

TECH PACK

SYNAPSE VIRTUAL PRODUCTION

SYNAPSE



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SYNAPSE

STAGE SPECS

Width: 150'
Depth: 120'
To Grid: 35'
Total: 18,000 sq ft

VOLUME

Width: 62' 8"
Depth: 32' 7"
Height: 21' 4"
Ceiling Wt: 21,000 lbs

Bit Depth: 12 bit
Color Space: Rec 2020
HDR Format: PQ

Loading Door Width: 17' $\frac{3}{4}$ "
Loading Door Height: 16'

Power: (3) 320A per phase
3-phase camlock
Straight Ground/Neutral

LED Tile: Aoto RM 2.3
Pixel Pitch: 2.31 mm
Processors: Brompton SX40
Tracking: Stype Red Spy 3.0

Frame Rates: 23.97, 24, 25,
29.97, 30
LiveGrade Studio Compatible

MAIN WALL

Width: 14,040 px
Height: 2,808 px
Canvas: 39,424,320 px
Render Nodes: (5) A6000
Processors: (5) SX40

CEILING

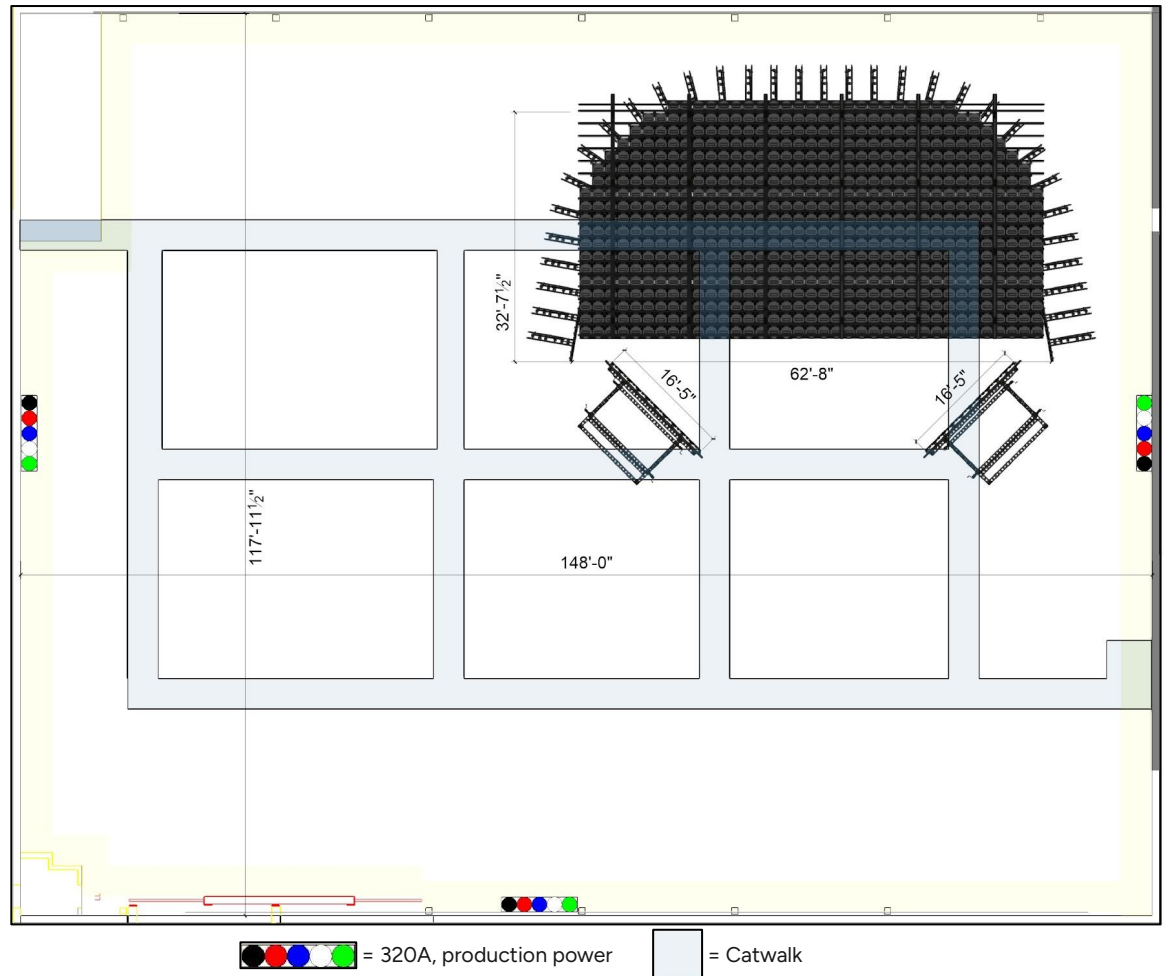
Width: 7,992 px
Depth: 4,104 px
Canvas: 32,799,168 px
Active: 30,652,992 px
Render Nodes: (4) A6000
Processors: (4) SX40

