



**Invitation to tender:
LED Displays and Event Lighting System
for FIVB Volleyball Nations League Hong Kong 2024**

Annex C

Fixtures

List of approved substitutes below.
Contact VW to discuss any other substitutes.

Legend

Symbol	Name	Count
	Mac Ultra Performance	10
	MAC Axiom	124
	Sceptron 10 1000	104
	Large Video Projector	8
	Q-7	48
	MAC Quantum Wash	32
	BMFL FollowSpot LT	4
	ArenaVision LED	48

Control Package

1 x MA2/3 Fullsize or Light (MAIN)
1 x MA2/3 Fullsize of Light (BACKUP)
Software Version 3.9.60.28 or later
NPU(s) if parameter count requires
Wireless access to MA-Net for remote control

Preferred Unit Substitute

MAC Ultra Performance
MAC III Profile
MAC Viper Profile
MAC Encore Profile
VL4000 Spot
VL3500 Spot

MUST FIT 5 x 'E' SIZE CUSTOM GLASS GOBO (VW PROVIDES) IN ROTATING WHEEL

MAC Quantum Wash
Robe K20
Robe Tarrantula
GLP X4L/X5 (not X4)
BMFL Wash/Washbeam
Rogue R3X Wash
VL6500/VLZ Wash
Mac Ultra/Encore Wash

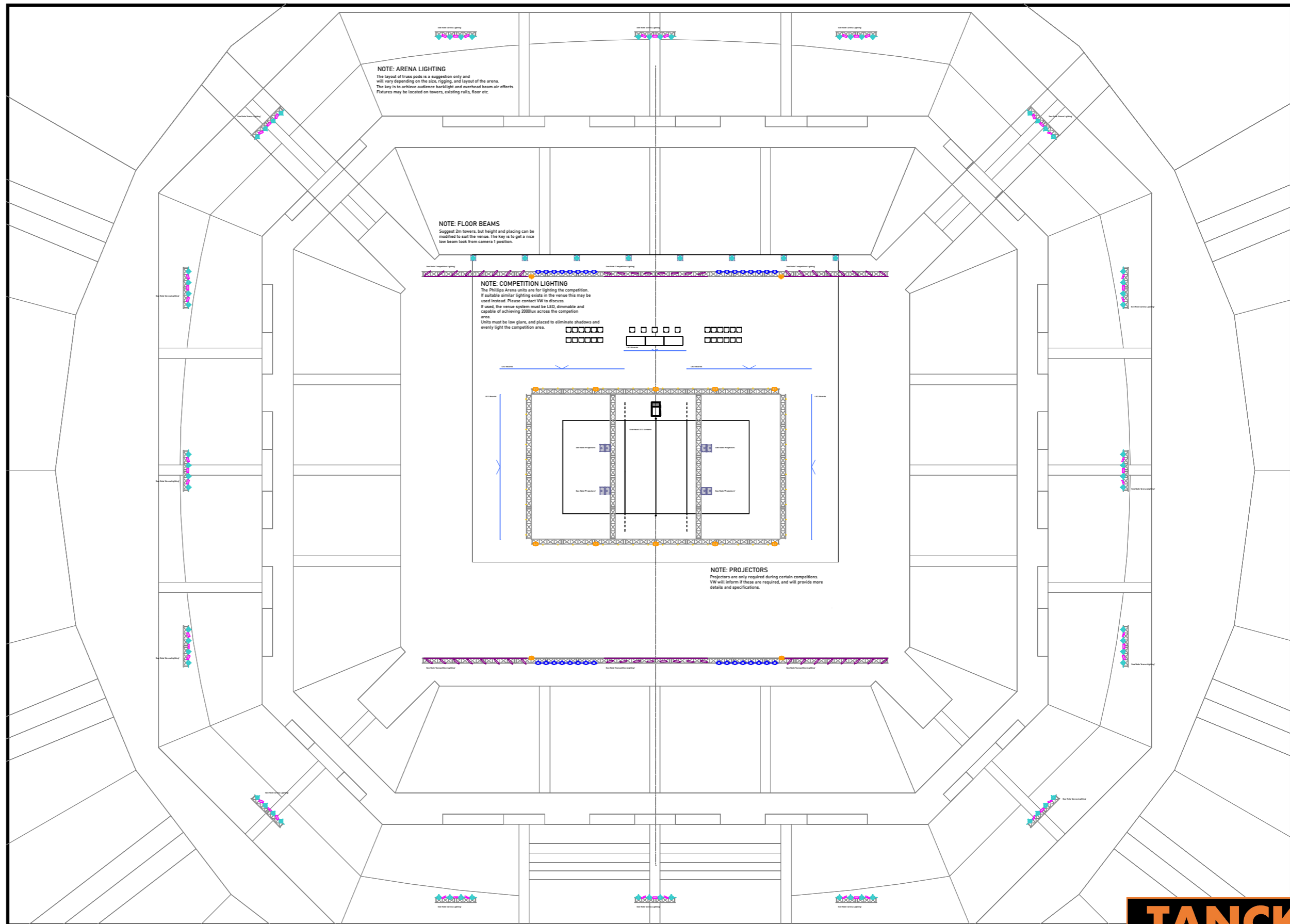
Martin MAC Axiom (301 thru)
CP Mythos 2
Robe MegaPointe
CP Sharpy
Robe Pointe

