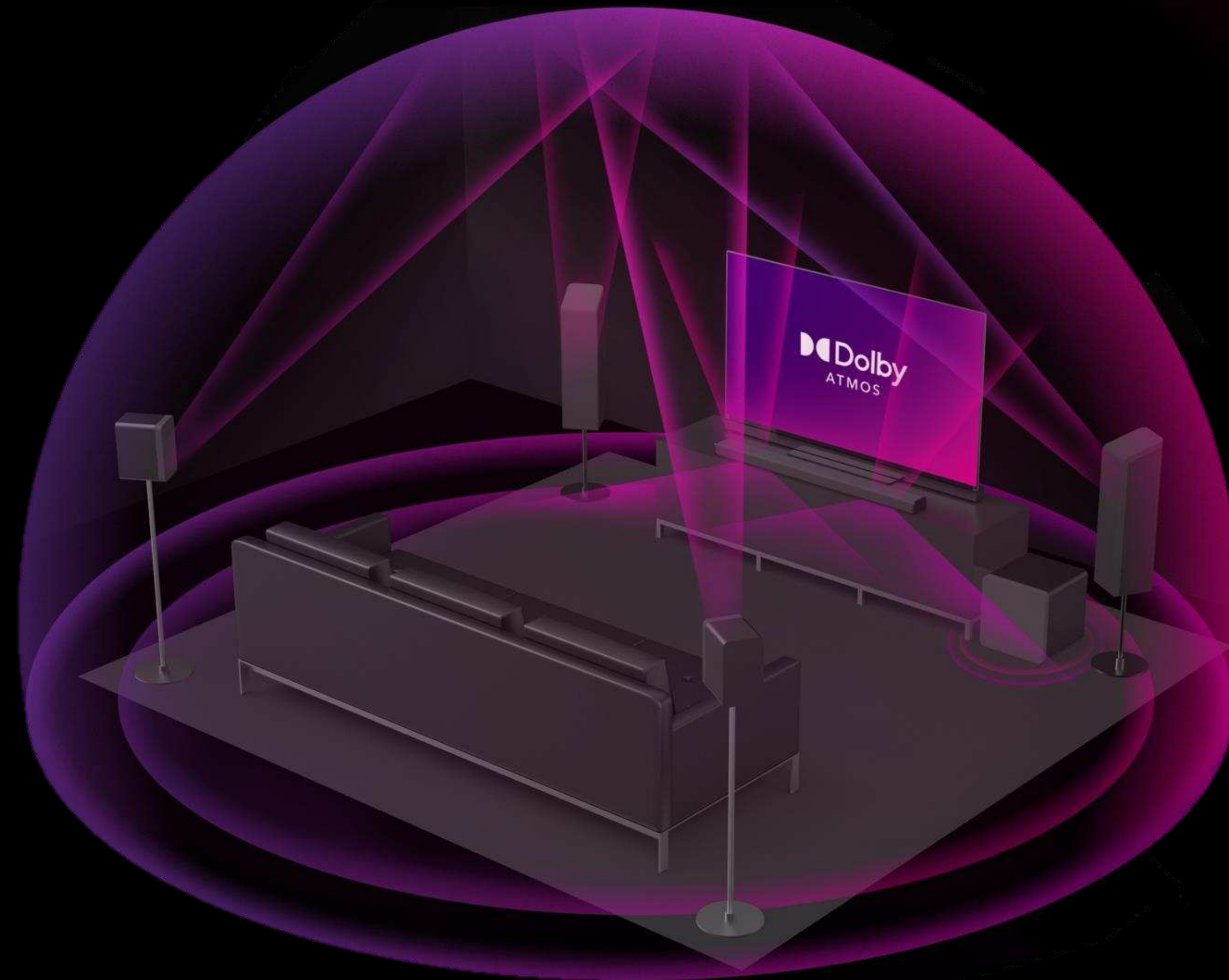
Come ascoltare la musica in Dolby Atmos?



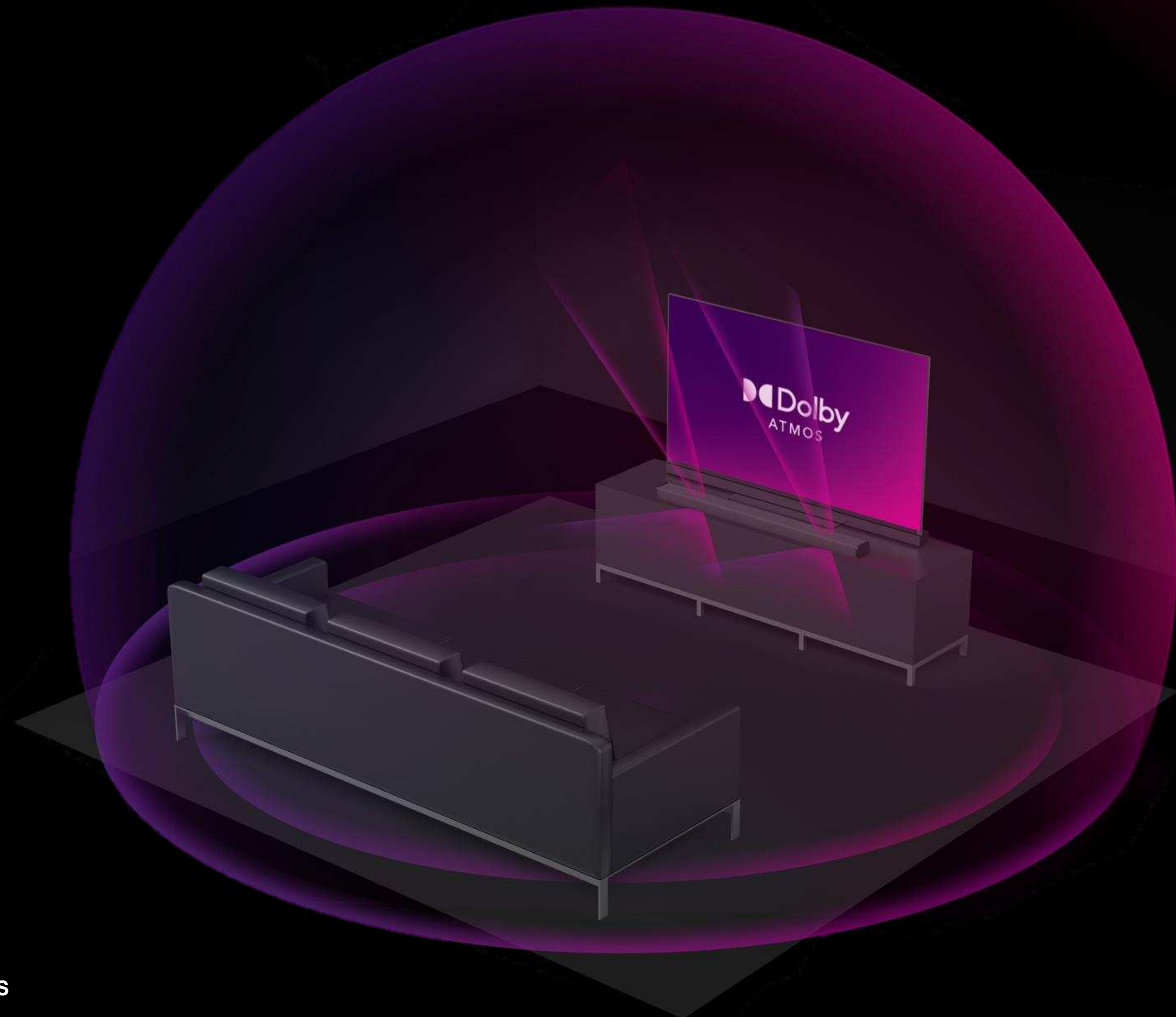
Dolby Atmos at Home



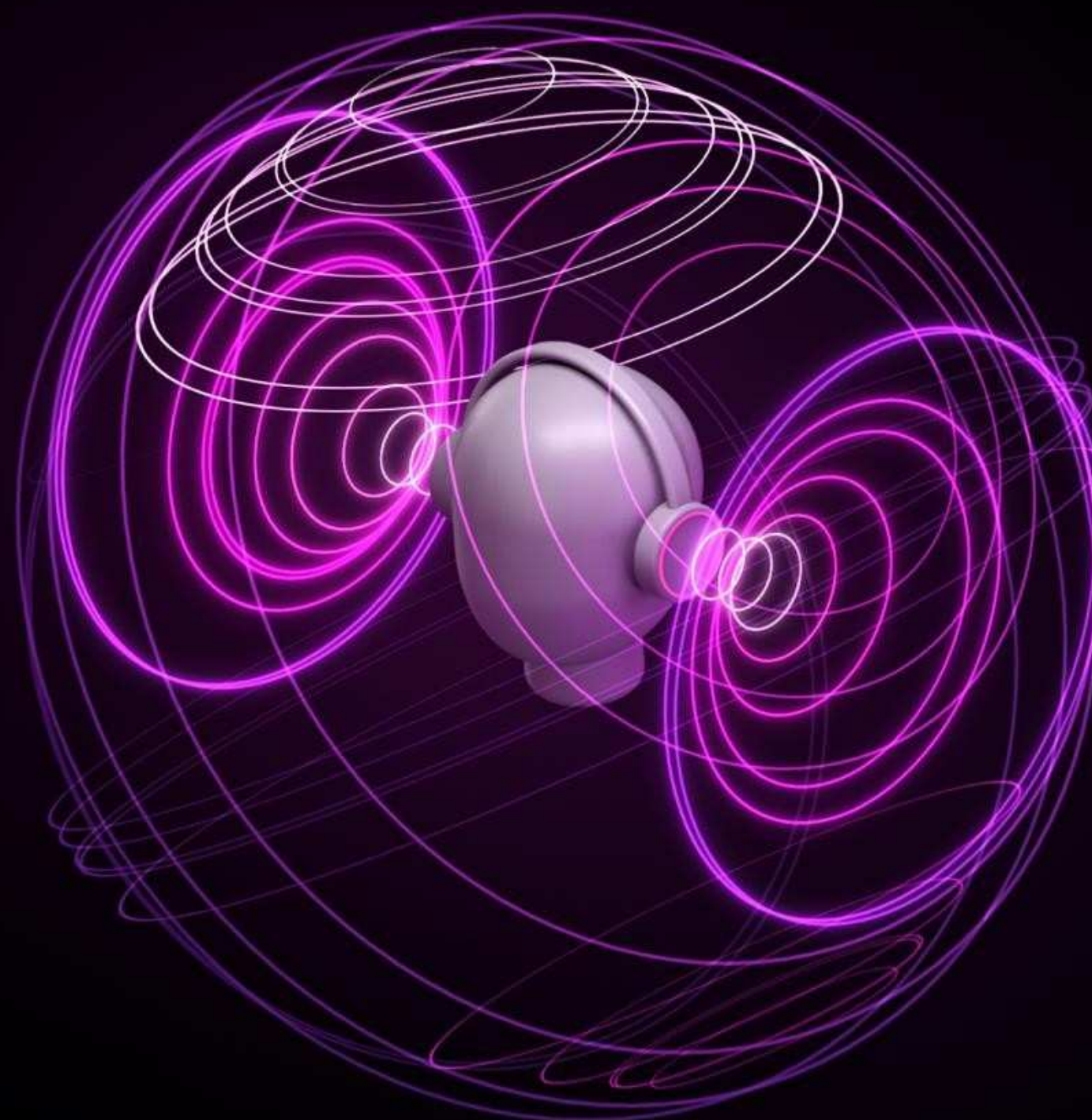
Dolby Atmos at Home



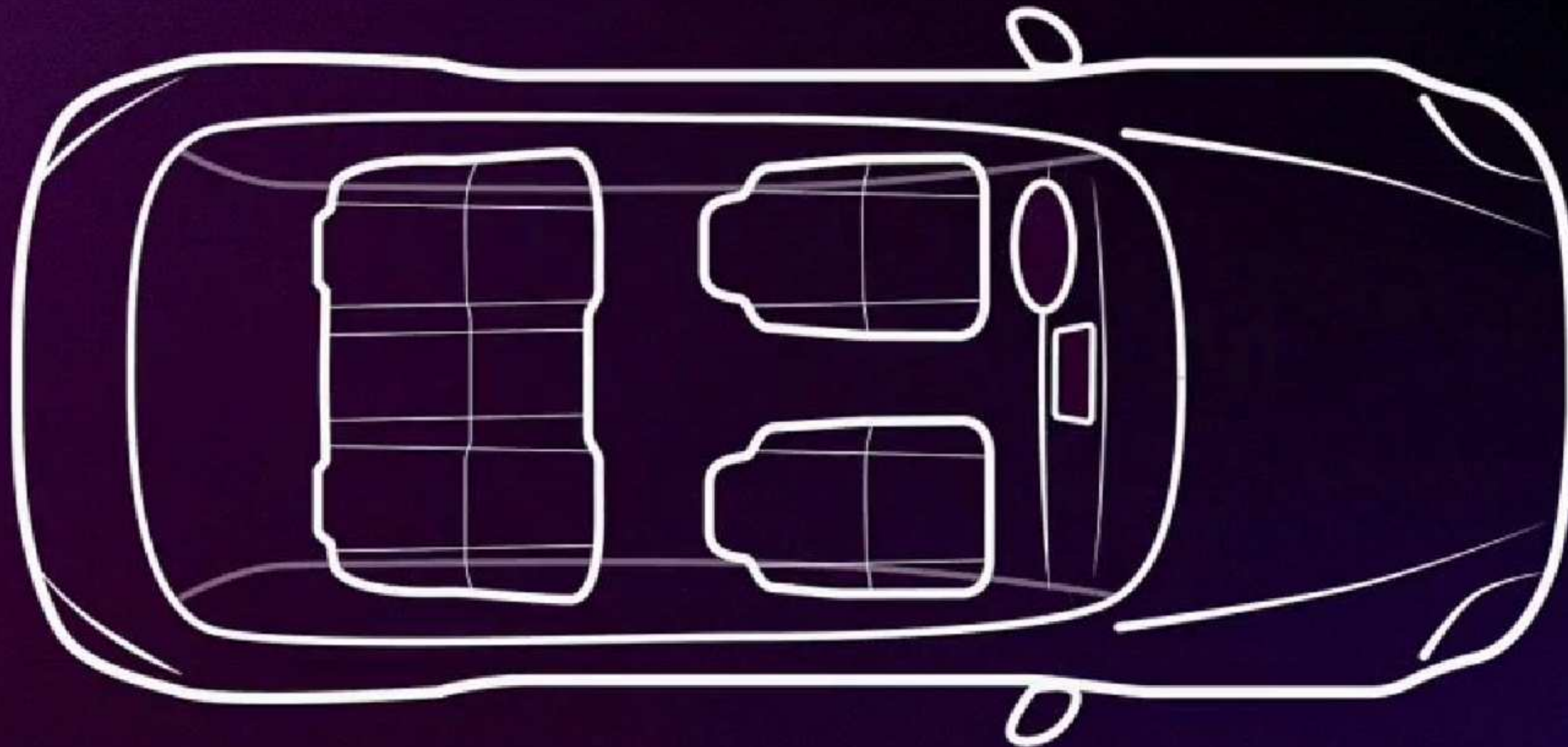
Dolby Atmos at Home



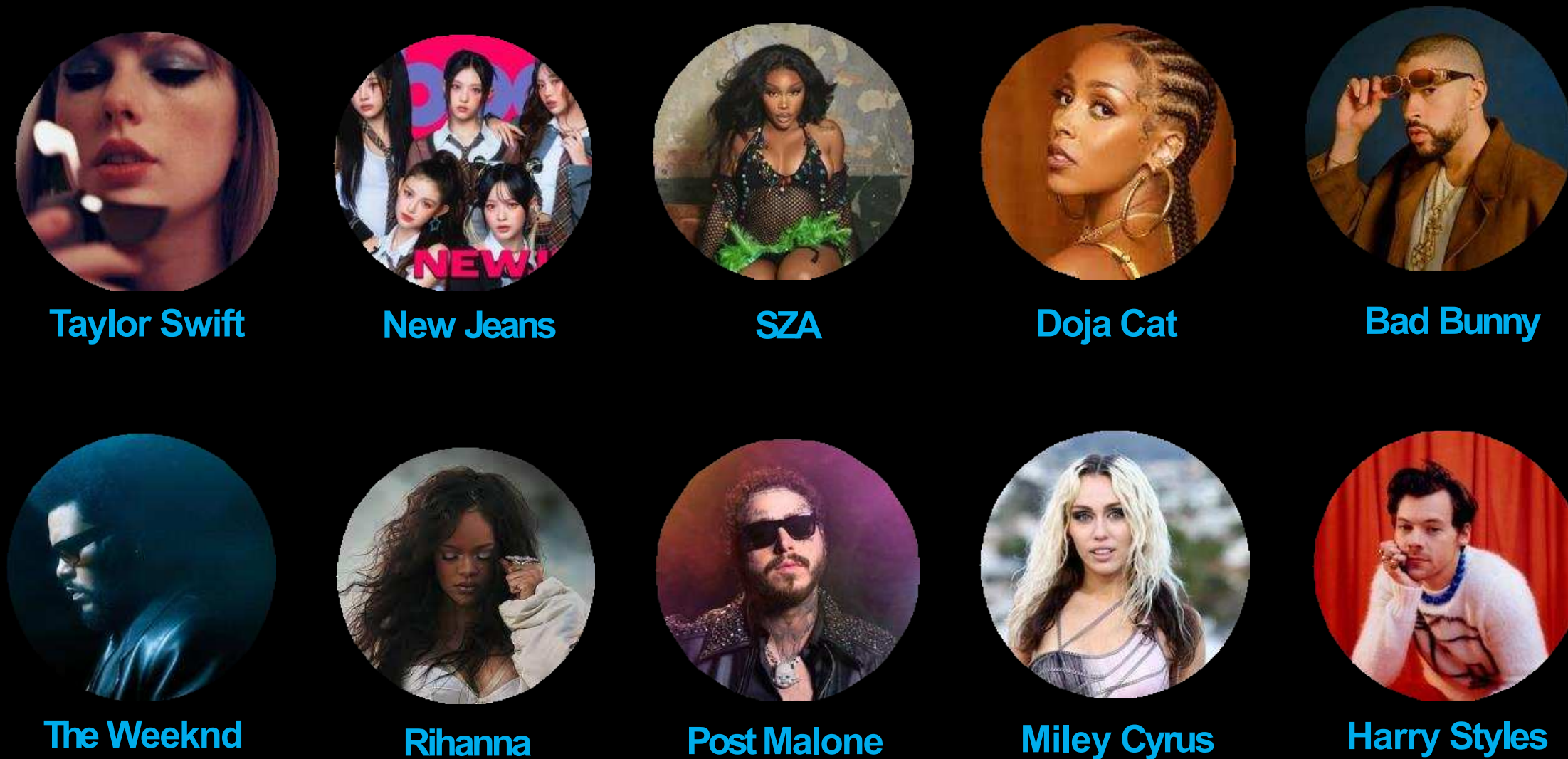
Dolby Atmos for Headphones



...and in Cars



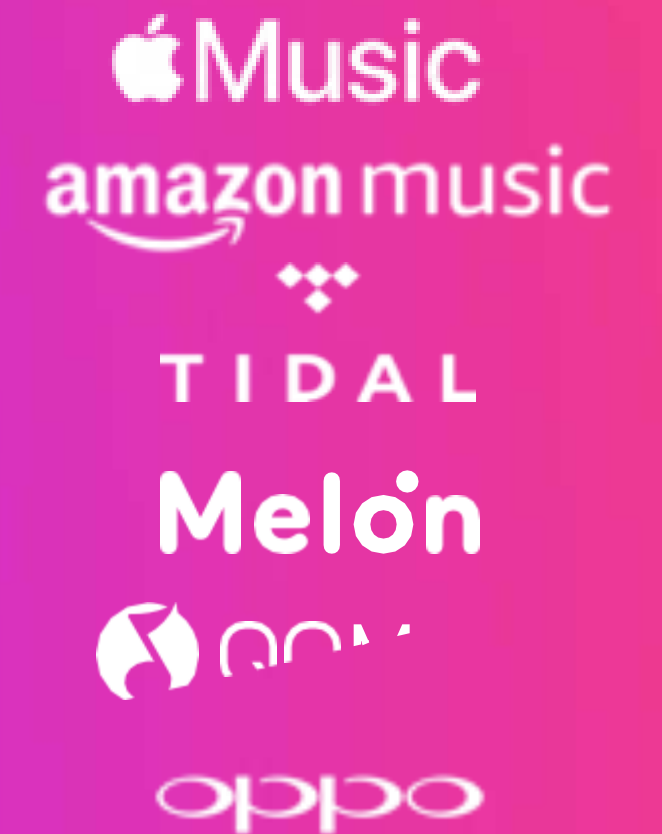
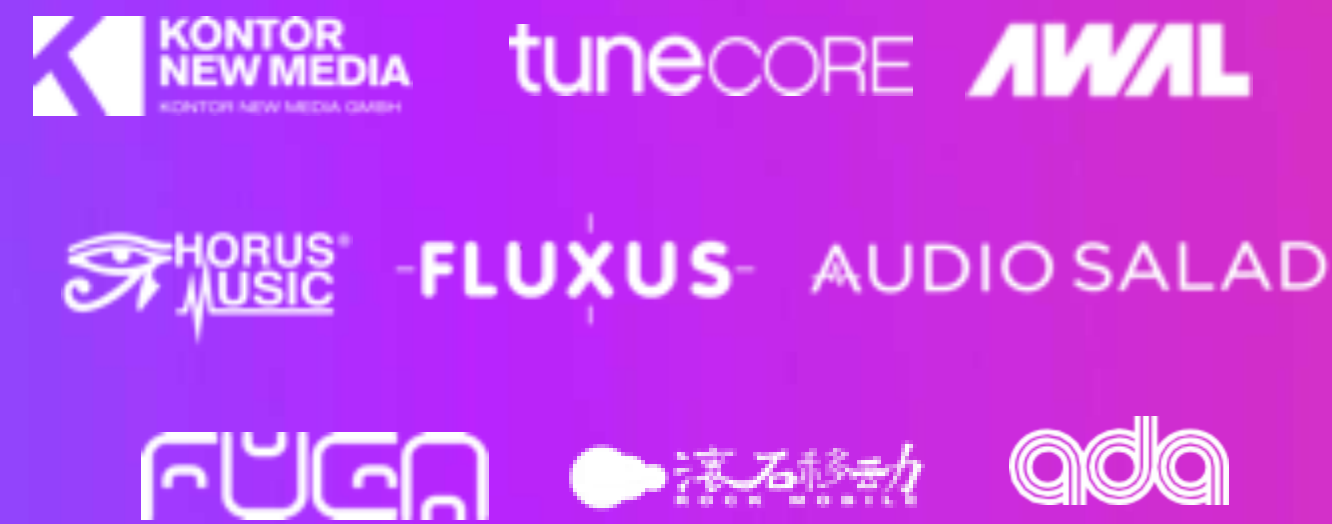
92% of Billboard's Top 100 artists
have been released in Dolby Atmos



