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Unit 2

High Definition

Outside Broadcast Production Vehicle



Unit 2 - Interiors

Production



Unit 2 - Specification

Vehicle Details

Travelling dimensions	18m long x 2.5m wide x 4m high
Working dimensions	15.6m long x 4.7m wide x 4m high
Weight	36 Tonnes
Power Input	125A, 3 phase. (380/415V) EN60309 3P+N+E connector; or 2 x 125A, 1 phase. (220/250V) EN60309 1P+N+E connector; Average load, 100A distributed across 3 phases
HVAC	Separate air conditioning or heating for production, sound and vision/VTR

Technical details – Production

Monitor stack	60 x 10" CRT preview monitors 2 x 24" CRT HD transmission and preview monitors
Vision mixer panel	Sony MVS 8000 3ME panel 24 crosspoint buttons per row.
Additional features	Full 5.1 audio monitoring Matrix panels in all 3 production desks for iso switching 4 x 7" LCD monitors built into 2 nd and 3 rd production bench 5 x 17" quad split monitors can be installed on both rear benches

Technical details – Sound

Sound mixer	Calrec Sigma Bluefin digital mixer; 60 fader frame DSP for 108 stereo and 104 mono channels, allowing up to 52 x full 5.1 surround channels 48 Stereo AES inputs 48 Stereo AES outputs 64 Mic/Line inputs 32 Line inputs 80 Line outputs 128 mono via 2x MADI inputs 128 mono via 2x MADI outputs
Multichannel encoding	3 x Dolby E encoders, 3 x Dolby Pro-LogicII encoders
Multichannel decoding	3 x Evertz Dolby Decoders
Grams playback/record	5.1 Sigma SpotOn, 360 Systems shortcut; Sony CD player; Sony MiniDisc player/recorders
Monitoring	Genelec 1030 (L,C,R); Genelec 1029 (Ls, Rs); Genelec 7070 sub; Dolby DP570 multichannel tool
Audio matrix	Quartz Xenon 160 ² AES matrix
Communications	Telex ADAM 64 ² digital matrix, CTP systems camera talkback interface
Radio comms	3 x Key duplex base stations, GP340 handsets
Hard wired comms	3 x RTS dual 2–4 wire converter & PSU
Outboard Processing	Neve 33609JD Compressor, SSL X Logic Multi Channel Compressor, 2 SPX990 Reverb units, 2 x Sonifex Digital TBU's

