

APPELL CENTER FOR THE PERFORMING ARTS

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www.strandcapitol.org

STRAND THEATRE TECHNICAL INFORMATION

TECHNICAL CONTACT: **Production Express, Inc.:** (P) 717-854-5265 (F) 717-843-7031
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TECHNICAL DIRECTOR: **James Heath** (P) 717-512-9255 E-mail jamie@proexp.com

GENERAL INFORMATION:

Proscenium Width: 42'-0"

Proscenium Height: 28'-0" to masonry
21'-6" to Grand Drape/Valance

Stage Depth: 37'-1" smoke pocket to upstage wall
37'-8" proscenium line to upstage wall

Stage Width: 77'-5" stage left wall to stage right wall
74'-5" stage left locking rail to stage right wall

14'-11" proscenium line to stage left locking rail
17'-6" proscenium line to stage right wall

35'-11" centerline to stage left locking rail
38'-6" centerline to stage right wall

29'-0" centerline to edge of stage left fly floor
29'-5" centerline to edge of stage right fly floor

58'-5" edge of stage left fly floor to edge of stage right fly floor

Stage Apron: 4'-0" proscenium line to edge of apron

Orchestra Pit: Approximate capacity of 23 musicians
8'-3" below stage
10'-7" deep at centerline, 5'-0" deep at sides, extends 3'-0" under stage
42'-6" wide

Fly Floors: 35'-0" above stage
26'-9" clear from stage to AC duct under stage left fly floor
25'-9" clear from stage to AC duct under stage right fly floor

Grid Iron: 70'-0" above stage

Scene Dock: Accessible stage right through a 12'-0" wide by 19'-0" high roll-up door, the 34'-0"
long by 18'-0" wide-open area can be used for load-in/out staging or as additional
scenery storage.

Loading Door: 10'-0" wide x 12'-0" high, at street level, stage right.

STAGE RIGGING SYSTEM:

Forty-nine (49) five-line, tee-bar guided, single purchase line sets, each with 1900# capacity, on 8” centers, operated from stage left. Each line set has a 52’-0” long truss batten.

Fire curtain is located 3” upstage of proscenium.

House curtain is located 1’-3” upstage of proscenium.

Line set #1 is located 2’-0” upstage of proscenium.

Line set #49 is located 37’-4” upstage of proscenium.

Line set low trim is 4’-0”.

Line set high trim is 65’-0”.

50,000# of counterweight is on hand. This includes pipe counterweight on each line set.

Misc. rigging equipment:

- (15) 8” diameter, 3 sheave, upright hemp headblocks
- (40) 8” diameter, upright hemp loft blocks
- (20) 8” diameter, upright, cable loft blocks
- Misc. 5/8” diameter Multiline II synthetic rope

STAGE DRAPERY:

- (2) Travelers, black velour, with 50% fullness 28’-0” high 52’-0” wide
- (6) Borders, black velour, sewn flat 15’-0” high 52’-0” wide
- (12) Legs, black velour, sewn flat 28’-0” high 8’-0” wide
- (1) Scrim, black, seamless sharktooth 28’-0” high 52’-0” wide
- (1) Cyclorama, seamless bleached muslin, 28’-0” high 52’-0” wide

STAGE LIGHTING DIMMING SYSTEM:

(300) 2.4 kW and (8) 6.0 kW ETC *Sensor* dimmers in dimmer-per-circuit racks.
ETC Expression 3 Stage lighting control console.
ETCNet 2 Ethernet control system.

STAGE LIGHTING CIRCUIT DISTRIBUTION:

FOH Ceiling “Perches”:

Each is a 12’-8” x 4’-4” platform suspended from the auditorium ceiling.
Each is located 30° to either side of the proscenium centerline.
58’-6” throw from center of perch to person standing at proscenium line, center center.
Angle is 39° from center of perch to person standing at proscenium line, center center.
Each has surface mount, vertical connector strip with flush mount, pin plug receptacles.

Stage Left:	(24) 20A (#1 - #24)	Stage Right:	(24) 20A (#25 - #48)
	(1) 50A (#301)		(1) 50A (#302)
	(1) DMX output		(1) DMX output

FOH Box Booms:

Each are mounted on the auditorium sidewall, approximately 39° to either side of the proscenium centerline. 50’-0” throw from box boom to person standing at proscenium line, center center.
Throw angle is 26° from box boom to person standing at proscenium line, center center.
Each has surface mount, vertical connector strip with flush mount, pin plug receptacles.

STAGE LIGHTING CIRCUIT DISTRIBUTION: (continued)

Stage Left: (12) 20A (#49 - #60) Stage Right: (12) 20A (#61 - #72)
 (1) DMX output (1) DMX output

FOH Balcony Rail:

81’- 0” throw to person standing at proscenium line, center center.
 Throw angle is approximately 7° from rail to person standing at proscenium line, center center.
 Each outlet box is recess mounted with flush mount pin plug receptacles.

(12) 20A (#73 - #84)
 (2) 50A (#303, #304)
 (4) DMX outputs

Proscenium:

Outlet boxes are located on proscenium wall, 27’-0” above apron.
 Each outlet box is recess mounted with flush mount pin plug receptacles.