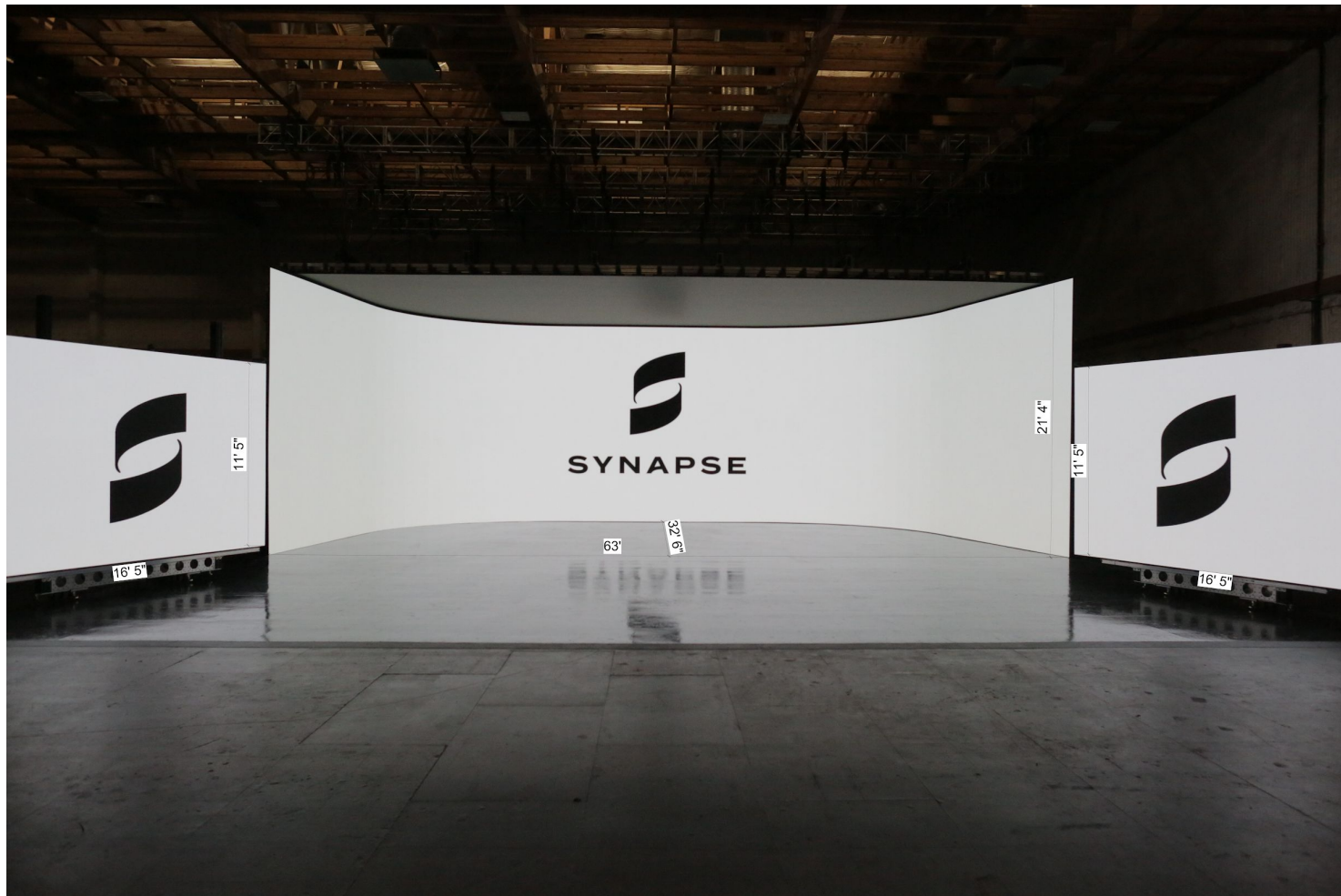
WILD WALL A

Width: 2,160 px
Height: 1,512 px
Canvas: 3,265,920 px
Render Nodes: (1) A6000
Processors: (1) SX40

