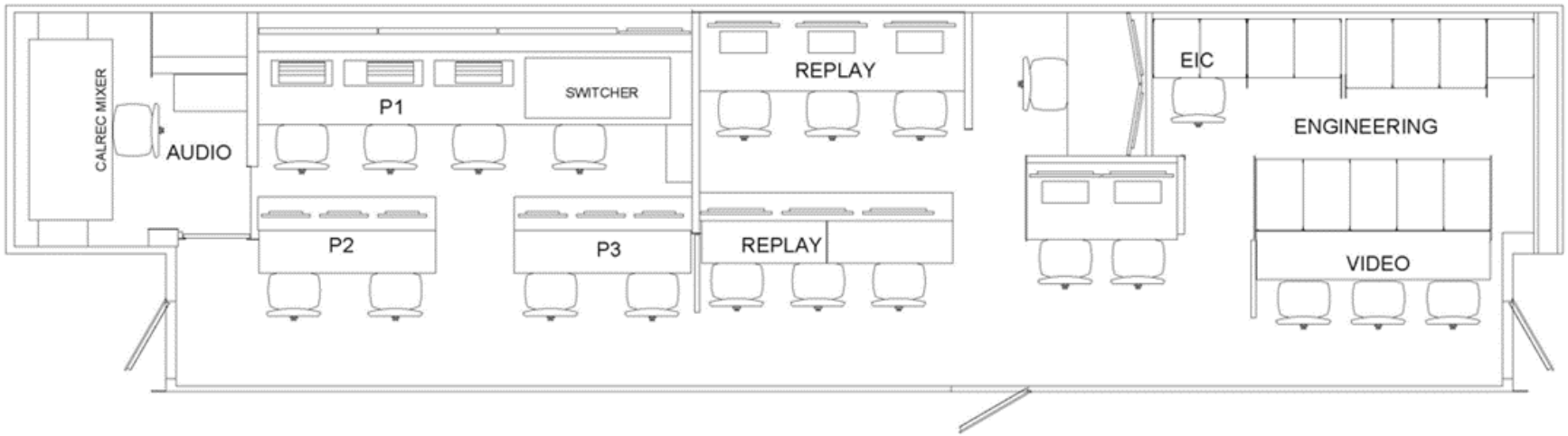
49 FLEX Equipment Specifications

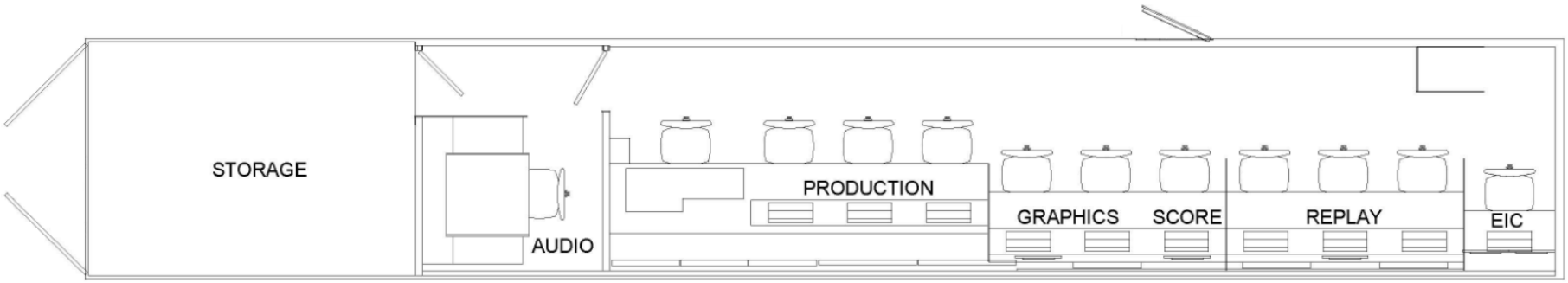
Unit A:

Length: 53' Height: 13'3" Width: 8'6" with ability to expand to: 13'8”



VMU-Unit B:

Length: 53' Height: 13'3" Width: 8'6"



49 FLEX Equipment Specifications

Production

- Grass Valley Kayenne K-Frame X IP switcher
- 7 M/Es, 96 inputs/48 outputs
- Internal Image Store
- 12 iDPMs, 2D DPMs, FlexiKey, DoubleTake
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- Up to 132 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX92 Premier 720/1080i/1080p fiber Cameras with dual XCUs
- 2 Additional LDX92 cameras if using VMU
- 4 Grass Valley LDX96 universe super slow mo HD/3G fiber cameras. (Upon request. Can be used as regular live cameras)
- Grass Valley LDK 8000 Elite triax camera with Fujinon XA20sx8.5 ENG lens with tripod(Booth)
- 11 Grass Valley HDX plus fiber converters (SHEDS)
- 7 Fujinon UA107x8.4 long lenses
- 2 Additional Fujinon XA77x9.5 long lenses if using the VMU
- Four 2” Color ENG VFs
- 2 Fujinon ZA22X7.6 ENG lenses
- 2 Fujinon HA18x5.5 ENG lenses
- Studio Config Kit
- 7 Hard camera sleds with 7" OLED VFs
- 2 Additional hard camera Sleds with 7" OLED VFs if using VMU
- 7 Vinten Vector 75 heavy duty pan/tilt heads
- 2 Additional heavy duty pan/tilt heads if using VMU
- 7 Mathews MT1 heavy duty tripods
- 2 Additional heavy duty tripods if using the VMU
- 4 ENG tripod/pan/tilt heads
- 2 HD LPS clock cameras

Replay, Spotbox and Edit Systems

- Four 12 channel EVS XT-VIA IP full editing replay servers with 16 channels of embedded audio
  - *4 SSMO, 16 HD inputs/12 HD outputs when truck is running in SSMO mode*
  - *2 XT-VIAs can be split into two operator positions each with 4 inputs/2 outputs*
  - *32 HD inputs/16 HD outputs when truck is running in HD mode*
  - *Two positions use LSM Connect (No VGA)*
- 4 Channel EVS XS VIA server for Spotbox (2 channels per show during dual feeds)
- Codecs supported:
  - *XAVC-Intra class 300 and 480 codec for UHD-4K*
  - *DNxHR for UHD4K (available in Q4 2018)*
  - *XAVC-I, AVC-I, DNxHD and ProRes for HD/FHD*
  - *MJPEG and H.264 proxy onboard*
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- XHUB-VIA IP 10G for server to server transfers
- 10G Network for XFile transfers
- Up to 6 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (56 fader) 256 routable inputs via IP, 64 analog inputs/64 analog outputs
- RTW TM7 audio scope
- Audio Board can output multiple channels of surround sound
  - *Encoders for surround sound are the clients responsibility*
- Enco Hotshot2 audio playout system
- CD player
- 8 Sennheiser MKH 416 short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns mics
- 11 Sennheiser MD 46 stick mics
- 6 Sony ECM77B lavaliers
- 4 Crown PCC-160 Cardioid Microphones
- 7 Sennheiser HMD sportscaster headsets
- 6 Studio Technologies talkback boxes
- 3 Whirlwind MD-1 Mic/Line Drivers
- 4 Sound devices MP-1 line amps
- 3 Cloud CL-1 Mic activator
- 4 DT12 Breakout Boxes
- 14 DT12 fanouts
- 5 Fostex portable speakers
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

Communications

- RTS ADAM-M Matrix System
- 64 Ports of OMNEO, 64 channels of MADI, 48 analog ports, 16 ports of RVON
- 12 Channels of IFB
- 12 Channels of PL
- 12 RTS 4030 IFB beltpacks
- 18 RTS BP325 headset boxes
- 4 Telos One Interfaces
- 4 RTS TIF 2000As
- 12 Line phone system
- 8 Two-Way Radios with 2 base stations