84% of Billboard's Hot 100 songs
have been released in Dolby Atmos



2024 Dolby Atmos Music content ecosystem



Dolby
ATMOS



Over 3B Dolby Atmos products are in the market

Apple
SONOS
JBL
SAMSUNG
LG
BOSE

Xbox
nVIDIA
VIZIO
SONY
PHILIPS

Apple
Microsoft
SAMSUNG
Lenovo
DELL ASUS
xiaomi

Apple
SAMSUNG
SONY
oppo
Lenovo

SONOS
amazon
Apple
JBL

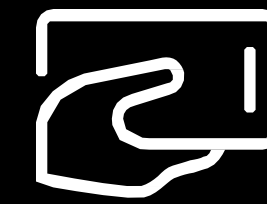
Mercedes-Benz
LUCID
NIO
VOLVO
Polestar



Home
Sound Bar, TV, Gaming, Home Theater, DMA



PC



Mobile



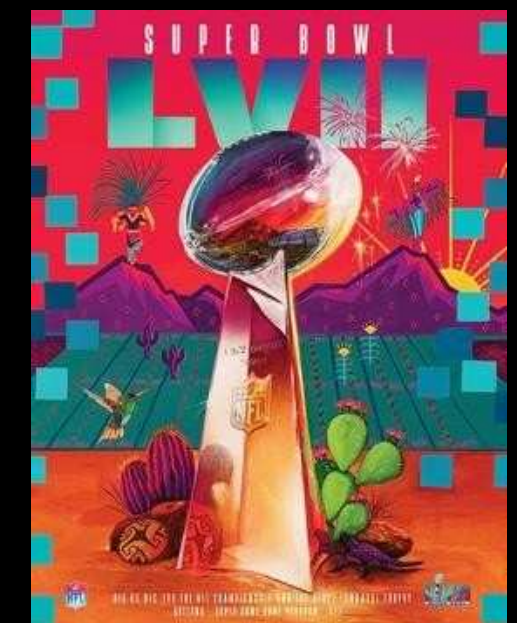
Smart Speaker



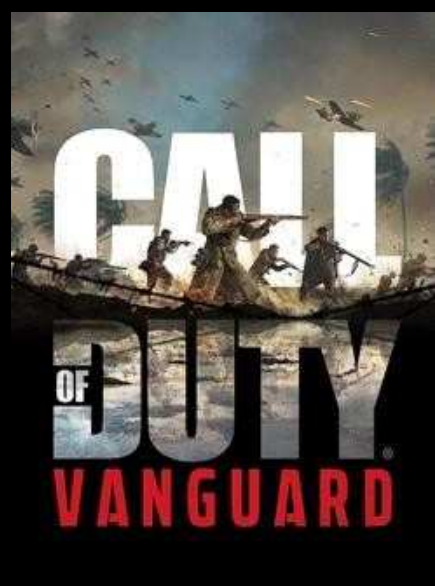
Automotive

Dolby enhances content across myriad categories and genres, with more emerging all the time

TV + 17,300 | + 7,000 Movies + 3,000 | + 1,900 Sports

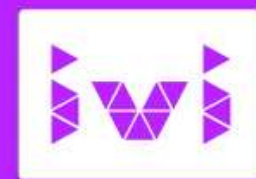


Games + 160 | + 100 Music



■ Dolby Vision ■ Dolby Atmos

... and is distributed by leading global and regional streaming services



Dolby Atmos Content Categories

Cinema



Home Entertainment



Live-Broadcast



Games



Music



Podcast



Dolby Atmos Technical Guidelines

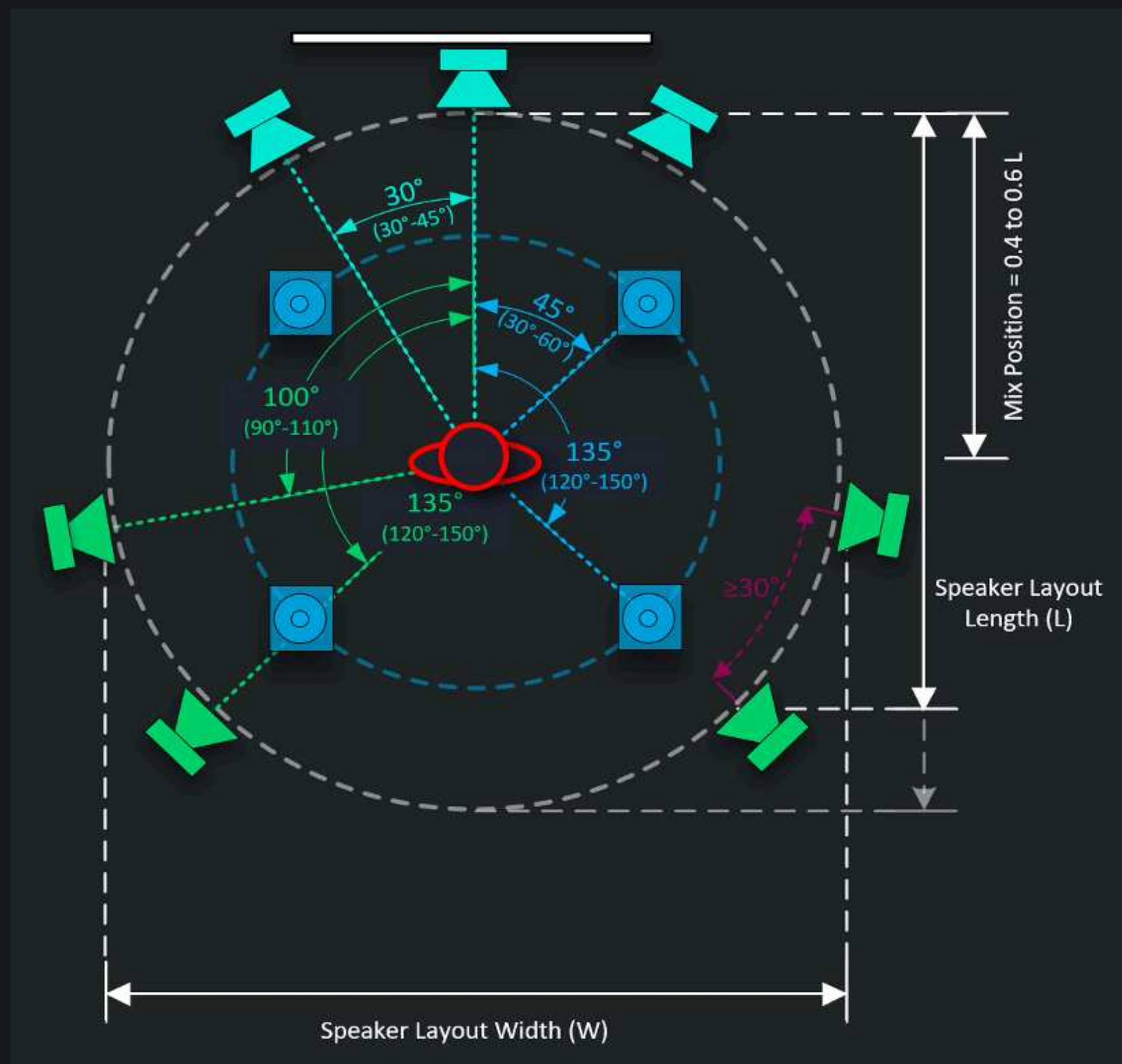
Dolby Atmos Music (HE) Studio

Requirement generali

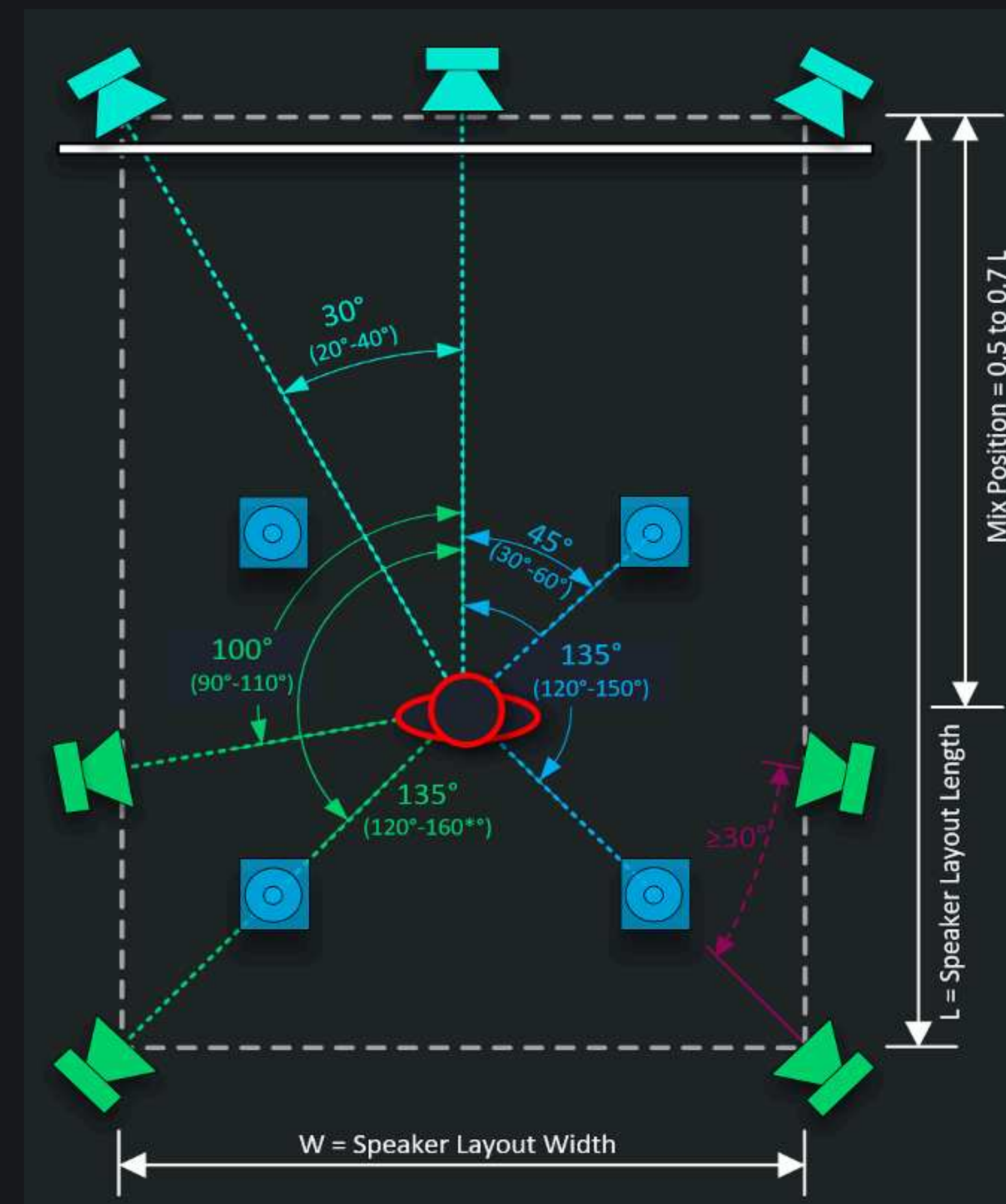
1. Dimensioni studio (speaker layout)
($H > 2.4\text{m}$ $W > 3\text{m}$ $L > 3.5\text{m}$, $V > 50\text{m}^3$)
Distanza d'ascolto $\leq 5\text{ m}$ (racc. $\leq 4\text{ m}$)
2. Caratteristiche acustiche dello studio
3. Sistema audio (7.1.4 +) (*con angolazioni precise*)
4. SPL impianto audio $> 85\text{ dB(C)}$ (*+20 dB headroom!!!*)
5. Dolby software authoring tools DAR
(or DAW with native Atmos rendering)
6. Sistema di Calibrazione per commissioning

per assicurare una compatibilit  d'ascolto fra studi diversi, e' opportuno calibrare gli studio Atmos Music seguendo un approccio specifico in termini di SPL e curva di risposta – che dar  comunque flessibilit  operativa.

