



MU-4

45' 3G SINGLE EXPANDO OVERVIEW

Production

Grass Valley K-Frame 3G Switcher
- Kayenne 4 Stripe 35 Button Panel
5 M/E, 64 Inputs, 36 Outputs
FlexiKey, Double Take and Chroma Key
12- IDPM, 4- EDPM and 2D DPM
Image Store w/movies

Record & Playback

(2) EVS XT3 6ch LSM Servers
(1) EVS XT3 6ch RO/Spotbox w/Lance Controller
(1) EVS Xfile 3
(1) EVS X-file3 w/ 10G File Network

Wired for 34 channels of EVS

Camera Equipment

(10) Grass Valley LDX 86 SMPTE Worldcam Cameras
(6) Grass Valley Super XPanders w/7" Viewfinders
(6) Grass Valley LDK4425 Fiber SMPTE Converters
(2) Fujinon 88x8.8 HD Lens
(4) Fujinon 72x9.3 HD Lenses
(1) Fujinon 18x5.5 Servo Zoom Lens
(2) Fujinon 22x7.6 Servo Zoom Lens
(1) Fujinon 12x4.5 Wide Angle Lens
(6) Vinten Vector 70 Pan Heads w/Tripods
(4) Cartoni Gamma ENG Pan Heads w/Tripods

Wired for 12 CCU's

***Other Camera and Lens configurations
available***

Audio

Calrec Artemis Light Bluefin 2
-56 Fader Digital Audio Console
-64x64 Analog
-64x64 AES
-256x256 Mono Madi Channels

*Hydra 2 - 24 x 8 Fiber Audio Field Boxes
Dante Fiber Audio Booth system available upon
request*

Communications

160 x 160 RTS Adam Matrix Intercom Including
-16 Ryon CHs, 32 MADI CHs
- 8 Powered PL Channels
- 6 Powered IFB Channels
(12) Dual Listen BP325 Boxes
(6) IFB 4030 Boxes
(12) Single Muff Headsets
(4) Dual Muff Headsets
(4) RTS Telephone Interfaces
(4) QKT Audio Couplers

Routing & Terminal

Evertz EQX 3G Video Router (280x458)
Includes:
- 82x64 Embedding/Dis-embedding
-16x16 Fiber to External I/O
-18 Internal Frame Syncs
Evertz EMR Audio Router
-1024x1024 Madi
-96x96 Mono AES
-192x384 Mono Analog
(20) For-A U/D/C Frame Syncs w/Color
Correction
(8) TX Processors w-U/D/C
246x32 Multiview Capacity

A/V Support

(5) HMD26 Annc Headsets
(5) Studio Tech Annc Boxes
(5) MD46 Stick Mics
(6) MKH416 Shotgun Mics
(6) MKH870 Long Shotgun Mics
(4) MKH418 Stereo Shotgun Mics
(4) 15" SDI Monitors
(4) 21" SDI Monitors
(2) LED Light Kits

Cable Inventory

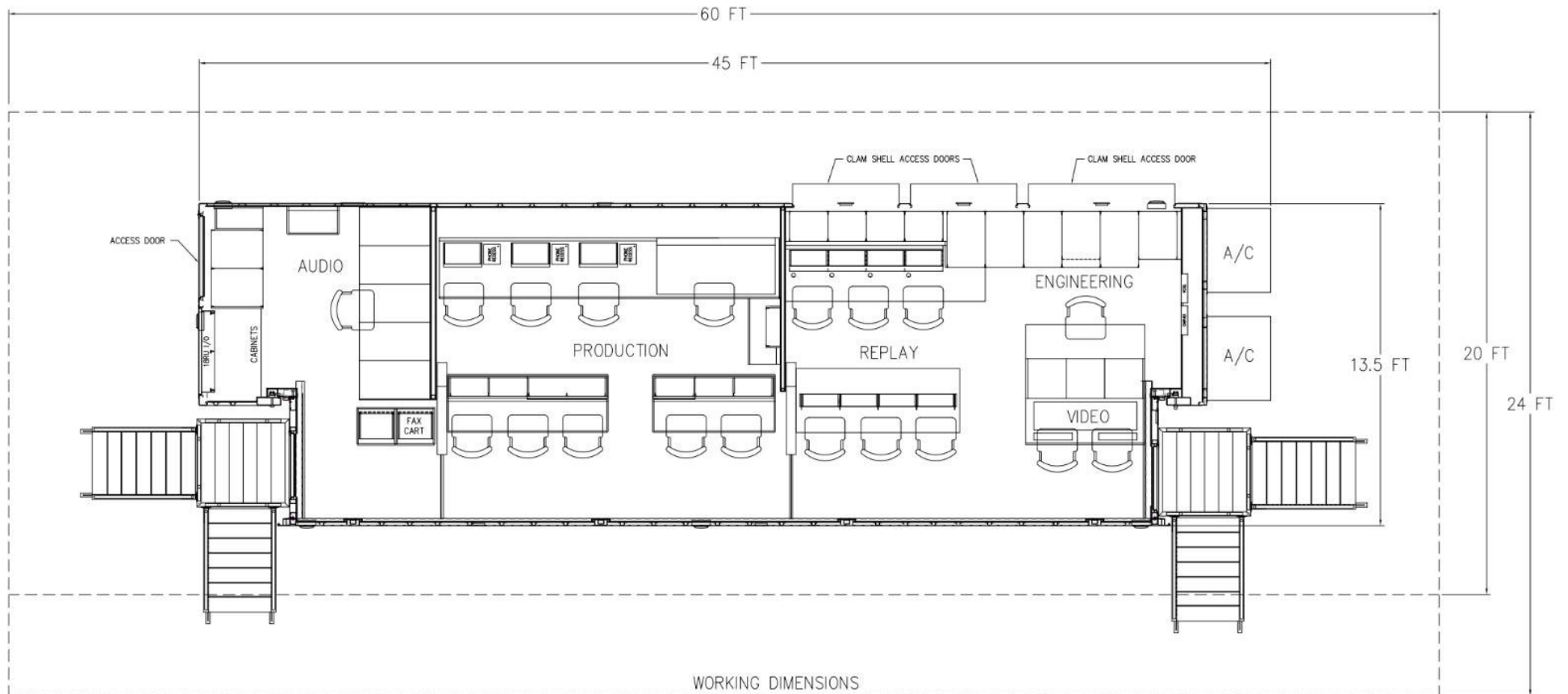
7600' SMPTE Cable
1200' DT12 Audio Mult
1000' 6 Pair Audio Snake
3250' Audio Cable
3250' Single Coax
6-100' 10 Wire Coax Loom
2-500', 5-250'. 3-100' TAC 12 Fiber Cable
2-500' TAC 6 Fiber Cable
6 500', 3-100' TAC 4 Fiber Cable

