

Peace Center



TD Stage at the Peace Center

Technical Package

Administrative Office

101 West Broad Street Greenville, SC 29601

Main Phone: (864) 467-3030 Main Fax: (864) 467-3040

Production Office

Phone: (864) 467-3008 Fax: (864) 467-3014

Production Team

Shelby Wirt	Director of Production	swirt@peacecenter.org	(864) 679-9291
Kevin Newton	Technical Director	knewton@peacecenter.org	(864) 679-9294
William Davis	Assistant Technical Director	bdavis@peacecenter.org	(864) 679-9295
Bryan Delaney	Production Technician / Audio	bdelaney@peacecenter.org	(864) 679-9297
Mike Brown	Production Technician / ME	mbrown@peacecenter.org	(864) 679-9280
Eric Gay	Production Technician / ME	egay@peacecenter.org	(864) 679-9285

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General Technical Information

Stage Description

The TD Stage is an outdoor amphitheatre with a permanent covered roof structure. The stage surface consists of poured concrete. The roof consists of a round steel tube construction covered by a tensile fabric roofing membrane. This roof is held up by eight columns that meet at four anchor points, two stage right and two stage left. The roof houses permanent lighting and audio positions as well as pre-positioned rigging points with one (1)-ton and half (½)-ton rating capacities. Please refer to the drawings “TD Stage Front Elevation” and “TD Stage Roof” to see a reference.

Stage Dimensions

Depth of stage at center	35'2"	Height to downstage roof structure	26'10"
Depth of stage at stage-right	31'0"	Height to midstage roof structure	27'0"
Depth of stage at stage-left	33'4"	Height to upstage roof structure	25'9"
Width of stage at downstage columns	62'3"	Height of stage from audience level	2'6"
Width of stage at upstage columns	54'3"	Distance to FOH from DSC edge	92'0"
Offstage width stage-right of columns	5'0"		
Offstage width stage left of columns	10'0"		

Loading Area, Parking

Load in access will be determined during the advance. Parking recommendations will be made during advance.

Cars and box trucks are allowed to unload on to stage area. Access to TD Stage is by way of Japanese Dogwood Lane off of West Broad Street. After equipment is unloaded vehicles must move. No parking of cars or trucks on amphitheatre during events. Buses and Semi Trucks are not allowed on amphitheatre grounds.

Pending the Concert Hall performance schedule the loading dock off Broad Street may be a parking option.

Rigging

All rigging points on the roof structure are fixed and utilize a 5/8" shackle for chain-motor connection. The roof contains pre-determined 1-ton points and ½ ton cable management points. All rigging must be done from these existing points. No use of span-sets, rigging steel or other connection method over the structural tubing is permitted. No rigging of any kind is to be done anywhere else on the roof structure as it is not rated for any other loads other than the pre-determined points. Please reference the “TD Stage Lighting and Rigging Plot” drawing for more information.

The points fall in the following locations with (three total **I-ton** points) – One at center, one each at 18'6" off center:

- Beam 1 – 4'8" from front of stage
- Beam 2 – 18'8" from front of stage
- Beam 3 – 29'8" from front of stage
- Beam 4 – 39'5" from front of stage

The cable management points (four total $\frac{1}{2}$ -ton points) are off-stage and in line with the locations at Beam 2 & 3 at 26'4" off center.

A triangular truss is hung with two $\frac{1}{4}$ ton motors on the furthest upstage points. This truss is for banners only and is not rated for hanging any other type of stage equipment. Please discuss any plans for hanging banners for your event with either the Director of Production or the Technical Director as banner specification guidelines must be followed to hang from this position. No other banner hanging positions exist.

Equipment for the Stage

Peace Center stage equipment services multiple performance spaces; therefore equipment usage is subject to availability. Contact Production Manager or Technical Director before planning to use any of the equipment listed in this section.

