

Podcast Studio Design: Form, Culture and Technology

Innovation Showcase – Design for Society

Room 4 26 Feb 2025 10:45 – 11.05

THINKING, LEARNING, DOING:
PLURAL WAYS OF DESIGN

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NINETEENTH INTERNATIONAL CONFERENCE ON DESIGN PRINCIPLES & PRACTICES

Podcast

Form Culture Technology

Introduction

Form: *Evolution of Podcast*

- Podcast was a new form coined in 2004, combining iPod and Broadcast.
- Originated as audio-only, portable, on-demand content.
- Expanded to include video and immersive elements

Culture: *Cultural Diversity and Storytelling*

- This project address Podcast production and consumption in multicultural Singapore
- English, Chinese, Malay, Tamil are the official languages

Technology: *Innovative Production Spaces*

- Evolved studio designs is required for podcast production in multicultural newsroom



Media Production Hub Project - Singapore (2024)

Multicultural Newsroom Production Hub

- Podcast, video, and post-production spaces designed as a co-working hub with dedicated crews. Built in an existing space with Pillars and limited relocation of service trays and AC chiller pipes.

Collaborative Design

- Designed by a group of consultants led by Interior Design, encompassing Audio-Visual, Acoustics, M&E (Mechanical and Electrical). I was the Studio Consultant.

Stakeholder Engagement

- Involved diverse groups of engagement including different newsroom, business units and management

Methodology



Typical consultancy design and implementation cycle

RESULTS & DISCUSSIONS

Main Cultural Differences

language, target audience, podcast hosts and guests

English Production

- First language of Singapore. Biggest group with wide range of topics, host and guests

Chinese Production

- Affiliations with Chinese speaking countries. Strong demand for immersive storytelling

Malay Production

- Affiliations with Malay speaking countries. Relaxed style and strong desire for a proper production space

Tamil Production

- Had to share with Malay Production, simple requirements.

Management

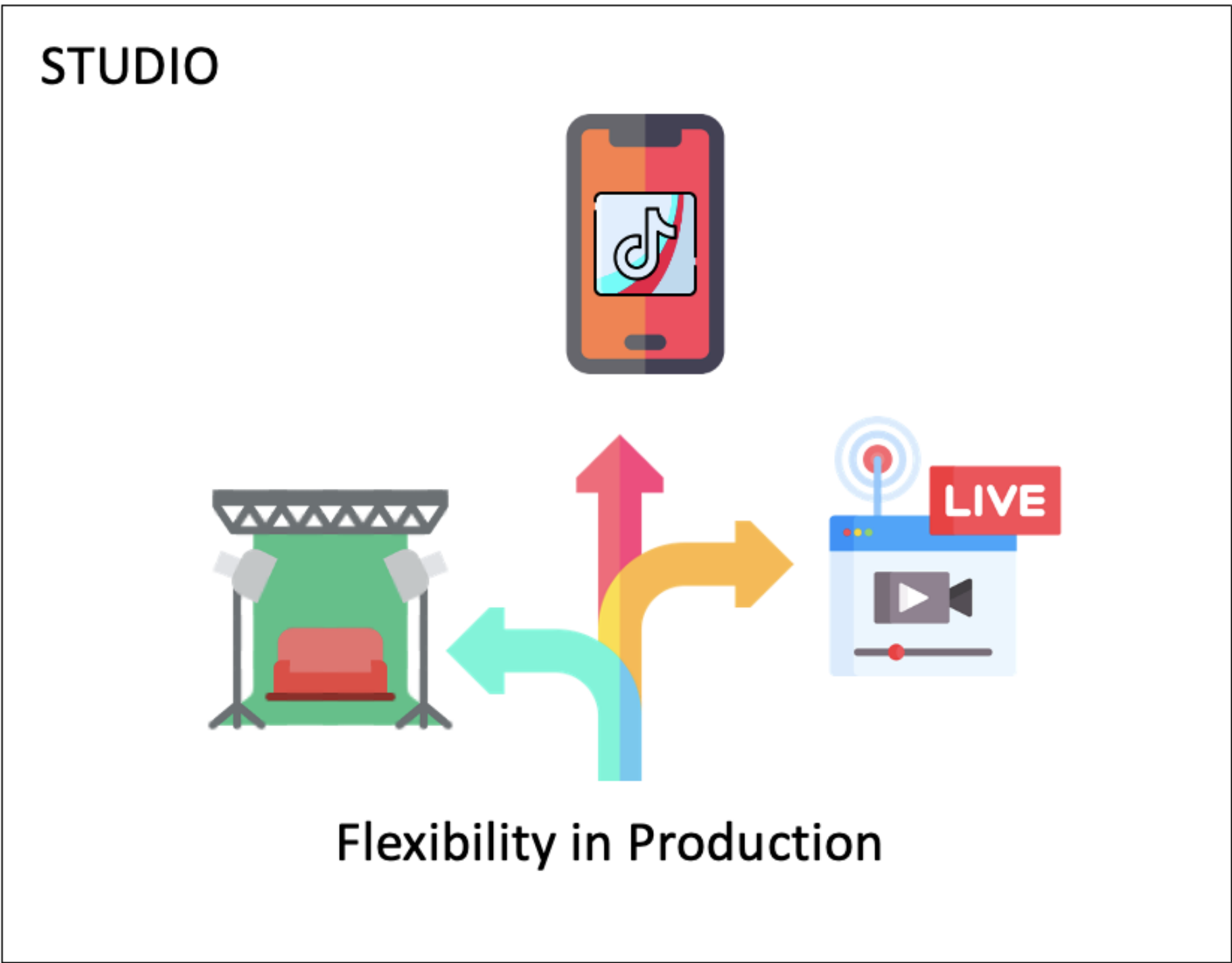
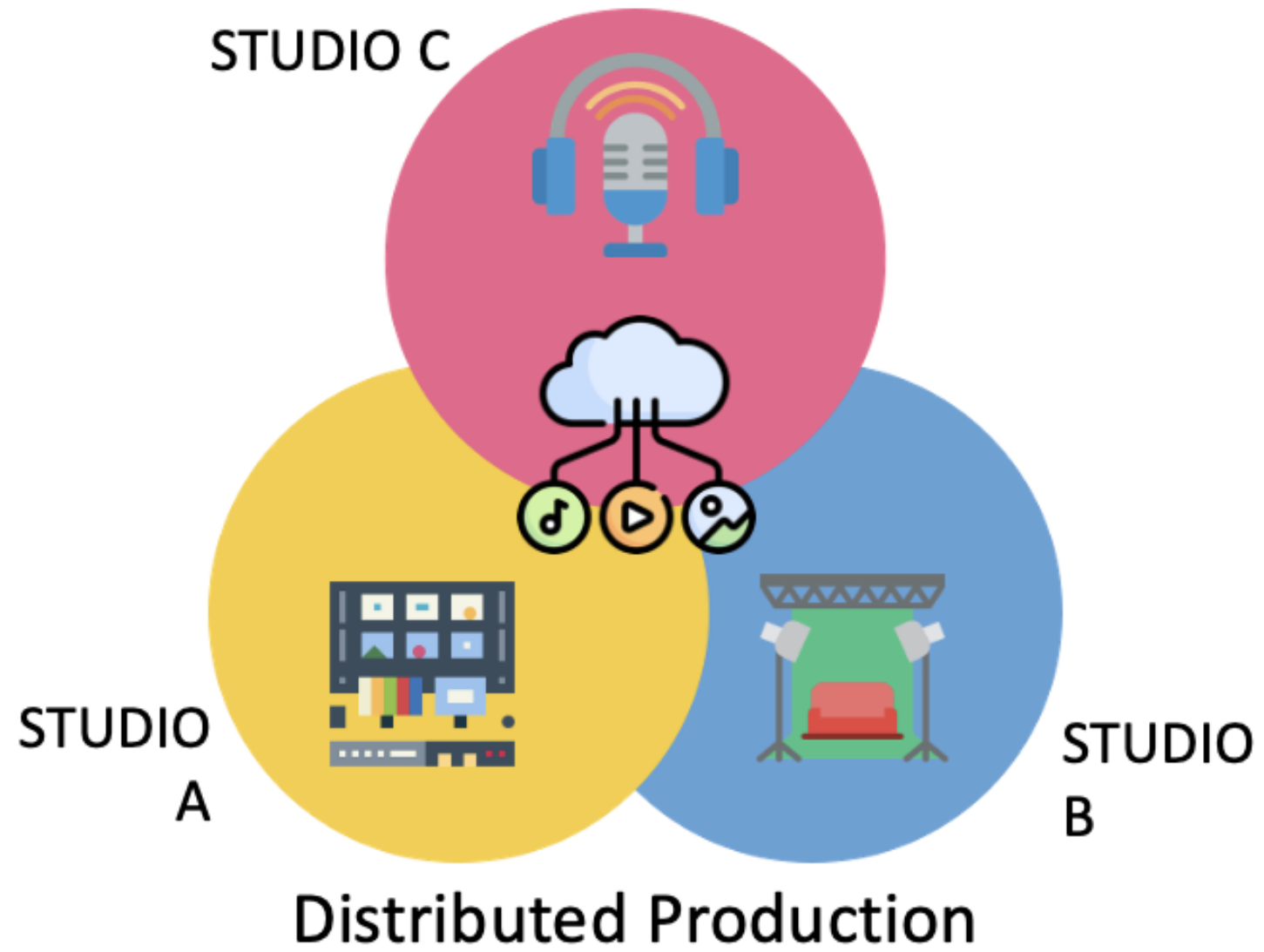
- Instagram-able every corner
- No XR

