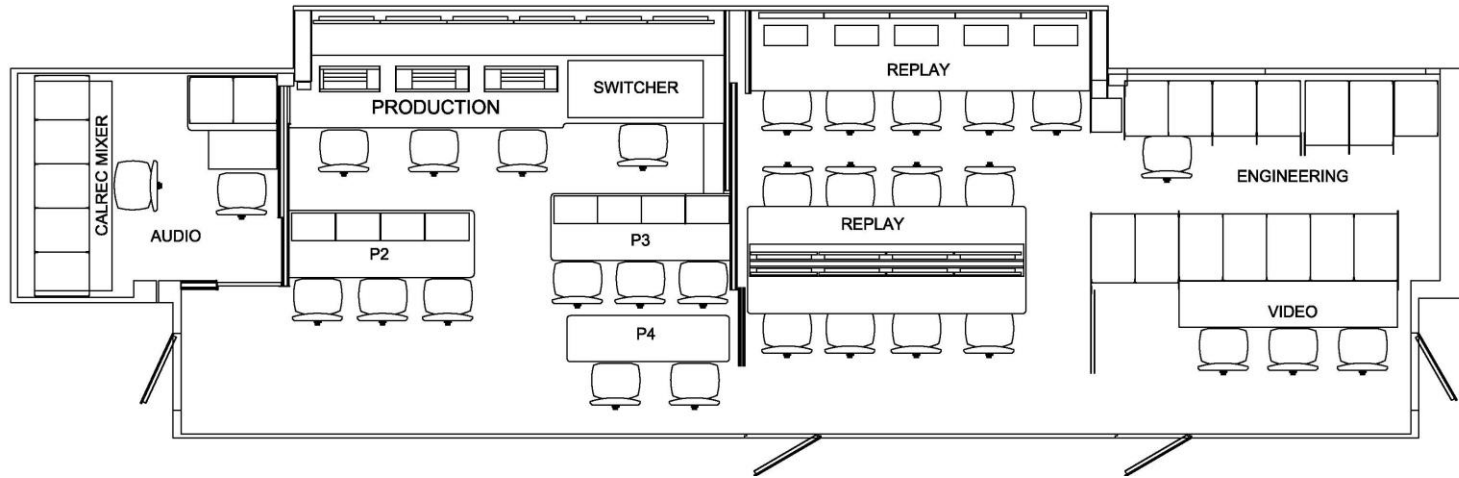


44 FLEX & 44 VMU Equipment Specifications

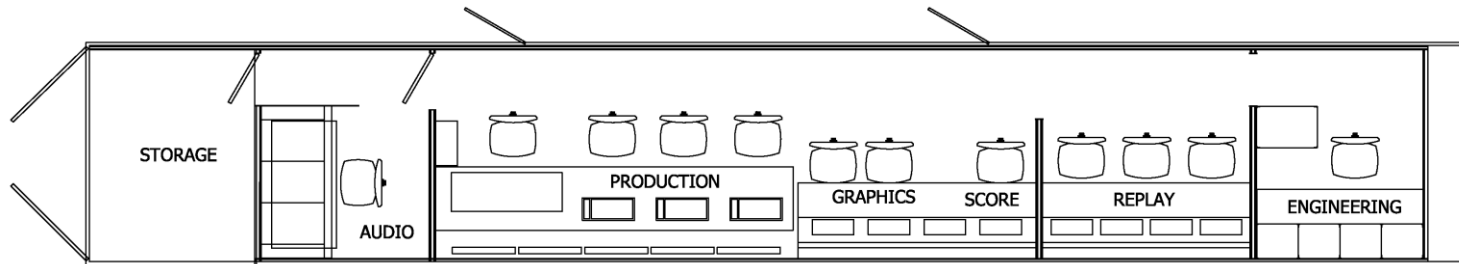
Unit A:

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



VMU-Unit B:

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



44 FLEX Equipment Specifications

Production

- Grass Valley HD Kayenne K-Frame X 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