SGM Q-7
GLP JDC1
Similar Output SGM Unit
Solaris Flare
Elation Protron Eclipse
Chauvet Color Strike M

BMFL Followspot
Any remote tracking spot
Manual arena spots (please contact to discuss location)

Sceptron
If Sceptron are available any lens options is OK (round, square, pixel) EXCEPT the tube option
If Sceptron not available try to create the effect with units that are:
-DMX Controllable (not video mapped)
-Have segment control of at least 4 pixels/metre
-Frosted lens (pixels/glare not individually
-2m long, or combination of units to achieve



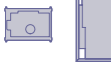



Lighting Plot (Overview)



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Lighting (Court Detail)

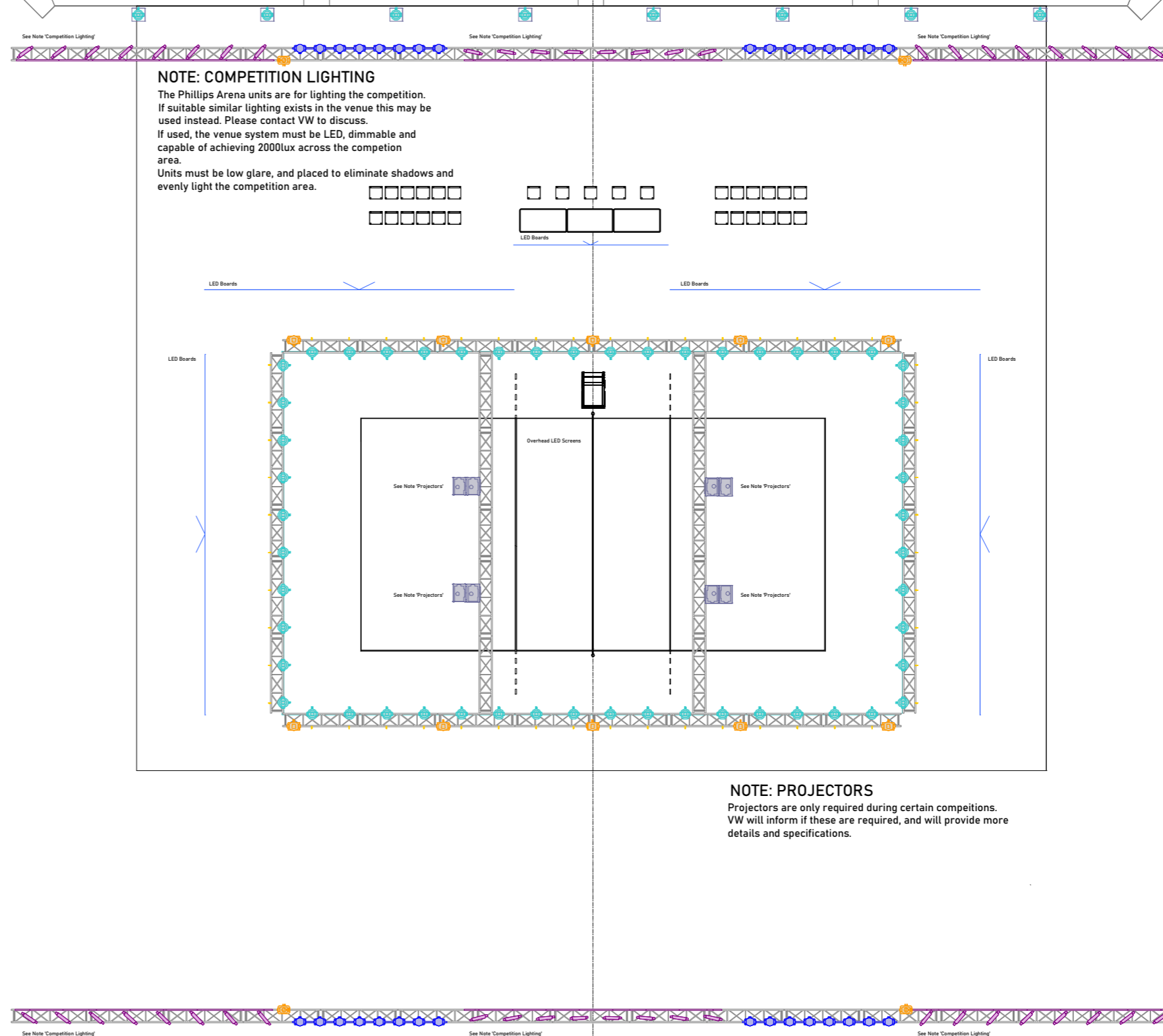
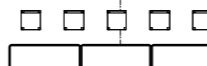
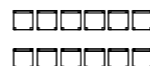
NOTE: FLOOR BEAMS

