CAROLINA PERFORMING ARTS

Memorial Hall TECHNICAL SPECIFICATIONS

TABLE OF CONTENTS

Contact Information	1	Power	4
Addresses	1	Soft Goods	4
Driving Directions	1	Orchestral Equipment	4
Seating Capacity	1	Staging	4
Stage Dimensions	1	Dance	4
Lighting	2	Wardrobe	4
Projection	2	Tools and Facility	4
Video	2	Catering	5
Audio	3	Dressing Rooms	5
Rigging System	3	Touring Production Office Information	5
Orchestra Pit	4	Bus and Truck Information	5
Orchestra Pit Lift	4	Footnotes	5

CONTACT INFORMATION

Travis Creed Email	Director of Production jtcreed@unc.edu
Aaron Pickett <i>Email</i>	Senior Production Manager picketta@email.unc.edu
Radu Iftimie <i>Email</i>	Production Manager iradu@unc.edu
Production Office	919-843-3455

MAILING ADDRESS

Memorial Hall	
CB# 3233	
Chapel Hill, NC 27599-3233	

SHIPPING ADDRESS

Memorial Hall Loading Dock 140 E Cameron Avenue Chapel Hill, NC 27514

DRIVING DIRECTIONS

I-40 to NC-86 (Exit # 266)
Travel toward Chapel Hill until Cameron Ave.
Left on Cameron
Memorial Hall is 3rd building on the right

SEATING CAPACITY

Total Capacity	1434
Orchestra Level	916
Balcony Level	518

STAGE DIMENSIONS

0.7.02 22.000			
NOTE: All US/DS dimensions are taken from plaster line			
Proscenium 48' 3" W x 30'			
Stage Material Sprung, oak ha	ardwood (ROSCO ToughPrime black)		
Stage Deck			
Width ¹	87' 5" SL lockrail to SR wall		
Depth ²	44' 2" Plaster line to US wall		
CL to SL Lockrail	40' 6"		
CL to SR Wall	46' 11"		
CL to SL Midrail	36'		
CL to SR Midrail	38' 9"		
Stage Height above house floor	3' 4"		
Plaster Line to edge of apron at CL 7'			
Plaster Line to edge of apron at SL/SR 5' 9			

LIGHTING		LIGHTING cont.		
Theatrical lighting control		Circuit locations		
ETC Ion w/ 2x20 Fader Wing		Cir#	Location	
Remote focus via iRFR app		1-36	Cove	
ETC Nomad USB key		37-42	Light Booth	
Console location options ³		43-48	Balcony Rail	
Back of balcony, back of orchestra level	DSL.	49-66	SR MidRail	
DSR, midrail SR	, ,	67-72	Orchestra Pit	
Architectural lighting control		73-256	Stage Overhead	
ETC Paradigm control system		257-259	DSL	
Architectural lighting control locations		260-262	DSR	
DSL and DSR permanent, one portable	unit	263-270	USL	
Dimmers ETC Sensor+ installati		271-274	USC	
Theatrical 20A	282	275-282	USR	
Architectural 20A	37	213-202	0311	
alternate ThruPower 20A	6	PROJECTION		
Lighting fixtures ⁴	_	Projector	27401/ 40000 AA	1011
Altman Lighting 4-circuit 8'6" ZipStrip	5	Panasonic PT-F	RZ 12K 12000 Ar	NSI Lumens
Chroma-Q Color Force II 72	10	Lenses	751 500 0 4 4 07 7	
DeSisti Monet Fresnel 2K	10		075LE30 2.4-4.67 Zoom	1
ETC Source 4 Fixture Body 575W	157	Projection Surfaces		
10° Lens Tube	13	AV Stumpfl 9'x1	` ,	_
19° Lens Tube	58	The Screen Wo	\ /	Hung only
26° Lens Tube	41	Projection Measuremen	ts ′	
36° Lens Tube	40	Balcony Rail		
50° Lens Tube	14	Distance	e	61'
ETC Source 4 PARNel 750W	38	Angle		9°
ETC Source 4 PAR 575W	66	Cove		
WFL, MFL, NSP, VNSP lens	options	Distance	е	61'
Followspots		Angle		47°
Lycian SuperArc 400	2	First row of Orcl	hestra Level	
Lighting cable		Distance		19' 8"
5' Stagepin cable	40	Angle 8	_	-17°
10' Stagepin cable	40	Last row of Orch	nestra I evel	
25' Stagepin cable	40	Distance		80'
50' Stagepin cable	10	Angle		0°
100' Stagepin cable	6	First row of Bald	conv Level	
10' Multicable extension		Distance	•	64'
20' Multicable extension	5 5	Angle	5	11°
25' Multicable extension	5	Last row of Balo	popy Loyol	
50' Multicable extension	4	Distance	•	102'
	4		5	102 15°
3' Multicable break-out		Angle		10
3' Multicable break-in	4	FOH Mix Position		001
Multicable batten lay break-out ⁵	25	Distance	9	83'
Two-fer	35	Angle	D ::	0°
Lighting accessories		Lighting Control		
PARNel/PAR barndoor	20	Distance	9	106'
Drop in iris	10	Angle		17°
Source 4 A size pattern holder	10			
Source 4 B size pattern holder	10	VIDEO		
Source 4 Top Hat	40	40" Flatscreen Monitor		2
20' boom	10	42" Flatscreen Monitor		3
10' boom	10	Signal Converters		
50 lbs boom base	10	Decimator MD-l	∃X (scalable)	2
Super-Mega Side Arm 18"	50	Decimator MD-l	_X	2
Scenery bumpers	8	LiveStream Package		
Starhazer II	1	Mac Pro Rack		1
12" Pigeon plates	10	Focusrit	e Rednet Dante Card	
			agic DeckLink SDI Card	4 port
			sent to CPA YouTube	/ -
		Panasonic HD (2
		- Canadomo FID		