3. Sistema Audio (Angolazioni precise!)

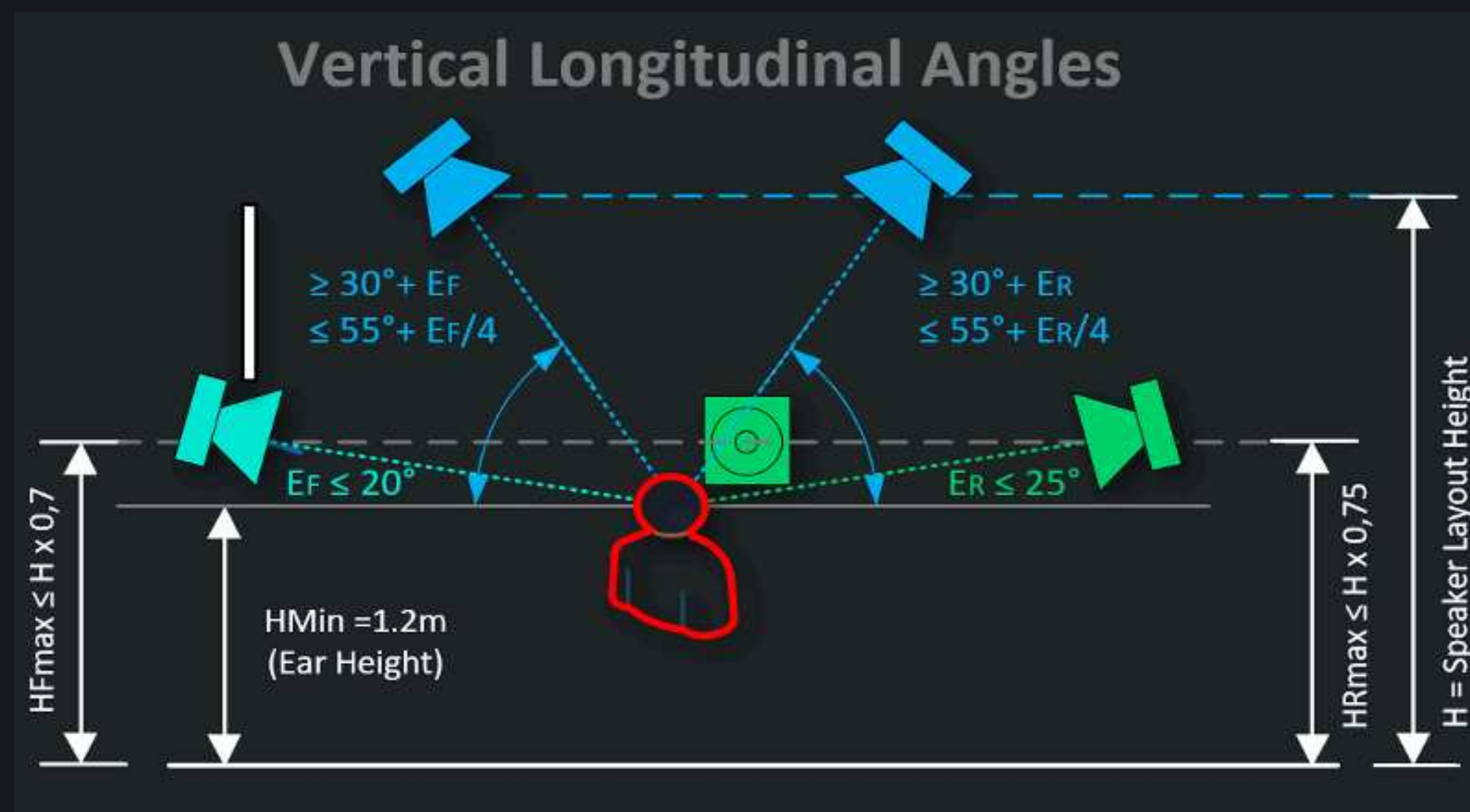


Layout Equidistante

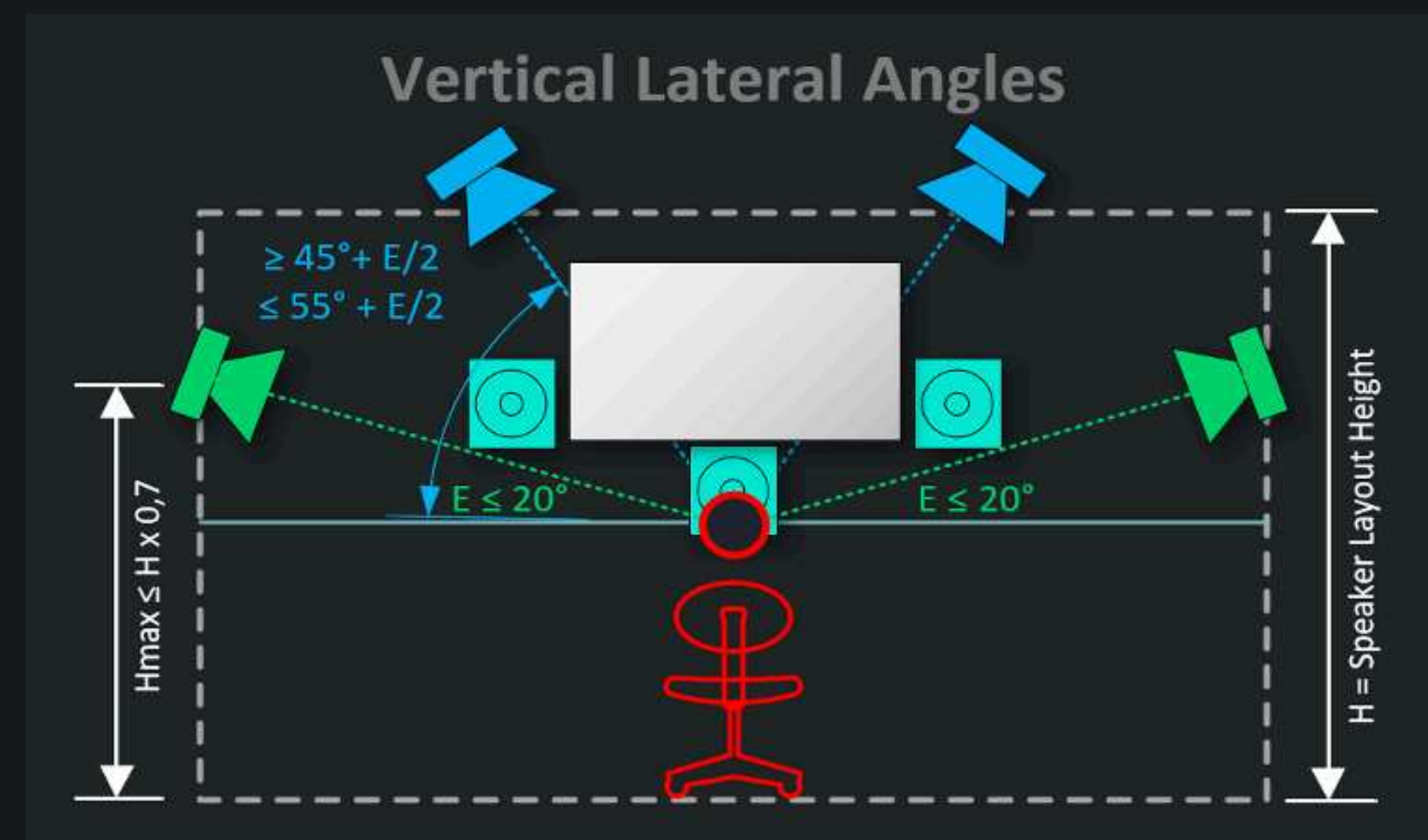


Layout Ortogonale

3. Sistema Audio (Sezioni laterali)



Sezione frontale, angoli e tolleranze



Sezione laterale, angoli e tolleranze

DARDT

Dolby Atmos Room Design Tool

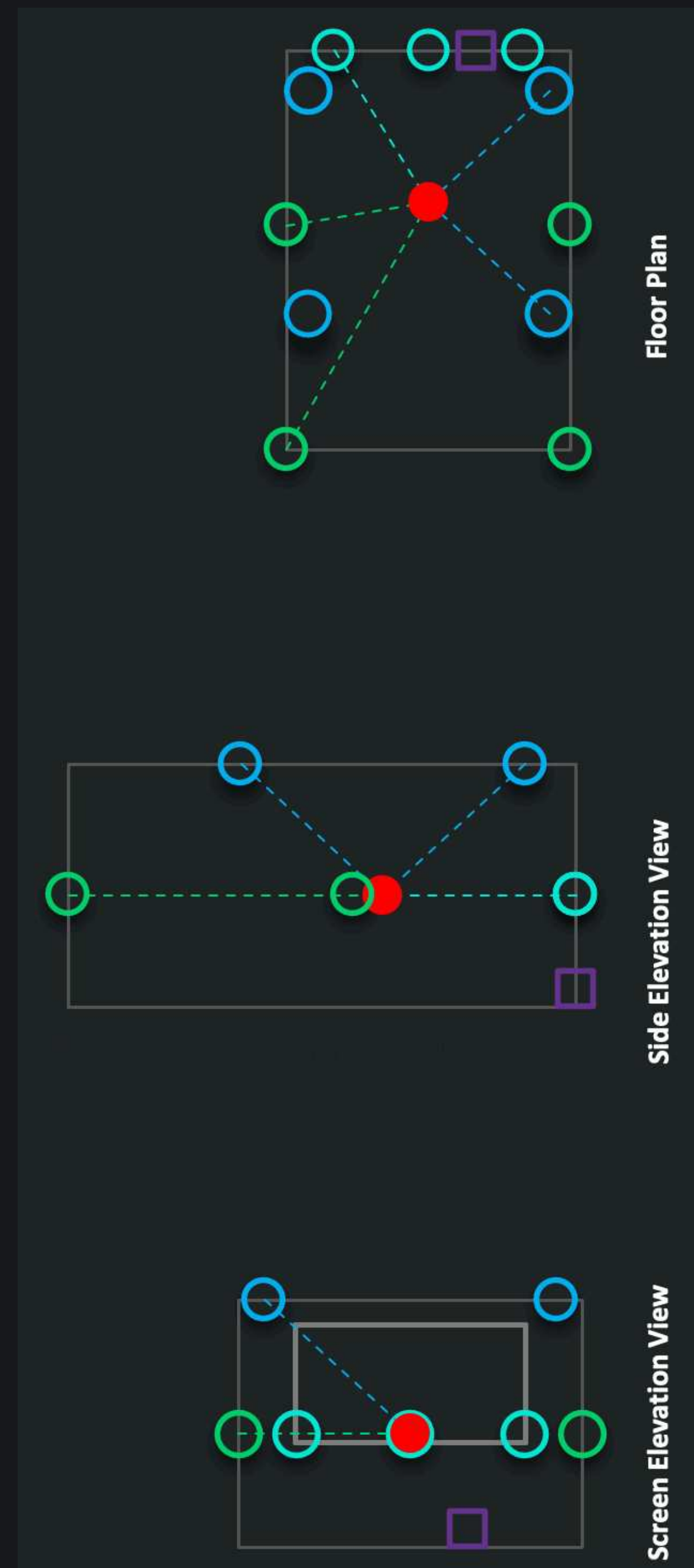
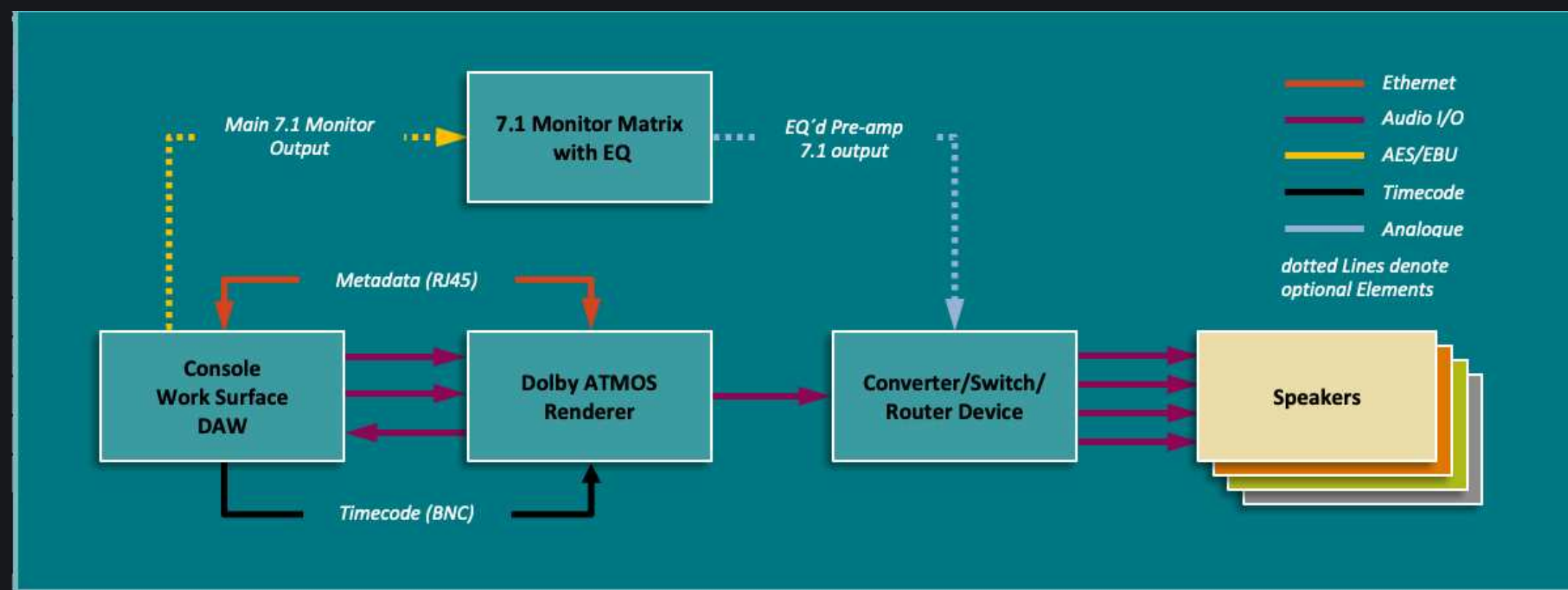
È il file excel con macro sviluppato da Dolby per configurare una sala in Dolby Atmos, ce ne sono di diversi tipi (theatrical Home Entertainment e Music)

- A. Configurazione layout monitor, dimensioni, angoli e delay rappresenta velocemente il layout
- B. Configurazione e verifica SPL
- C. Configurazione equipment
- D. Analisi e linea guida per il tempo di riverberazione ottimale
- E. Strumento di analisi acustica (room modes, boundary induced cancellation Analysis, Room dimensions ratio analysis)

Dolby Atmos Music Studio

Units		Speaker Layout Dimensions (m)					Layout Type	Circular Layout	Calibration Level	Speaker Layout				
metric		Length	Width	Height	Mix Position	Orthogonal	3,8	85 dB	7.1.4					
		Please don't use Backspace/Delete on data entry cells												
☒ Additional Speakers		☐ x-y-z Entry						☒ Select Mounting Condition		☐ Theatrical bi-amped speakers				
☐ Array Mode		Reset						Reset						
		x (m)	y (m)	Height from Floor (m)	hor angle	longitud. Elevation Angle	lateral Elevation Angle	Mounting Condition	Watts	Sensitivity	Ω	Watts required	Active Speaker Max Peak SPL	Headroom above Target SPL
		untick checkbox for passive speakers												
C		1,7	0,0	1,2	0°	0°		☒ Genelec 8351B 80Hz BM	Against/in Wall				122,0 dB	7,4 dB
L/R		0,6	0,0	1,2	30°	0°		☒ Genelec 8351B 80Hz BM	Against/in Wall				122,0 dB	6,2 dB
LFE		1,1	0,0	0,0				☒ Genelec 7380A	On floor or against wall				127,0 dB	-0,9 dB
☐ Lw/Rw														
Ls/Rs		0,0	2,2	1,2	100°		0°	☒ Genelec 8340A 80Hz BM	Against/in Wall				119,0 dB	8,5 dB
☒ Lrs/Rrs		0,0	5,0	1,2	152°	0°		☒ Genelec 8340A 80Hz BM	Against/in Wall				119,0 dB	2,1 dB
☐ Lfh/Rfh														
Ltf/Rtf		0,3	0,5	2,6	45°	45°	45°	☒ Genelec 8340A 80Hz BM	Against/in Ceiling				119,0 dB	5,3 dB
☐ Ltm/Rtm														
Ltr/Rtr		0,3	3,3	2,6	135°	45°	45°	☒ Genelec 8340A 80Hz BM	Against/in Ceiling				119,0 dB	5,3 dB
☐ Lrh/Rrh														
☐ Sub1/2														

Reset	Speaker Model	Reset				
	☒ Select Mounting Condition					
	☐ Theatrical bi-amped speakers					
lateral		Mounting Condition	Watts	Sensitivity	Ω	Watts required
Elevation						
Angle	untick checkbox for passive speakers					
	☒ Genelec 8351B 80Hz BM	Against/in Wall				
	☒ ATC SCM100ASL Pro					
	☒ ATC SCM110ASL Pro					
	☒ ATC SCM150ASL Pro					
	☒ ATC SCM200ASL Pro					
	☒ ATC SCM300ASL Pro					
0°	☒ Dynaudio BM 5 mkIII					
	☒ Dynaudio BM 6A					
	☒ Dynaudio BM12 mkIII					
45°	☒ Dynaudio BM 15A					
	☒ Dynaudio Core 7					
45°	☒ Dynaudio Core 47					
	☒ Dynaudio Core 59					



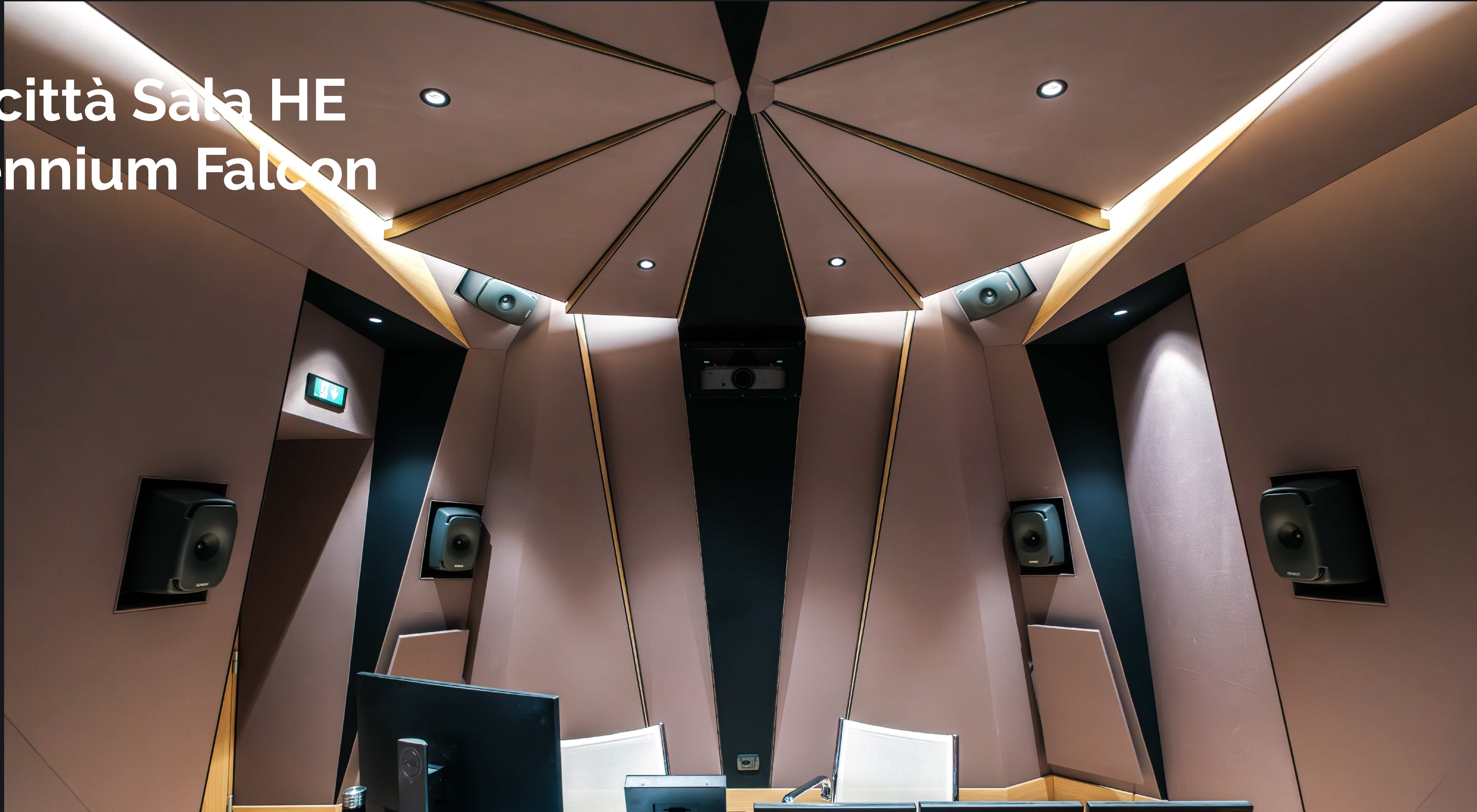
Cinecittà Sala HE Millennium Falcon

Roma



Cinecittà Sala HE Millennium Falcon

Roma



Marco Borsatti Studio

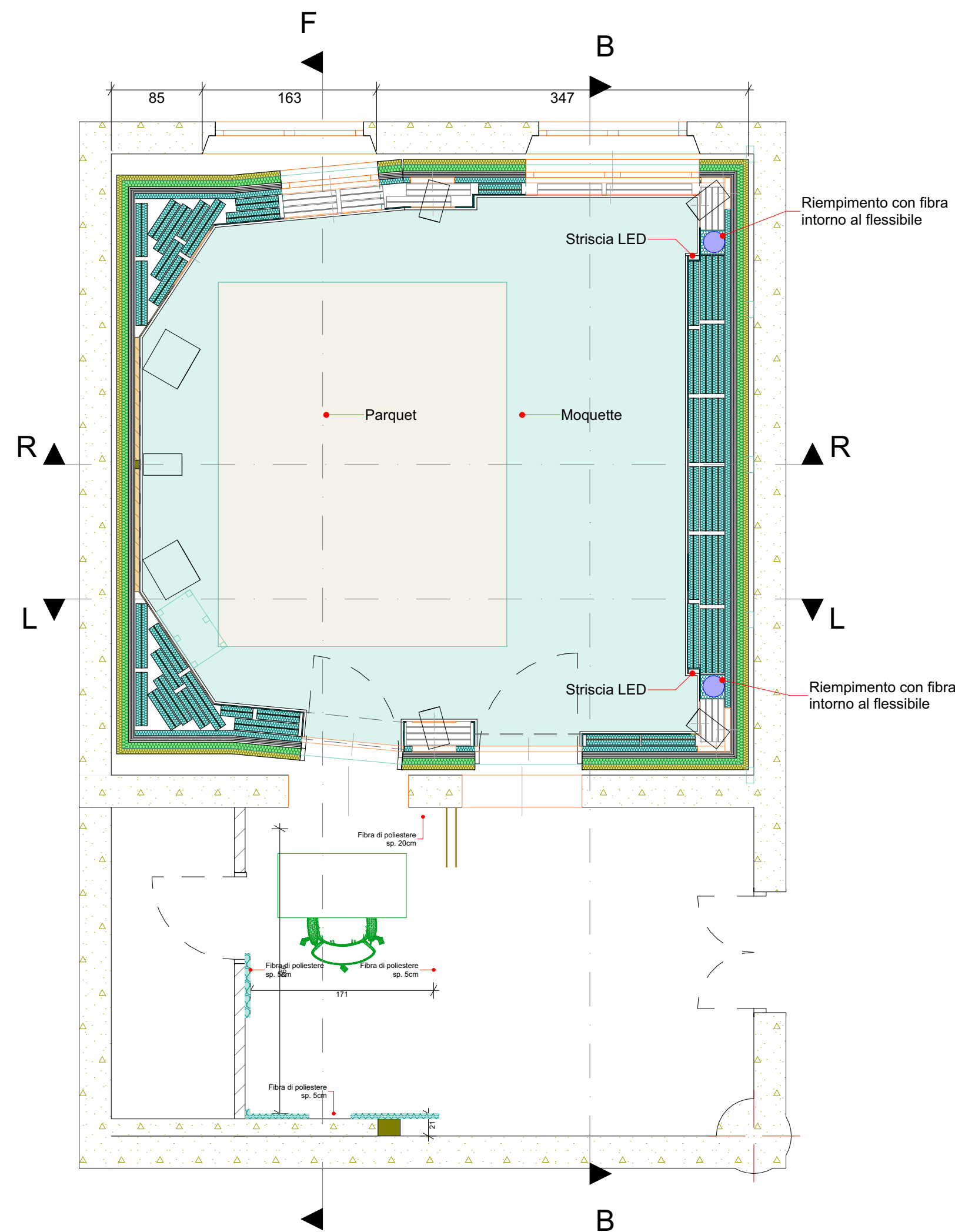
Bologna



Marco Borsatti Studio

Bologna



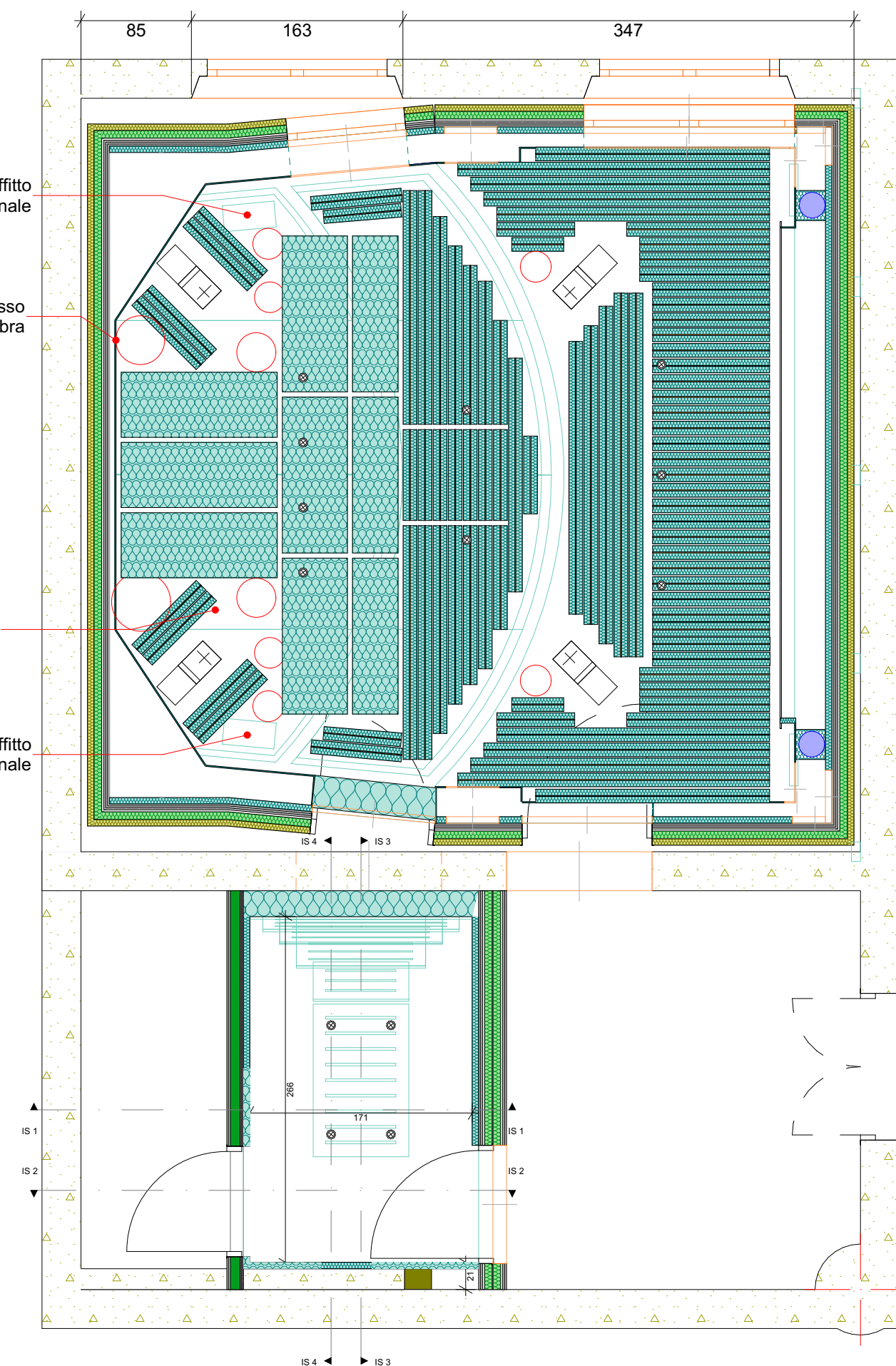


Treatment

Layout

1:50

Treatment



Ceiling

1:50



Studio Sound Service S.r.l.
Via Torricella 22/a, 50023 Impruneta (FI) Italy
info@studiosoundservice.com
Tel. +39 055 2020574
www.studiosoundservice.com

These documents and specifications are the property of Studio Sound Service S.r.l. These documents may not be copied, reproduced, used or implemented in any way, in part or in whole, without the written consent of Studio Sound Service S.r.l. All copyrights are reserved.