- Various hand trucks with hard rubber tires, platform trucks, piano type dollies, and step ladders ranging from 4'-12',
- Tables, orchestra chairs, folding chairs, stools, music stands
- 4' x 8' & 4' x 4' platform risers with adjustable legs
- (1) Personnel lift

House Audio System

Overview

The TD Stage audio system is a custom designed system with quality components. The main speaker arrays left and right contain (6) QSC Wideline 8 boxes per side. Out fills on stage right side containing (2) QSC Wide line 8 boxes, round out the system, for full coverage of audience area. Portable subs and front fills are available to complete the package.

The TD Stage speaker arrays are permanently hung for the season and cannot be removed to make way for other PA systems.

Two Yamaha M7CL-48 ES Digital consoles are available, one front-of-house and one for monitors. Monitors, amplifiers, and microphones round out the audio inventory for the TD Stage. Refer to the drawings "TD Stage Front Elevation", "TD Stage Lighting and Rigging Plot", and "TD Stage Section View" for more details.

Main Speakers

- Main System Left-Right:** (6 per side) QSC WL3082-WX Wideline 8 Line Array Elements - Weatherized
- Out fill:** (2 Total Stage Right) QSC WL3082-WX Wideline 8 Line Array Elements - Weatherized
- Subs:** (4 portable) QSC GP218-sw-BK 218 Subs
- Front fill:** (5 Portable) QSC KW122 2-way self-powered Portable

Front of House Audio Gear

Front of House Audio Location is located in the audience green space 92'0" from front of stage and has isolated power: connections to House Sound System via amp room, 12 Channel audio patching to stage-left in a weatherized box, and 4 Ether sound connections to stage-left.

House Console and Monitor Console consist of (2) Yamaha M7CL-48 ES Digital Consoles with Meter Bridges and (3) Yamaha SBI68-ES (16-mic/line input; 8-output) modules and 1 Furman Rack AC

System Power, Processing, and Amplifiers

- (2) Furman ASD-120 3-Phase Sequenced power distribution
- (1) Yamaha DME24 Master Processor
- (1) QSC DSP-322ua Configurable 8 x 8 DSP Processor for QSC Loudspeakers
- (1) QSC SC-28 2 x 8 Processor for QSC Loudspeakers
- (5) QSC PL380 Amplifiers
- (2) QSC PL325 Amplifiers
- (1) Yamaha CP-4SF Wall Controller Stage left

Monitors

- (7) QSC KW122 2-way Self-Powered Monitors

Microphones, DI Boxes

- (1) Audix DP7 Drum Microphone Package
 - Includes (1) D6; (1) D4; (2) D2; (1) i5; (2) ADX51; (4) Dvice
- (1) Shure Beta 52 Kick Drum Microphone
- (1) Shure Beta 91 Boundary Microphone
- (6) Sennheiser e604 Microphones
- (2) Sure SM81 Microphone
- (8) Sure SM57 Microphones
- (8) Sure SM58 Microphones
- (1) Sennheiser MD421 Microphone
- (1) Shure Beta 87A Microphone

- (2) Radial J48 active DI
- (6) Radial Passive ProDI
- (4) Whirlwind IMP2 Passive DI

Cables, Microphone Stands

- (2) 25' Professional Dura Cat 5 Cable (for Audio Consoles)
- (2) 75' AC/Signal Combo Snakes (for monitors/front fills)
- (4) 25' Powercon to IEC + Signal (for monitors/front fills)
- (4) 50' Powercon to IEC + Signal (for monitors/front fills)
- (2) Rapco 12-Channel 50' Sub snakes
- (2) Rapco 12-Channel 75' Sub snakes
- Stage AC Drops – L5-20 Male twist to Quad box

- (10) 5' XLR Cables
- (20) 10' XLR Cables
- (25) 25' XLR Cables
- (4) 50' XLR Cables

- (5) K&M Heavy-duty Tripod Microphone Stands with Telescoping Boom Arm
- (4) K&M Short Tripod Microphone Stands with Telescoping Boom Arm
- (11) Whirlwind Tall Tripod Base Microphone stands with boom
- (6) Whirlwind Short Tripod Base Microphone stands