AUDIO		AUDIO cont.	
FOH consoles	Midas M32	Accessories	
Inputs	32 mic + 8 aux	Tripod mic stands Tall Boom	11
Mix busses	25	Short Boom	7
Mute groups	6	Tall Round base mic stands	
DCA's	8	BSS DI box (1-ch. Active)	10
FOH console placement		Radial JPC DI (2-ch. Active)	1
Centered in back of house	on orchestra level	RadialPRO DI (1-ch. Passive)	2
House speakers		Whirlwind PCDI (2-ch. Passive)	2
Mains	EAW KF855e x 4	Intercom system 10	
Subs	EAW SB625z x 2	Clear-Com base station 11	4 channe
Downfills	EAW MK2364 x 2	1-ch. beltpack	11
Frontfills	EAW UB22i x 9	2-ch. beltpack	2
Balcony delay	EAW MK5366 x 4	FreeSpeak II base station	4 channe
Monitor speakers		2-ch.wireless beltpack	5
Community XLT48E	8	Single ear headset	18
EAW JFX88	8	Signal flasher	1
Amplifiers			<u>'</u>
Monitors	QSC PL224A x 3	RIGGING SYSTEM	
Frontfills	QSC CX254 x 2		chase Counterweight
Mains	QSC CX404 x 2	Type Single Pur Lockrail location	SL Stage level
		Linesets 12	
Balcony/Downfills/Mains	QSC CX702 x 6		55
	C Powerlight 6.0 II		tensions on each end
Portable / Flight Cased 9	QSC PL224A X 2		edule 80 1.5" ID stee
Wired microphones	_	Liftlines per lineset	6
Shure Beta 57A	6		0' left and right of CL
Shure Beta 58A	6	Height to gridiron working surface	74
Shure Beta 87C	6	Height from gridiron to overhead steel 13	8
Shure SM58S	1	Number of overhead beams	6
Shure SM81	2	Height from gridiron to trolley beams ¹³	1' 9"
Shure PG48S	2	High batten trim	66
Shure KSM 32	4	Low batten trim	4
Crown PCC 160	4	Total batten travel distance	62
AKG D112	1	Arbor capacity	1825 lbs
Audio Technica ES933PM/H	2	Available weight	60236 lbs
Sennheiser MD421	6	43.5 lbs bricks	926
DPA 4099	4	21.75 lbs bricks	920
Shure CVG 18	1	Pin rail location	Mid rail SL and SR
Shure MX 418/C	2	SL Mid rail:	ma ran oz ana or
Wireless receivers/transmitters	<u>-</u> _	Height to bottom	30' 9'
Shure Axient Digital AD4Q red	c. 2 (8 channels)	Height to walking surface	32' 1'
ADX2 Handheld transmitters	8	Height to waiking surface Height to pin rail	35' 7'
	_	Width	4' 2'
ADX1 Bodypack transmitters	8		4 2
RF Venue Distro4	<u> </u>	SR Mid rail:	241.01
Wireless microphones	0	Height to bottom	31' 2'
Shure Beta 58A	8	Height to walking surface	32' 2'
Shure Beta 87C ⁹	8	Height to pin rail	35' 7'
Shure WL184	8	Width	8
Shure WL51B	8	Loading gallery:	
Countryman E6 Isomax Omni-		Height to walking surface	68 1
Countryman E6 Isomax Omni-		Distance, gallery floor to arbor	
Countryman E6 Isomax Omni		Width 4' 7	
Countryman E6 Isomax Omni	-Tan 4_	Additional Rigging Equipment:	
Playback equipment		12" Light Duty Ladder Truss, 5'	2
Mac Studio M2 Extreme		12" Light Duty Ladder Truss, 10'	6
QLab 5 - Audio and	Video license	12" Light Duty Triangle Truss, 10'	10
Denon DN-T625 CD/Cassette		1/2 Ton Chain Hoist, 80' Chain	4
Audio Power (all audio power has isola		1/2 Ton Chain Hoist, 60' Chain	12
100A 3-phase company switch		ion chair riolot, or chair	12
20A circuit locations			