Acoustic Design: **Studio Sound Service**

Date
08/06/2023
Revision
Definitive

Drawing Number
9 / 4

Title
**Treatment
Layout**

Dr. Scale
1:50

Client
Marco Borsatti

Project
**Studio
Borsatti**

Molok Studios

Milan



**1st Gaming facility
in Dolby Atmos**

Molok Studios

Milan



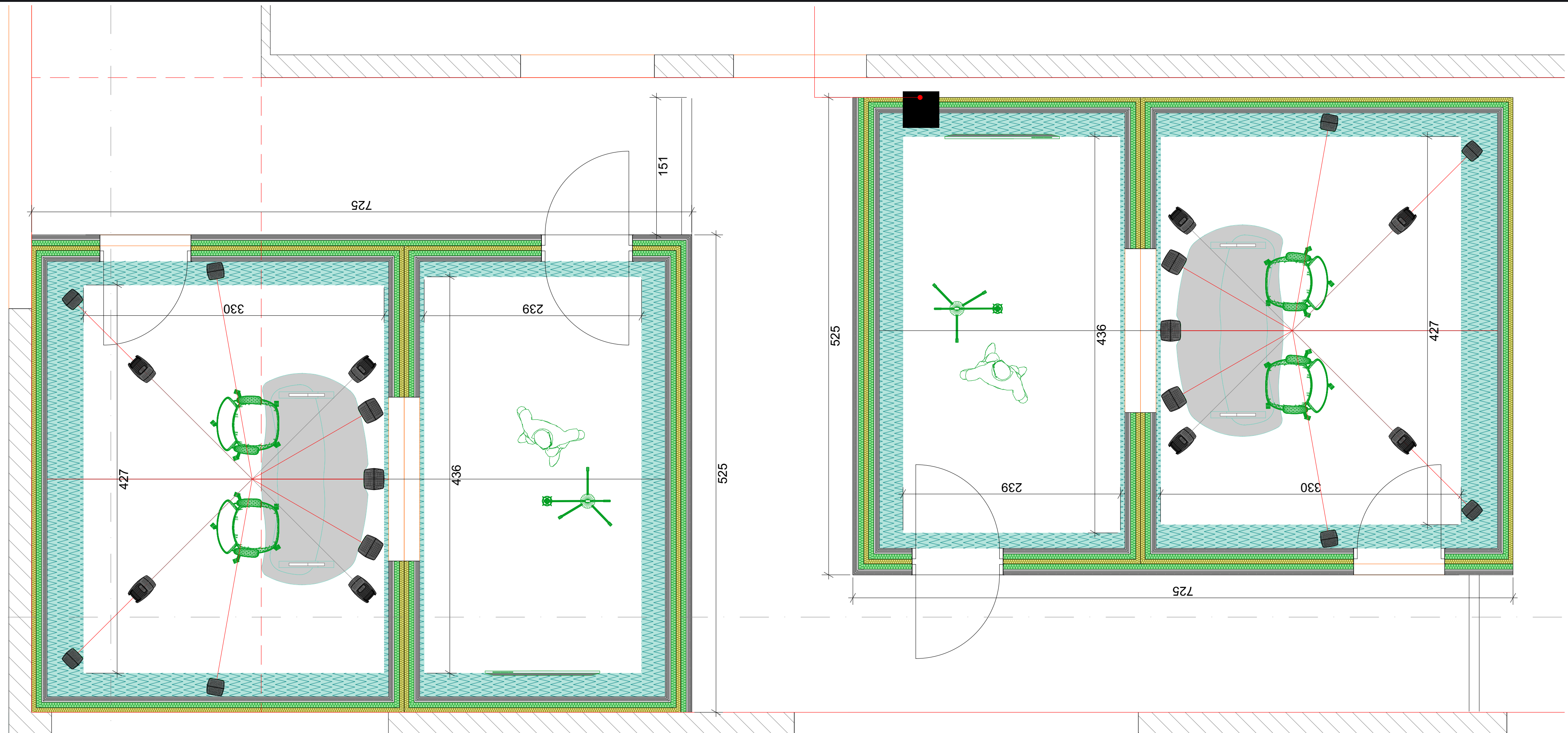
**1st Gaming facility
in Dolby Atmos**

Molok Studios

Milan



**1st Gaming facility
in Dolby Atmos**

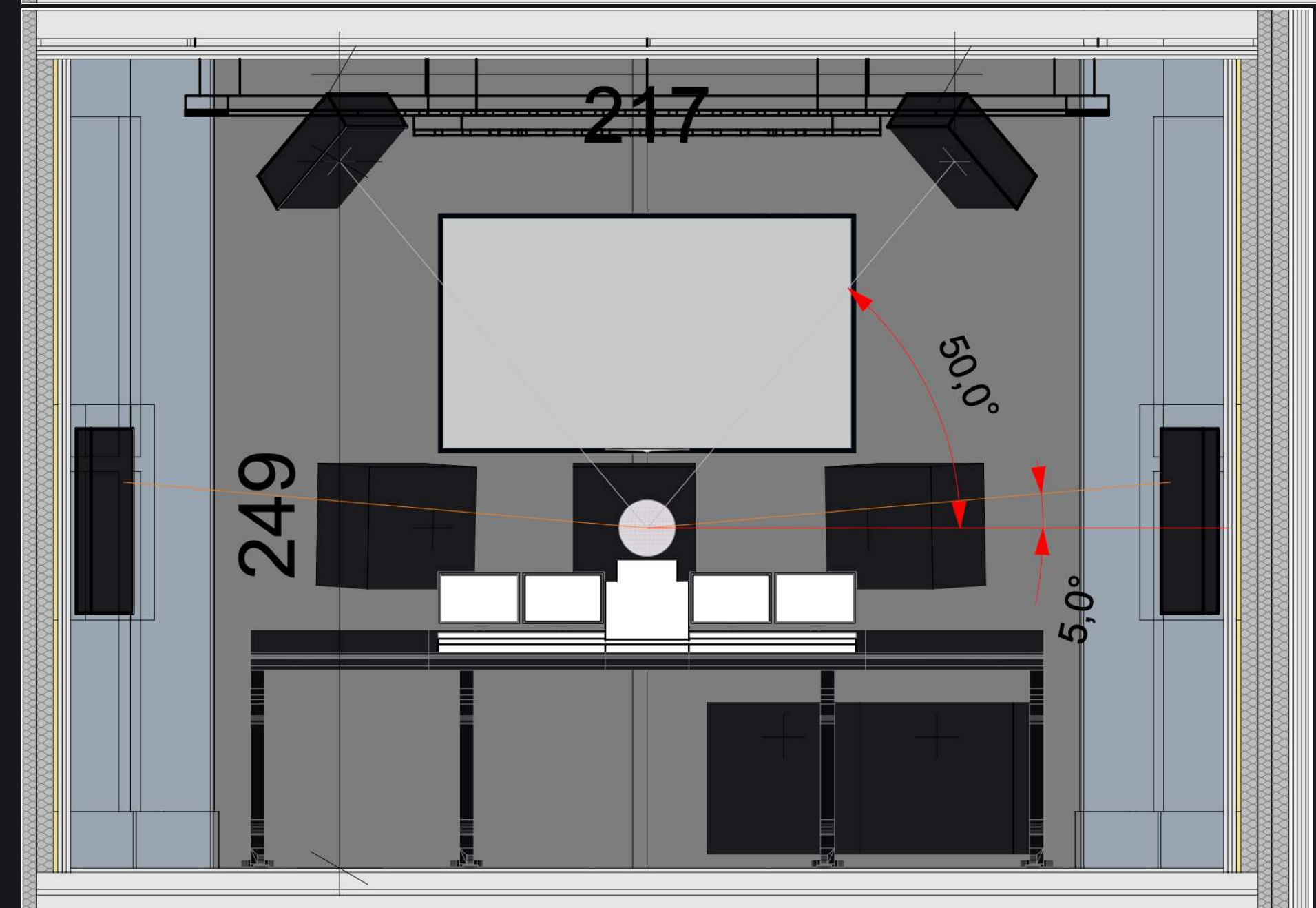
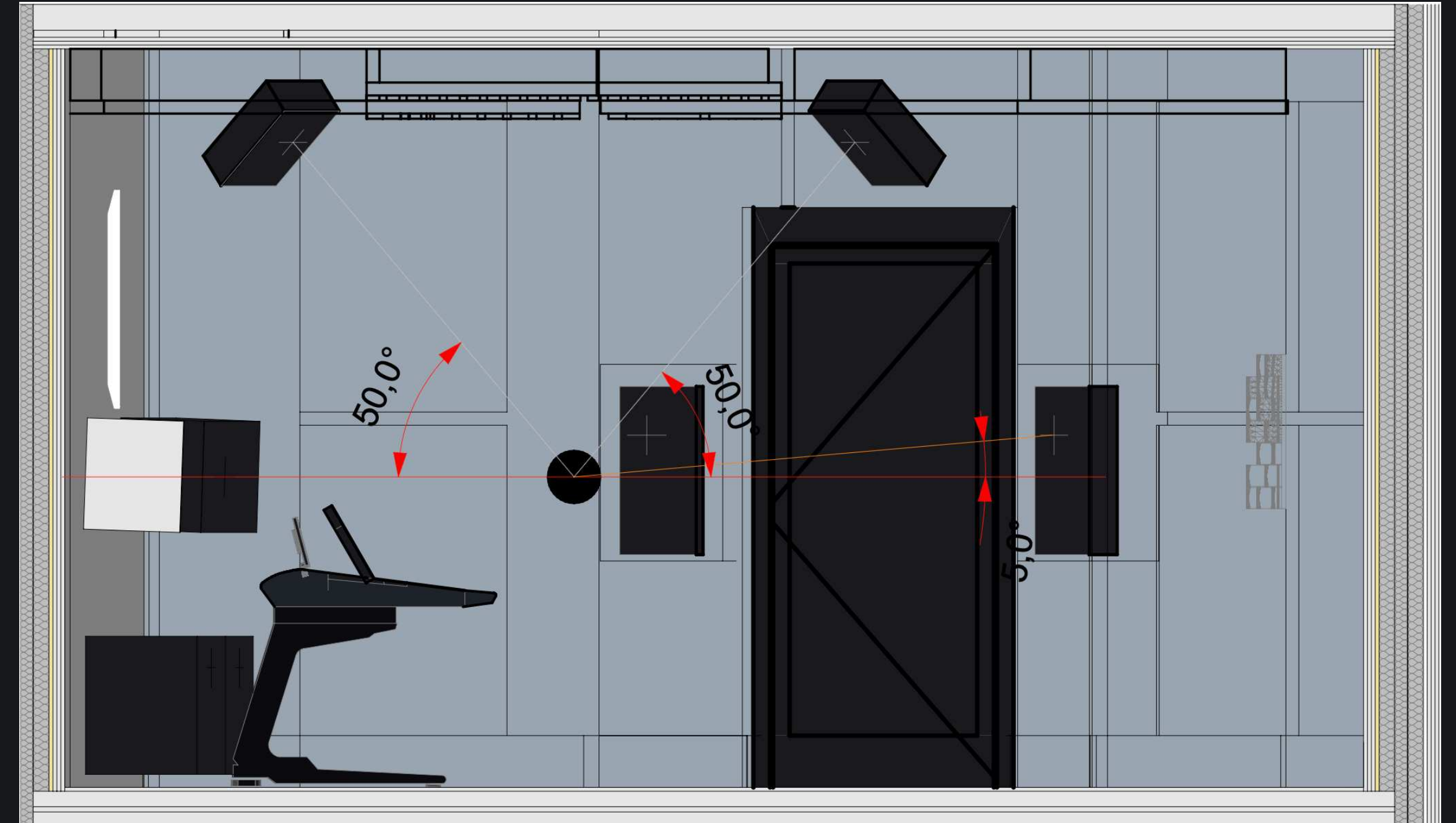
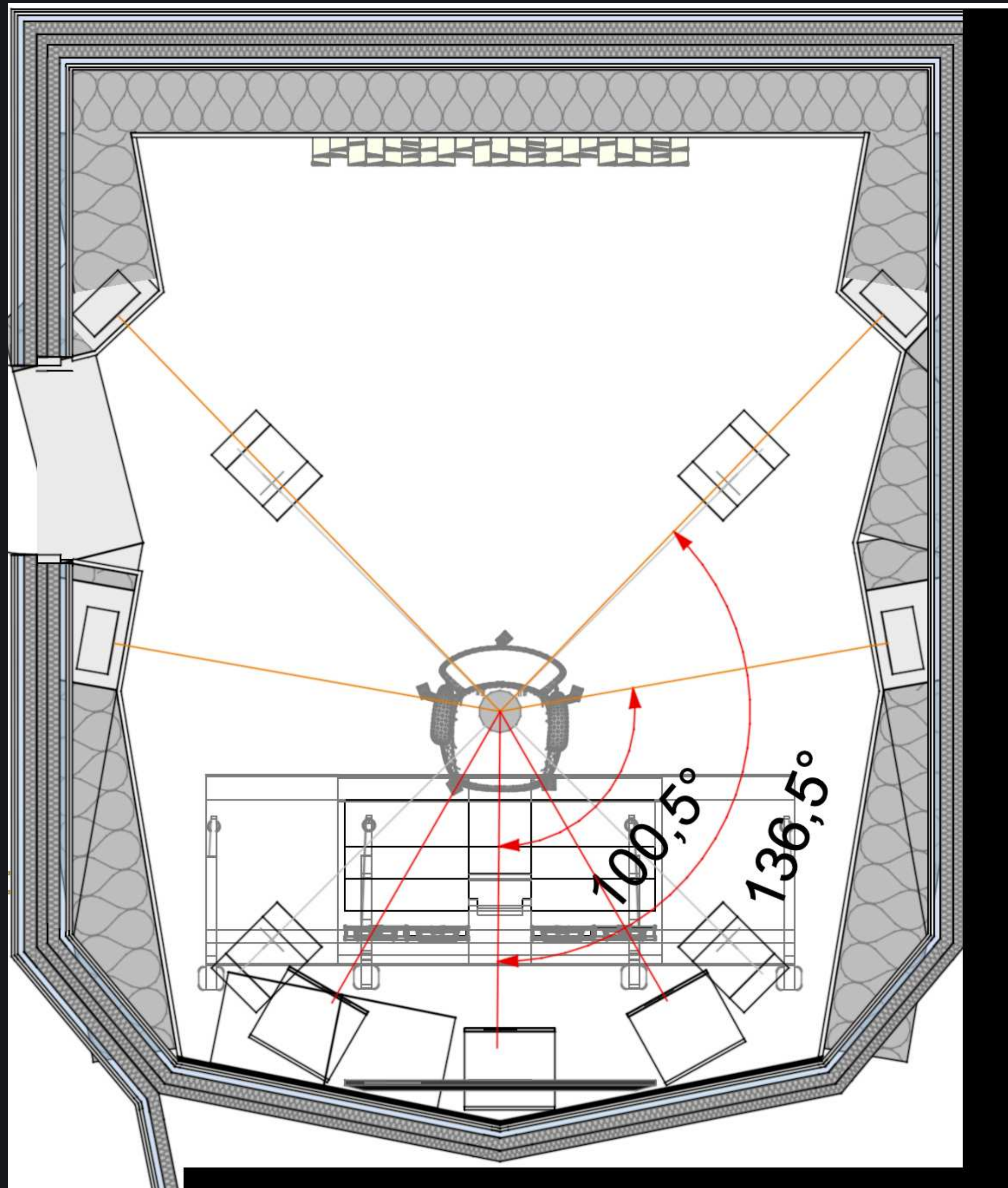


Milk PMC Speakers

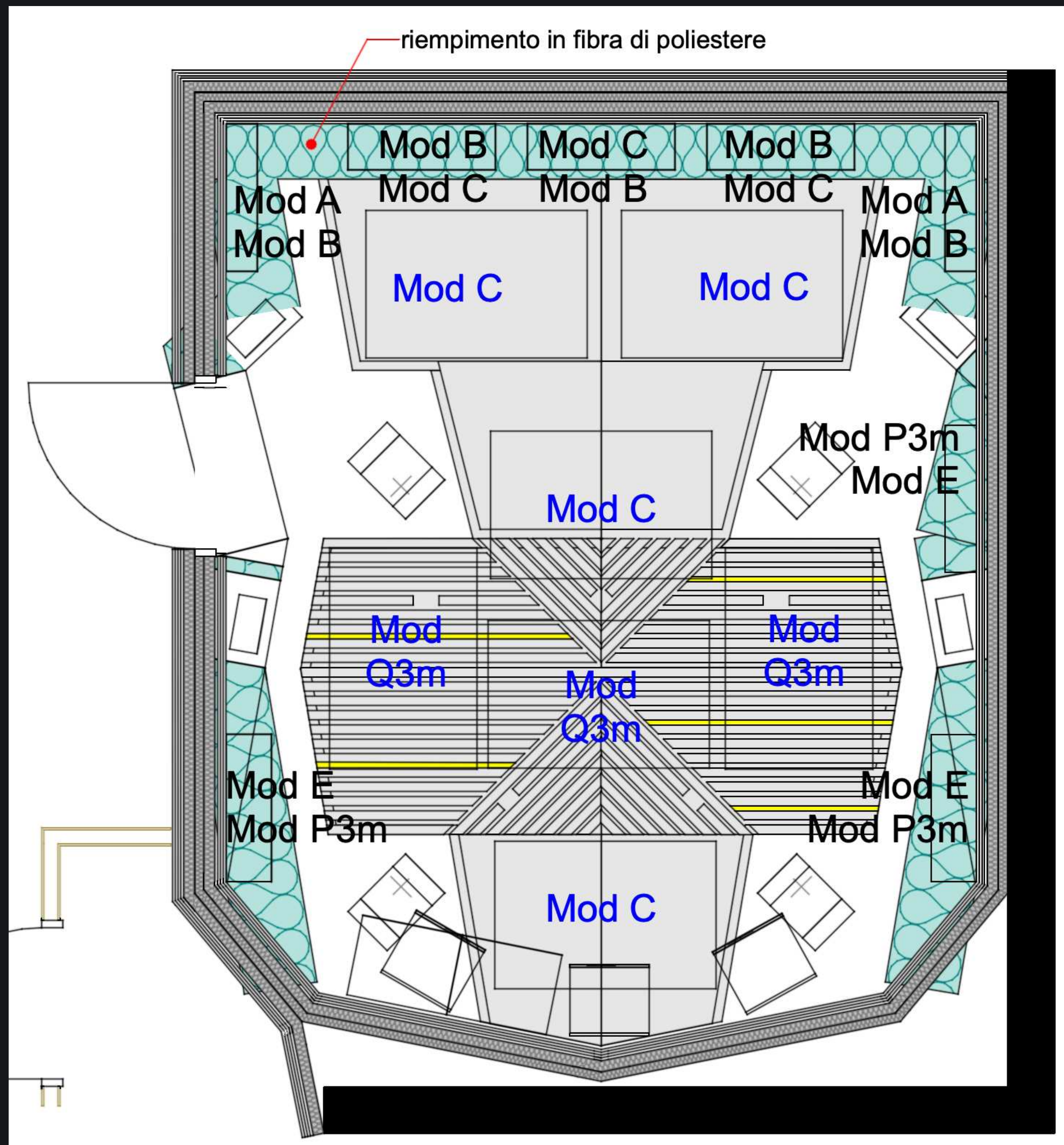
Roma



PMC Speakers
demo room



Risonatori a Membrana Broadband Absorbers Slat Absorbers



Milk Alberto Rossetto

Roma



Milk

Alberto Rossetto

Roma



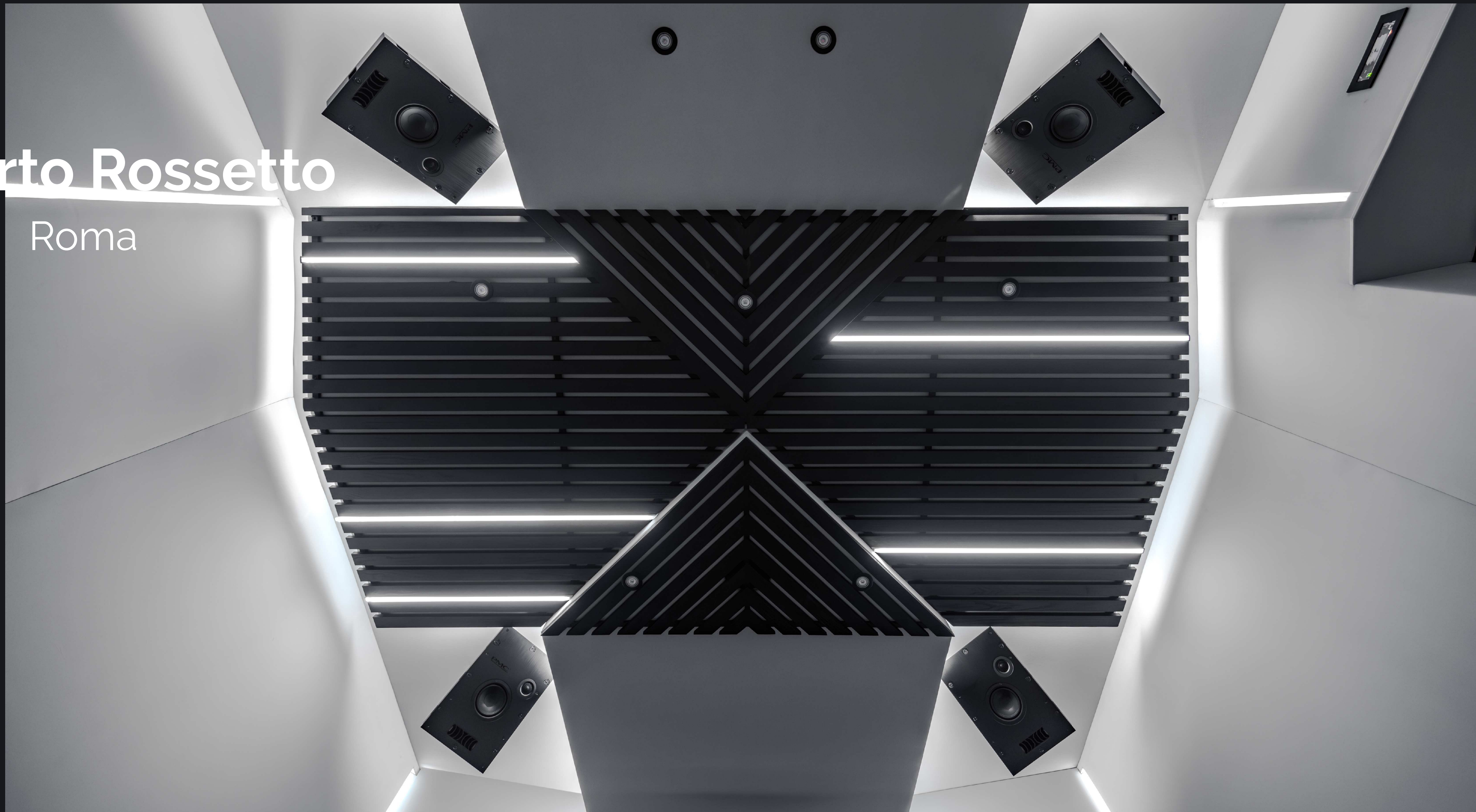
Milk Alberto Rossetto

Roma



Milk Alberto Rossetto

Roma



Dolby Atmos Theatrical

Requirement generali

1. Dimensioni studio $> 45\text{m}^2$; 150m^3
Distanza minima mix/screen $> 5\text{m}$
 $L > 8\text{m}$; $W > 5.5\text{m}$; $H > 3\text{m}$
Room ratio
2. Caratteristiche acustiche dello studio
3. Sistema audio theatrical
(con angolazioni e puntamenti precisi)
4. SPL impianto audio $> 85\text{ dB(C)}$
(+20 dB headroom!!!)
5. Dolby Cinema Processor
routing del segnale digitale complesso

