

CARLSON FAMILY STAGE TECHNICAL & PRODUCTION SPECS

Last Updated Jul 1, 2019

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CONTACTS

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Surdyk's Event Coordinator

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Motorist Assistance

Program (MAP)

612-626-7275

Campus Security Monitor

Escort Service

612-624-WALK

University Parking and Transportation Services

612-626-7275 umn.edu/pts parking@umn.edu

SEATING

Carlson Family Stage at Northrop can seat a maximum total of 2,706 people.

Orchestra (G)	744 fixed (10 wheelchair) + 16 loose	760 seats
Orchestra Circle (1)	386 fixed (0 wheelchair) + 14 loose	400 seats
Presidents Circle (2)	357 fixed (O possible wheelchair) + 46 loose	403 seats
Scholars Circle (3)	433 fixed (2 possible wheelchair*) + 46 loose	481 seats
Gallery Circle (4)	622 fixed (2 possible wheelchair*) + 28 loose	652 seats

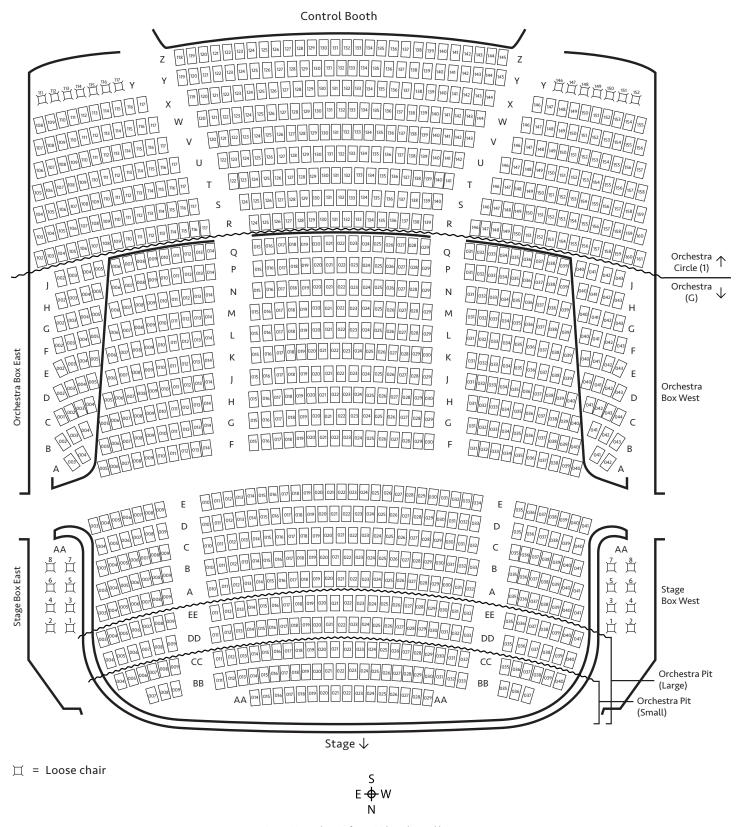
^{*}Two wheelchair seats or two loose seats can be removed to accommodate one wheelchair.

The following features would require seats to be removed from the Orchestra Level:

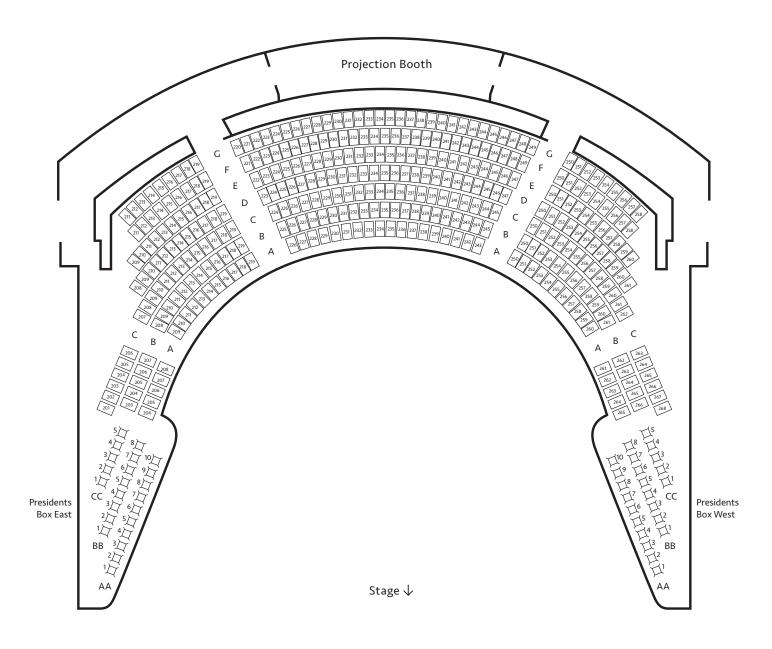
Orchestra Pit (Large/Full)	Accommodates up to 68 musicians	150 seats
Orchestra Pit (Small)	Accommodates up to 36 musicians	79 seats
Mixing/Sound Position		30-40 seats

Mix Position seating will need to be removed before or during Load In labor calls. Approximate time to remove is 45 minutes with 4 stagehands.