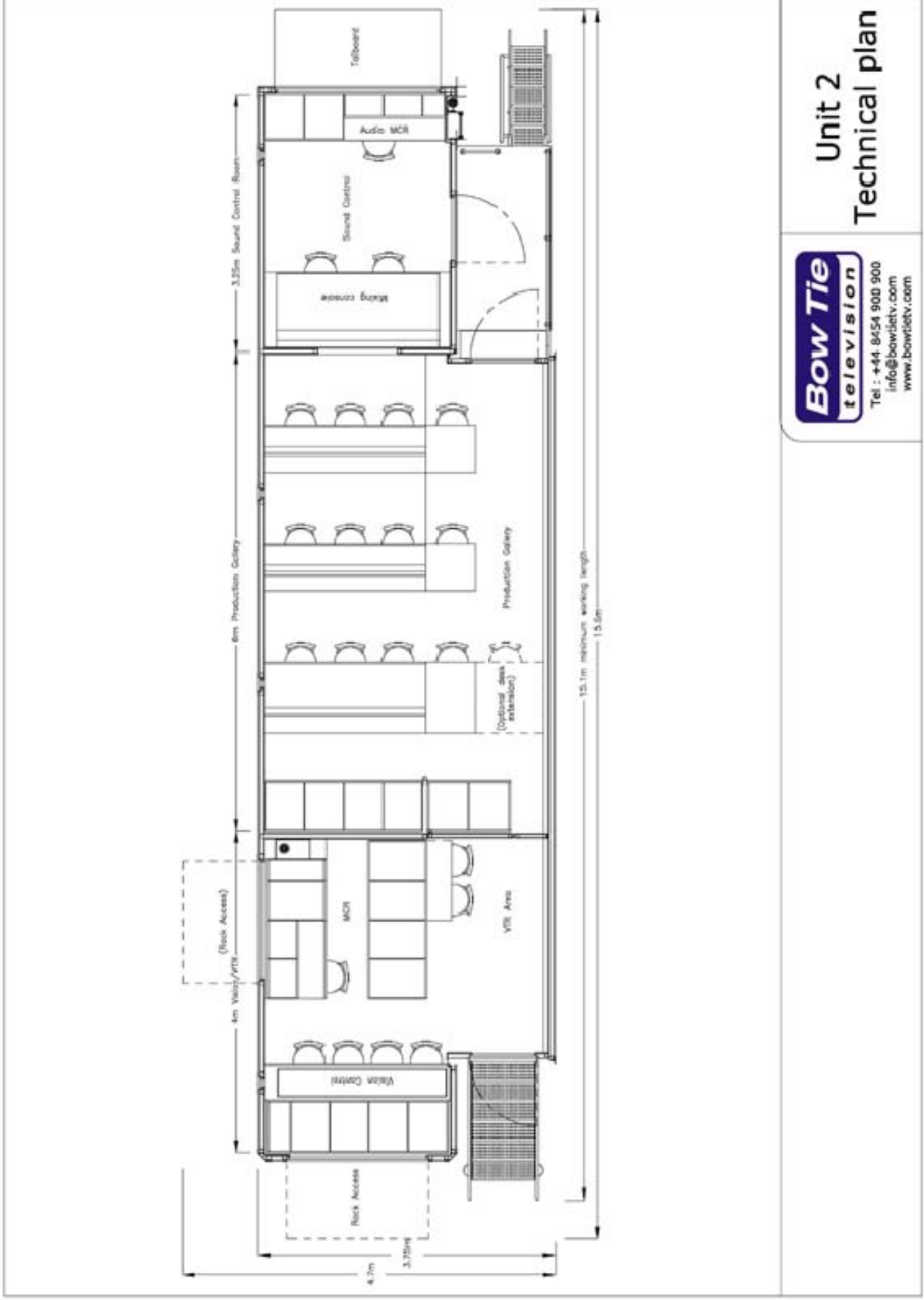
Unit 2 - Specification

Technical details – Vision

Cameras	Up to 20 cameras 10x Sony HDC-1500 HD camera systems installed Ethernet control bus with MCP
Monitoring	32 preview monitors 4 x JVC HD/SD 17" CRT monitor Harris HD/SD video analysis with multichannel audio analysis
Vision mixer	Sony MVS-8000A HD or SD switcher 3 M/E (up to 4) 8 Frame/clip store outputs capable of recording up to 2,016 SD frames or 781 HD frames 51 Inputs Freely configurable Aux and ME outputs across 24 physical outputs
Video effects	Sony MVE-8000 HD or SD effects 2 channel (up to 4) Fully integrated with MVS-8000 switcher
Video matrix	Pro-Bel Eclipse 128 x 256 SD-SDI matrix Quartz Xenon 128 ² wideband matrix
Synchronisers	1 x Harris X-75 multi-path up/down/cross converter & synchroniser with audio processing 4 x AJA FS1 processor 2 x analogue – SD-SDI converter/synchroniser
Additional features	TSL Tallyman UMD and tally controller Pro-Bel Aurora matrix control system HD/SD Fingerworks Telestrator 8 x Zandar quad split Ample space for graphics devices 3 x HD/SD embedded transmission lines

Technical details – VTR

Capacity	12 x HD or SD VTR of which, up to 4 x HD or SD EVS LSM
Monitoring	14 preview monitors 2 x 17" JVC HD/SD monitors Bel Digital VTR audio monitoring units
Additional features	4 x DVD recorders



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Unit 2 Technical plan

53	54	55	56	57	58	Clock & centre speaker	59	60	61	62	
41	42	43	44	45	46	47	48	49	50	51	52
34	35	36	37	29	30	38	31	32	33	39	40
25	26	27	28	17	18	19	20	21	22	23	24
13	14	15	16	5	6	7	8	9	10	11	12



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Unit 2 Monitor stack

Unit 2 - Layout