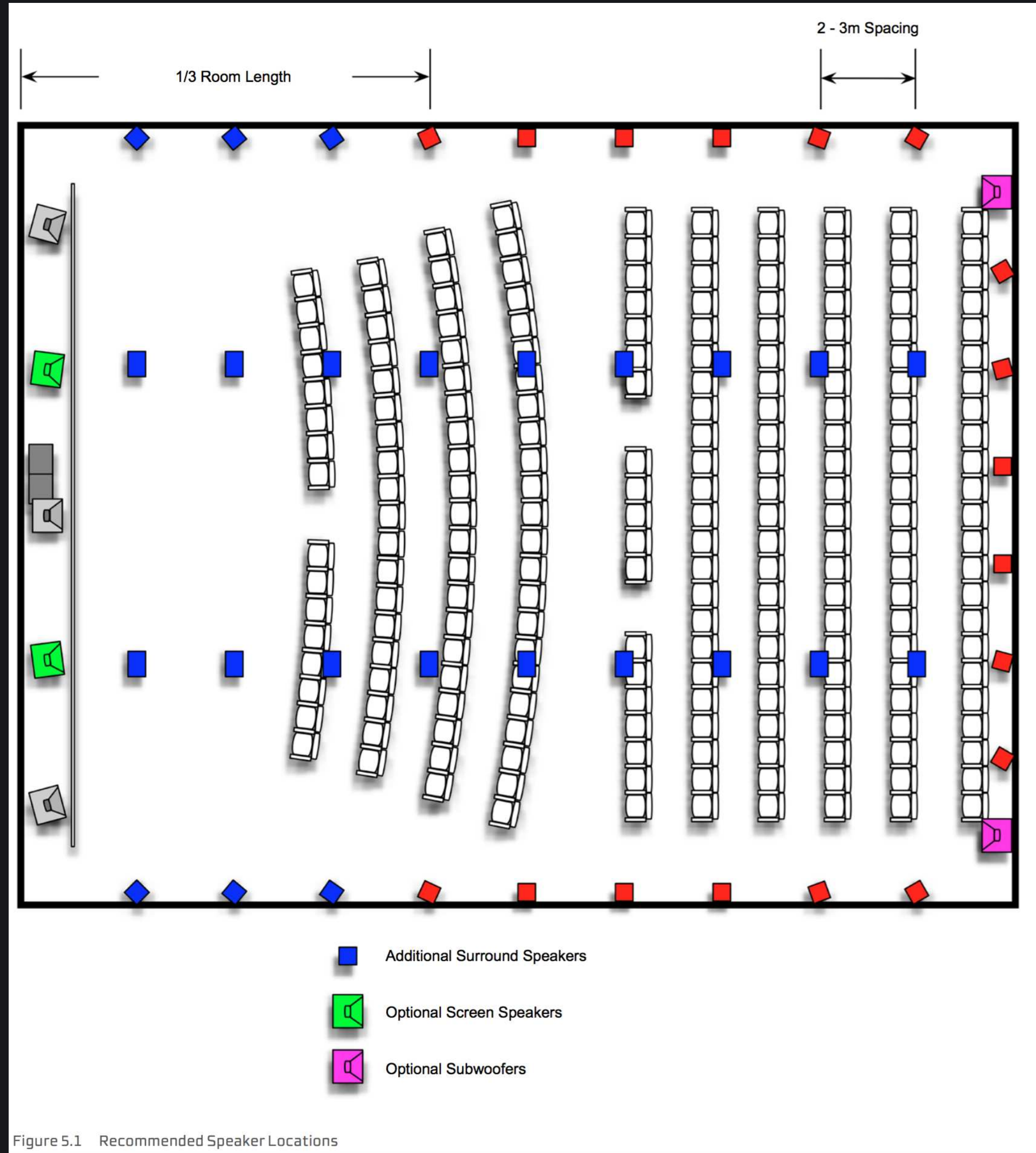


Figure 5.1 Recommended Speaker Locations

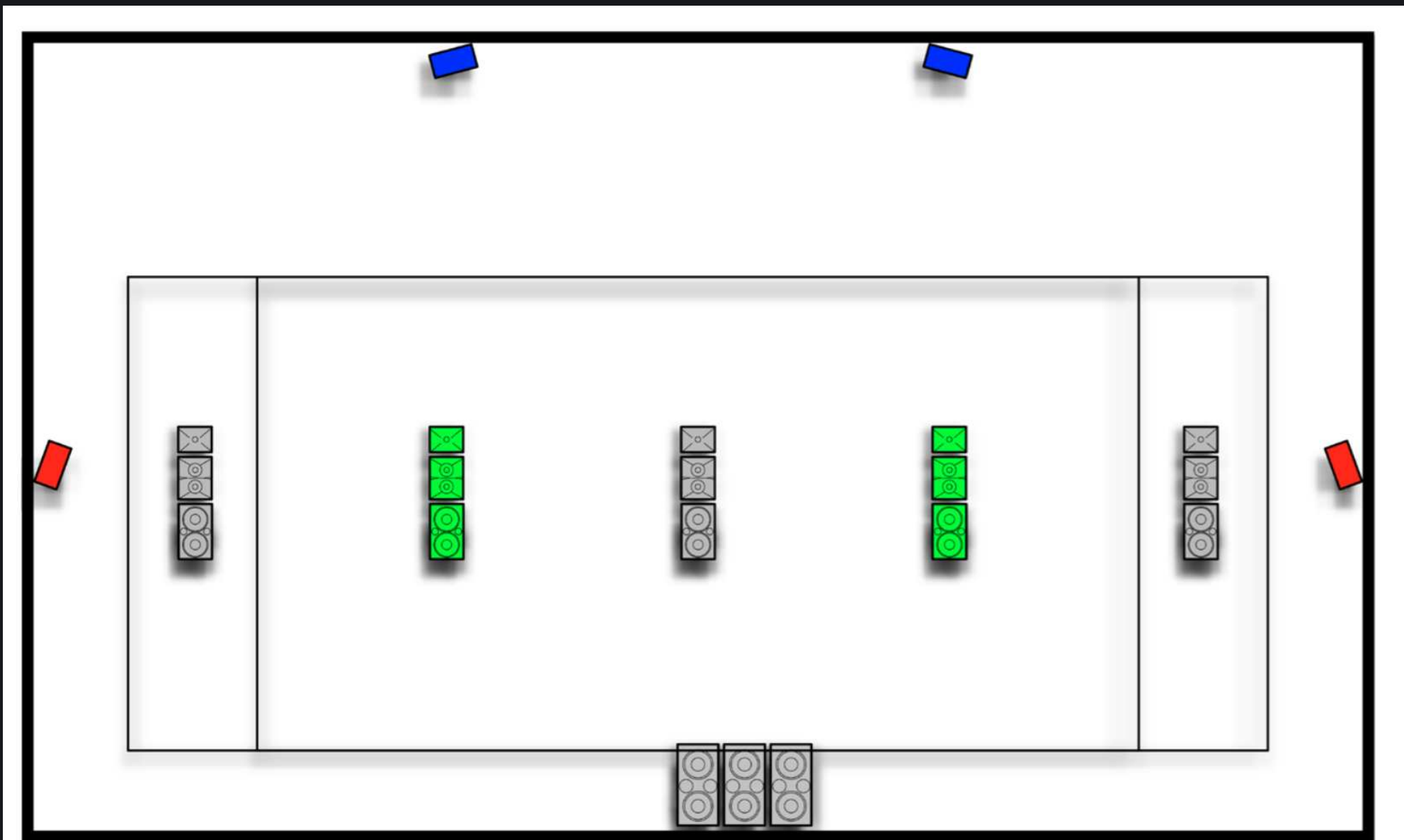


Figure 5.2 Recommended Speaker Locations (Screen, Side Surrounds, and Top Surrounds)

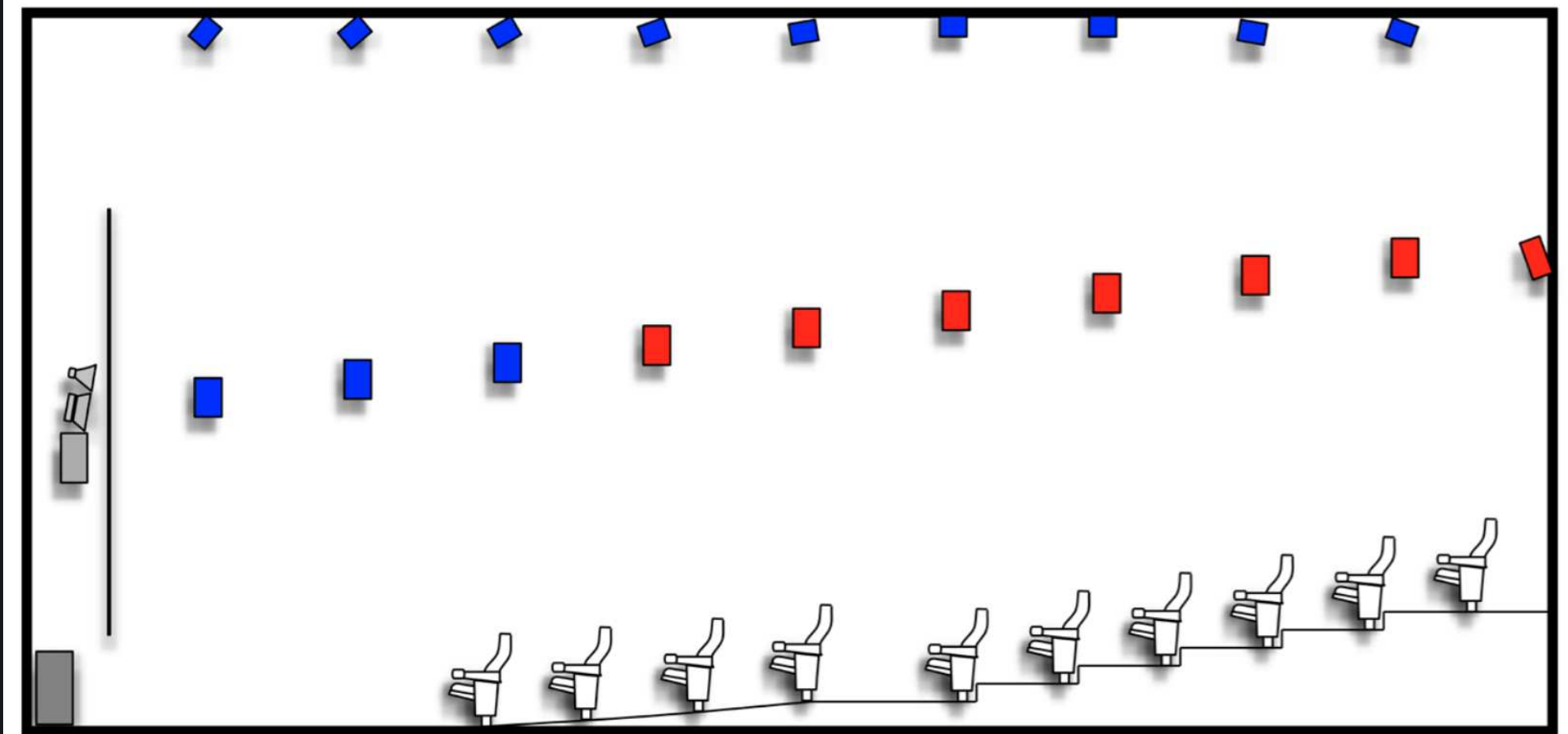
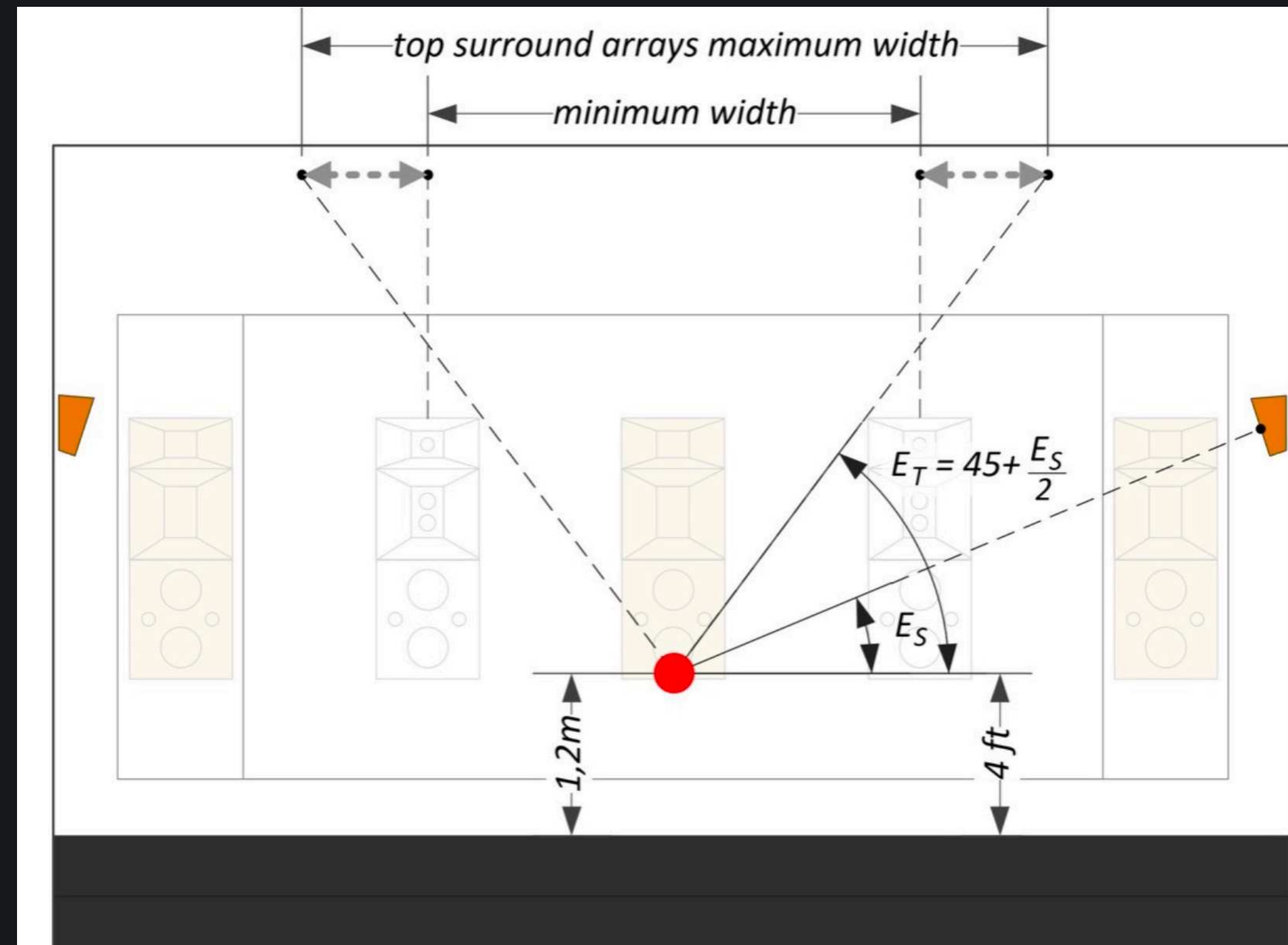
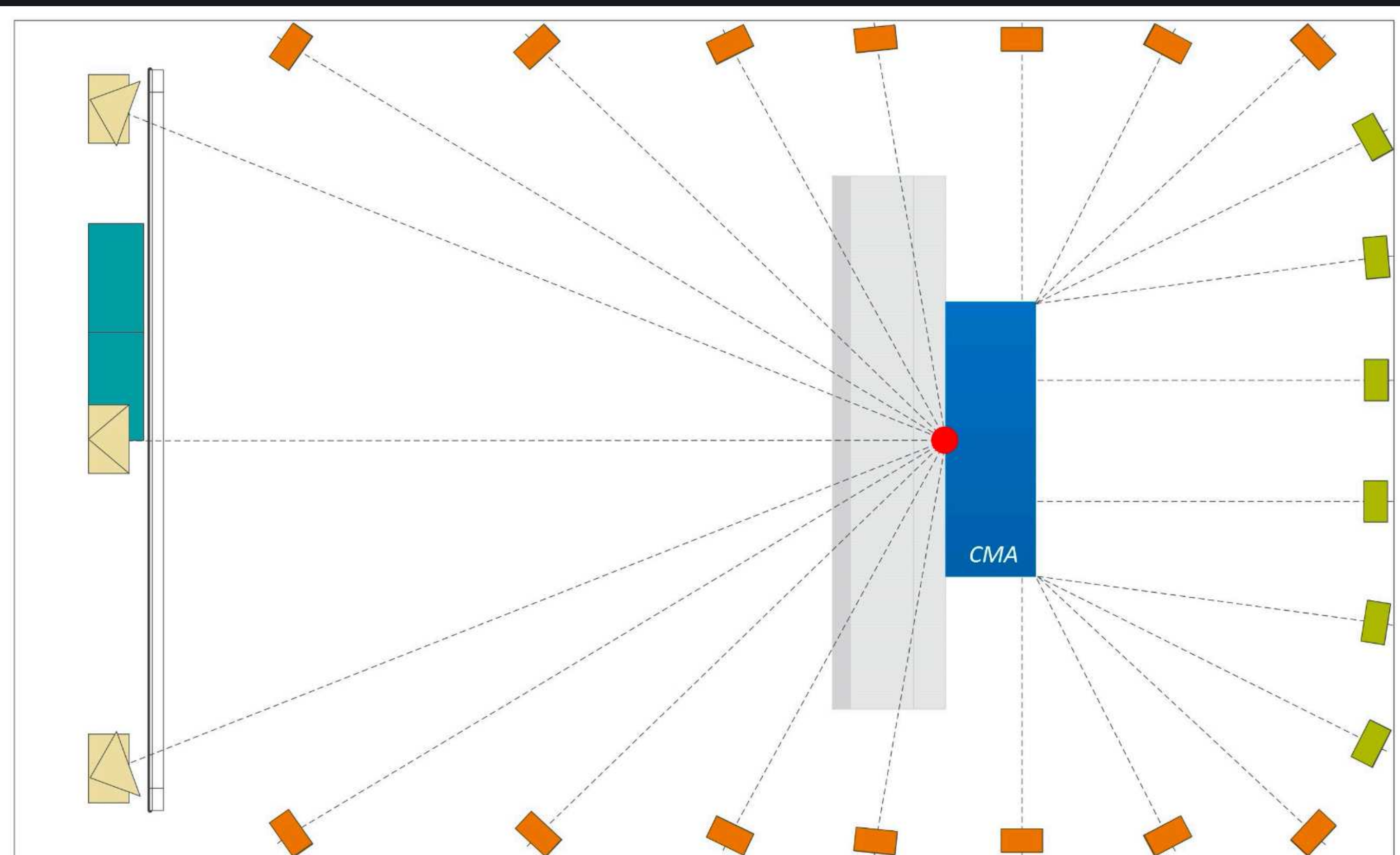


Figure 5.3 Recommended Side Wall and Ceiling Speaker Locations



Room Data	(Metric)	Length (m)	Width (m)	Length of raked staging (m)	Room Height at Screen (m)	Room Height at Booth (m)
Show Label Guide		8,9	6,6	6,7	5,8	5,6
Application		Speakers per Side Wall (7 recommended)	Speakers Booth Wall (6 recommended)	Surround Subwoofers	3/5 Screen Speakers	Amping Screen Speakers
Dolby Atmos Feature Studio		7	4	2	3	bi-amped

Screen Width (m)	Screen Ratio	Screen Bottom to Floor (m)
5,6	Flat	1,1
Speaker-Screen-Spacing	Linear Spacing Distance	ISS Rear (m)
1,3	1,0	1,3

Auditorium Configuration Options

Amplifier Channels Side

7

Amplifier Channels Top

7

Top Speakers
Checkbox for equidistant spacing

7

Rear Surround Pairing

Screen subwoofers, LFE clustered

☒

Screen subwoofers, LFE floor mounted

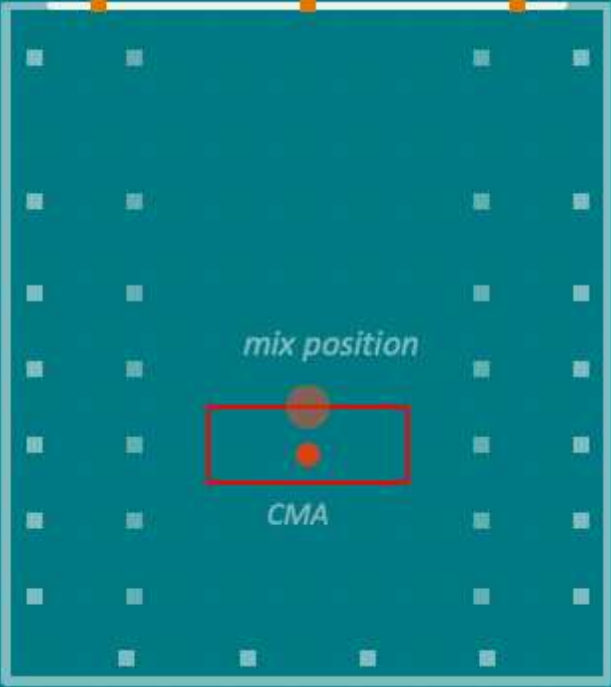
☒

Surround subwoofers behind screen

☐

Surround subwoofers mounted in joint of floor/wall or wall/ceiling

☒



Full linear spacing selected

Location	Speaker Channel	Loudspeaker Throw Distance Coordinates referenced from Mix Position				Speaker <i>Click here for screen speaker target SPL´s</i>				Active Speaker	Required Power Rating for Speaker selected				Amplifier					Notes	Cables			
		X (m)	Y (m)	Z (m)	3D distance from mix pos (m)	Speaker Model <i>Checkbox only for active loudspeakers</i>	Speaker Watts (Cont.)	dB SPL 1W@1m	Ω	Maximum Peak SPL (dB)	Watts required 102dB	Watts required for target SPL	Watts re- quired per speaker 115dB	Headroom above target SPL (dB)	Amplifier Model	stereo/ bridged	Ω	Watts available <i>Single Channel driven</i>	Amp headroom over target- (dB)		Length (m)	Ø (mm2)		
Screen Left	L (LF)	2,3	5,3	1,8	6,2	Meyer Bluehorn System ☒				132,1				5,3					0		25,0			
	L (HF)																							
Screen Centre	C (LF)		5,3	1,8	5,7	Meyer Bluehorn System				132,1						5,9					0		25,0	
	C (HF)																							
Screen Right	R (LF)	2,3	5,3	1,8	6,2	Meyer Bluehorn System				132,1						5,3					0		25,0	
	R (HF)																							
LFE	LFE		5,3	-0,9	5,3	Meyer X-400C ☒				123,0	6 unit			5,0					0		25,0			
Surr. Subw.	SUB 1	3,0	-1,1	4,6	5,6	Meyer X-400C ☒				128,6	1 unit			4,6				W	0		15,0			
	SUB 2	3,0	-1,1	4,6	5,6	Meyer X-400C				128,6	1 unit			4,6				W	0		15,0			
Side Surround	LSS 1	3,0	4,6	1,8	5,8	Meyer HMS-10 ☒				126,6				3,4					0		20,0			
	LSS 2	3,0	2,7	1,8	4,4	Meyer HMS-10 ☒				126,6				5,7					0		20,0			
	LSS 3	3,0	1,5	1,8	3,8	Meyer HMS-10 ☒				126,6				7,0					0		15,0			
	LSS 4	3,0	0,5	1,8	3,5	Meyer HMS-10 ☒				126,6				7,6					0		15,0			
	LSS 5	3,0	-0,5	1,8	3,5	Meyer HMS-10 ☒				126,6				7,6					0		15,0			
	LSS 6	3,0	-1,5	1,8	3,8	Meyer HMS-10 ☒				126,6				7,0					0		15,0			
	LSS 7	3,0	-2,5	1,8	4,3	Meyer HMS-10 ☒				126,6				5,9					0		15,0			
	LSS 8					☒													0					
	LSS 9					☒													0					
	LSS 10					☒													0					
	LSS 11					☒													0					
	LSS 12					☒													0					
	RSS 1	3,0	4,6	1,8	5,8	Meyer HMS-10 ☒				126,6				3,4					0		20,0			
	RSS 2	3,0	2,7	1,8	4,4	Meyer HMS-10 ☒				126,6				5,7					0		20,0			
	RSS 3	3,0	1,5	1,8	3,8	Meyer HMS-10 ☒				126,6				7,0					0		15,0			
	RSS 4	3,0	0,5	1,8	3,5	Meyer HMS-10 ☒				126,6				7,6					0		15,0			
RSS 5	3,0	-0,5	1,8	3,5	Meyer HMS-10 ☒				126,6				7,6					0		15,0				
RSS 6	3,0	-1,5	1,8	3,8	Meyer HMS-10 ☒				126,6				7,0					0		15,0				
RSS 7	3,0	-2,5	1,8	4,3	Meyer HMS-10 ☒				126,6				5,9					0		15,0				
RSS 8						☒												0						

Speaker Aiming Guidance

Rounding Precision

5°

Speaker's cabinet tilt not taken into account. Angles shown are referenced to front baffle of speaker.