All Newsroom & Others

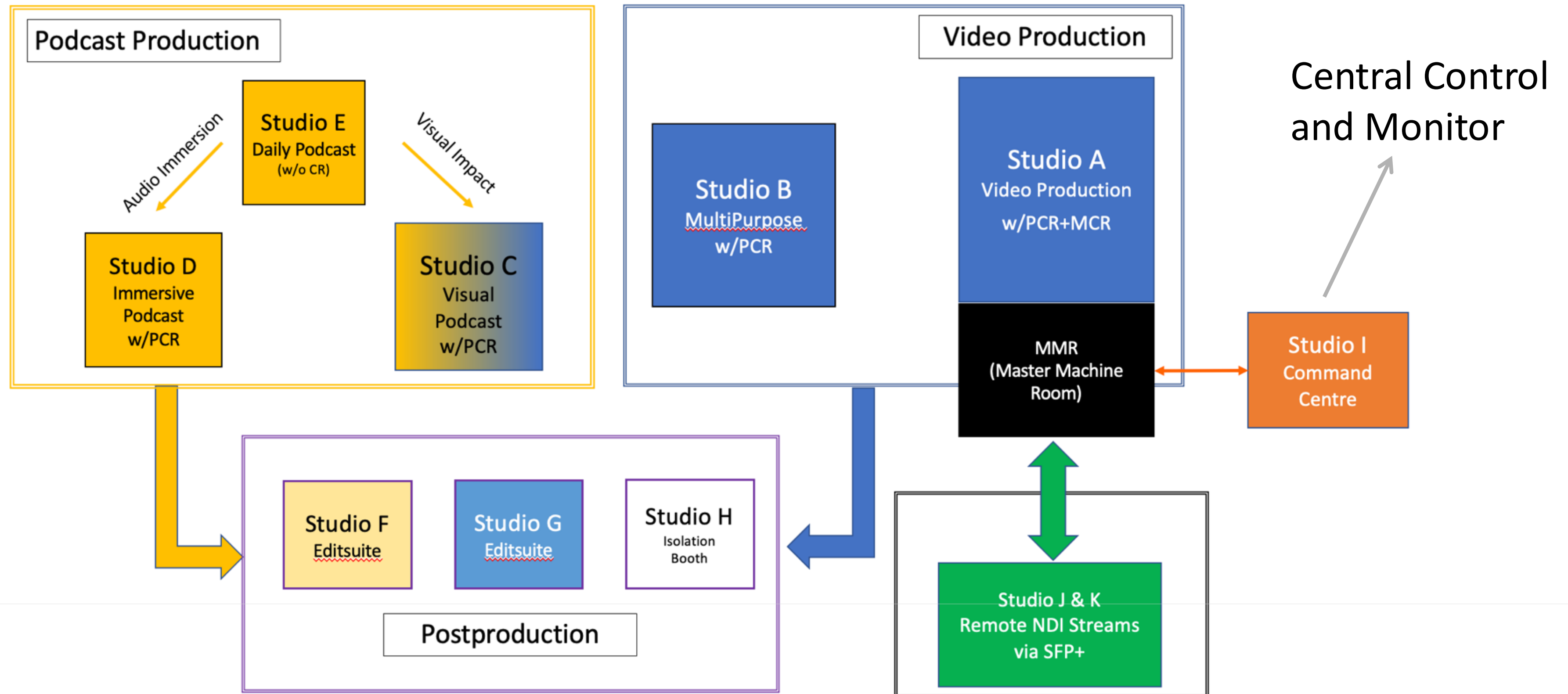
- Video space, cater for small music group
- Self service space