DSR, FOH mix, Mid house mix

ORCHESTRA PIT	STAGING	
Square footage	Portable Stage Decking	
Of permanent floor 320	Wenger Versalite 4x4 Deck 19	2
Of pit lift 360	Wenger Versalite 4x8 Deck 19	10
Height to house floor 4' 8"	Stairs Stairs	
Height to stage floor 8'	Single step	8
Access Doors from basement on SL/SR ¹⁴	2-step unit	2
7,00000	3-step (with railing)	1
ORCHESTRA PIT LIFT	4-step (with railing)	2
Pit lift is a Gala Systems Spiralift	Rugs	
Control locations Stage, Orchestra Pit, Lift	Decorative Area Rugs (9'x12')	3
Lift points 4	Drum Rugs (8'x8')	2
Rated load	Various carpet runners avaialble upon request	2
Static 60,000 lbs	Ceremony Staging	
Dynamic 17,000 lbs	Commencement Lectern (with step)	1
Total lift travel distance 8'	Wood Lectern	1
Playing positions	Water Table (black, 30")	1
Orchestra Pit, House Floor, Stage ¹⁵	Water Table (black, 30') Water Table (wood, 30")	1
Orchestra Fit, House Floor, Stage	Water Table (Wood, 30)	<u>I</u>
POWER	DANCE	
Company Switches ₁₆ 6	Marley / Vinyl Floor	
400A 3-phase (SR)	Stagestep Superbravo (Black/White) 20	57' x 12m
200A 3-phase (Grid) 1	Intended for modern or contemporary dance	J. A 12111
100A 3-phase (Grid) 100A 3-phase (Loading dock)	Stagestep Superbravo Pro (Black/Grey) 20	65' x 12m
100A 3-phase (DSR) *see Audio Power 1	Intended for jazz, moden, ballet and tap	00 X 12111
Bus bars	Dance barres (6' x 45")	6
100A (Light booth) 1	Dance barres (0 X 40)	
100A (Cight booth) 100A (Catwalk)	WARDROBE	
1007 (Gathant)	Steamer ²¹	2
SOFT GOODS	Ironing Board	2
Valence	Iron	2
Color COPEN BLUE	48" Portable Dressing Mirrors	2
Material CHARISMA 24oz IFR POLYVELOUR	Washer/Dryer	1
Size 55' W x 16' H	Washer/Dryer Hook-ups ²²	1
Main Drape (two panels)	Portable wardrobe racks	6
Color COPEN BLUE	Laundry room (in Basement) ²³	1
Material CHARISMA 24oz IFR POLYVELOUR	Bath towels (assorted colors)	100
Size 29' W x 32' H/per panel	Hand towels (assorted colors)	100
Type Travel or Guillotine	Hariu lowers (assorted colors)	100
Masking drapes 24oz IFR POLYVELOUR	TOOLS AND FACILITY	
Legs - 12' W x 32' H 12	Ladders	
Borders - 60' W x 8' H 6	6'	2
	8'	2
Blackout (Charisma, flat) 60' W x 30' H		2
Blackout (Charisma, flat) ¹⁷ 2 panels @ 36' W x 30' H	12'	1
Scrim (sharkstooth, black) 61' W x 32' H	8'-14' Adjustable Podium	1
Cyclorama (muslin, white) 61' W x 30' H	Personnel Lift	
Projection Fabric (Boost, white) 60' W x 28' H	Genie AWP-30	1
	Flatbed Dolly	8
ORCHESTRAL EQUIPMENT	Handtruck	1
Orchestra Shell	Tools	
Wenger Diva Acoustical Shell (Red Mahogany) ¹⁸	Assorted hand tools	
Staging		and Cordless
Wenger Musician Chairs 110		bital and Belt
AdjustRite Cello Chairs 2		Angle Grinder
Cello Riser (5' x 2.5') 1		Finish Nailer
Wenger Conductor Podium 1 (2-step)	Saws Reciprocating,	Jig, Circular,
Conductor Stand 1	Compound mit	
Music Stands	6' tables	16
Wenger Roughneck Stands 100	Loose Chairs (including dressing room chairs)	65
Pianos	Assorted tablecloths and skirts	
Steinway & Sons Hamburg Model D SN 572783	44 gallon trashcans	4
Steinway & Sons New York Model D SN 564866	Pipe and Drape 60 L	_inear Feet
Kawai Upright SN K777209	8' Black Banjo cloth	
	4	

