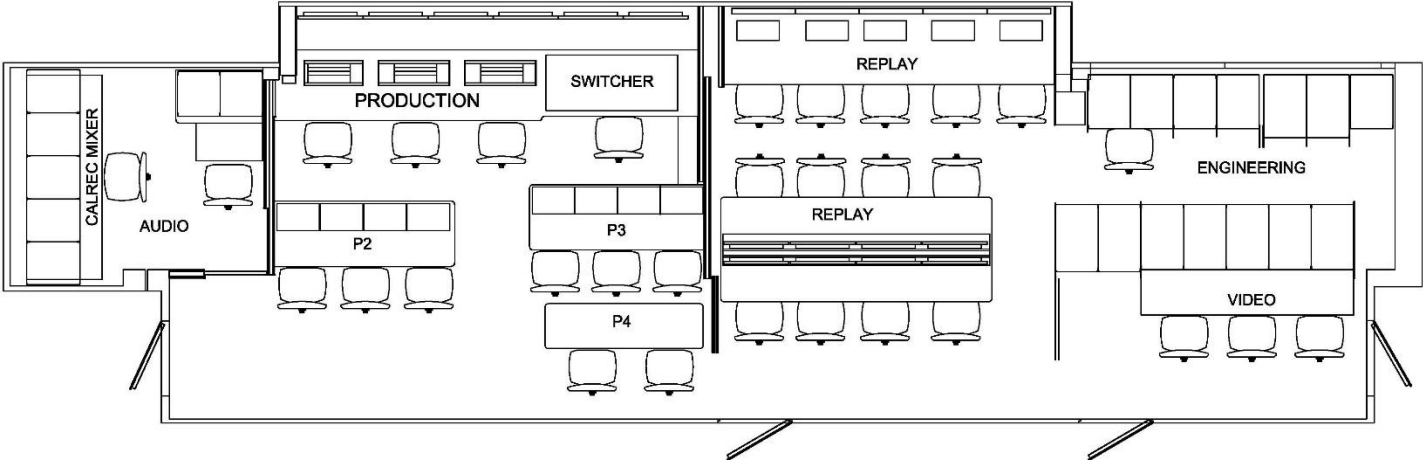


46 FLEX & 46 VMU/ B Unit Equipment Specifications

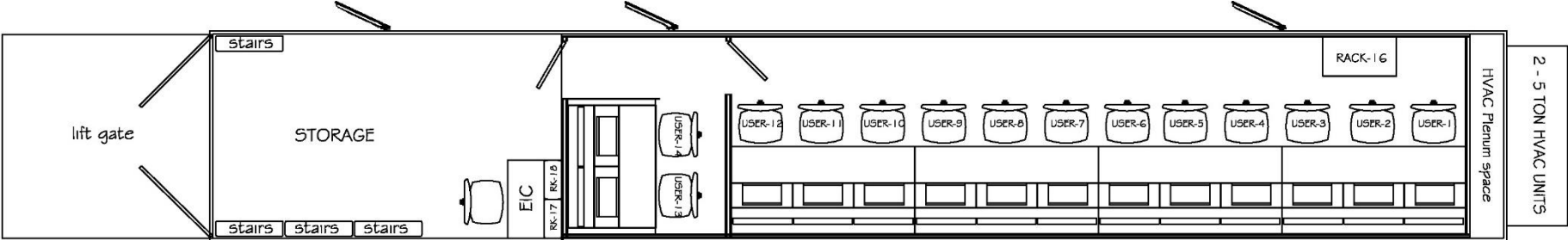
Unit A:

Length: 53' Height: 13'3" Width: 8'6" with ability to expand to: 16'6"



Unit B:

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



46 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, eDPM, FlexiKey, DoubleTake
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- Up to 132 images in production wall

Cameras/ Lenses & Support

- 4 Sony HDC-5500 fiber cameras with SSMO
- 6 Sony HDC-3500 fiber cameras
- 2 Additional HDC-3500 cameras if using VMU/ B Unit
- Grass Valley LDK 8000 Elite cameras with Fujinon XA20sx8.5 ENG lens with tripod (Booth)
- 13 HDX plus fiber converters (SHEDS)
- Canon UJ111x8.3B long lens
- 7 Canon XJ95x8.6B long lenses
- Additional Canon XJ76x9B long lenses if using VMU/ B Unit
- 2 Canon CJ14EX4.3B ENG wide angle lenses
- Canon KJ22ex7.6B ENG lens
- Three 3.5" Color ENG VFs
- 7 Hard Camera Sleds with 7" OLED VFs
- 2 Additional Hard Camera Sleds with 7" OLED VFs if using VMU/ B Unit
- 7 Vinten Vector 75 heavy duty pan/tilt heads
- 2 Additional heavy duty pan/tilt heads if using VMU/ B Unit
- 7 Mathews MT1 heavy duty tripods
- 2 Additional heavy duty tripods if using the VMU/ B Unit
- 3 Miller Arrow X7 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
 - EVS must use DNxHD codec for SSMO mode
 - 32 HD inputs/16 HD outputs when truck is running in HD mode
 - One position uses LSM Connect (No VGA)
- 6 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
- PM-Z Virtualization Processing Module
- XT Access
- IP Director
- XHUB-VIA IP 10G for server to server transfers
- 10G Network for XFile transfers
- Up to 7 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (64 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
- 2 DaySequerra Upmix Stereo to 5.1 DTS
- 2 DaySequerra Downmix DTS 5.1 Surround to Stereo
- 2 DaySequerra Mono2Stereo
- Enco Hotshot2 audio playout system
- CD player
- 2 Audio-Technica BP4029 Stereo short shotgun mics
- 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
- 5 DT12 Breakout Boxes
- 14 DT12 fanouts
- 6 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 MAD1, 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
- 2 Telos Hx2 Digital Telephone Interfaces
- 4 RTS TIF 2000As
- 12 Line phone system
- 8 Two-Way Radios with 2 base stations

Graphics

- VizRT

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 MAD1, 48 AES, 96x192 analog
- 11 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

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

Cable

- 250' Triax
 - Two 100', Two 25'
- 600' 10 Line video mult
 - Two 125', Four 75', One 50'
- 2400' TAC singlemode fiber
 - Five 300' TAC-12, Six 150' TAC-12
- 4725' SMPTE fiber
 - Two 500', Eight 250', Twelve 100', Nine 25'
 - Two 6 line SMPTE 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

46 VMU/ B Unit Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 46FLEX 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 payout system
- 3 Sennheiser MD 46 stick mics
- 3 Sennheiser HMD sportscaster headsets
- 3 Studio Technologies talkback boxes
- Sound devices MP-1 line amp

Communications

- RTS Intercom system integrated with A Unit
- 8 Channels of IFB
- 3 RTS 4030 IFB beltpacks
- 3 RTS BP325 headset boxes
- 2 Telos Hx2 digital telephone interfaces
- 2 RTS TIF 2000As from A Unit

Graphics

- VizRT (Upon request)
- For-A Telestrator with HD touchscreen (Upon request)
 - 2 ST fibers required

Engineering & Misc

- 4 Cross- converters with fiber inputs/outputs
 - 4 AJA FS-1 for a total of 4 paths
- 1 Lighting Kit
- Grass Valley LDK 8000 3G Elite triax camera with Fujinon XA20sx8.5 ENG lens and tripod (For Booth)

Outboard Monitors

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

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