Graphics

- 2 VizRT
- For-A Telestrator with HD touchscreen
  - *2 ST fibers required*

Engineering & Misc

- 384 Port Evertz EXE 2.0 IP router with up to 9600GB/s
- 10,240x10,240 Evertz audio router connected via IP to CALREC
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 9 Frame sync/cross converters with fiber inputs/outputs
  - *2 AJA FS1-Xs, 7 AJA FS-HDRs for a total of 30 paths*
- TSI-4000 tally system with virtual tally
- 2 Lighting Kits

Outboard Monitors

- Sixteen 16" Outboard LCD video monitors
  - *Capability to provide HD program to booth (If fiber is available)*

Cable

- 600’ 10 Line video mult
  - *Two 125’, Four 75’, One 50’*
- 2000’ TAC singlemode fiber
  - *One 500’, Three 300’ TAC-12, Four 150’ TAC-12*
- 1500’ SMPTE fiber
  - *Two 500’, Eight 250’, Ten 100’, Nine 25’*
  - *Two 5 line SMPTE mults 150’*
- 3975’ Triax
  - *Three 500, Six 250’, Eight 100’, Seven 25’*
  - *Two 6 line triax mults 150’*
- 2300’ DT12
  - *Five 250’, Seven 150’*
- 225’ Three phase power cable
  - *Set of 100’, 75’ and 50’*
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 200 amps
  - *Separate 200 amps of three phase 208 VAC may be required in high heat locations*

49 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 49FLEX A Unit equipment. This trailer is fully networked to the A Unit with extensive fiber connectivity. All cameras and record trains are available to both trailers

Production

- 3 Stripe switcher control panel
- 3 M/Es assigned to visitor show
- Up to 58 images in production wall

Replay, Spotbox and Edit Systems

- XFile3 with USB 3.0
- 2 Channels of Spot Box from A Unit
- Lance TDC-100 Disk Controller
- Up to 3 EVS replay operator positions
- One position uses LSM connect (No VGA)

Audio

- CALREC Brio 36 (36 fader)
  - *24 Mic/line inputs*
  - *16 Analogue outputs*
  - *8 AES3 digital inputs, 8 AES3 digital outputs*
  - *8 GPI + 8 GPO*
  - *Loudness meters*
  - *Delay available on every path*
  - *Up to 96 legs assignable as mono, stereo, or 5.1 input channels*
  - *36 legs assignable as mono, stereo or 5.1 mains or groups*
  - *24 legs assignable as mono or stereo auxes*
  - *Up to 96 legs assignable as Insert sends and returns*
  - *Up to 96 legs assignable as Direct, or Mix-Minus Outputs*
  - *Every input channel and group path have expander/Gate/Ducker, with key input and sidechain EQ; a compressor with key input and sidechain EQ and multiband compressor*
  - *Every aux has expander/gate and compressor*
  - *Every main has a single band compressor and multiband compressor*
- Enco HotShot2 audio playout system
- CD player
- 6 Sennheiser MD 46 stick mics
- 5 Sennheiser HMD sportscaster headsets
- 5 Studio Technologies talkback boxes
- Sound devices MP-1 line amp
- Cloud CL-1 Mic activator

Communications

- RTS Intercom system integrated with A Unit
- 8 Channels of IFB
- 6 RTS 4030 IFB beltpacks
- 6 RTS BP325 headset boxes
- 2 Telos Hx2 digital telephone interfaces
- 2 RTS TIF 2000As from A Unit
- 2 Two-Way Radios with base station

Engineering & Misc

- Lighting Kit
- Grass Valley LDK 8000 3G Elite triax camera with Fujinon XA20sx8.5 ENG lens and tripod (For Booth)

Cable

- 900' DT12
  - *Six 150''*
- 225' Three phase power cable
  - *Set of 100', 75', and 50'*
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 150 amps