



TECHNICAL RIDER

ITEM	QTY	DESCRIPTION
Stage Dimensions		
Width at DS Edge	31'-4"	Measured at backside of Permanent Front Fill Speakers
Width Between DS Steps	31'-3"	This excludes the steps themselves.
Widest Part of Stage	37'-0"	Immeadiately US of top of DS Steps
Width at US Drape	26'-0"	US Drape normally hung from US-most Pipe
C/L Depth at US Drape	24'-4"	US Drape normally hung from US-most Pipe
C/L Depth at US Bulkhead	26'-4'	Bulkhead is 7'-3' from Deck
C/L Depth at Hard US Wall	29'-10"	Extreme US Limit of Stage
Working Trim	15'-6"	Pipes are dead-hung
Height of Deck	3'-0'	
Lighting Fixtures		
ETC Source Four LED3 Lustr X8	12	Ellipsoidal Reflector Spotlight and Lens Kit
ETC Source Four XDLT Lens Tube 19 deg	10	
ETC Source Four XDLT Lens Tube 26 deg	12	
ETC Source Four XDLT Lens Tube 36 deg	12	
ETC Source Four XDLT Lens Tube 50 deg	10	
ETC Desire Fresnel with barndoors	12	Fresnel Spotlight
ETC/HES SolaFrame Theatre	14	Moving Head Profile
Martin ERA800	4	Moving Head Profile
ETC/HES Solapix 19 with Snoots	12	Moving Head Multi-Cell Wash
Par-16 Black	12	Birdies with MR16 Lamps
Antari HZ-500	1	Hazer with Distribution Duct
Computers		
16" Retina Macbook Pro	3	M2 Chip. 16 GB RAM. 1TB Hardrive
Acer Nitro PC	1	2.3GHz i7 Processor. 16 GB RAM. 1TB Hardrive

5th Generation iPad Air	3	64 GB Storage
Masking		
Stage Masking 8'W x 16'H No Chain in Bottom	18	4 x Normally hung US as Static Traveller
Legs 8'W x 16'H with Chains in Bottom	6	Normally hung 3 SL/3 SR
Teaser 40'W x 4'H	1	Normally hung as Main Teaser
Teaser 40'W x 3'H	1	Normally hung as MS Teaser
Scrim 32'W x 15'H	1	Sharkstooth
Audio- Speakers		
Meyer Sound UPQ D-3 (Active)	3	LCR Main PA
Meyer Sound 900-LFC (Active)	3	Subwoofers arranged as Cardioid Sub
Meyer Sound ULTRA-X20 (Passive)	23	5 x Front Fill Speakers
		4 x Floor Side-Fill Speakers
		2 x Floor Rear-Fill Speakers (1 under each balcony)
		4 x Orchestra Side-Fill Speakers
		4 x Balcony Side-Fill Speakers (2 per balcony)
		2 x Balcony Front-Fill Speakers (1 per balcony)
Meyer Sound ULTRA X40 (Active)	2	Orchestra Rear-Fill Speakers
Meyer Sound ULTRA-X20 (Active)	2	Flown On-Stage Monitors
QSC K10-2	6	Wedge/Side-Fill Monitors (Also Available for Theatre Hill)
Meyer Amie (Active)	2	Near Field Monitors at FOH
Audio Consoles		
Digico SD12T	1	FOH Console. C/W 2 DMI DANTE 64@96 Cards
Digico S21	1	Monitor/Auxiliary Console C/W 1 DMI DANTE 64@96 Card
Digico 4REA4	1	Venue-Wide Zone Mixer C?W 1 DMI DANTE 64@96 Card
Audio Processing and Power		
S3410-24TS-P 24 port POE Switch	3	1 @ FOH, 1 Onstage, 1 in Processing Rack
Meyer Sound Galileo Galaxy 816	2	Audio Processing Rack
Meyer Sound MPS-488HPp	3	Power Supplies for Meyer UX20 (Surround Fills)
Dante AVIO 2 Channel DANTE->Analog Conversion	5	DANTE inputs to PA
Audio I/O		