Height Front Corner CMA (m)	1,2
Height Mix Position (m)	1,2
Height Back Corner CMA (m)	1,2



Distance Front Edge CMA to Mix Position (m)	
Distance Rear Edge CMA to Mix Position (m)	1,0

Screen	Horizontal Angle A	Vertical Angle B
Left	25	15
Left Center		
Center	0	15
Right Center		
Right	-25	15

Asymetrical vert coverage horns in-built down tilt

0°

☐ Include in-built tilt in vert angle B calculations

☐ Include in-built tilt in vert angle D calculations ¹

Side	Horizontal Angle C	Vertical Angle D
LSS/RSS 1	55	15
LSS/RSS 2	40	15
LSS/RSS 3	25	20
LSS/RSS 4	5	20
LSS/RSS 5	0	20
LSS/RSS 6	-15	20
LSS/RSS 7	-35	20

- ☐ Pan & Tilt Type
☐ U-Bracket Type (Rotate & Tilt)

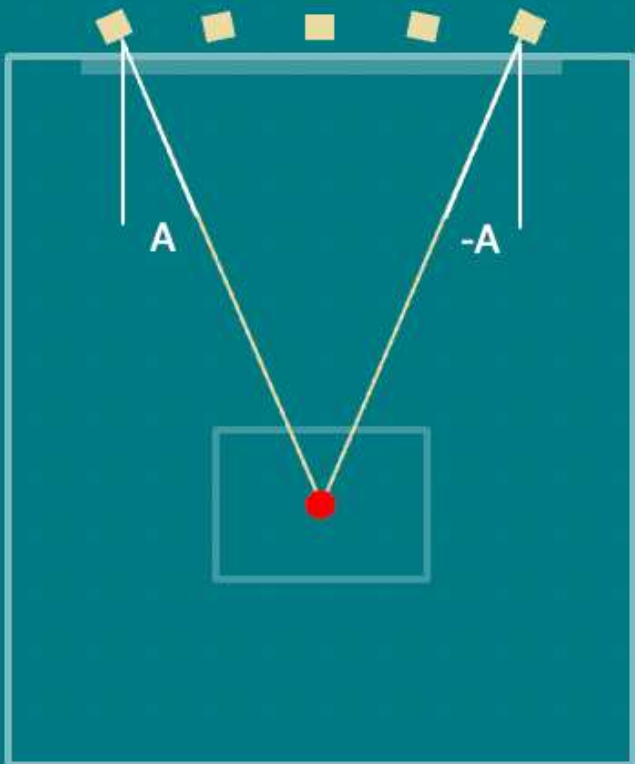
Ceiling (U-Bracket)	Horizontal Angle G	Vertical Angle D
LTS/RTS 1	10	50
LTS/RTS 2	20	35
LTS/RTS 3	30	25
LTS/RTS 4	60	15
LTS/RTS 5	90	10
LTS/RTS 6	-60	-15
LTS/RTS 7	-30	-25

☐ Include in-built tilt in vert angle D calculations ¹

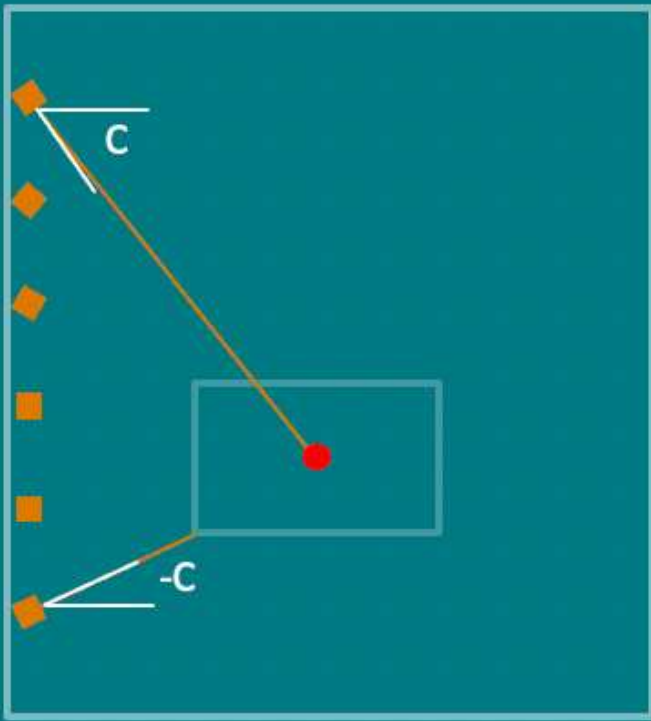
Rear Left	Horizontal Angle C	Vertical Angle D
LRS 1	10	0
LRS 2	0	0

Rear Right	Horizontal Angle C	Vertical Angle D
RRS 1	-10	0
RRS 2	0	0

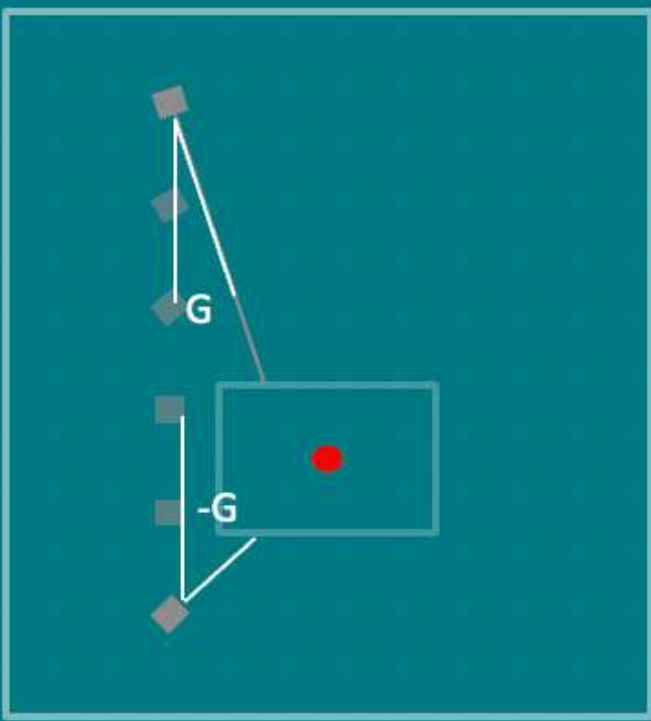
¹ Please aim surround speakers relative to top of the unit rather than perpendicular to tilted baffle



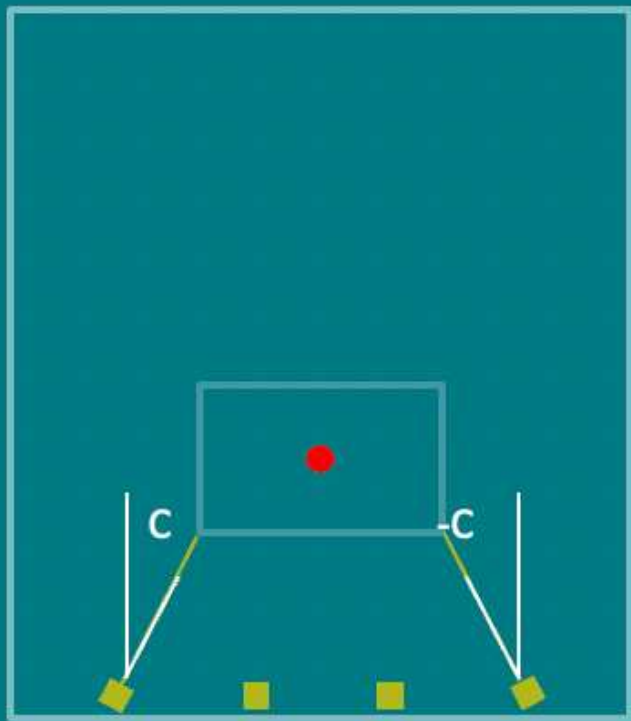
Plan Diagram



Plan Diagram



Plan Diagram

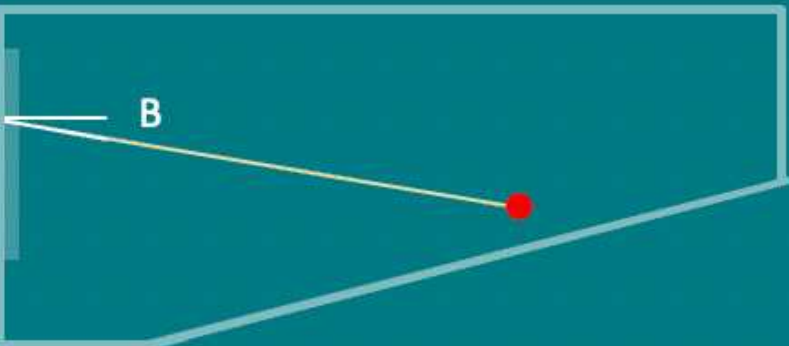


Plan Diagram

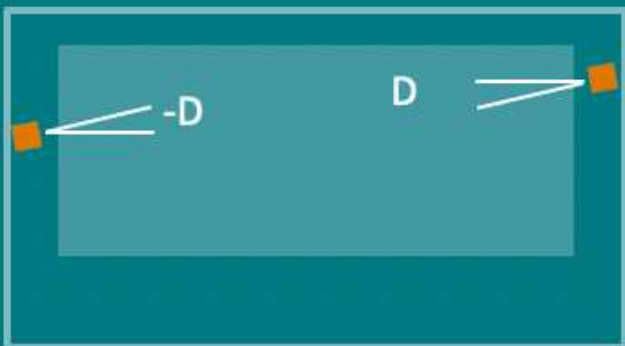
Please note that speaker throws and dimensions on MainEntrySheet need to be entered as accurately as possible for the angle calculations to conform to the rounding precision selected.

Usage of this sheet:

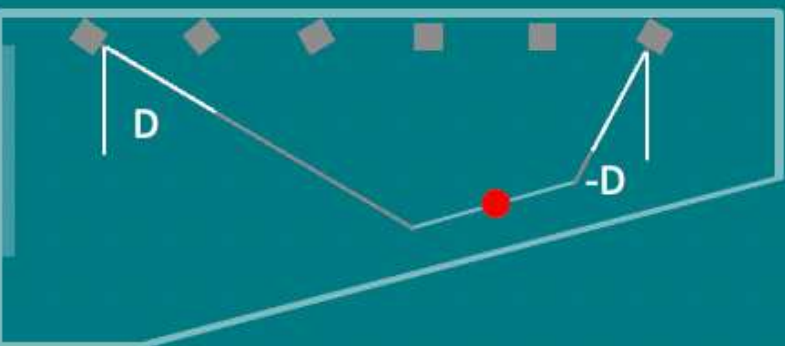
- aiming guidance when creating a drawing
- resource for installation (when the additional CLA & RLP data cells are completed)
- not meant to replace a set of accurately drawn plans, these are still needed



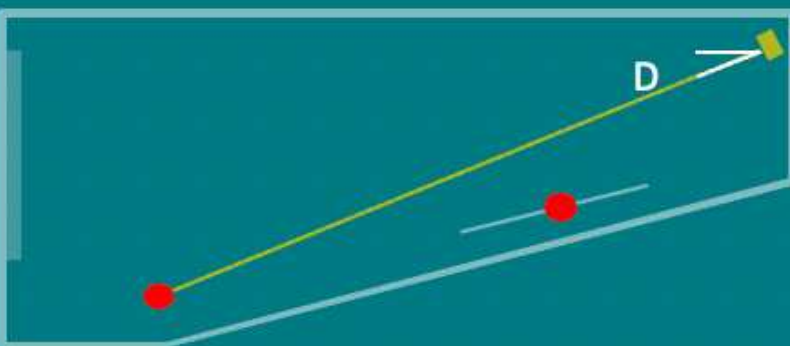
Side Elevation Diagram



Screen Elevation Diagram



Side Elevation Diagram



Side Elevation Diagram

Cinecittà Sala A

Roma



**South EU Biggest
Theatrical room
In Dolby Atmos**

Cinecittà Sala A

Roma



Cinecittà Sala A

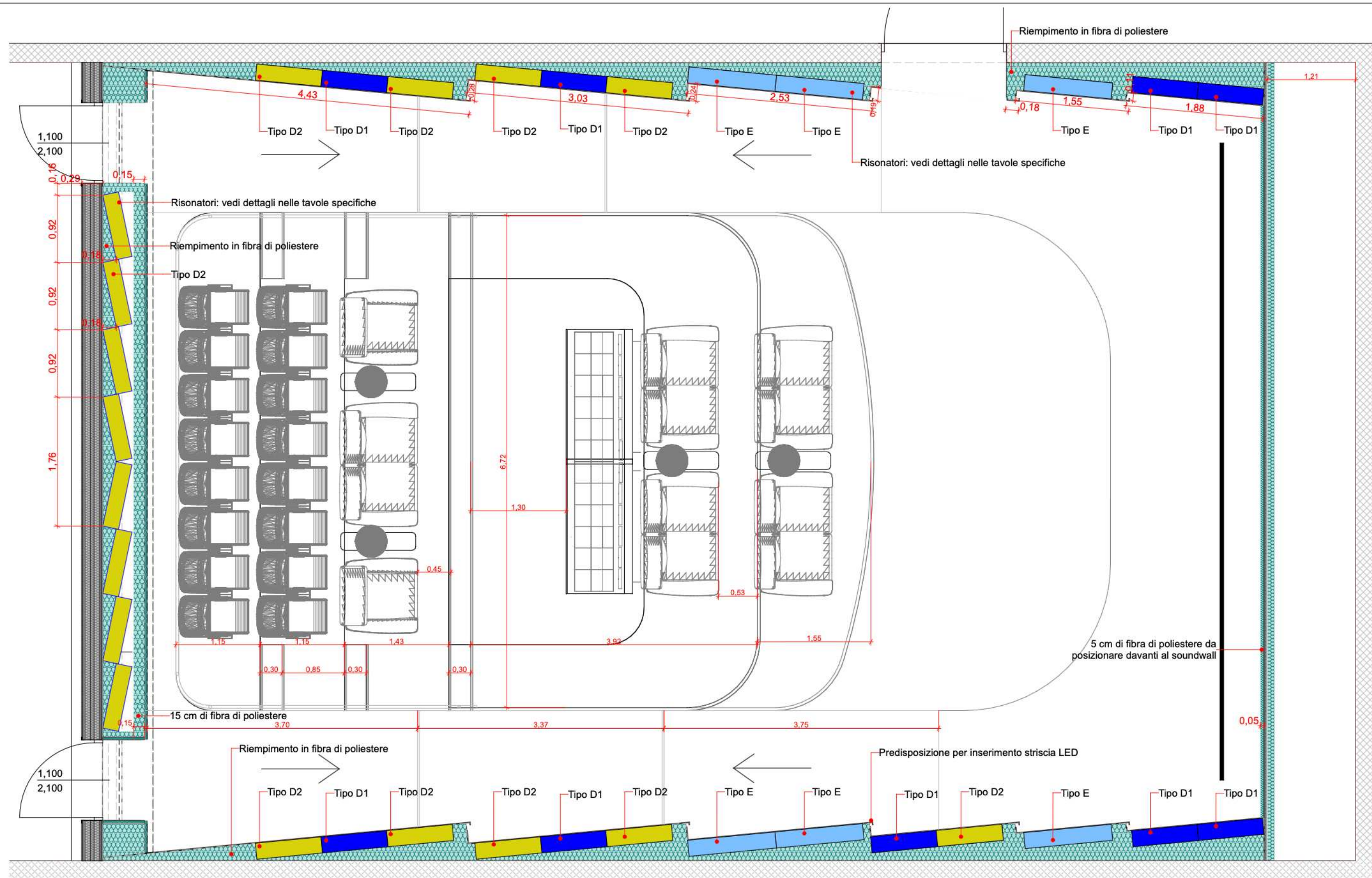
Roma



Cinecittà Sala A

Roma





Studio Sound Service S.r.l.
Via Torricella 22/a, 50023 Impruneta (FI) Italy
info@studiosoundservice.com
Tel. +39 055 2020574
www.studiosoundservice.com

Acoustic Design by: **Studio Sound Service**
Main Contact: **Donato Masci - CEO**
+39 335 8233579

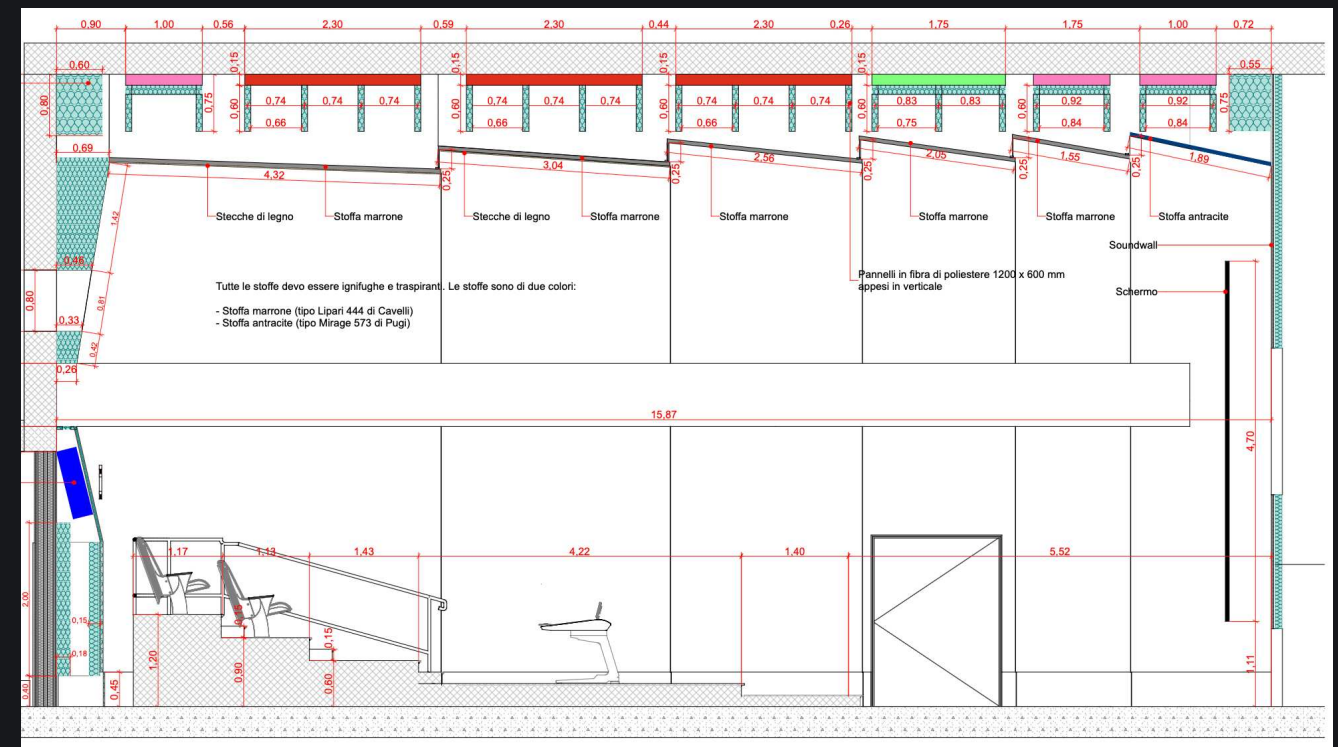
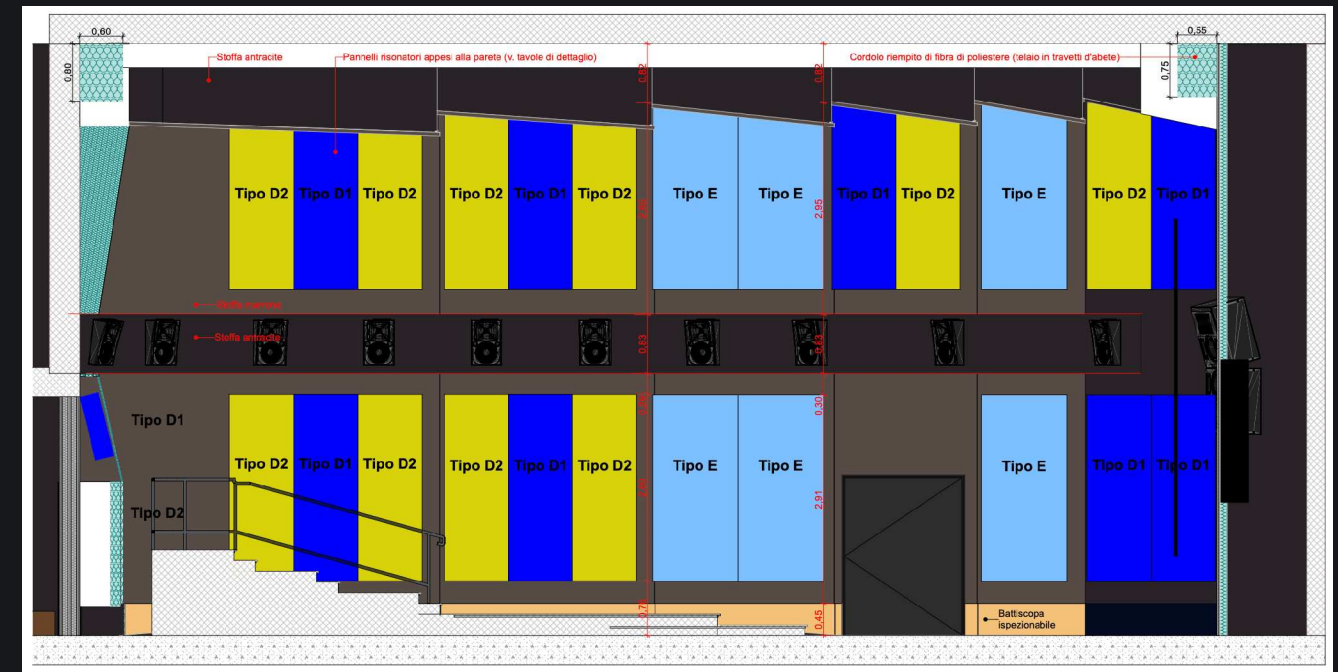
Date
08/02/22

Drawing Id
T4
Drawing Title
Pianta Trattamento (Altezza 2m)

