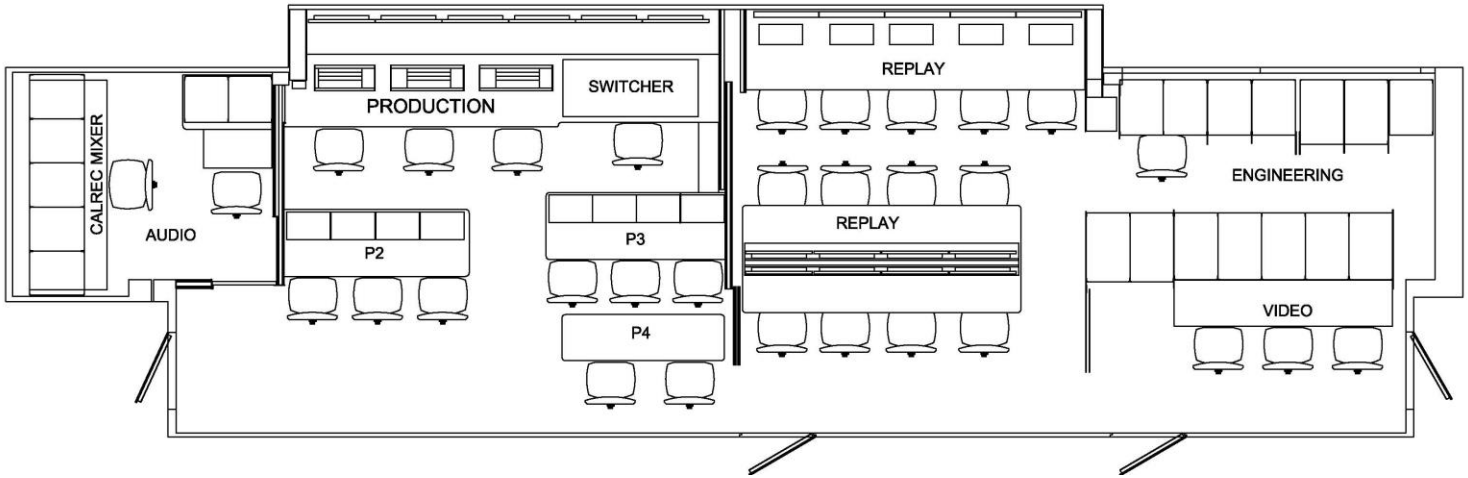
42 FLEX & 42 VMU Equipment Specifications

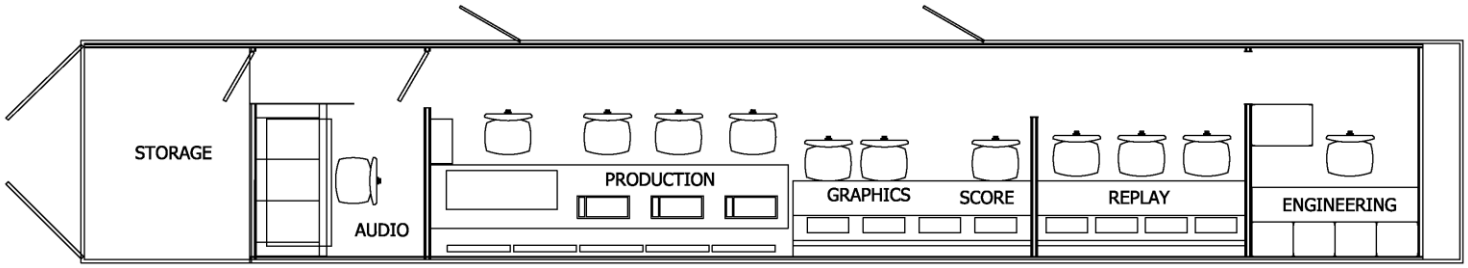
Unit A:

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"



42 FLEX Equipment Specifications

Production

- Grass Valley HD Kayenne K-Frame 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

- 8 Grass Valley LDX82 Premier 720p/1080i triax cameras with twin XCUs
- Additional LDX82 cameras if using VMU
- 4 Grass Valley LDX86 universe super slow mo HD/3G fiber cameras (Upon request. Can be used as regular live cameras)
- 2 Grass Valley LDK 8000 Elite triax cameras with Fujinon XA20sx8.5 ENG lenses with tripods(Booth)
- 4 Grass Valley 3G fiber converters (SHEDS)
- 2 Fujinon XA99x8.4 long lenses
- 5 Fujinon XA77x9.5 long lenses
- Additional 2 Fujinon XA77x9.5 and Canon 72x9.3 lens if using VMU
- 2 Fujinon ZA22x7.6 ENG lenses
- 2 Fujinon HA18x5.5 ENG lenses
- Four 2” Color ENG VFs
- Studio Config Kit with LCD VF
- 7 Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs
- 3 Additional SuperExpander Sleds with 7" OLED VFs if using VMU
- 8 Vinten Vector 75 heavy duty pan/tilt heads
- 2 Additional heavy duty pan/tilt heads if using VMU
- 8 Mathews MT1 heavy duty tripods
- 2 Additional heavy duty tripods if using the VMU
- 4 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 EVS XT4Ks 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 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)*
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- 10 Gbs and 3 Gbs SDTI network
- Matrox Monarch HDX Recorder/Video Encoder
- Up to 6 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (56 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 playout 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
- 6 Whirlwind MD-1 Mic/Line Drivers
- 6 Sound devices MP-1 line amps
- 5 DT12 Breakout Boxes
- 14 DT12 fanouts
- 6 Fostex portable speakers
- Fiber Booth Kit (Upon request)

Communications

- RTS ADAM-M Matrix System
- 64 Ports of OMNEO, 32 channels of MADI, 48 analog ports, 16 channels 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 (Provided for Fox shows only)
- Chyron Mosaic XL2
- Fox Box (Provided for Fox shows only)
- Chyron Paint 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-4s 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

- 4650’ Triax
  - *Three 500’, Eight 250’, Eight 100’*
  - *Two 6 line triax mults 175’*
- 600’ 10 Line video mult
  - *Two 125’, Four 75’, One 50’*
- 1400’ TAC singlemode fiber
  - *One 300’ TAC-12, Two 250’ TAC-12, Four 150’ TAC-6*
- 1400’ SMPTE fiber
  - *Four 250’, Four 100’*
- 2050’ DT12
  - *Four 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*

42 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 42FLEX 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
- 5 Sennheiser MD 46 stick mics
- 5 Sennheiser HMD sportscaster headsets
- 5 Daltech talkback boxes
- 2 Sound devices MP-1 line amps

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)
- Chyron HyperX3 HD with USB 3.0 (Upon request)
- For-A Telestrator with HD touchscreen (Upon request)

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

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

Cable

- 150' DT12
  - *Six 150', One 250'*
- 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