CATERING

NOTE:

Residential Refrigerator 1
Coffee Grinder/Brewer 2
3.0L Coffee Airpot 6
Coolers 5
Assorted silverware
Assorted diningware
Assorted glassware
Assorted paper and cloth napkins
Assorted serving pieces
Additional catering equipment available with prior notice.

DRESSING ROOMS 24

Room	Capacity	Location
Α	2	Stage level (SR)
В	1	Basement
С	4	Basement
D	5	Basement
Ε	5	Basement
F	4	Basement
G	10	Basement
Н	10	Basement

NOTE: All dressing rooms have direct access to bathroom with a toilet, sink, and shower.

Rooms C & D share a bathroom. Rooms E & F share a bathroom.

Rooms G & H can be combined into large room for 20.

TOURING PRODUCTION OFFICE INFORMATION

Office Equipment
Color Printer

Copier

Internet hook-ups ⁹ Throughout the venue WiFi Throughout the venue

NOTE: Personal computers must be configured for campus network. See Production Manager for details. Touring productions MAY NOT bring in wireless routers without prior approval from Production

Manager.

BUS AND TRUCK INFORMATION

Loadin	g Dock		2 bay	
	One dock with leveler	, one fixed at 40"		
	Roll-up doors		9' W x 10' H	
	Dock plate	5' W x 3' D, 10	0,000 lbs capacity	
NOTE:	Ground-level access on east side of building			
NOTE:	Bus/Truck parking for two vehicles available in dock.			
	Parking for more than with a Production Mai	two vehicles must be arra nager.	anged prior to arrival	
	Parking for up to 10 p	ersonal cars available wit	h prior notice.	

Shore power

100A 3-phase company switch Loading Dock

NOTE: Must be arranged prior to arrival with a Production Manager.

Vehicle must provide at least 25' cable w/ camlock connector or bare-ends for tie-in.

FOOTNOTES

- 1 = Measured to onstage edge of pilasters in SR wall. Pilasters are 1' 4" deep
- 2 = Measured to downstage edge of pilasters on US wall. Pilasters are 1' 8" deep
- 3 = Console located at back of orchestra level unless otherwise instructed
- 4 = All ETC Source4 instruments capable of housing 750w lamp
- 5 = Batten lay break-out has stagepin connectors on 18" centers
- 7 = Distance measured from Plaster Line at center. Angle measured from Plaster Line at center, 6' above stage
- 8 = Angle in a downward direction
- 9 = Available with prior notice
- 10 = Intercom system also serves as backstage paging system
- 11 = Located on stage, DSR
- 12 = Five linesets are permanently committed with items that cannot be removed. See line schedule for details
- 13 = Overhead beams run US/DS, trolley beams run SL/SR
- 14 = Wheelchair access to orchestra pit from SL pit door
- 15 = Can be positioned anyplace in travel range
- 16 = Company switches accept camlock connectors or bare wire. Must give advance notice for bare wire tie-in
- 17 = Curtain can operate as a traveller with prior notice
- 18 = Orchestra Shell drawing available upon request
- 19 = Can be set with 8", 16", 24", or 32" legs. Locking wheels available (+6")
- 20 = Downstage panels of house marley cut for procenium arch (48' wide) with downstage edge set 3'3" downstage of plaster line.
- 21 = Steamer can only be used in approved areas. Contact Production Manager for details
- 22 = Washer/Dryer hook-ups in wardrobe room are in addition to house washer/dryer
- 23 = The room typically used as the green room can be converted into a wardrobe room with prior notice
- 24 = See Basement level drawing for room layout