Power Requirements

Three Phase, 190-240 Volts, 200A/Leg
-200' Feeder Cable

Truck Dimensions

43'L x 8.5'W with 36'L x 5'W Expansion
78' Overall Length, 80,000# GVW



MONITOR 1A				MONITOR 2A				MONITOR 3A				MONITOR 4A				MONITOR 9A (P2-CG)		
										12:00PM					12:00PM		12:00PM	
1	2	3	4	1	2	3	4	1	2		3	4	1	2	3	4	1	2
				12:00PM				5	6	7	8	9	5	6	7	8	9	
5	6	7	8	PROGRAM			5	6	PROGRAM		PREVIEW				10	11	12	3
																	4	5
9	10	11	12	7	8	9		10	11		13	14	15	16		6	7	8

MONITOR 5A				MONITOR 6A				MONITOR 7A				MONITOR 8A					MONITOR 9A (P3-BUG)		
												1	2	3	4	5		12:00PM	
1	2	3	4	1	2	3	4	1	2	3	4						1		2
												6	7	8	9	10			
5	6	7	8	5	6	7	8	5	6	7	8						3	4	5
												11	12	13	14	15			
9	10	11	12	9	10	11	12	9	10	11	12	16	12:00PM				6	7	8

SWITCHER INPUTS

SWITCHER OUTPUTS

SWITCHER GPO's

IN	Default	Show Name	Operator	Source	IN	Default	Show Name	Operator	Source	OUT	Default	OUT	Default
1	CAM 1				25	EVS 2B				1	SS-1	25	AUX-7
2	CAM 2				26	EVS 3A				2	SS-2	26	AUX-8
3	CAM 3				27	EVS 3B				3	SS-3	27	AUX-9
4	CAM 4				28	EVS 4A				4	SS-4	28	AUX-10
5	CAM 5				29	EVS 4B				5	SS-5	29	AUX-11
6	CAM 6				30	EVS 5A				6	SS-6	30	AUX-12
7	CAM 7				31	EVS 5B				7	SS-7	31	AUX-13
8	CAM 8				32	CG 1 F				8	SS-8	32	AUX-14
9	CAM 9				33	CG 1 K				9	ME 1 PGM	33	AUX-15
10	CAM 10				34	CG 2 F				10	ME 1 PVW	34	AUX-16
11	CAM 11				35	CG 2 K				11	ME 2 PGM	35	AUX-17
12	CAM 12				36	CG 3 F				12	ME 2 PVW	36	AUX-18
13	CAM 13				37	CG 3 K				13	ME 3 PGM	37	AUX-19
14	CAM 14				38	BUG 1 F				14	ME 3 PVW	38	AUX-20
15	CAM 15				39	BUG 1 K				15	PROGRAM	39	AUX-21
16	CAM 16				40	BUG 2 F				16	CLEAN	40	AUX-22
17	VTR A				41	BUG 2 K				17	PREVIEW	41	AUX-23
18	VTR B				42	TELE F				18	PRESET	42	AUX-24
19	VTR C				43	TELE K				19	AUX-1	43	AUX-25
20	VTR D				44	RTR FEED				20	AUX-2	44	AUX-26
21	VTR E				45	RTR FEED				21	AUX-3	45	AUX-27
22	EVS 1A				46	LHN4			LHN4	22	AUX-4	46	ME 1 CLN
23	EVS 1B				47	BLACK				23	AUX-5	47	ME 2 CLN
24	EVS 2A				48	BARS				24	AUX-6	48	ME 3 CLN

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>PGM 2 IS USED FOR TX
>SWITCHER OUT 16 IS CLEAN