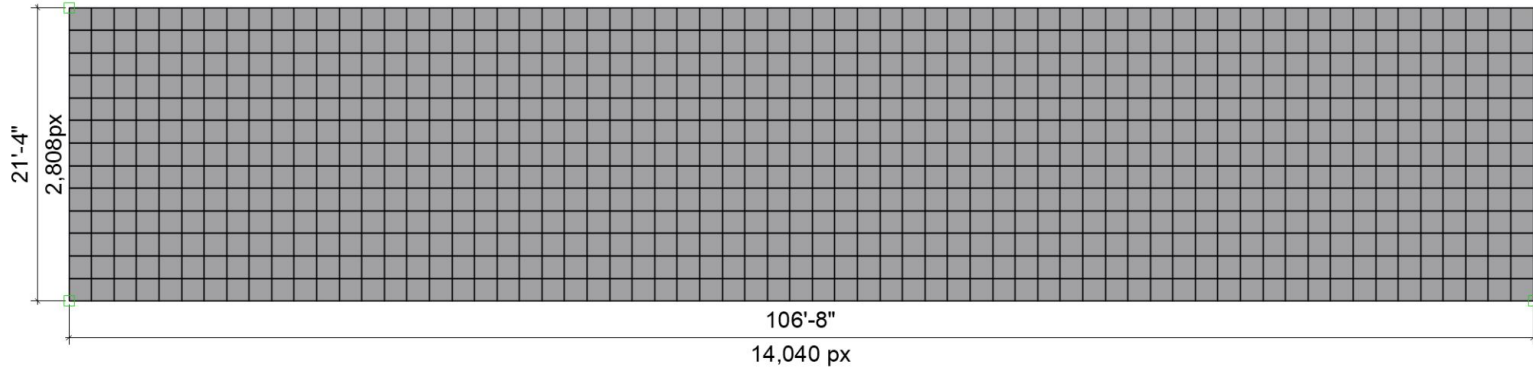
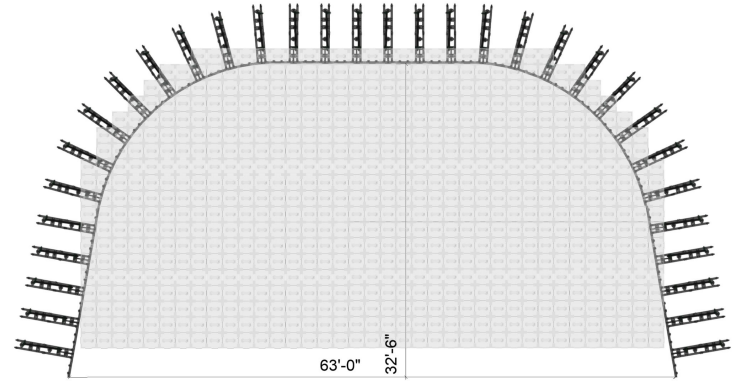
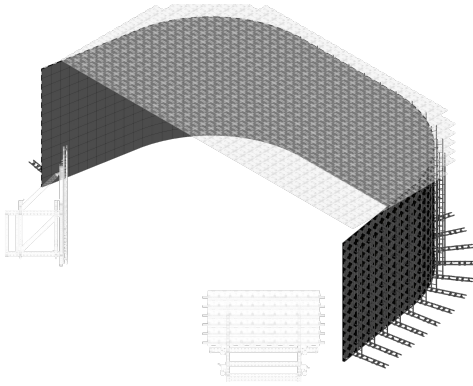
WILD WALL B