Digico DQ Rack	1	DANTE/Analog Conversion 48 IN 24 OUT. Onstage
Digico A168D	1	DANTE/Analog Conversion 16 IN 8 OUT. Floating
Digico A164D	2	DANTE/Analog Conversion 16 IN 4 OUT. Floating
DANTE AVIO Input	4	2 Channel Analog-> DANTE Conversion
DANTE AVIO Output	1	2 Channel DANTE-> Analog Conversion
Wireless Microphones		
Sennheiser ew300 g4	8	C/W Reciever, handheld, and beltpack
Sennheiser ew300 g3	3	C/W Reciever, handheld, and beltpack (Also Available for Theatre Hill)
DPA 2028	8	Capsules for g4 Wireless Handhelds
Sennheiser hsp-2	4	Headworn Microphone
Wired Microphones and DIs		
Shure SM58	8	Dynamic Vocal Mic
Shure SM57	4	Dynamic Instrumental Mic
Shure SM81	2	Small Diaphragm Condenser Mic
Neumann KM184	2	Small Diaphragm Condenser Mic
Royer r10	2	Ribbon Microphone
DPA 4099	2	Gooseneck Condenser Instrumental Mic
Sennheiser e935	6	Dynamic Vocal Mic
Sennheiser e906	4	Flat Dynamic Instrumental/Amplifier Mic
Sennheiser e908	2	Gooseneck Condenser Instrumental Mic
Sennheiser Drum Mic Kit	1	1 x 901 Kick IN); 1 x 902 Kick OUT; 4 x 904 Snare/Tom; 2 x 914 Overhead
Earthworks Choir Mics	4	Hanging Choir Mics
Radial ProDI	6	Passive Mono DI
Microphone Stands		
K&M Tall Boom Mic Stands	13	
K&M Short Boom Double Telly Mic Stands	6	
K&M Ultra-Short Boom Double Telly Mic Stands	2	
Clearcom		
MS702 Main station	1	
RS702 Beltpacks (wired)	5	
Single Muff Headset	5	
DX410 wireless com with Single Muff Headsets	4	

Lighting Consoles		
ETC Gio@5 lighting console	1	Lighting Desk
MA2 Ultra-light Console	1	Lighting Desk
Data and Power Distribution		
ETC Sensor3 Hybrid Distro/Dimmer Rack	1	
48 x 20 Amp Dimmers with Soca and L5-20 Outlets		120V 20A
2 x L14-30 Non-Dims		120V/240V 30A
4 x 20A Edison Non-Dims		120V 20A
1 x L21-30 Non-Dim		120V/208V 3ø 30A
3-phase Cam with Reversed GN and Thru-puts		200A Service
S3410-24TS-P 24 port POE Switch	1	sACN Distribution LX Booth
S3410-48TS-P 48 port POE Switch	1	sACN Distribution Rack
Obsidian Control Netron EP4 sACN Node 2.0.0.x IP	12	sACN/DMX Conversion
Video Playback		
Christie D13WU2-HS (Main Projector)	1	Main Projector
0.38:1 fixed lens	1	short throw lens
0.65-0.75:1 Zoom Lens	1	short throw lens
0.84-1.02:1 Lens	1	Medium throw lens
1.02-1.36:1 Lens	1	Medium throw lens
Christie DWU1100-GS (auxiliary)	2	auxiliary projectors
0.36:1 Ultra Short Throw	2	short throw lens
0.65-0.75:1 Zoom Lens	2	short throw lens
0.95-1.22:1 Zoom Lens	2	Medium throw lens
Christie One Mount Plus	3	projector mount
Christie One Mount Rigging Kit	3	mount adaptor
Christie One Mount Extender Rod	3	extender rod
Draper StageScreen Screen Kit 20'x12.5' (16:10)	1	Front Projection Screen
Draper StageScreen Screen Kit 16'x10' (16:10)	1	Front Projection Screen
Draper StageScreen Screen Kit 10'x6'-3" (16:10)	2	Front Projection Screen
Video Capture and Processing		
Blackmagic Design Atem Television studio hd	1	Video Mixer
Canon CR-N300 PTZ	2	Remotely Controlled Pan-Tilt-Zoom Camera
Black Magic Studio Camera 4k Pro	2	Camera
ROKINON CINE DS 10MM T3.1 WIDE ANGLE LENS - MFT MOUNT	2	camera lens

ROKINON CINE DS 35MM T1.5 AS UMC LENS - MFT	2	camera lens
ROKINON CINE DS 85MM T1.5 LENS - MFT	2	camera lens
ROKINON CINE DS 50MM T1.5 AS UMC LENS - MFT	2	camera lens
Manfrotto MVT502AM	3	56.5" Camera Tripod



THEATRE HILL BAR + CAFÉ

ITEM	QTY	Description
Lighting		
ETC EchoTouch Mk2 Controller	1	Touch-panel Lighting Controller
Coloursource Par	6	US Washlights
Coloursource Spot Jr.	6	DS Spots
Audio		
		NOTE: Building-wide 4REA4 is Console for Theatre Hill
Meyer Sound Ultra X40 (Active)	2	Main Left Right PA
Meyer Sound Ultra X20 (Active)	2	Fill Left Right PA
Meyer Sound LCF750	2	Cardioid Sub System