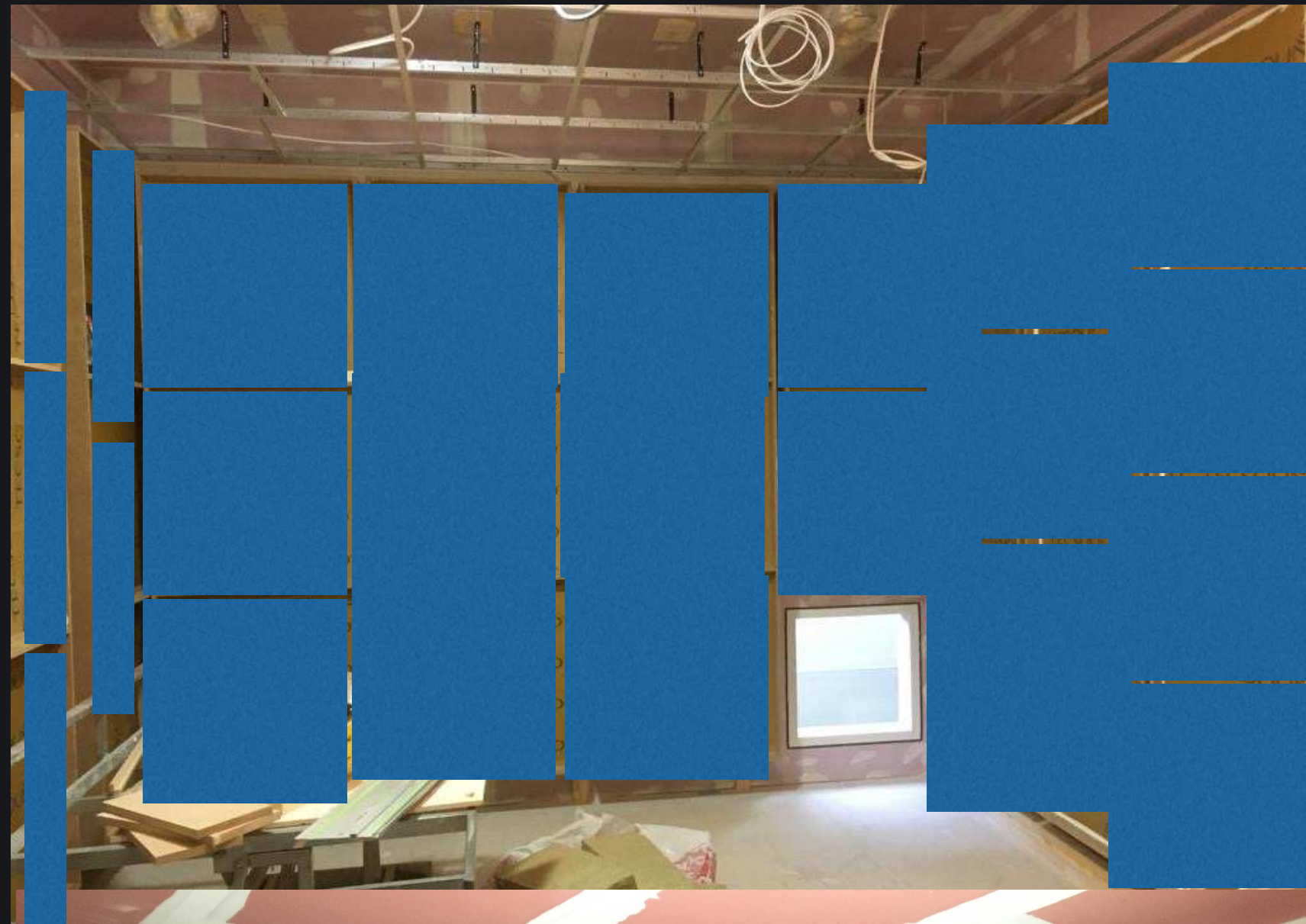
Dr. Scale
1:50

Client
Istituto Luce

Project
Cinecittà Sala Mix A



Low Frequency Absorption



Cinecittà Sala E

Roma



1st Hybrid Theatrical/HE
mixing room

Cinecittà Sala E

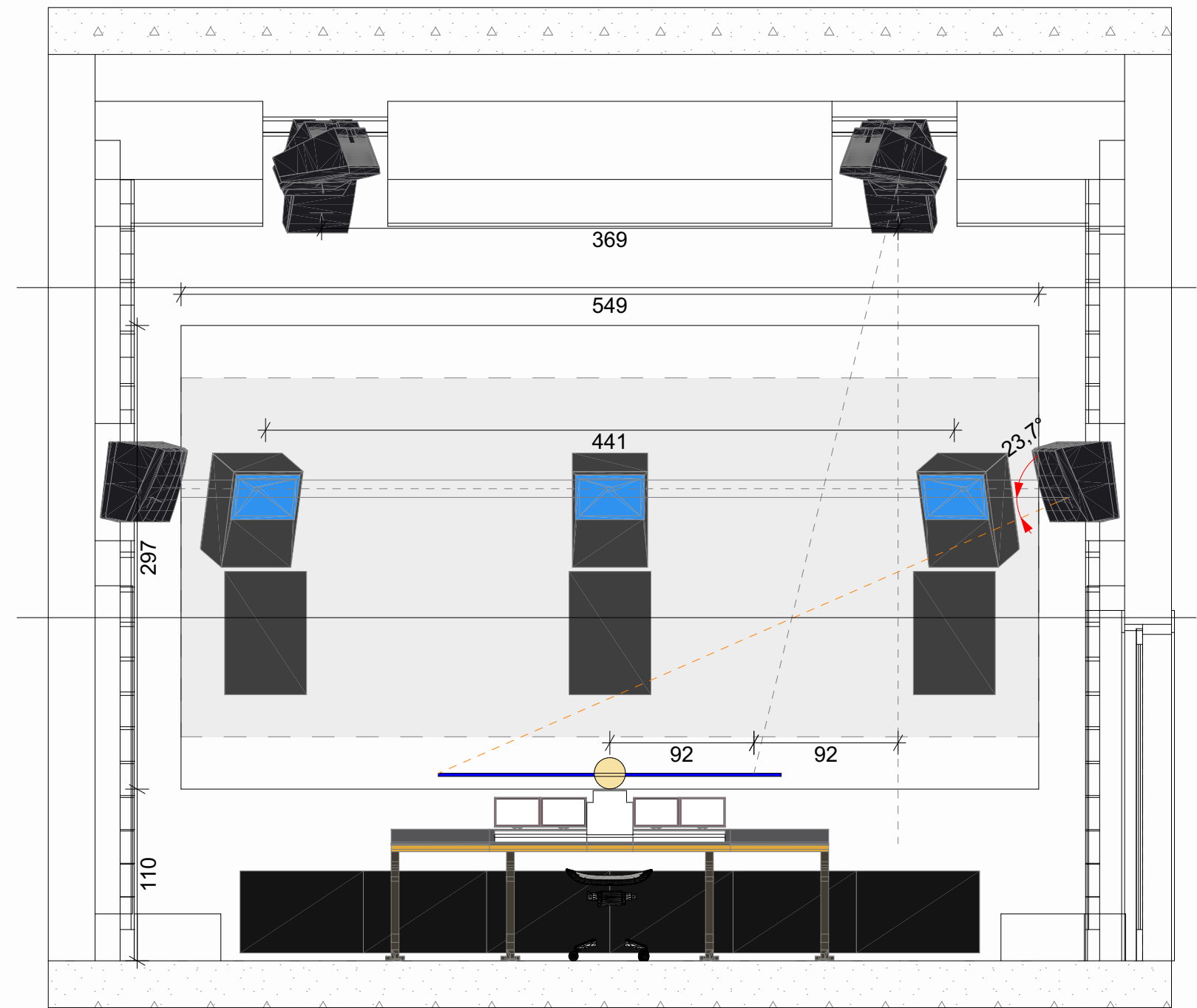
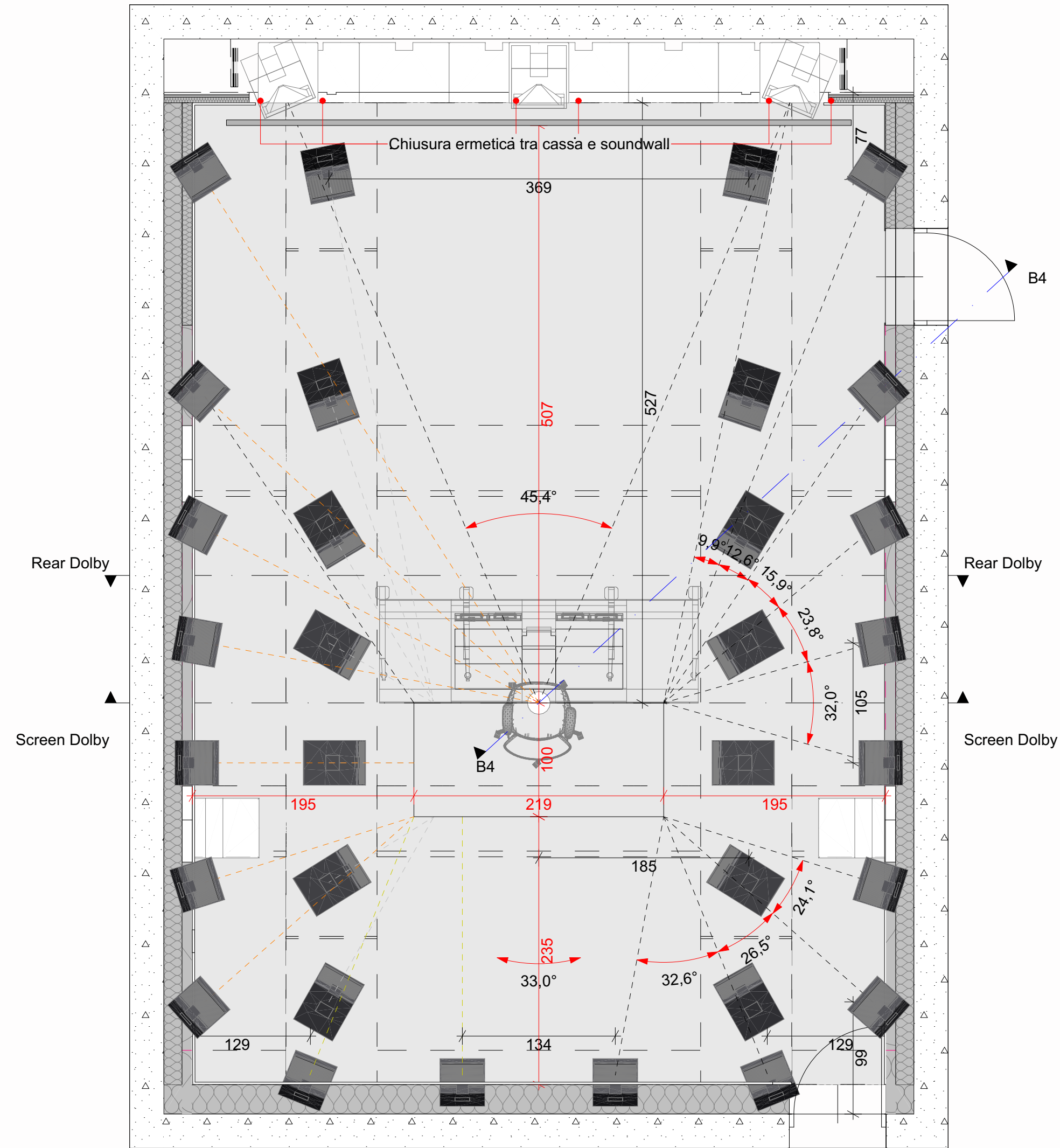
Roma



Cinecittà Sala E

Roma





Screen elevation

1:50

Layout

1:50



Studio Sound Service S.r.l.
Via Torricella 22/a, 50023 Impruneta (FI) Italy
info@studiosoundservice.com
Tel. +39 055 2020574
www.studiosoundservice.com

These documents and specifications are the property of Studio Sound Service S.r.l. These documents may not be copied, reproduced, used or implemented in any way, in part or in whole, without the written consent of Studio Sound Service S.r.l.
All copyrights are reserved.

Acoustic Design: **Studio Sound Service**

Date
11/12/2023
Revision
Definitive

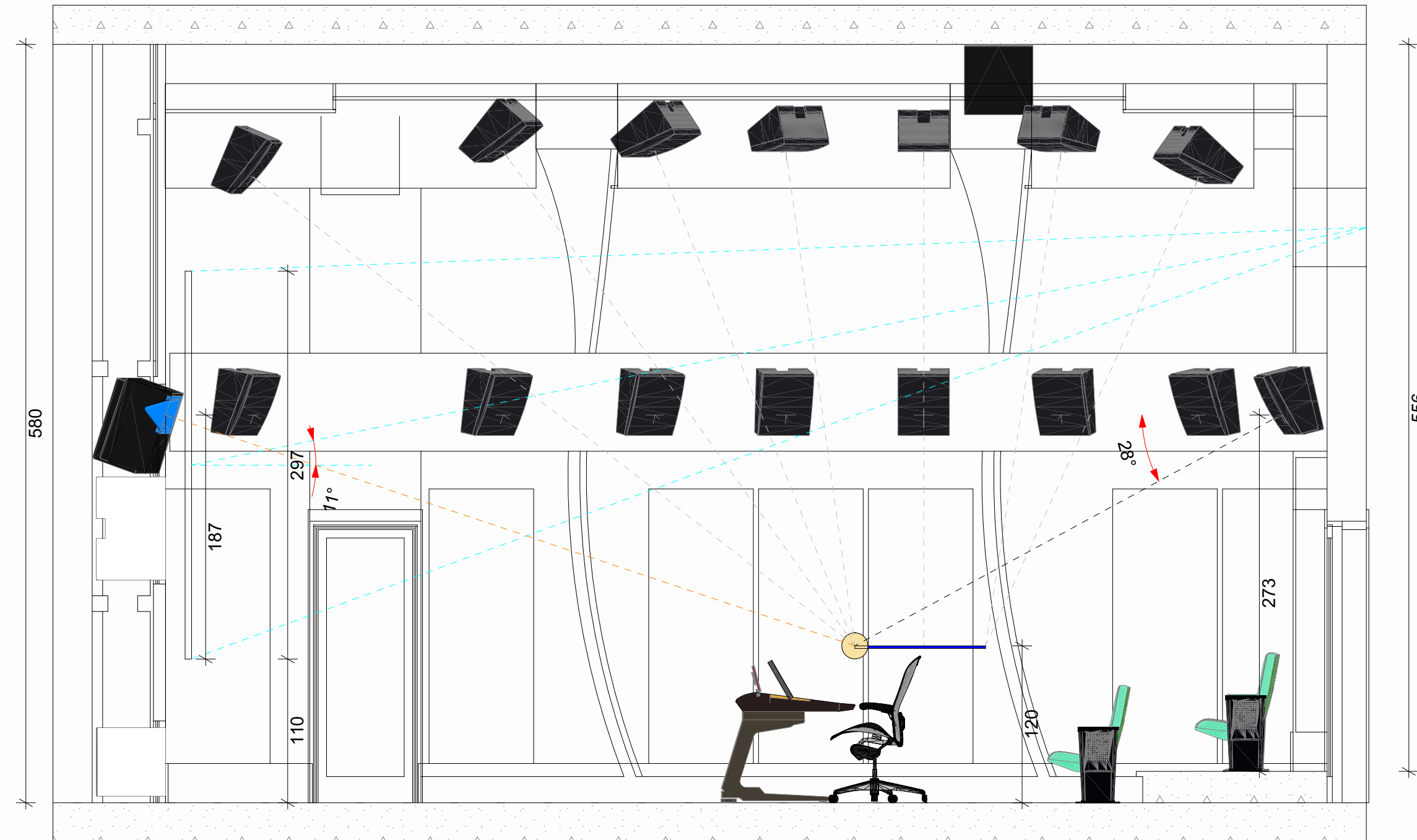
Drawing Number
19 / 21

Title
Dolby
Layout and sections

Dr. Scale
1:50

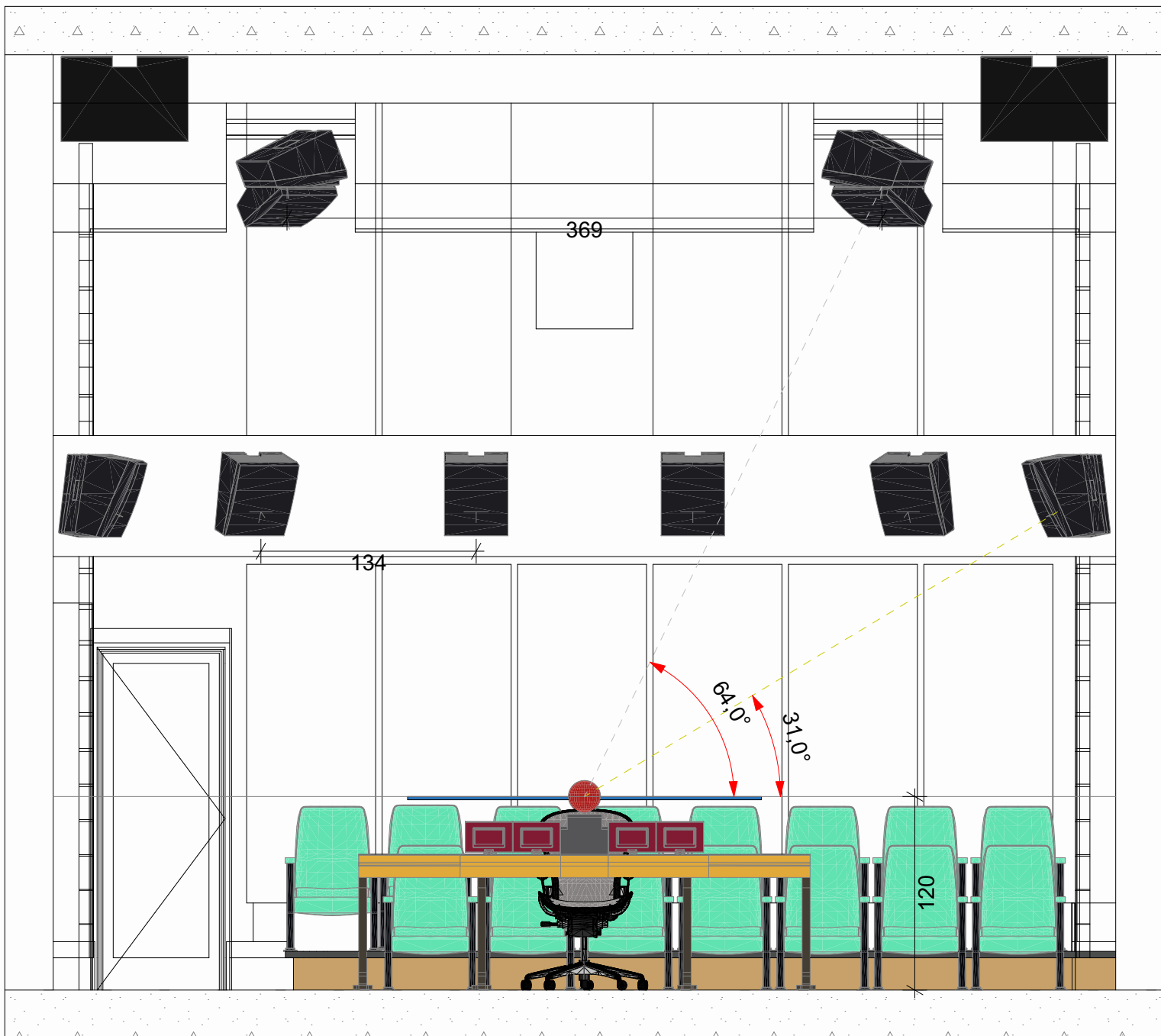
Client
Cinecittà

Project
Sala E



Side elevation

1:50



Rear elevation

1:50

Cinecittà Sala Color Blu

Roma



**1st Color Correction room
in Dolby Atmos**

Cinecittà Sala Color Blu

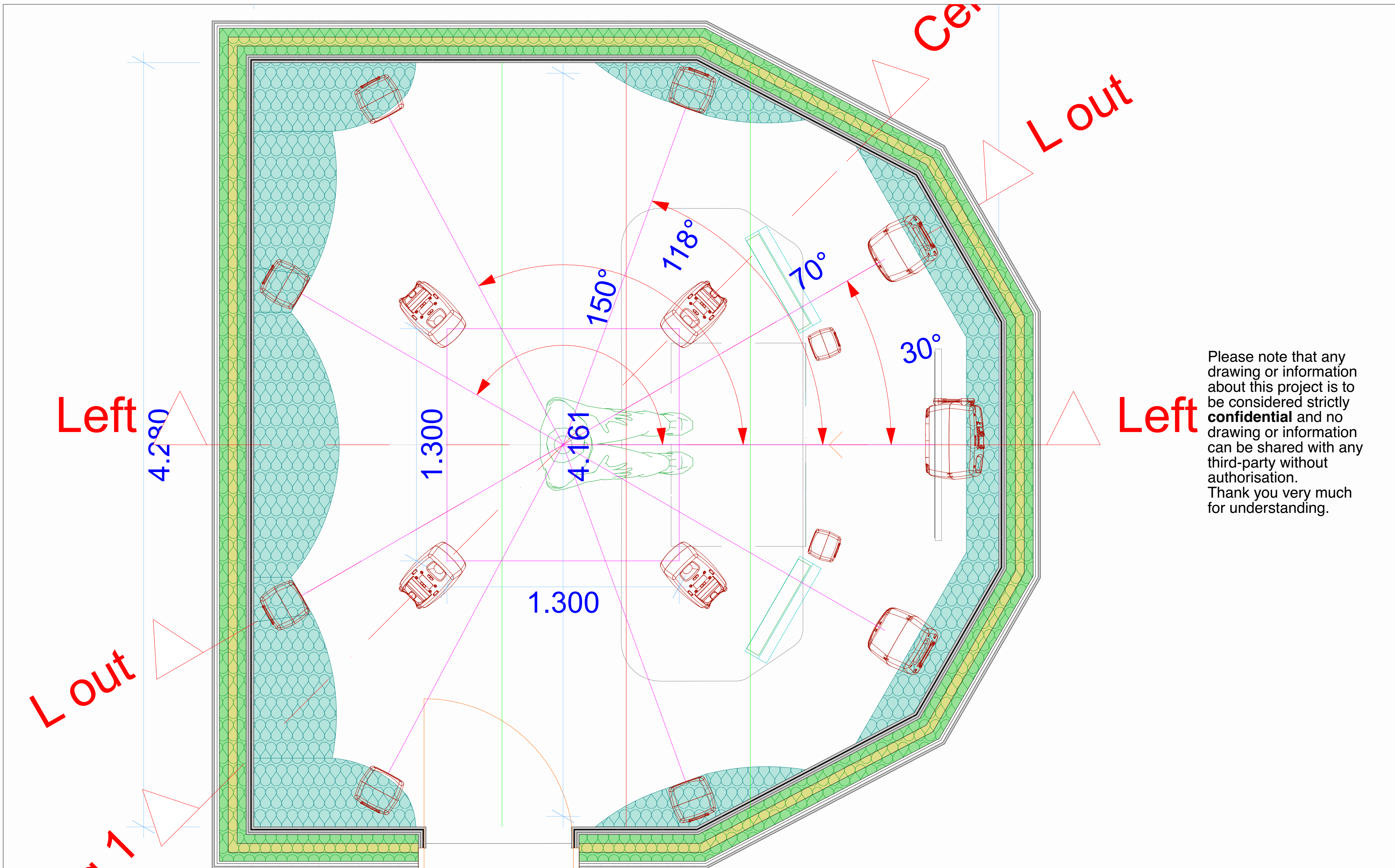
Roma

Other Case studies

FOX Studio

Roma





9.1.4

2018
Fox Networks IT

9.1.4 Dolby Atmos
Home Entertainment

**Fox Networks Group
Italia**

FOX international Channels
Via Salaria 1021, Roma - Italy

Acoustic Design by:

dott. Donato Masci

Via Torricella 22/a, Impruneta (FI) - 50023 Italy

+39 335 8233579, donatomasci@gmail.com

T.C.A.A. 447/95 n.184 (FI)