Width: 2,160 px
Height: 1,512 px
Canvas: 3,265,920 px
Render Nodes: (1) A6000
Processors: (1) SX40

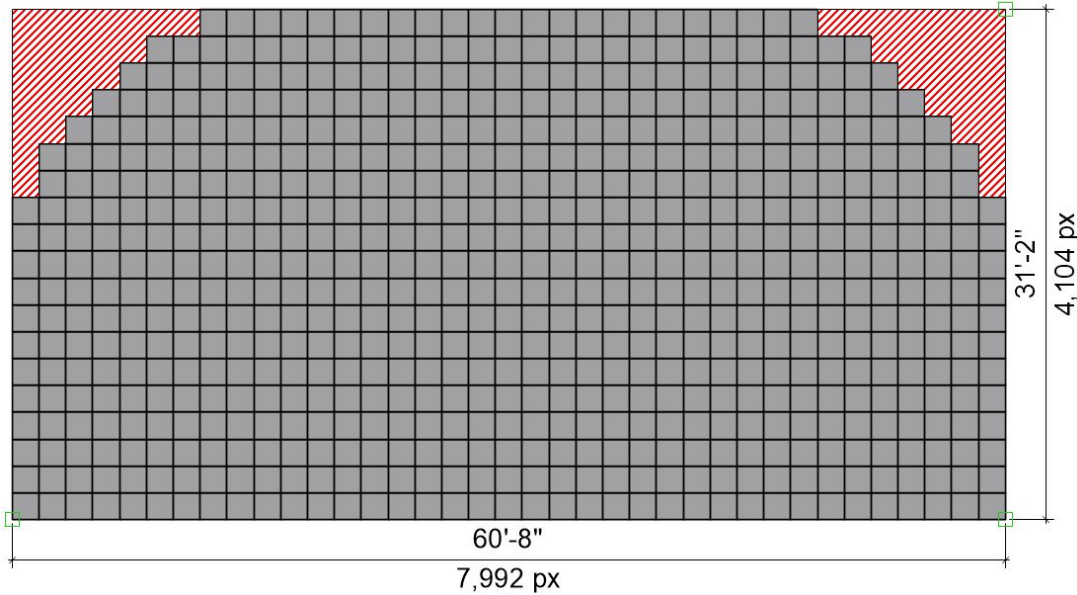




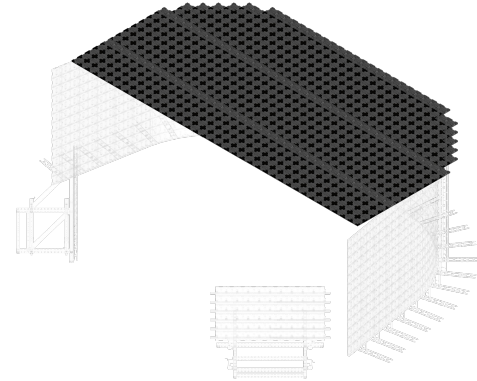
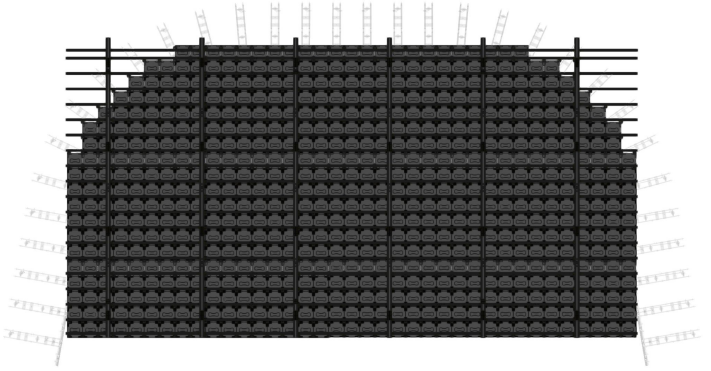
MAIN WALL