Design Aims



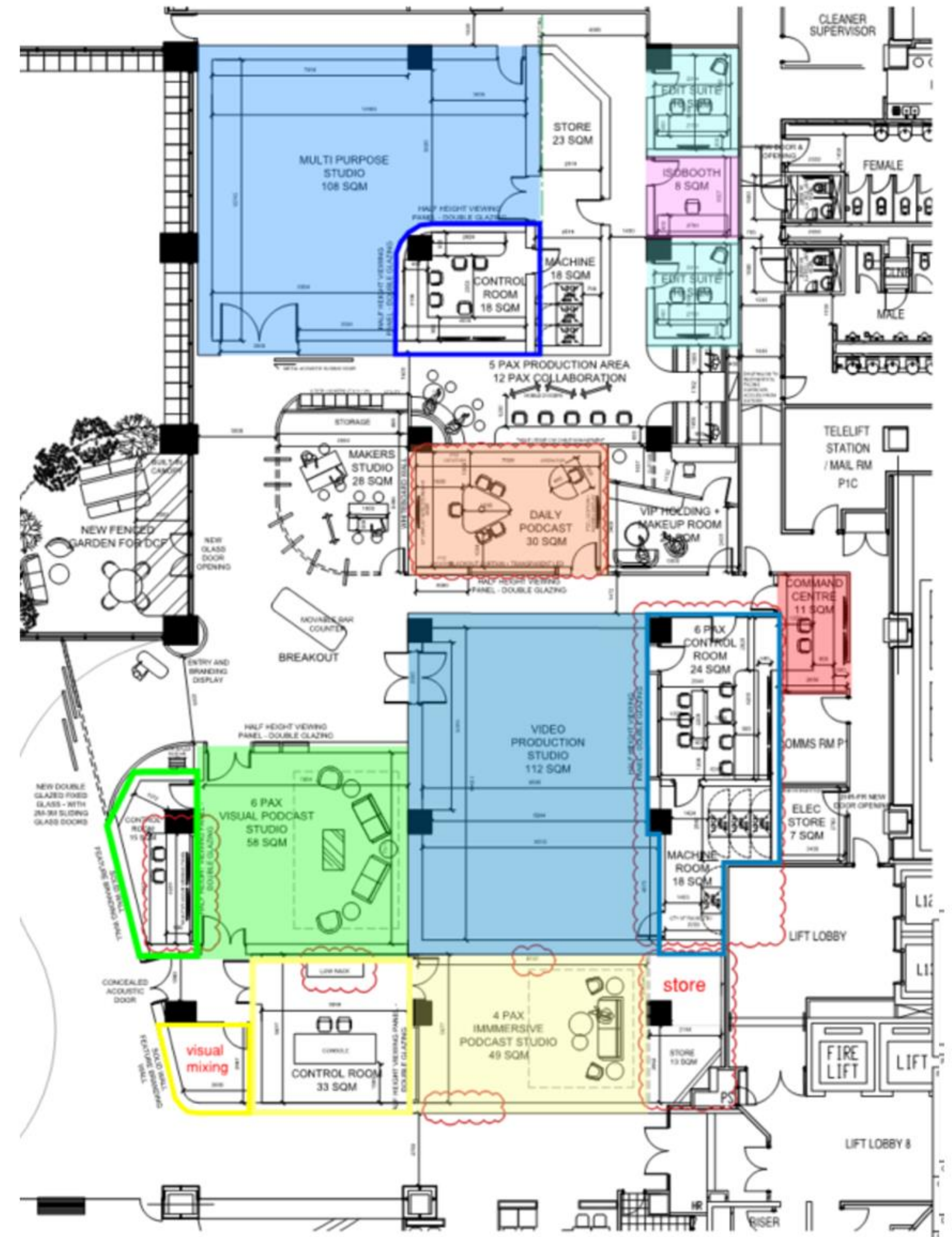
Concept Design



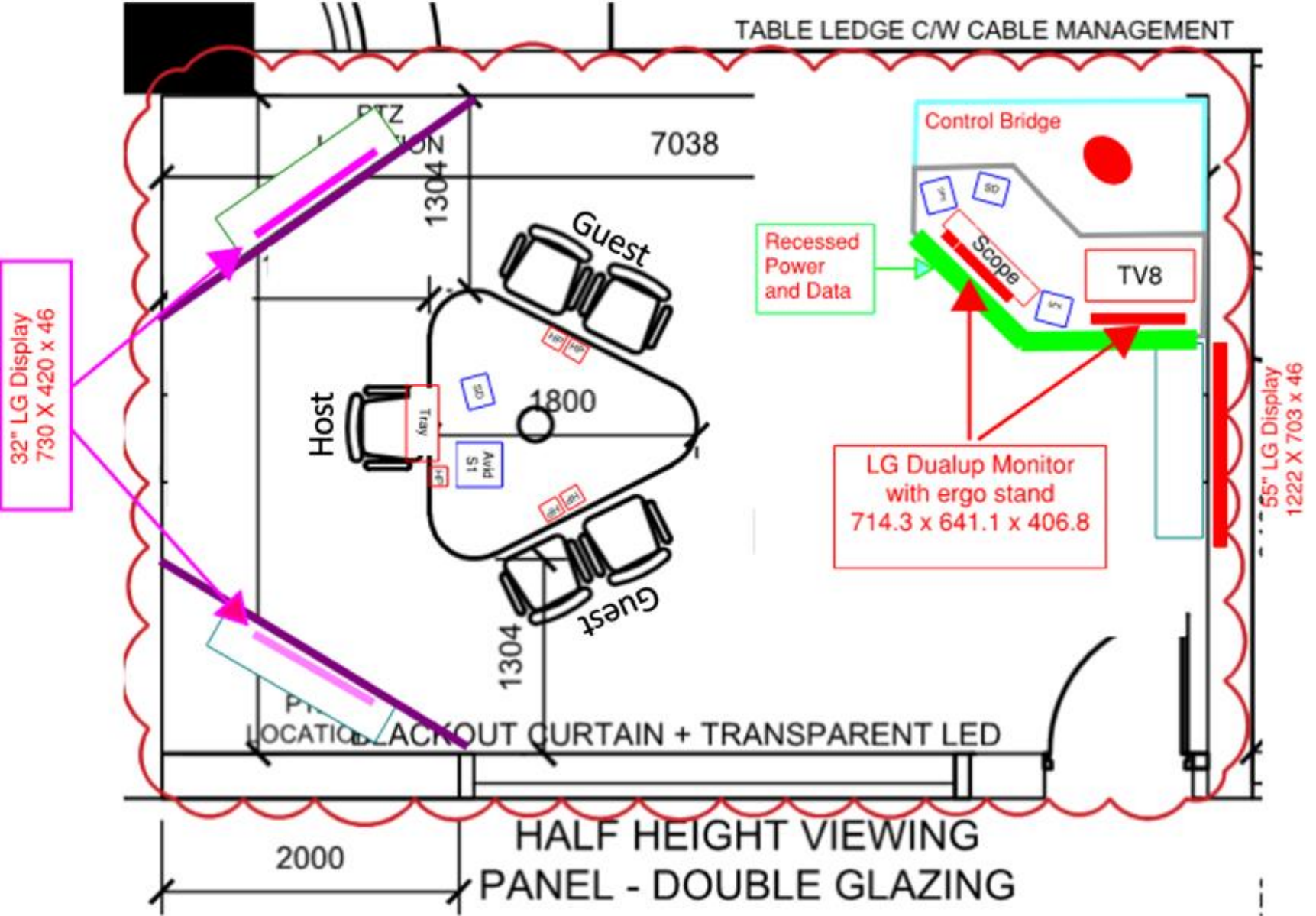
Studio Layout

Legend

Studio	Name
A	Video Production Studio
	Virtual Production Control Room & Master Machine Room
B	Multipurpose Studio
	Multipurpose Control Room
C	Visual Podcast Studio
	Visual Podcast Control Room
D	Immersive Podcast Studio
	Immersive Podcast ACR & VCR
E	Daily Podcast Studio
F&G	Edit Suites
H	Isolation Booths
I	Command Center