ORCHESTRA (G) & ORCHESTRA CIRCLE (1)

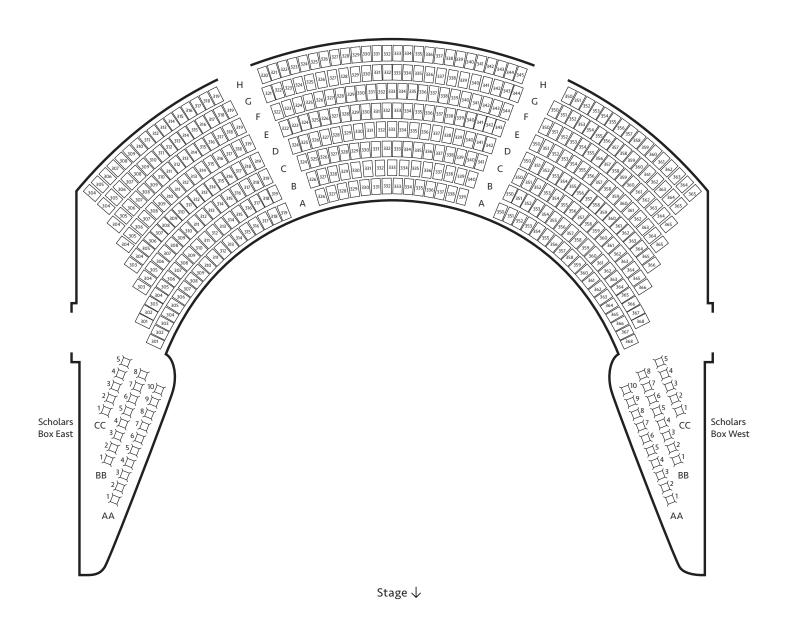


PRESIDENTS CIRCLE (2)



☐ = Loose chair

SCHOLARS CIRCLE (3)

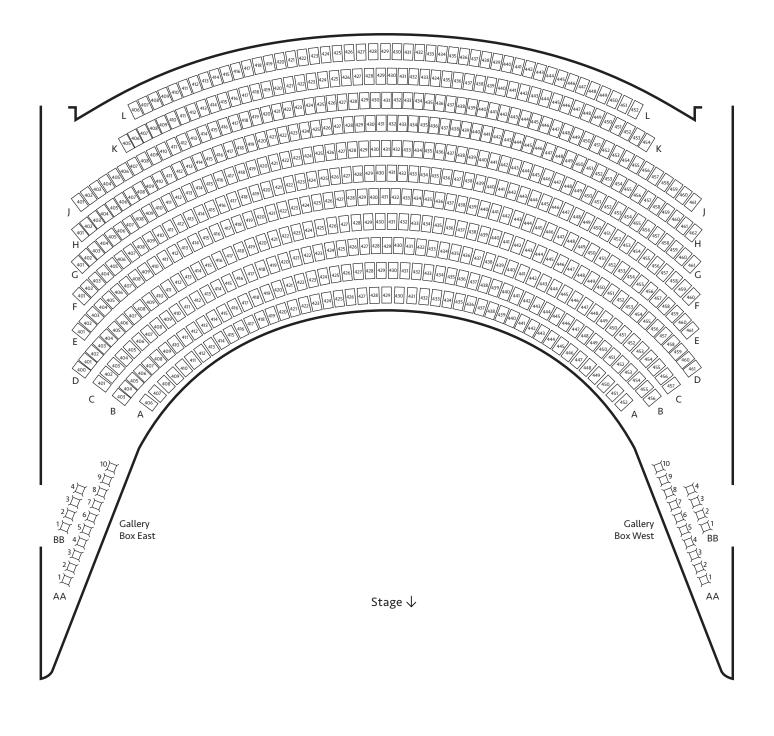


☐ = Loose chair

S
E → V

GALLERY CIRCLE (4)