- 3 Grass Valley LDX82 Premier 720p/1080i triax cameras with twin XCUs
- Additional LDX82 cameras if using VMU
- 4 Grass Valley LDX82 Premier 720p/1080i SMPTE fiber cameras with SMPTE fiber XCUs
- 4 Grass Valley LDX86 universe super slow mo HD/3G fiber cameras (Upon request. Can be used as regular live cameras)
- Grass Valley LDK 8000 Elite triax cameras with Fujinon XA20sx8.5 ENG lenses with tripods(Booth)
- 8 Grass Valley 3G fiber converters (SHEDS)
- Fujinon UA107x8.4 long lens
- 2 Fujinon XA99x8.4 long lenses
- 5 Fujinon XA77x9.5 long lenses
- Additional Fujinon XA77x9.5 long lens if using VMU
- 2 Fujinon HA18x5.5 ENG lenses
- 3 Fujinon ZA17x7.6 ENG lenses
- Five 2" Color ENG VFs
- Studio Config Kit with LCD VF
- 8 Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs
- Additional SuperExpander Sleds with 7" OLED VFs if using VMU
- 8 Vinten Vector 75 heavy duty pan/tilt heads
- Additional heavy duty pan/tilt heads if using VMU
- 8 Mathews MT1 heavy duty tripods
- Additional heavy duty tripods if using the VMU
- 5 Miller Arrow X7 ENG tripod/pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Two 12 channel EVS XT3s full editing replay servers with 16 channels of embedded audio
- Two 12 channel XT4Ks full editing replay servers with 16 channels of embedded audio
 - 4 SSMO, 20 HD inputs/12 HD outputs when truck is running in SSMO mode
 - 2 XT4Ks 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)
 - XT4K Supports AVC, XAVC, DNxHD, and ProRes codecs
- 4 Channel EVS XS3 server for Spotbox (2 channels per show during dual feeds)
- Codecs supported:
 - AVC-Intra class 100
 - XAVC-Intra class 100
 - Avid DNxHD® (120/145Mbps)
 - Avid DNxHD® High Level (185/220Mbps, 8-bit and 10-bit)
 - Apple ProRes® 4:2:2 SQ (120/145Mbps)
 - Apple ProRes® 4:2:2 HQ (185/220Mbps)
 - Apple ProRes® 4:2:2 LT (85/102Mbps)
- 4 Channel Grass Valley K2 Solo
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- 10 Gbs and 3 Gbs SDTI network
- Panasonic P2 Deck AG-HPD24P
- Up to 6 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (64 fader) 256 routable inputs via MADI, 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 payout system
- CD player
- 8 Sennheiser MKH 416 short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns mics
- 9 Sennheiser MD 46 stick mics
- 8 Sony ECM77B lavaliers
- 4 Crown PCC-160 Cardioid Microphones
- 7 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- 4 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 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 Hx2 Digital Telephone Interfaces
- 4 RTS TIF 2000As
- 12 Line phone system
- 8 Two-Way Radios with 2 base stations

Graphics

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

Engineering & Misc

- 378x802 Evertz 3G router
- 2,752x2,848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 12 Frame sync/cross converters with fiber inputs/outputs
 - 6 AJA FS1-Xs, 6 AJA FS-HDRs for a total of 30 paths
- TSI-4000 tally system with virtual tally
- 2 LED Lighting Kits

Outboard Monitors

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

Cable

- 3600' Triax
 - Three 500', Six 250', Six 100'
 - Two 6 line triax mults 175'
- 600' 10 Line video mult
 - Two 125', Four 75', One 50'
- 1500' TAC singlemode fiber
 - Three 300' TAC-12, Four 150' TAC-6
- 1400' SMPTE fiber
 - Four 250', Four 100'
- 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

44 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 44FLEX 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

- STUDER Vista 1 (32 fader)
- 50 Mono channels, 38 stereo channels
- 16 Mono aux, 4 stereo aux
- 10 Stereo groups with Dynamics & EQ, 6 stereo busses
- Enco HotShot2 audio playout system
- CD player
- 6 Sennheiser MD 46 stick mics
- 5 Sennheiser HMD sportscaster headsets
- 5 Daltech talkback boxes
- Sound devices MP-1 line amp
- 3 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 TIFF 2000As from A Unit
- 2 Two-Way Radios with base station

Graphics

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

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Engineering & Misc

- 2 LED Lighting Kits
- Grass Valley LDK 8000 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