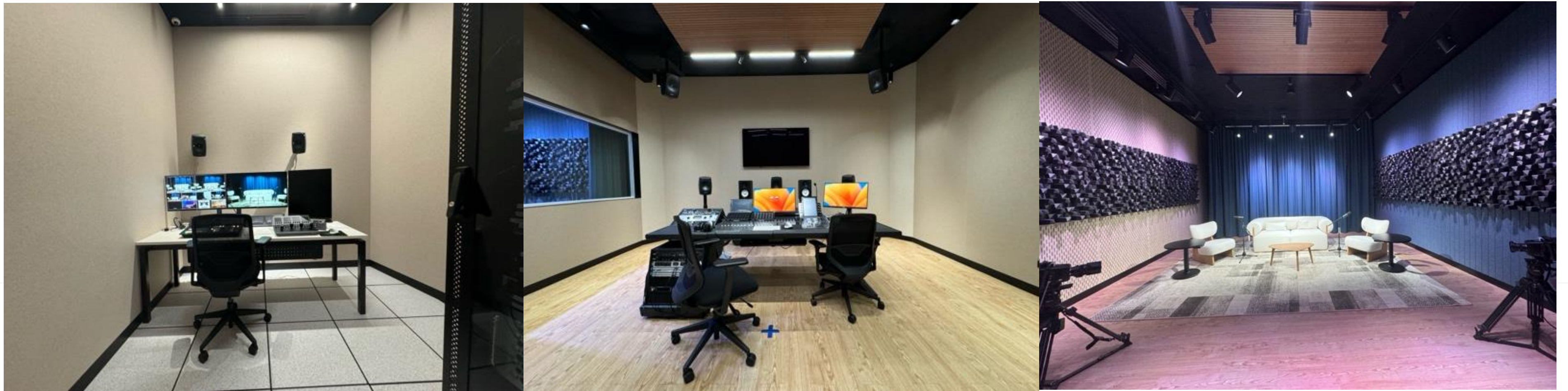
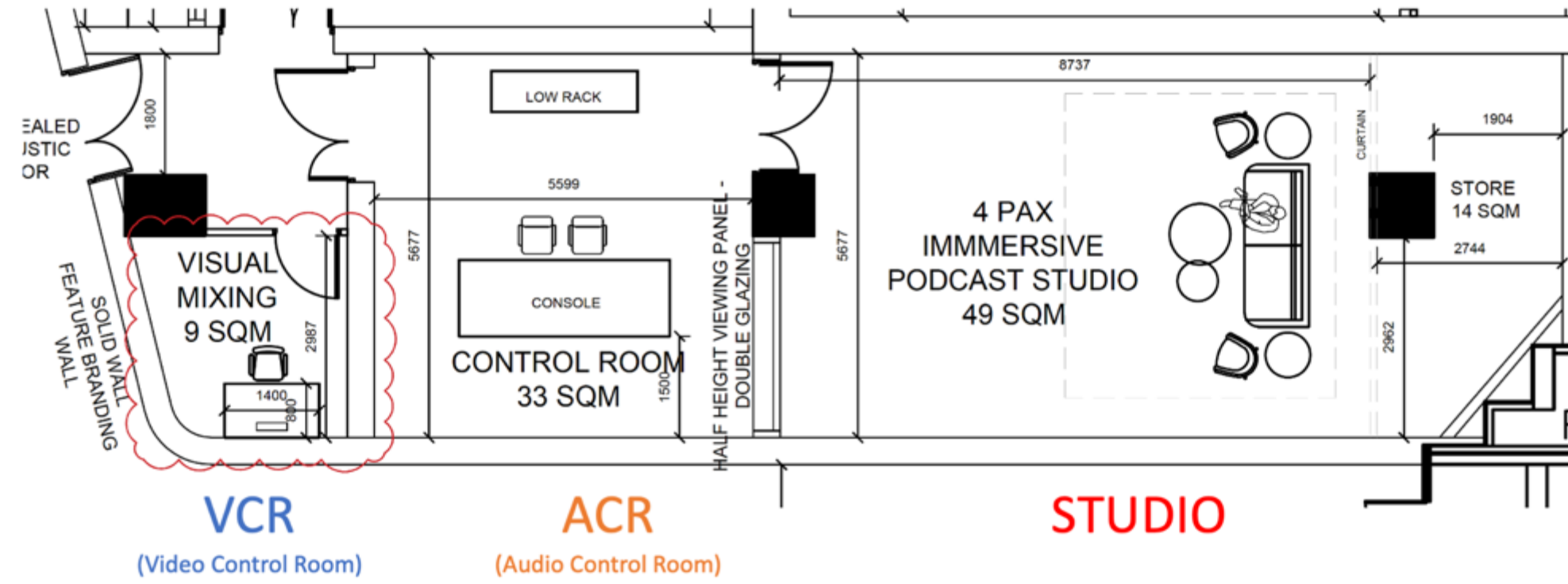
Daily Podcast Studio – Layout



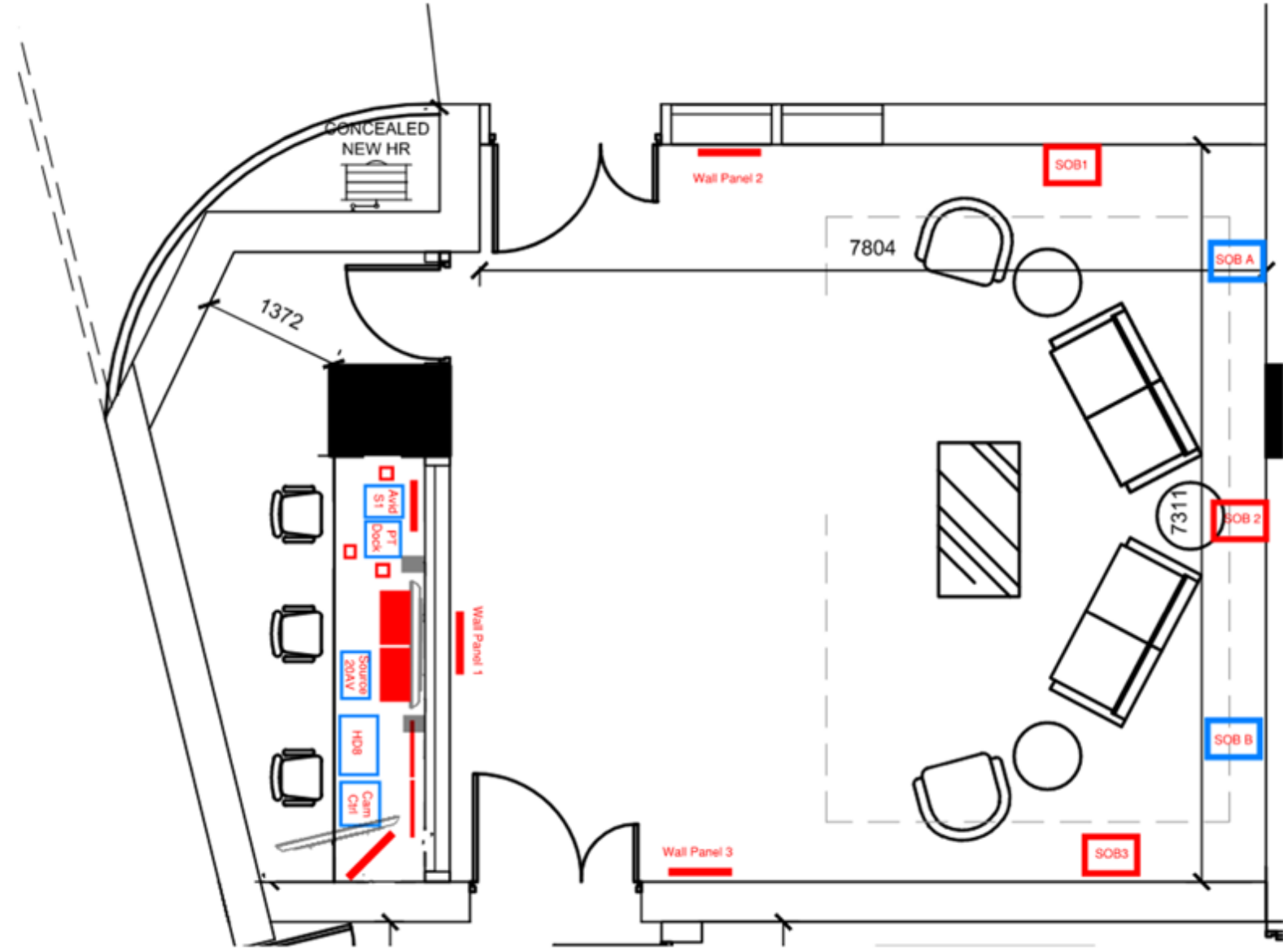
- Slider Cavity 1200 X 300 X 300 
- TV8 586 X 376 X 162 
- 121 X 115 X 196 
- 118 X 84 X 25 