☐ = Loose chair

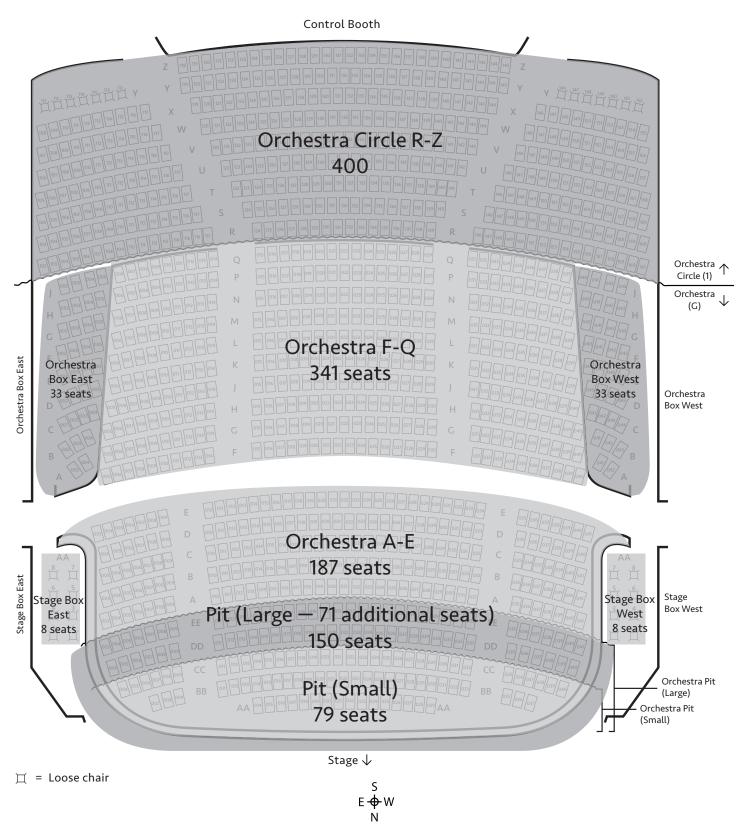


Row L of Gallery Circle is best for patrons 5 foot 6 inches or taller for the best possible viewing experience. Seat bottoms in Row L are thicker to maintain sightlines.

E -**Φ**-W

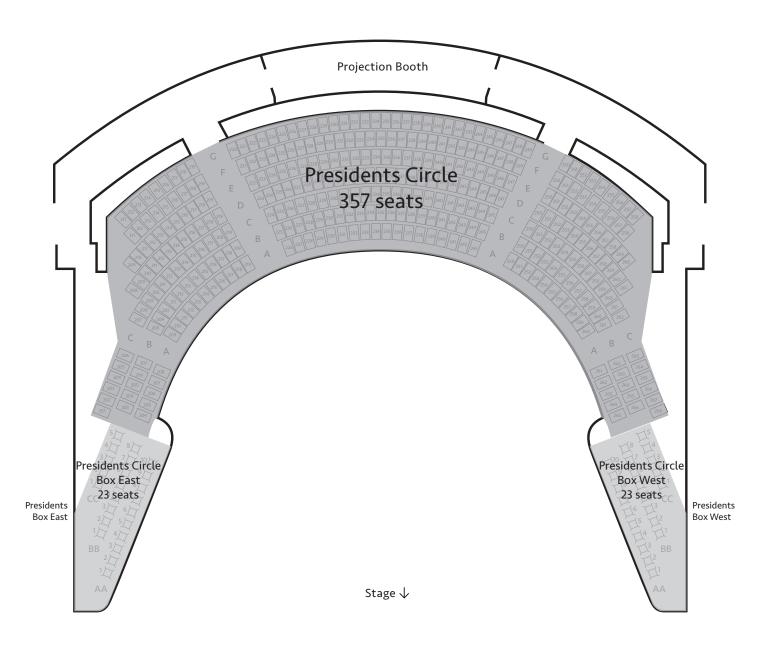
ORCHESTRA (G) & ORCHESTRA CIRCLE (1)

Total Capacity: 1,160 seats



PRESIDENTS CIRCLE (2)