Suggest 2m towers, but height and placing can be modified to suit the venue. The key is to get a nice low beam look from camera 1 position.

NOTE: COMPETITION LIGHTING

The Phillips Arena units are for lighting the competition. If suitable similar lighting exists in the venue this may be used instead. Please contact VW to discuss.

If used, the venue system must be LED, dimmable and capable of achieving 2000lux across the competition area.
Units must be low glare, and placed to eliminate shadows and evenly light the competition area.











NOTE: PROJECTORS

Projectors are only required during certain competitions. VW will inform if these are required, and will provide more details and specifications.

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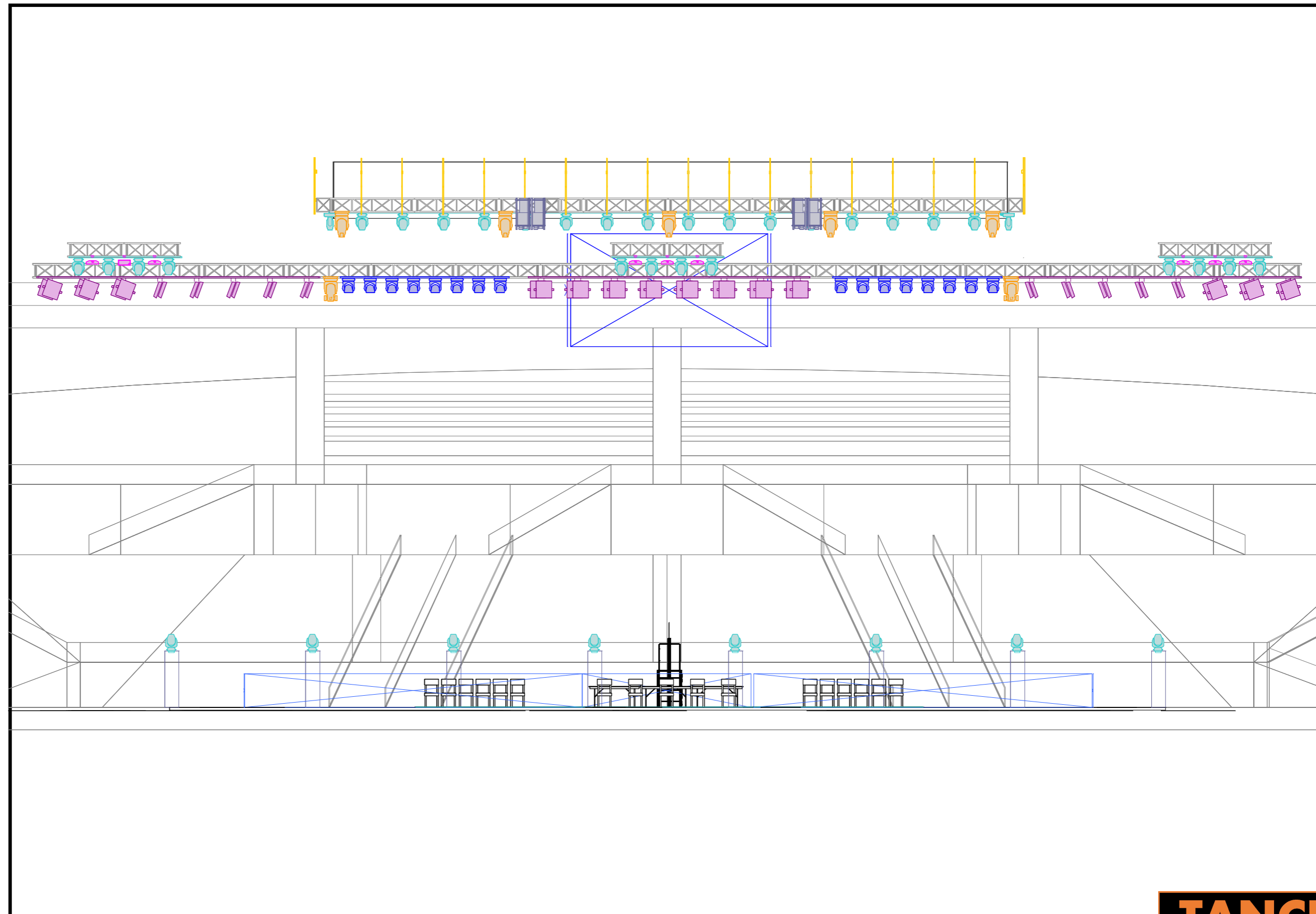
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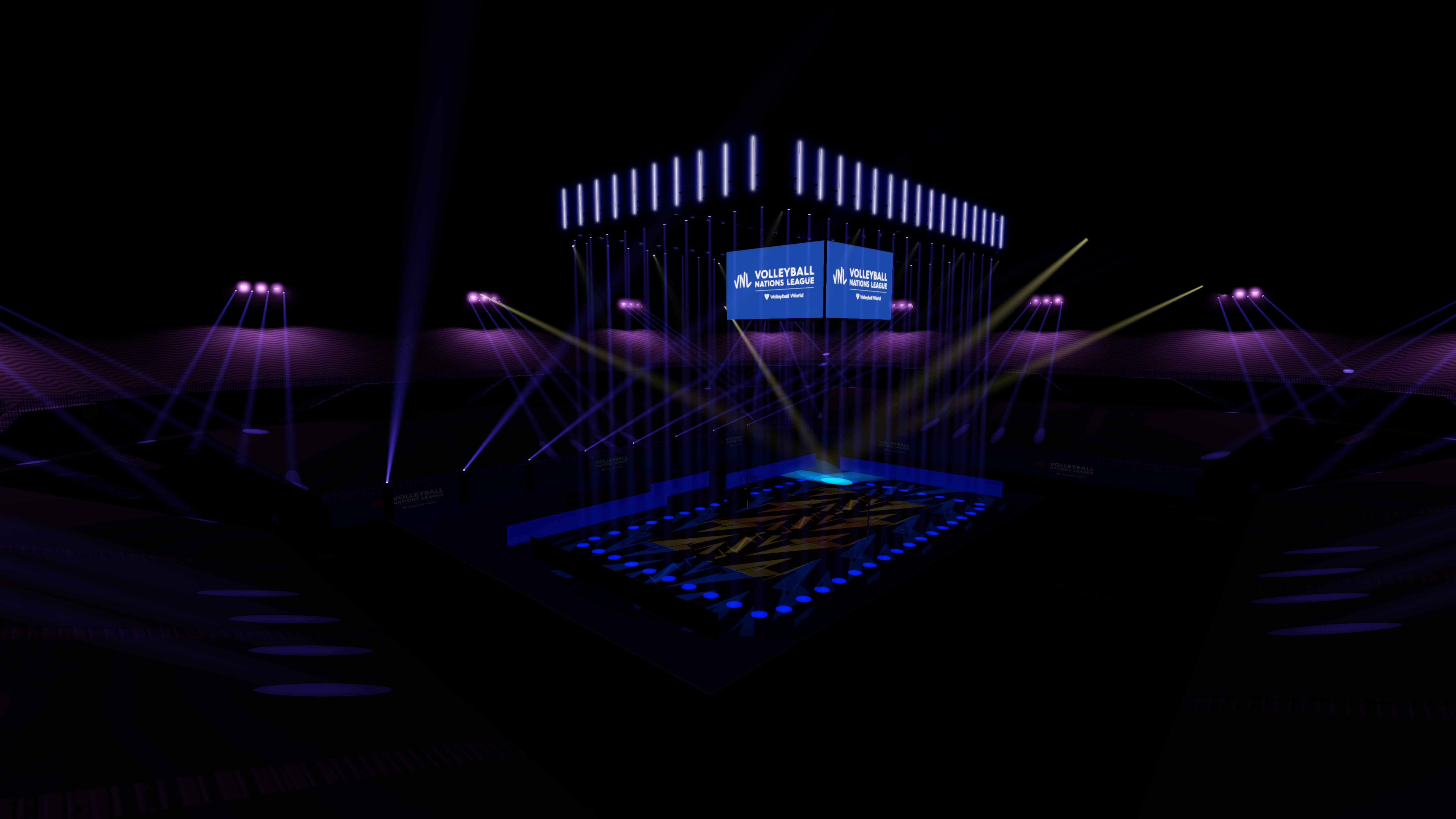
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Lighting (Front View)