Immersive Podcast Studio - Layout



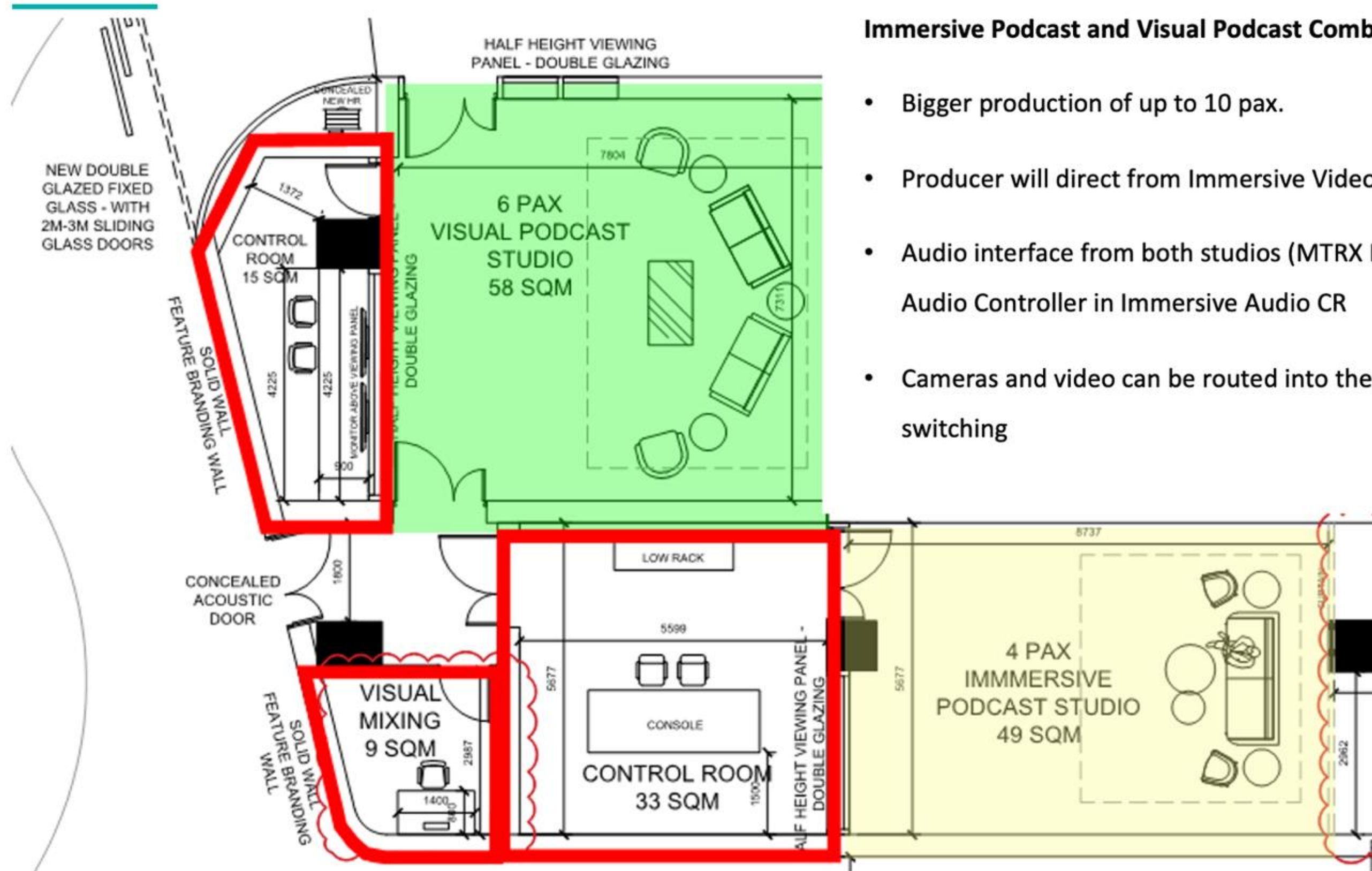
Visual Podcast Studio - Layout



Basis Workflow for Production and Postproduction



Combined Podcast Production

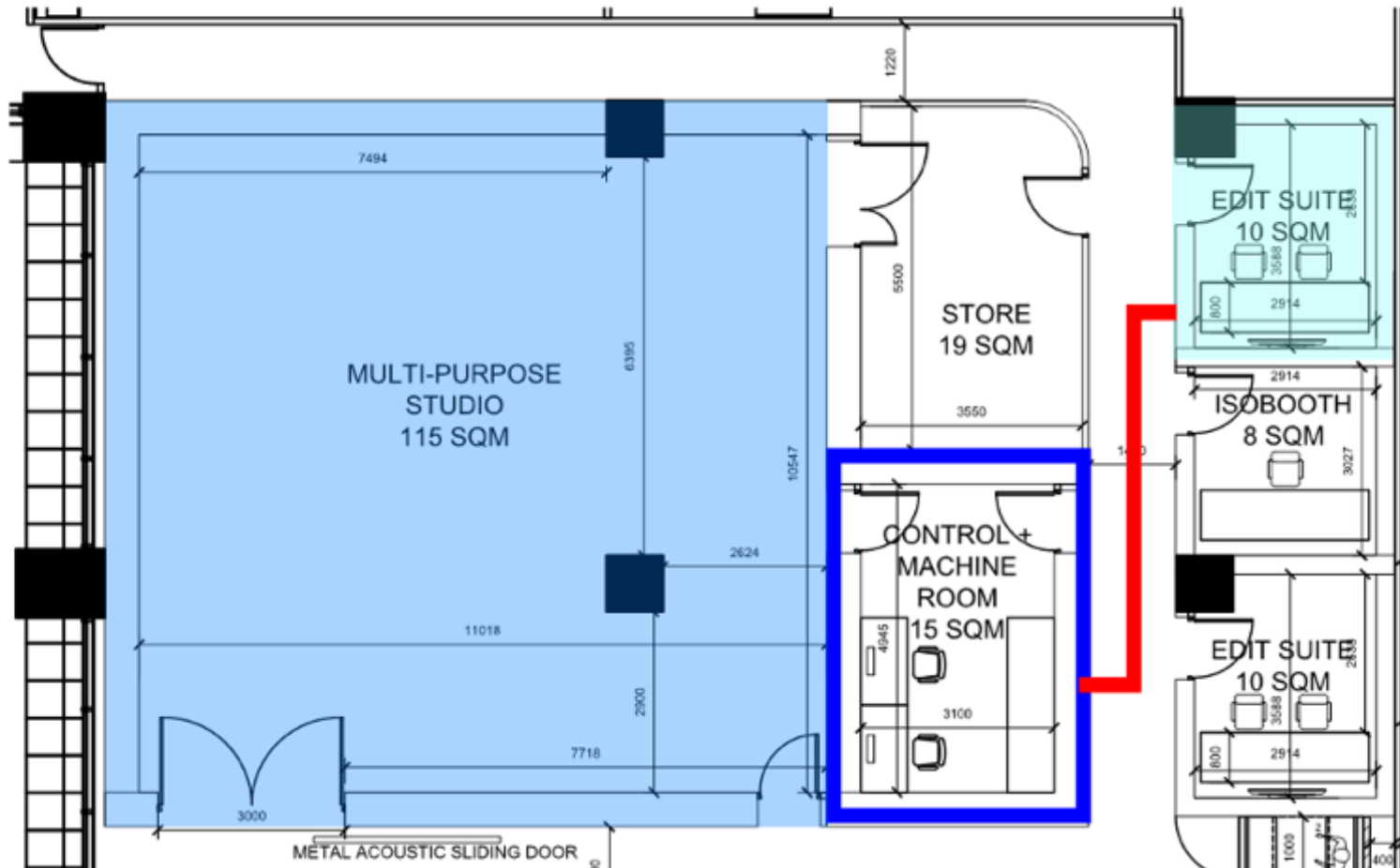


Immersive Podcast and Visual Podcast Combined

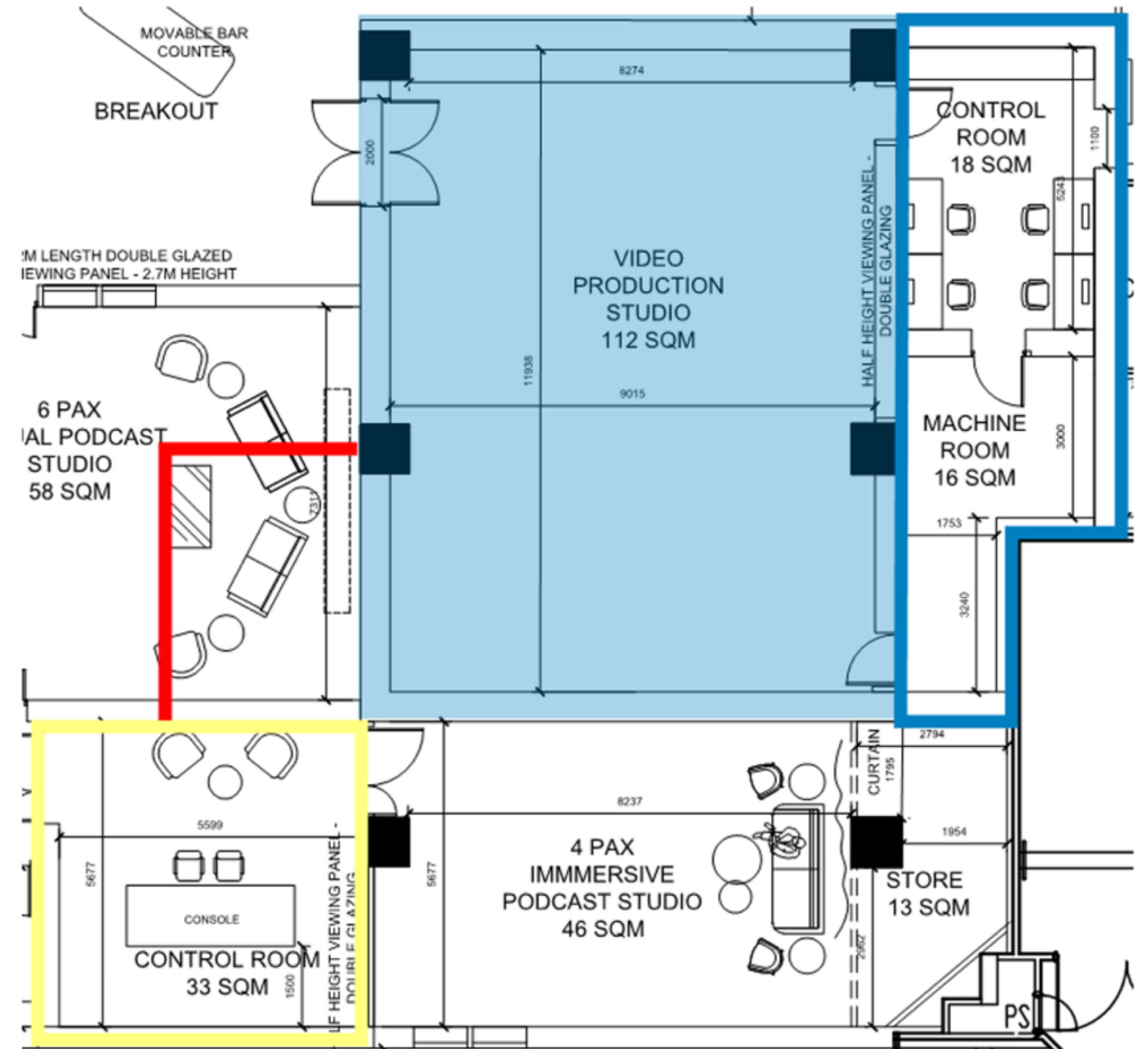
- Bigger production of up to 10 pax.
- Producer will direct from Immersive Video CR.
- Audio interface from both studios (MTRX II) will be linked and controlled by Audio Controller in Immersive Audio CR
- Cameras and video can be routed into the Immersive Video CR for control and switching