Stage Left: (3) 20A (#85 - #87) Stage Right: (3) 20A (#88 - #90)
 (1) DMX output (1) DMX output

Onstage Electric Pipes:

Each has pipe mounted connector strips with flush mount pin plug receptacles

#1 Electric Pipe: (36) 20A (#91 - #126) 4’- 0” from plaster line
 #2 Electric Pipe: (24) 20A (#127 - #150) 10’- 8” from plaster line
 #3 Electric Pipe: (24) 20A (#151 - #174) 16’- 0” from plaster line
 #4 Electric Pipe: (24) 20A (#175 - #198) 21’-4” from plaster line
 #5 Electric Pipe: (24) 20A (#199 - #222) 28’- 0” from plaster line

Fly Floors:

Outlet boxes with flush mount pin plug receptacles are surface mounted on fly floor side of pin rail.

Stage Left: (6) 20A (#223 - #228) 6’- 4” from plaster line
 (6) 20A (#229 - #234) 14’- 0” from plaster line
 (6) 20A (#235 - #240) 18’- 6” from plaster line
 (6) 20A (#241 - #246) 24’- 8” from plaster line
 (1) 50A (#305) 34’- 0” from plaster line
 (2) DMX outputs

Stage Right: (6) 20A (#247 - #252) 6’- 4” from plaster line
 (6) 20A (#253 - #258) 14’- 0” from plaster line
 (6) 20A (#259 - #264) 18’- 6” from plaster line
 (6) 20A (#265 - #270) 24’- 8” from plaster line
 (1) 50A (#306) 34’- 0” from plaster line
 (2) DMX outputs

Stage Level:

Outlet boxes are surface mounted with flush mount pin plug receptacles.

Stage Left: (6) 20A (#271 - #276) Stage Right: (6) 20A (#283 - #288)
 (6) 20A (#277 - #282) (6) 20A (#289 - #294)
 (4) DMX outputs (4) DMX outputs

Orchestra Pit:

Outlet boxes are surface mounted with flush mount pin plug receptacles.

(6) 20A (#295 - #300)
 (1) DMX output

STAGE LIGHTING FIXTURES:

- (24) ETC Source Four 10° on balcony rail
- (9) ETC Source Four 19° on each box boom and (15) on each lighting Perch, all with HPL/750-115x lamp.
- (6) ETC Source Four 19° Loose inventory
- (42) ETC Source Four 26°
- (72) ETC Source Four 36°
- (20) ETC Source Four 50°
- (12) ETC Source Four Par w/HPL/750-115x
- (24) ETC Source Four ParNel w/HPL/750-115x
- (8) Altman 8” Fresnel 1k
- (8) Altman Sky-Cyc 3-cell 1k
- (8) Altman GC-6 ground row 3-circuit 500w.

Note: All ETC have HPL/575-115x lamp unless noted.

Follow Spots: (2) Lycian #1290 XLT Long Throw with 2k Xenon lamp

- (8) 14’ Pipe and 75lb. boom base

COMPANY SWITCHES:

Each company switch has a 100% rated breaker, cam-lok connectors and a lug connection area.

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|----------------------------------|--|
| (1) 400A Stage machinery | Upstage wall, stage left |
| (1) 100A Sound (isolated ground) | Down Stage left |
| (2) 400A Stage lighting | Stage right scenery dock |
| (2) 400A Stage lighting | Stage right fly floor (in parallel with stage level stage lighting company switches) |
| (1) 400A Stage machinery | Stage right fly floor |

SOUND SYSTEM:

FOH and Monitor Equipment

- (1) Soundcraft Vi 3000 48 X 16 Mixing Console
- (2) Furman PL8 Power/Light Units
- (6) EAW SM155HI Passive 15” w/horn monitor ((2) mixes from house console)
- (1) Sennheiser Infrared Listening System w/ 4-emitter panels
- (72) Mic lines to FOH...(24) from SL, (24) from SR, (24) from orchestra pit

SPEAKER SYSTEM

- (18) JBL VerTec 4888DP self powered 3-way Stereo Line Array Speakers (9 per side) Concert System
- (3) Clair Bros Cat-2 3-way compact line array Full Range Mono Center Cluster
- (4) EAW JF80 passive 2-way Front Fills
- (8) Clair Bros CS-18 SubBass Speakers (Portable – used as needed)
- (6) Clair Bros. UB2003 Under Balcony Speakers

All powered by CBX-700, 900 and 1100 power amps

MISC. EQUIPMENT

Miscellaneous SHURE, AKG and SENNHEISER Microphones as needed.

Also (4) channels of Shure ULXP wireless, (4) handhelds and (4) B3 Lavs.

Miscellaneous Mic Stands, Booms, Cables and Sub-Snakes as needed.

1 Dressing Room Monitor and Call System

1 Infrared Video Distribution System (1-Camera on balcony rail & 1-Stage Left)

CLEAR-COM SYSTEM

- (2) RCS-2000 Assignment Units
- (1) CS-210 Power Supply
- (10) CC-95 Single Muff Headsets with RS-501 Beltpack

DRESSING ROOMS:

Stage Level:

- (2) 2 person (Star), each with toilet and shower

Basement Level (Under Stage):

- (2) 12 person (Chorus), each with (2) toilets and (2) showers
- (2) 4 person (Principal), each with toilet and shower

Wardrobe Room with (2) washers and (2) dryers, (2) steamers, irons and ironing boards.

Production Office:

- (2) Telephone lines
- (1) Plain paper fax machine

Phone Line Numbers are as follows:

- Port 011A – 717-505-3100
- Port 011B – 717-505-3098
- Port 011C – 717-505-3099

ORCHESTRA PIT COVER:

Wenger pit cover manual install and remove. Set at stage level, or out for orchestra. (We do not seat the pit cover)