ing. Cecilia Torracchi

+39.333.8628738

c.torracchi@gmail.com

Drawing Name

Floor

Drawing Status

Drawing Scale

1:20

Layout ID

Tav.00

Polyester Fiber 40 kg/m³

Mineral wool 50 kg/m³

Mineral wool 90 kg/m³

Wood

Concrete

Proaudio Consulting Srl

Via IV Giugno 36 – 47899 Serravalle - RSM

Project Manager: Francesca Bianco

Tel. +378 0549 941536 +39 333 7020564

info@proaudioconsulting.it

www.proaudioconsulting.it



FOX Studio



FOX - NatGeo DE

München, DE



FOX - NatGeo UK

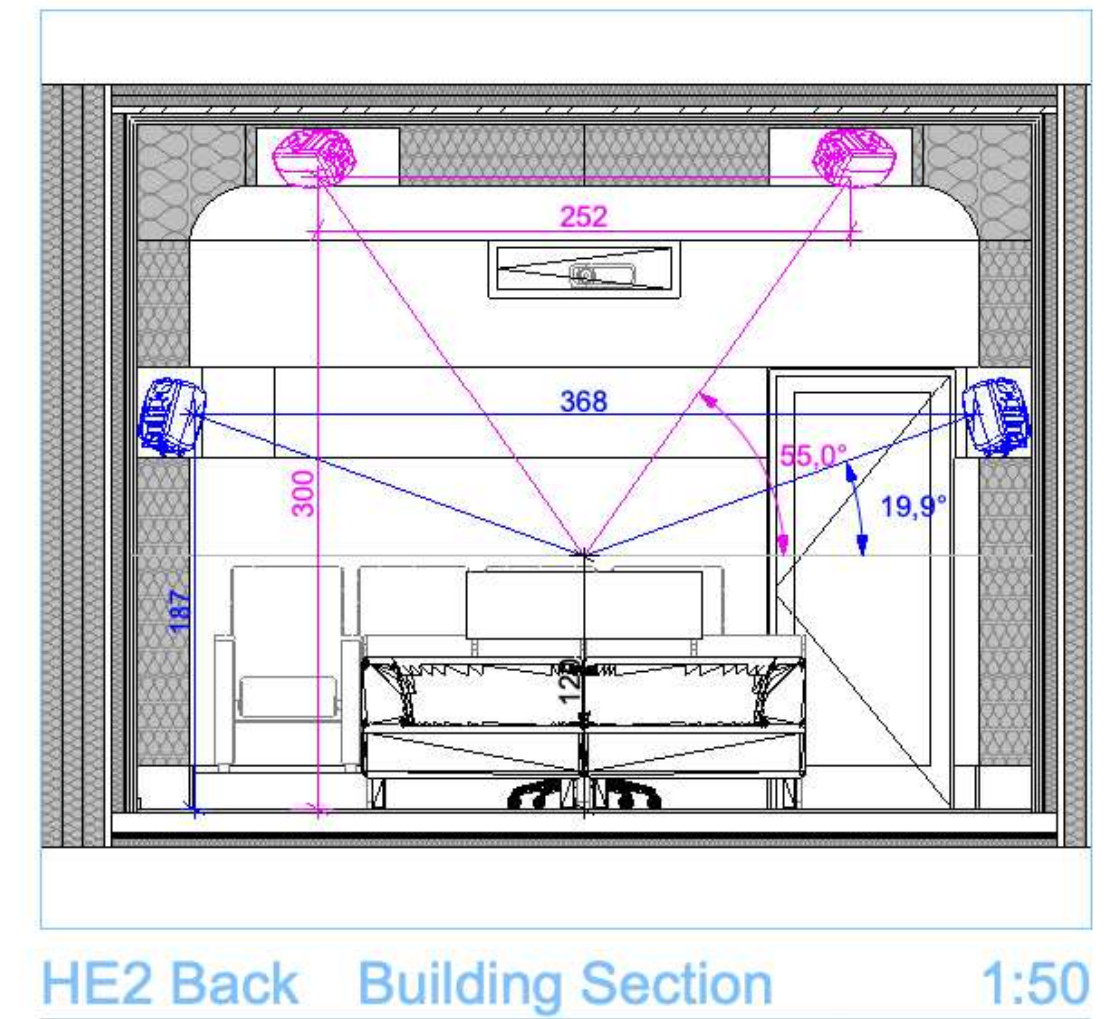
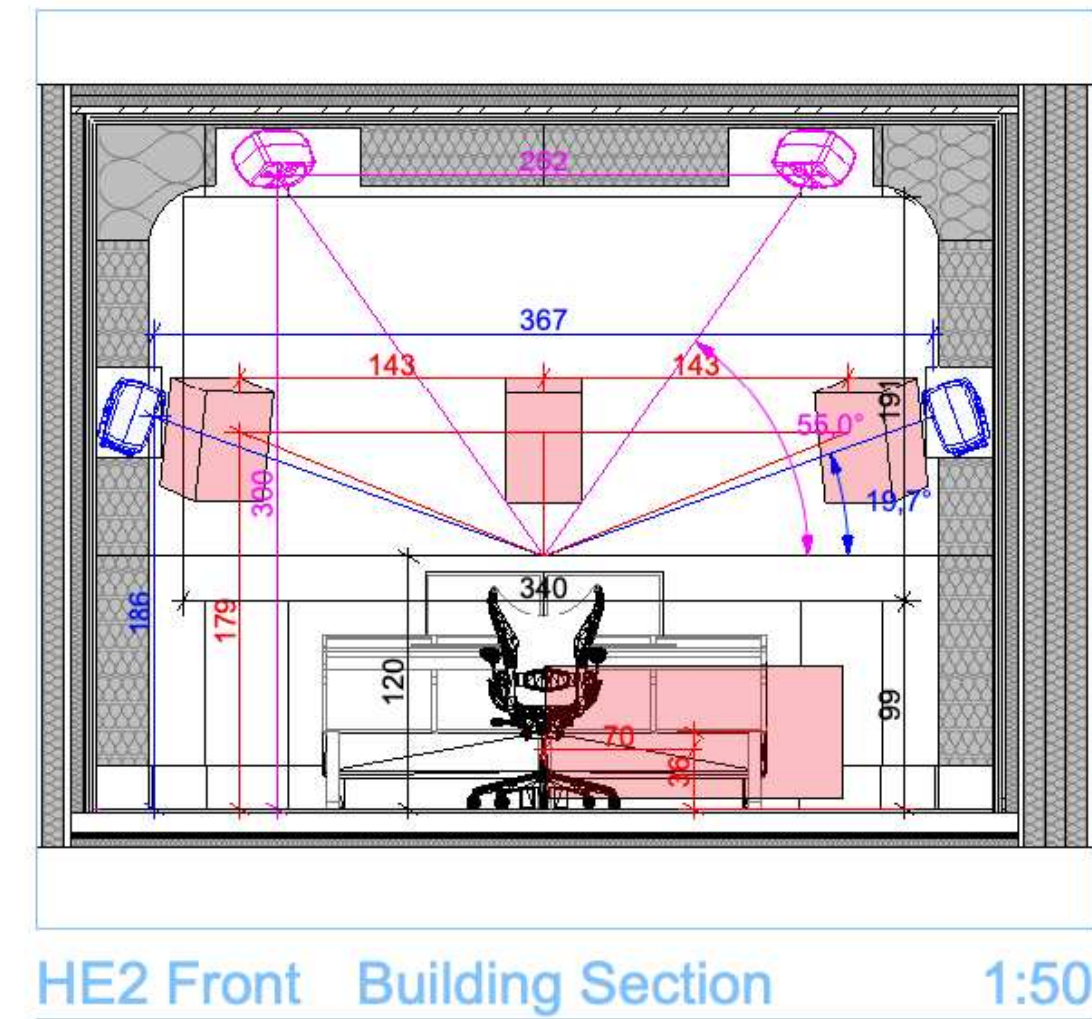
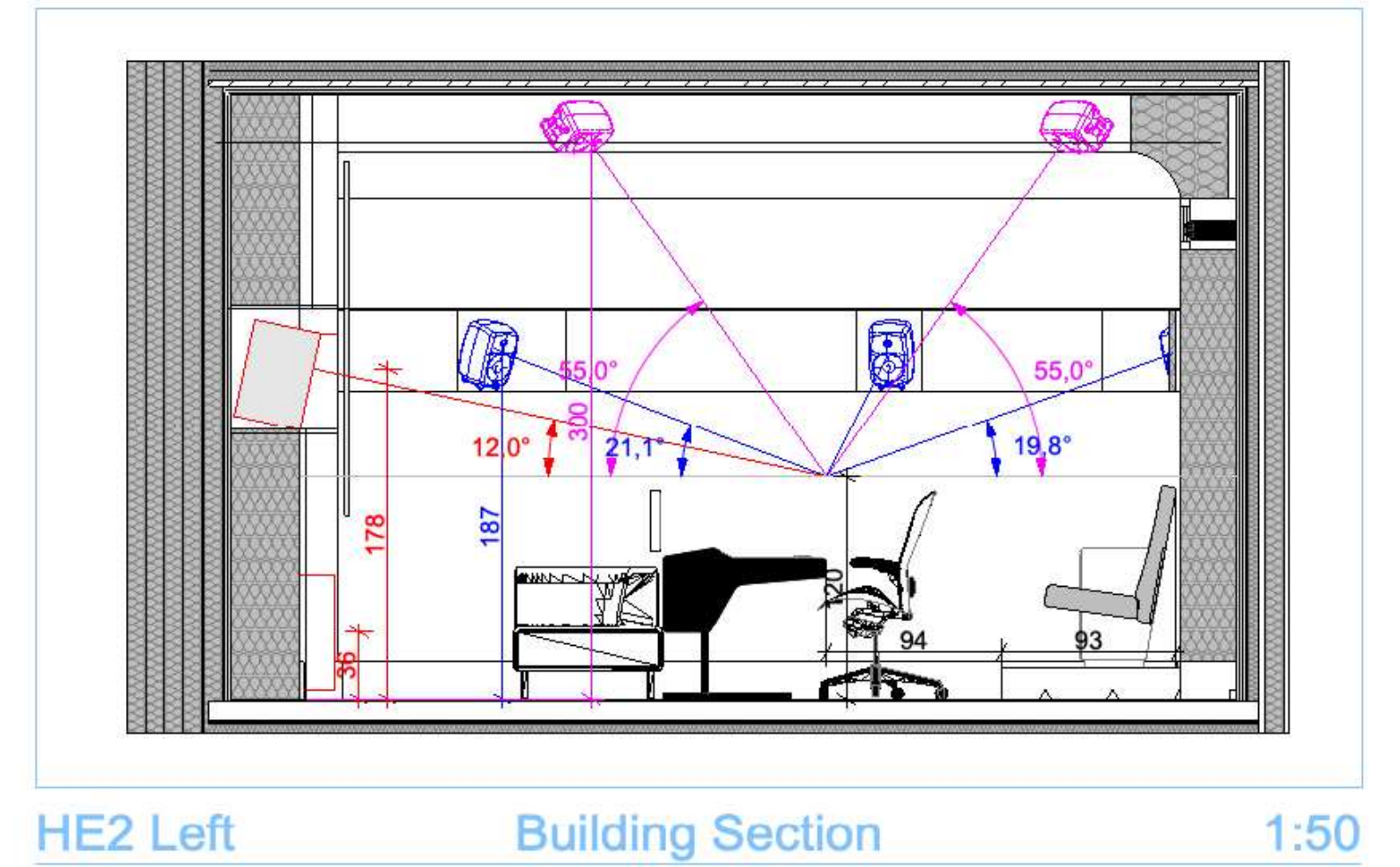
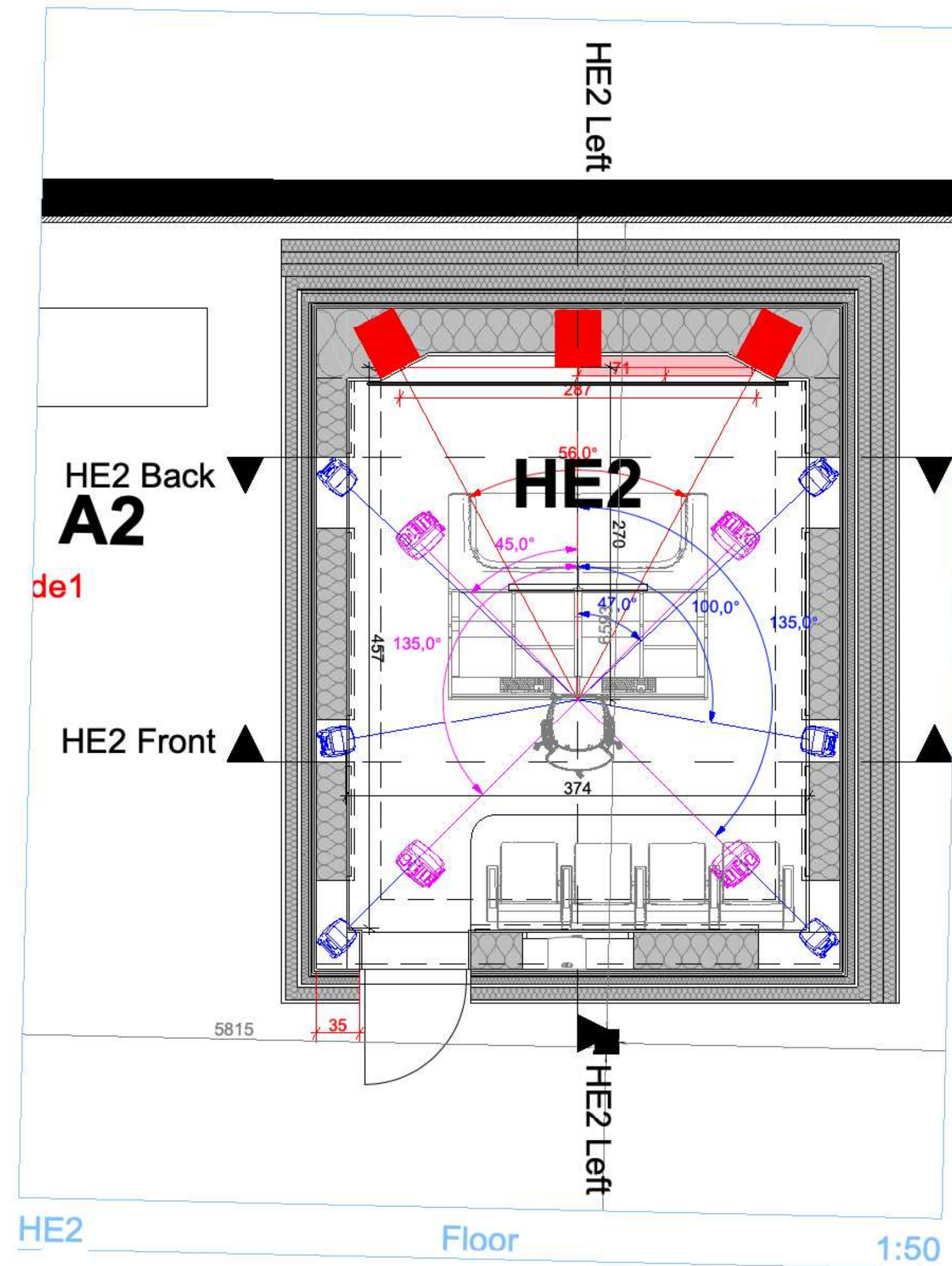
Hammersmith, London UK



3Cycle

Roma





3Cycle

Roma



3Cycle

Roma



Experimental Studios

Torino



House of Glass Gianni Bini

Viareggio



Indie Hub

Milan



**1st Podcast facility
in Dolby Atmos**

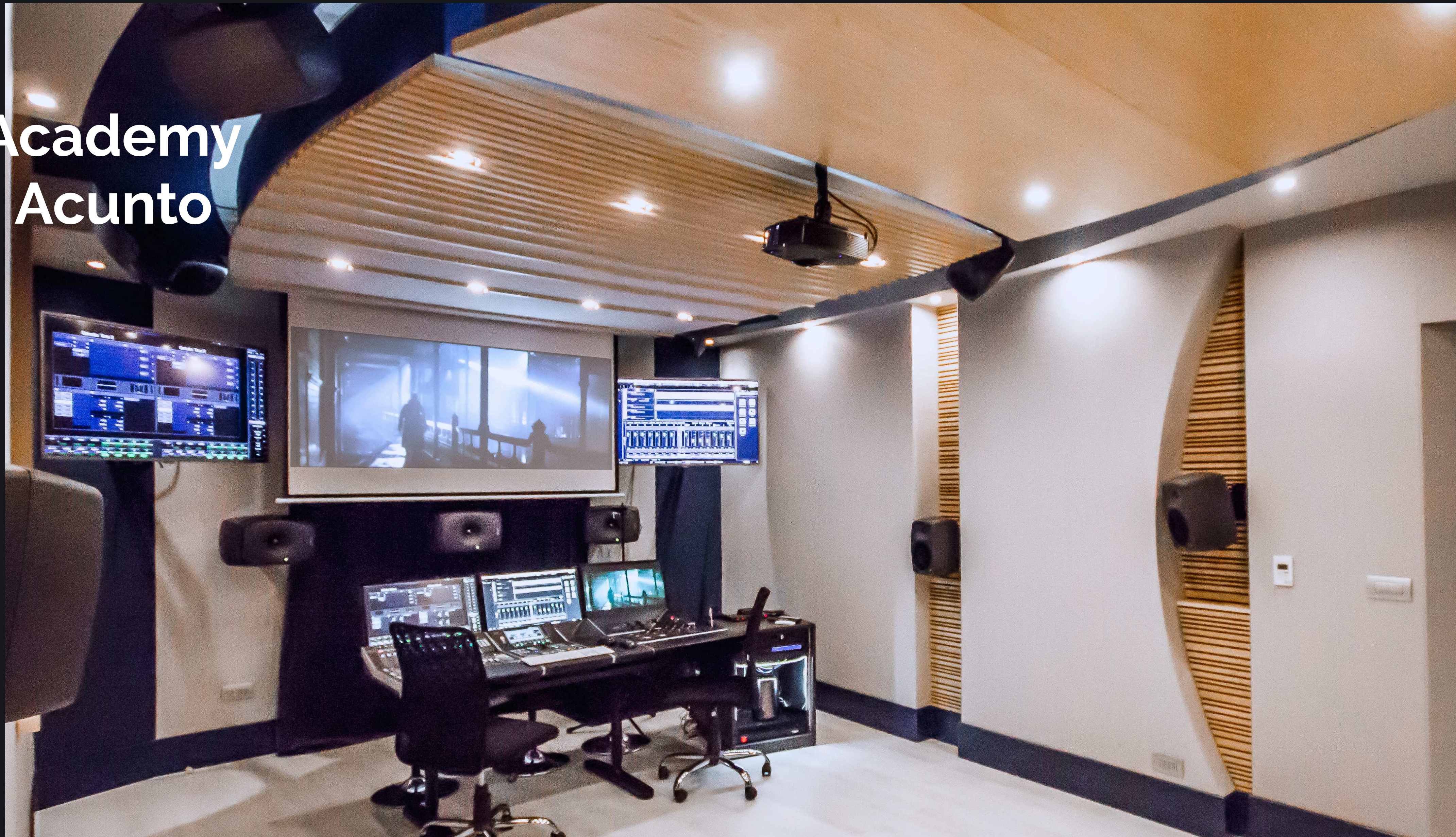
Mulinetti Alberto Parodi

Genoa



Nut Academy Vinci Acunto

Napoli



Goldenart Studio Federica Vincenti

Roma



Q&A



Consigli per l'ascolto

1. St Vincent – “All Born Screaming” & “Daddy's Home”
2. Nilüfer Yanya – “W/WAY HEALTH TM”
3. Billie Eilish – “Happier Than Ever”
4. Pink Floyd – “The Great Gig In The Sky”
5. Maggie Rogers – “Surrender”
6. Art Blakey – “Close your Eyes”
7. The Beatles – “Oh! Darling” (2019 mix)
8. The Doors – “Riders on the Storm”
9. Jacob Collier – “All I Need”
10. Jack Harlow – “Way Out”
11. Kodak Black – “Feeling Peachy”
12. J. Brahms - Symphony #3 in F major (conducted by Ben Gernon / w. London Philharmonic Orchestra)
13. Jack Savoretti – “Too much History”
14. Sitrekin – “Open Chest”
15. Ariana Grande – “Dangerous Woman”
16. Kraftwerk – “Tour de France” + “Robots”
17. Rush – “Tom Sawyer”
18. Briston Maroney – “Rollercoaster”
19. Kanye West – “Black Skinhead”
20. Gregory Porter – “Mona Lisa”
21. Celso Valli - “Sette canzoni al piano”
22. Pooh - “Parsifal”



Grazie!

PDF Presentation Download

studiosoundservice.com/it/education

Contacts

info@studiosoundservice.com

studiosoundservice.com

Link per il training e per
conoscere meglio il discorso
Dolby Atmos e l'idea per la
musica

- A. Partire da qui:
<https://professional.dolby.com/music/support-faq/>
- B. Approfondire:
<https://learning.dolby.com/hc/en-us/sections/360010367372-Dolby-Atmos-Post-and-Music-Production-Learning>
- C. parte "creativa":
<https://professional.dolby.com/content-creation/dolby-atmos-tutorial-series/>
- D. raccolta di tutti i tutorial:
https://professionalsupport.dolby.com/s/learning?language=en_US

Bibliography

- Dolby Atmos Home Entertainment Studio Technical Guidelines
Released 6 May 2021 Confidential information
- Dolby Atmos Music Room
BEST PRACTICES FOR MUSIC ROOM CONFIGURATION
Published: 14 April 2021
Dolby Music Partnerships Team
- DARDT (Dolby Atmos® Room Design Tool)
Music/HE 5.3.7
- Dolby Atmos® Home Theater Installation Guidelines
- Dolby Atmos® Specification
(*issue 3*)
- Dolby Atmos® Next-Generation Audio for Cinema
(*White Paper*)
- SMPTE ST 202:2010 - SMPTE Standard - Motion-Pictures — Dubbing Theaters, Review Rooms and Indoor Theaters — B-Chain Electroacoustic Response
- ITU-R BS 775-3 "Multichannel stereophonic sound system with and without accompanying picture"
(Geneva, 2012)
- ITU-R BS 1116-1 "Methods for the subjective assessment of small impairments in audio systems including multichannel sound systems" (Geneva, 1994-97)
- ITU-R BS.2159-7 "Multichannel sound technology in home and broadcasting applications"
- AESTD1001.1.01-10 "Multichannel surround sound systems and operations"
- SMPTE RP-173, "Loudspeaker placements for audio monitoring in high definition electronic production," Rec., SMPTE N 15.04/152-300B, Society of Motion Picture and Television Engineers (1991)
- EBU Tech 3276-E "Listening conditions for the assessment of sound programme material"(2004)
- Dolby Atmos® Home Entertainment Professional Monitoring Guidelines
(*White Paper*)
- DARDT (Dolby Atmos® Room Design Tool)
- Dolby Atmos® Cinema Technical Guidelines
(*White Paper*)
- Dolby® CP750 Digital Cinema Processor Manual
(*issue 5*)
- Dolby Atmos® Cinema Processor CP850 Manual
(*issue 2*)