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**VNL VOLLEYBALL
NATIONS LEAGUE**
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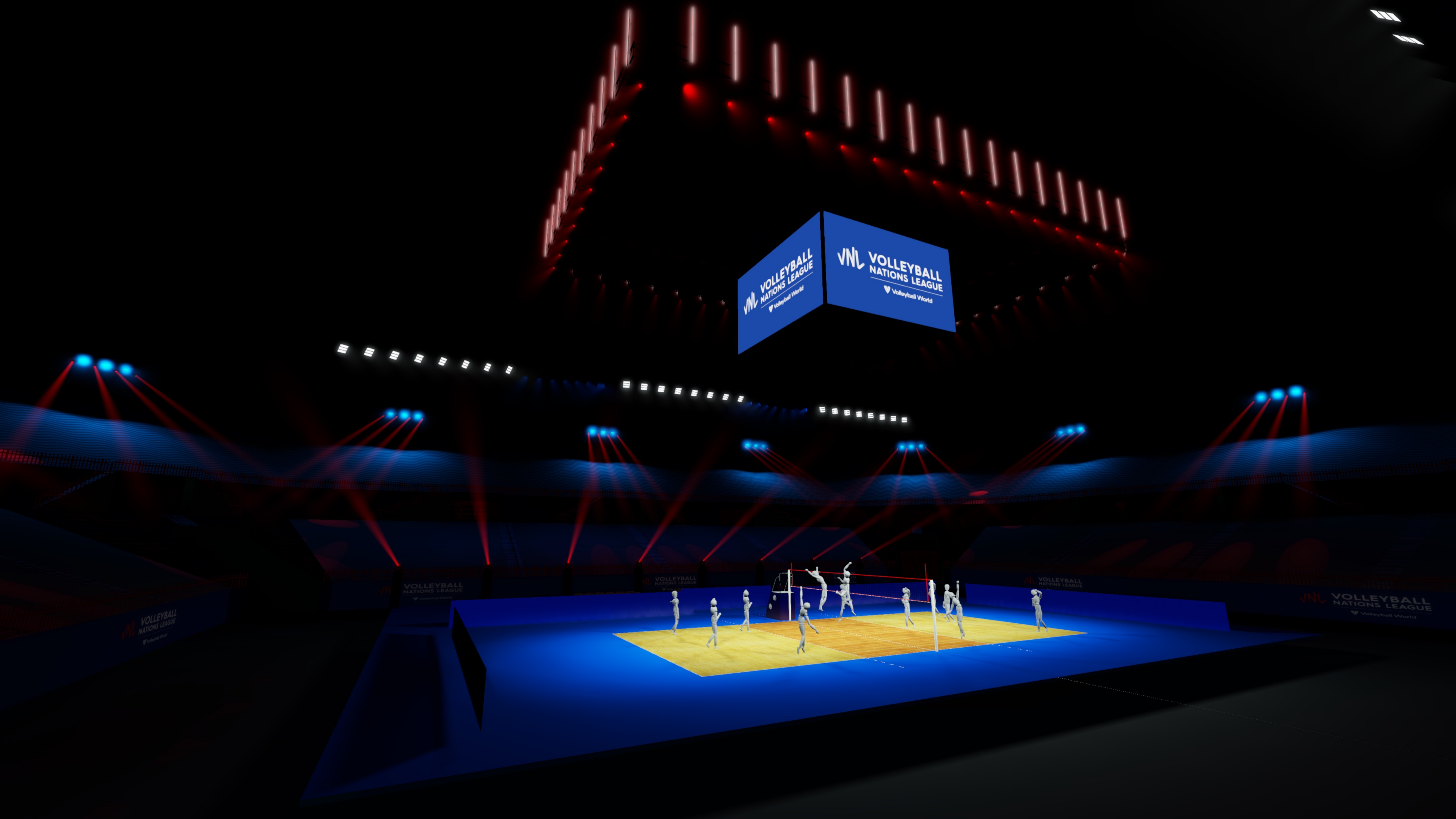
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