Broadcast Audio Mixing for Live Venues

- Multi-purpose Studio and Video Production studio will be Live venues, with live audio mixers.
- Audio mix for media distribution is very different from live mix. For critical broadcast event, audio can be routed to Editsuite suite or Immersive Audio CR for broadcast mixing.



Multipurpose Studio to Edit Suite #2
(physical audience mix & online audience)



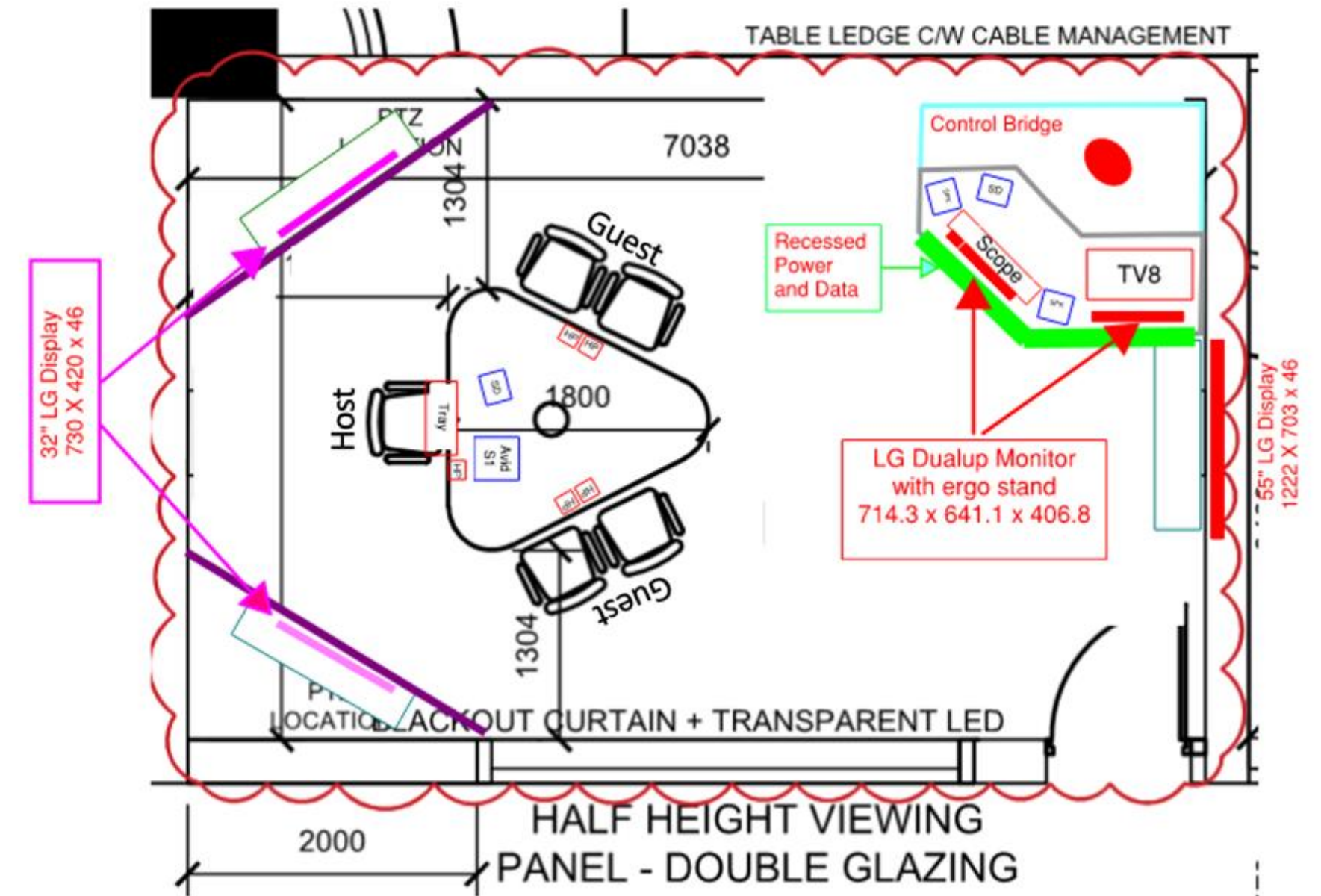
Video Production Studio to Immersive Podcast Control Room (surround sound mix)

Inferred from videos that were publicly released

OUTCOMES

Daily Podcast Studio

Daily Podcast Studio – Layout



- Slider Cavity 1200 X 300 X 300
- TV8 586 X 376 X 162
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Visual Podcast Studio – Video Podcast



Visual Podcast Studio - Talkshow



Immersive Podcast Studio – Video Podcast



Immersive Podcast Studio – Auxilliary Lighting



Immersive Podcast Studio – Music Podcast



Distributed Production ?



Conclusions

The facility completed testing and commissioning in January 2024, embodying the integration of Form, Culture, and Technology—a design philosophy that enhances media production capabilities while addressing cultural diversity and evolving technological demands (Katz & Ahern, 2019).

In this presentation, the project showcased the transformation of a production space traditionally focused on on-demand audio, now expanded to include video, and further pushing boundaries with immersive and XR formats.

THANK YOU!