CEILING

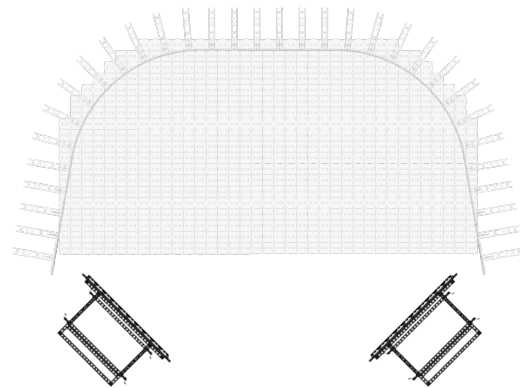
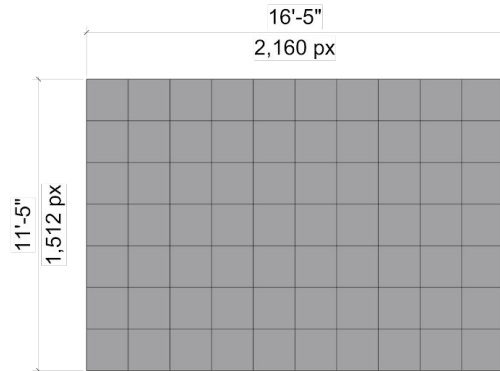
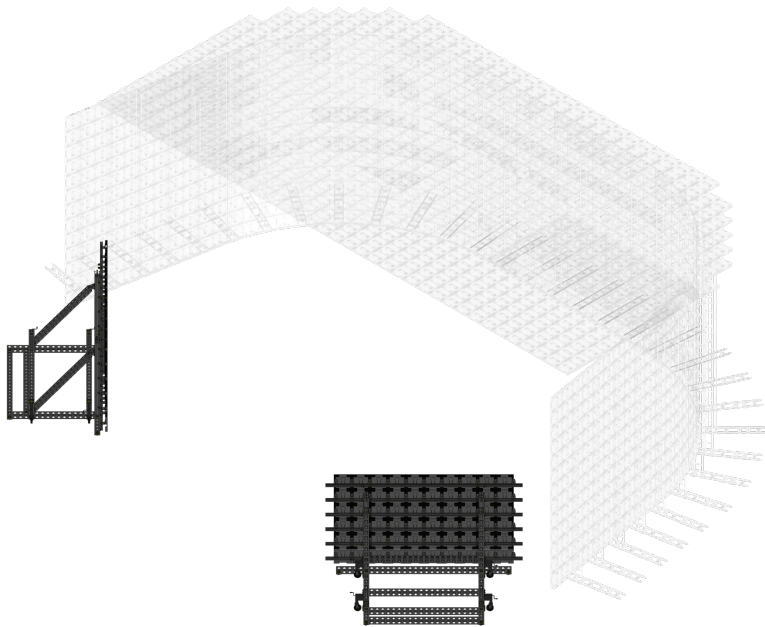


 This area beyond typical camera field of view; no LED tiles here.



(2) WILD WALLS

- Wild walls on casters to reposition on stage
- Motorized for easy movement



Livegrade **STUDIO**

Brompton Tessera SX40s are controllable with Livegrade Studio.

*Please note, Livegrade **Pro** does not support integration with Brompton.*

VIRTUAL PRODUCTION INTEGRATIONS

STUDIO Unreal Engine integration via Pomfort Virtual LUT Box plugin

STUDIO Brompton Tessera Processors

STUDIO disguise Designer

To integrate with the system, Livegrade set up must have a dedicated network interface card (NIC) for the LED network, independent of other devices in control set up. A 1Gb USB NIC is sufficient.

