

Technical Information

STAGE SPECIFICATIONS/LINESET

For



Updated July 2022

Stage Specifications

Stage Floor

Wood stage floor consisting of $\frac{1}{4}$ " masonite surface, painted black over two layers of staggered plywood ($\frac{7}{8}$ " and $\frac{3}{4}$ ") 2"x4" sleepers and neoprene pads.

- Any damage to the floor incurred by production requirements must be restored.
- The maximum lag depth into stage floor is 1.5".

Stage dimensions:

For reference:

Plaster line= upstage edge of proscenium.

Proscenium edge= onstage edge of permanent speaker stack enclosures at both sides of the proscenium opening.

Proscenium: Height 29' 10" Width 53'

Stage width: Total: 97' 11"

On stage right (centerline to SR locking rail) 46' 2"

Wing space right (proscenium edge to SR locking rail) 19' 6"

On stage left (centerline to SL wall) 51' 9"

Wing space left (proscenium edge to SL wall)

25'1"

Fly space (between left and right pin rail catwalks)

85' 5"

Stage depth: Total (plaster line to upstage wall) 44'5"

Clear depth (plaster line to upstage crossover

catwalk) 42' 1"

Last Lineset (from plaster line) 38' 4"

Black fiber Optic/ Black Out Drape is hung from truss and

motors at @ 40'

From Plaster line

Apron (plaster line to down stage edge center) 2'

Small Forestage (plaster line to DS edge of forestage lift #1) 14' 8"

Large Forestage (plaster line to DS edge of forestage lift #2) 27'

Main Curtain (distance from plaster line) 1'

Elevations:

Grid Height 75'

Batten Travel 68'

Pipe Low Trim 3'9"

Stage height from orchestra floor 3' 8"

Distance from plaster line to house mix position 65'

Loading Bridge 71'

Orchestra Pit

The orchestra pit is a GALA spiral jack lift that is equipped with removable seat wagons. There are two orchestra pit configurations. Small orchestra pit can accommodate approximately 15-25

musicians depending of instrumentation. Large orchestra pit can accommodate approximately 30-60 musicians depending on instrumentation.

Fly System Specifications

The fly system is a single purchase counterweight design. There are 70 line sets on 6" centers. The operating side is from stage right, locking rail is located at stage level. There are two loading bridges one at 35' and one at 71'. Most of the counter weight is located on the upper loading bridge. Total weight in house is 45,000 pounds. There are two orchestra ceiling shells that fold vertical for storage. There is no lineset on either side of the shells because of obstruction. *These shells are permanently installed and cannot be removed.* Any questions involving the fly system, draperies, or acceptable rigging practices should be directed to the Head Flyman, Kyle Gray KGray@rivercenter.org

System Specs:

Number of line sets 70

Maximum weight per arbor 1890 pounds

Batten length 63'

Batten travel from deck 69'

Grid

Grid is clear of any obstructions

Spans entire width and depth of stage between pin rails

Total Capacity of Grid is 130,000 pounds evenly distributed

All loft blocks are under hung and due to space limitations cannot be kicked

Spot Lines

11 spot lines are installed SR and SL with pin rail at mid-bridge level.

An assortment of spot line blocks, hardware, and rope are available for additional spot lines. Contact Technical Director for information

Chain Motors

4 CM lodestar 1-ton motors

4 50' motor control cables

4 100' motor control cables

1 Motion Labs power distribution and control system located at the SR mid-bridge can control up to 8 motors

Stage Draperies

House curtain:

Bi-parting or guillotine type with traveler track. Operated manually from stage right.

House goods:

Description	Quantity	Height	Width
Black Velour Legs	6 pairs	32'	12'
Black Velour Borders	6	5'	60'
Tall Black Velour Border	1	12'	60'
Black Traveler	1	32'	60'
Full Stage Black	2	32'	60'
Black Scrim	1	32'	60'
White Scrim	1	32'	60'
White Cyc	1	32'	60'

Miscellaneous Staging needs

Portable Staging

12 4'x8' Stage Right Platforms with grey carpet on one side and a hard black surface on the other.

8", 16" and 24" leg heights are available

Chair rail and black skirting are available

Chairs, Stands, and Lights

Wenger Orchestra Chairs, Music Stands, and music stand lights are available via the Columbus Symphony Orchestra. Contact Technical Director for more information.

Pipe and Drape

8 bases

8 8' uprights

8 adjustable horizontal drape supports

28 8'x4' black commando cloth drapes

Lift

1 Genie AWP-40s personal man lift is available. All Outriggers must be in place at all times.

Fly System

Lineset #	Distance F/ Plaster	Rep Hang	Notes
1	1"	Border #1	
2	7"	Main Curtain *	Red - Splits Center
3	1' 1"		
4	1' 7"		
5	2' 1"		
6	2' 7"	1st ELEC *	Fixed w/ Raceway
7	3' 1"		
8	3' 7"		
9	4' 1"	Border #2	
10	4' 7"	Legs #1	
11	5' 7"	Orchestra Shell #1 *	
12	6' 7"		
13	7' 1"	2nd ELEC	
14	7' 7"		
15	8' 1"		
16	8' 7"		
17	9' 1"	Border #3	
18	9' 7"	SL Leg	
19	10' 1"	SR Leg	
20	10' 7"		
21	11' 1"		
22	11' 7"	3rd ELEC	
23	12' 1"		
24	12' 7"		
25	13' 1"		
26	14' 1"		
27	14' 7"		
28	15' 1"	Border #4	
29	15' 7"	Legs #3	
30	16' 7"	Orchestra Shell #2 *	
31	17' 7"		
32	18' 1"	4th ELEC	
33	18' 7"		
34	19' 1"		
35	19' 7"		
36	20' 1"	Full Stage Black	
37	20' 7"	Legs #4	
38	21' 1"		
39	21' 7"		
40	22' 1"		
41	22' 7"		
42	23' 1"		
43	23' 7"	5th ELEC	
44	24' 1"		
45	24' 7"		
46	25' 1"		
47	25' 7"		
48	26' 1"		
49	26' 7"		
50	27' 1"	Border #5	
51	28' 7"	Legs #5	
52	29' 1"		
53	29' 7"	BLK Traveler *	
54	30' 1"		
55	30' 7"		
56	31' 1"		
57	31' 7"		
58	32' 1"		
59	32' 7"	CYC ELEC	
60	33' 1"		
61	33' 7"		
62	34' 1"		
63	34' 7"	Legs #6	
64	35' 1"		
65	35' 7"		
66	36' 1"	Black Scrim	
67	36' 7"	Shimmer Scrim	
68	37' 1"	White Scrim	
69	37' 7"		
70	38' 1"	CYC	

Goods marked with * are Permenant Installations and can not be moved.

Due to 6" centers, electricis may make two (2) linesets upstage and one (1) lineset downstage inoperable

Maximum Arbor Capacity:	1890 lbs.
Batten Travel	68'
Batten Length	63'
Pipe Low Trim	3' 9"

Main Curtain and Black Traveler can travel or guillotine

***** Items in **BOLD** are permanent installations and cannot be removed
Due to space limitations of 6" centers, **Line Sets Cannot Be Kicked** *****