Intercom

- (1) Production Intercom PS-2 3-circuit power supply with switching
- (8) Production Intercom BPI Belt pack
- (6) Production Intercom SMH-210 Headset
- (2) Production Intercom HH10/A Handset
- (2) Production Intercom Blazon-4 Strobe Flasher

Power

- (1) 200A Weatherized Disconnect (3-Phase + isolated ground and neutral) located Stage-Left.
Connection for tails available

House Lighting System

Overview

Lighting for the TD Stage is located on the permanent roof structure. LED light fixtures are hung to provide general stage lighting for shows and events. Access to lighting positions is limited. Need to focus or add to fixtures will be determined on advance. Refer to the drawings "TD Stage Lighting and Rigging Plot", "TD Stage Front Elevation", and "TD Stage Section View" for more information.

Front Electrics

Front Position 2; furthest from stage (12) Altman Outdoor Weather PAR 64 fixtures lamped at 1K MFL lamps. No-color fixtures to create a general front wash downstage.

Front Position 1; closest to stage (12) Chauvet COLORado I-Tri IP fixtures to create front light downstage. These fixtures combine the utility of a PAR wash with the versatility of RGB color mixing.

Stage Electrics

First Electric; (18) Chauvet COLORado I-Tri IP fixtures are front light from downstage to mid-stage.

Second Electric; (12) Chauvet COLORado I-Tri IP fixtures are front light from mid-stage to upstage.

Mid-Stage Banner Electric; (12) Chauvet COLORado I-Tri IP Fixtures focused upstage to light any banners hung

Third Electric; (30) Chauvet COLORado I-Tri IP fixtures act as the primary back-lighting for the full stage.

Spot Power

110V power, two locations located on left and right of balcony, with intercom connections at each location.

Front of House Lighting Gear

Front of House Light position is located in the audience green space 92'0" from front of stage and has Edison power for consoles and (2) DMX input ports in a weatherized box.

Front of House Lighting Console can be either an ETC Expression 3 or an ETC Express 48/96.

Permanent Fixtures

- (12) Altman Outdoor Weather PAR 64
- (72) Chauvet Colorado I-Tri IP LED Pars

Dimming

- (12) Leprecon LWD Dimmers (2.4K)

Circuits

- (12) Circuits located on Front Position 2
- (2) 110V Spotlight Circuits located at front-of-house spotlight locations

All LED fixtures with Edison connectors powered by connections in roof structure fed by breaker panel in dimmer room

Additional Control

- (1) Architectural Lighting Control Panel with 12 selectable presets containing stage washes
- (2) DMX Distribution Amps (located upstage-right)

Power

- (1) 400A Weatherized Disconnect (3-Phase + ground and neutral) located Stage-Right. Connection for tails available
- (1) 100A Weatherized Disconnect (3-Phase + ground and neutral) located Stage-Right. Connection for tails available

Peace Center Guidelines

1. Hours of operation, 8:00AM – 12:00 midnight.
2. All concerts must end by 10:00pm, based on city ordinance.
3. All clients must adhere to Peace Center and city sound policy.
4. All operations, technical advance, and technical requirements will be handled by the Peace Center.
5. Peace Center will be provided with all the necessary show information and crew numbers pertaining to the event or show. Crew calls must be made a minimum of 48 hours in advance.
6. The Peace Center will assign staff & crew as needed.
7. Additional staffing will be scheduled and supplied by StageTech Productions.
8. The Peace Center is an open shop operating under union guidelines. Additional house polices and StageTech Productions guidelines available upon request.
9. A Peace Center staff member will be present for all events.
10. Load-outs will include returning all house equipment to storage.
11. Peace Center employees will not be held responsible for any damages that occur while working an event, to client or vendor equipment.
12. Anyone (client, artists, vendor, or employee of said companies) reporting to work smelling of alcohol or showing signs of intoxication or drug use will not be allowed to utilize Peace Center equipment. They will be asked to relinquish control or to leave the premises. Anyone found drinking or doing drugs during an event, will be sent away and not allowed back in the amphitheatre area.