[Livegrade Features](#)

[Pomfort Knowledge Base: Brompton](#)

[Brompton: Livegrade Studio Documentation](#)

SYNAPSE BROMPTON SX40 IP ADDRESSES

MAIN WALL

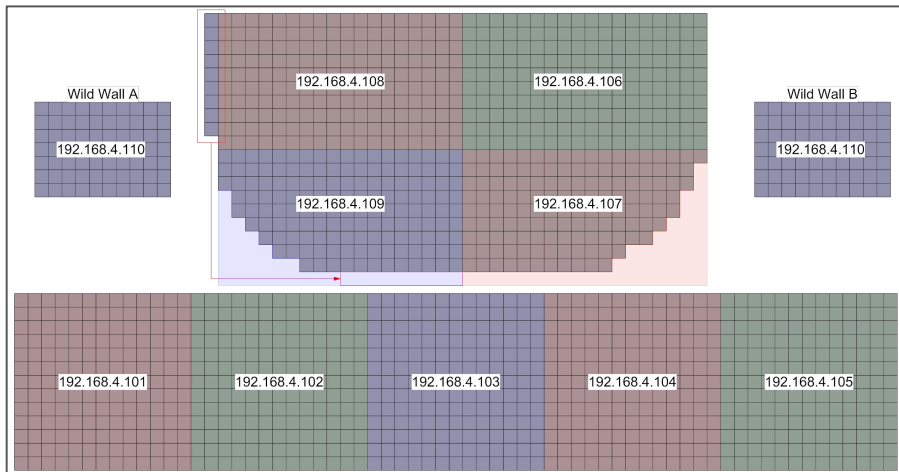
192.168.4.101
192.168.4.102
192.168.4.103
192.168.4.104
192.168.4.105

CEILING

192.168.4.106
192.168.4.107
192.168.4.108
192.168.4.109

WILD WALLS (shared)

192.168.4.110

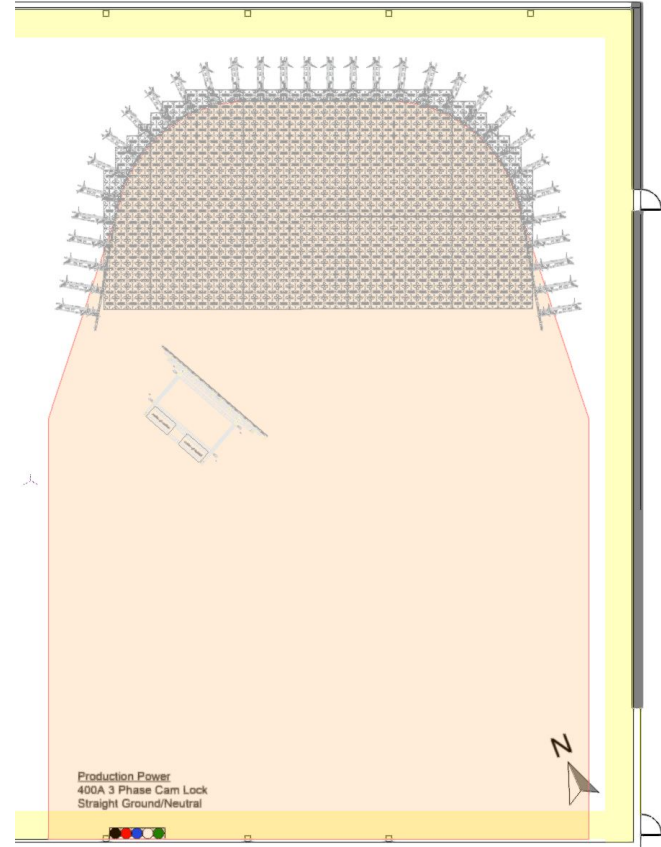


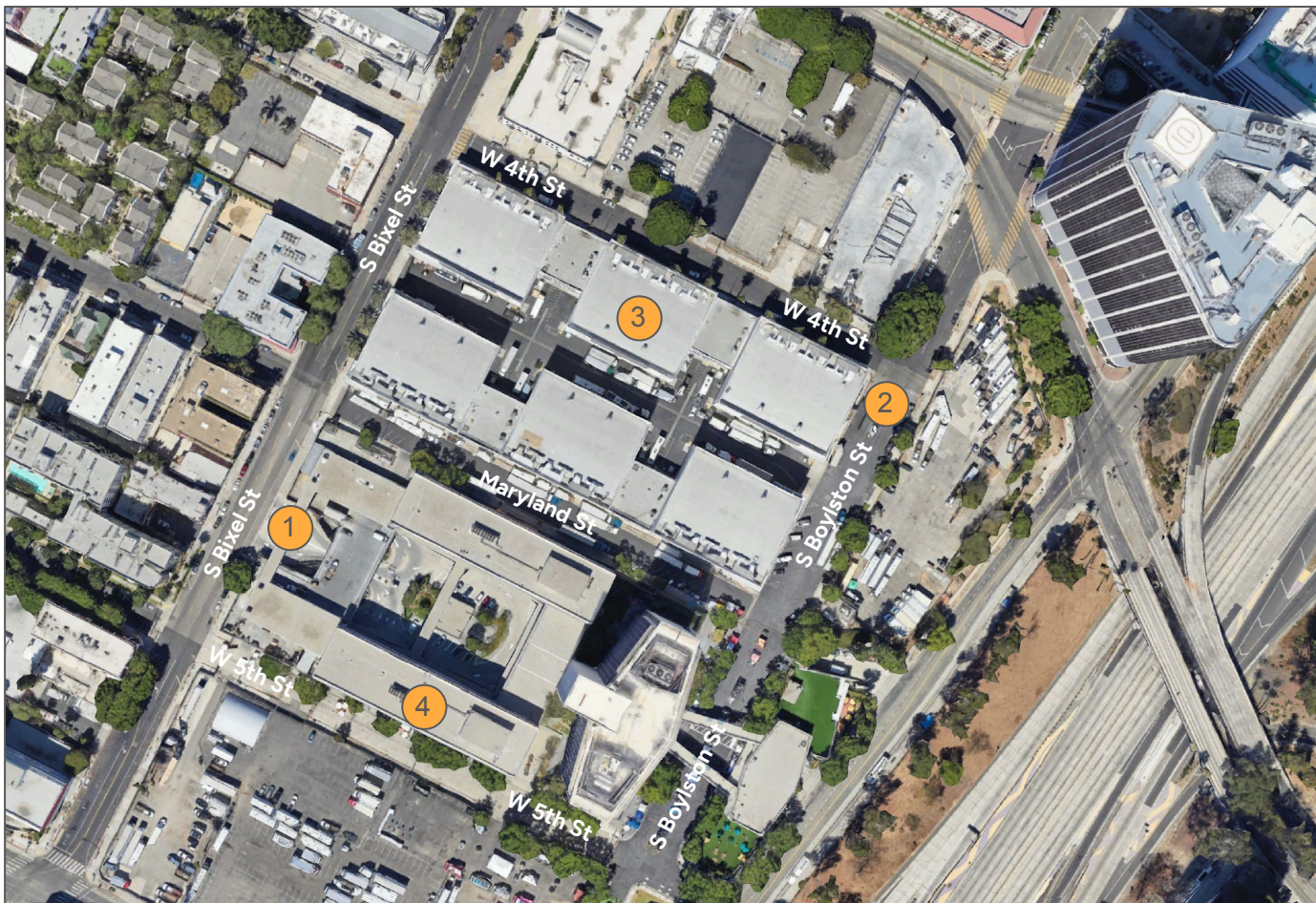
CAMERA TRACKING

- (1) Stype Red Spy 3.0
- Ability to add additional Red Spy system
- Approx 7,200 sq ft of tracking area
- Markers inside volume, on ceiling, and back wall to enable free range of movement within the tracking footprint.



 Tracking coverage area





1

Main Gate

[450 S. Bixel St Los Angeles CA 90017](#)

2

Delivery Address & Trucking Gate

[401 S. Boylston St Los Angeles CA 90017](#)

3

Synapse Volume

LA Center Studios Stage 4

4

Mailroom/Package Shipping

**1201 W. 5th Street, Stage 4
Los Angeles CA 90017**

SERVICES

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SYNAPSE