Total Capacity: 403 seats

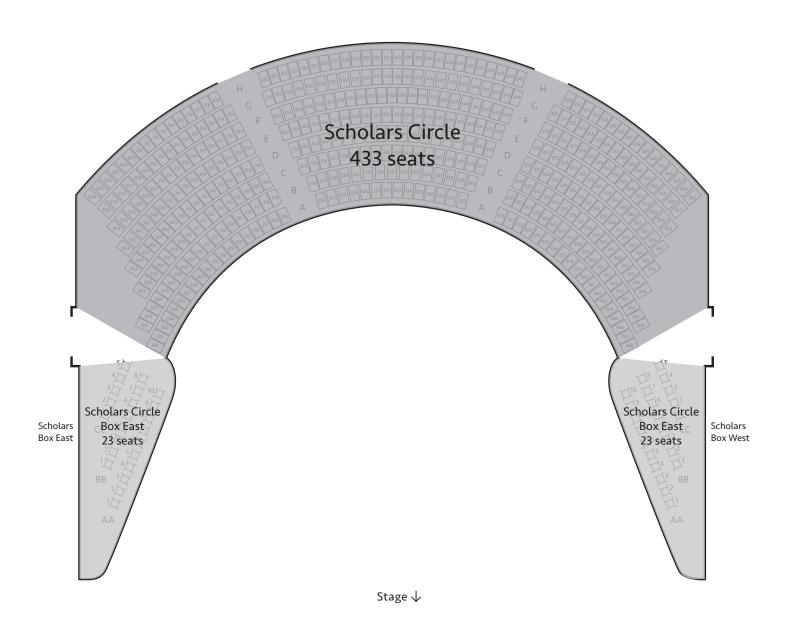


☐ = Loose chair



SCHOLARS CIRCLE (3)

Total Capacity: 479 seats

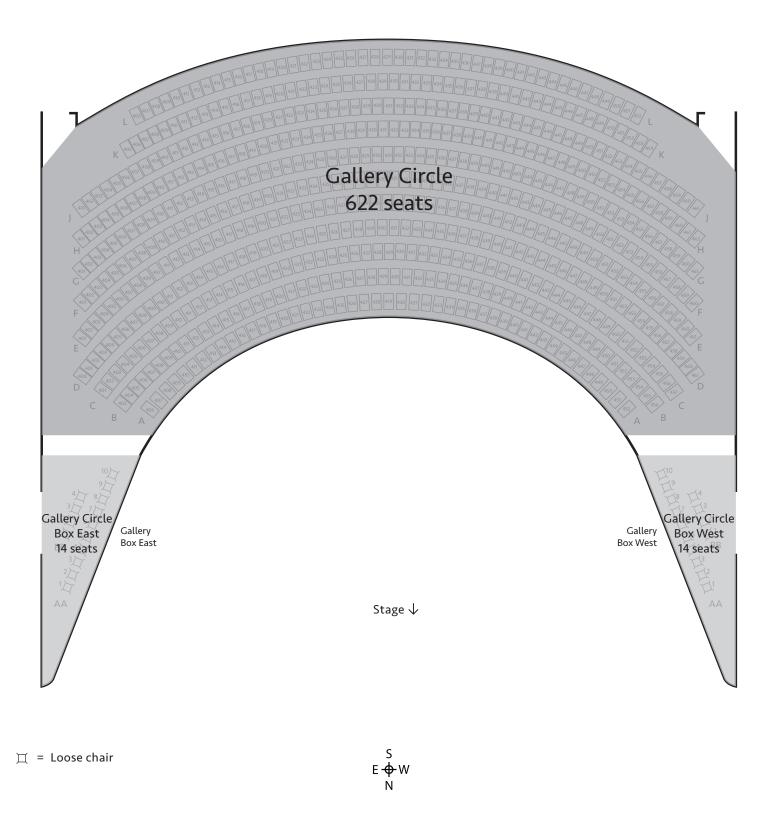


☐ = Loose chair

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N

GALLERY CIRCLE (4)

Total Capacity: 650 seats



STAGE SPECIFICATIONS

STAGE & PROSCENIUM

Stage Depth (Plaster line to back wall)	39'6"	12.0 m
Additional Upstage Deadhang Space	17'3"	5.3 m
Stage Width (Loading door to locking rail)	97'	29.6 m
Proscenium Width	60'	18.3 m
Proscenium Height (Maximum)	43'5"	13.2 m
Proscenium Height (Minimum)	33'5"	10.2 m

ORCHESTRA PIT

(Small)

Length	68'	20.7 m
Width on Center	16'2"	4.9 m
Width at Ends	10'11"	3.3 m
Pit Floor to Stage	7'9"	2.4 m
Square Footage	971'	296.0 m

ORCHESTRA PIT

(Large)

Length	72'3"	22.0 m
Width on Center	22'8"	6.9 m
Width at Ends	17'8"	5.4 m
Pit Floor to Stage	7'9"	2.4 m
Square Footage	1,430'	435.9 m

LOADING DOCK

Truck Access

2 bays with levelers & seals at stage level
(Nominal 40' travel distance to stage door, 90' to center of stage)

Stage Loading Door 10' (3.0 m) Width 20' (6.1 m) Height

BACKSTAGE SPECIFICATIONS

DANCE FLOOR

(for Stage and Rehearsal Room)

Harlequin Liberty Latchloc Sprung Floor System

Harlequin Reversible Marley Floor

PODIUMS

Large

41" h, 56" w, 24.5" d (104 cm h, 142 cm w, 62 cm d)

Small

45" h, 26.5" w, 21" d (114 cm h, 67 cm w, 53 cm d)

PIANOS

Essex Upright 1

Steinway Grand

Model D

1

LAUNDRY

Washers 2

Dryers 2

Garment Racks 12

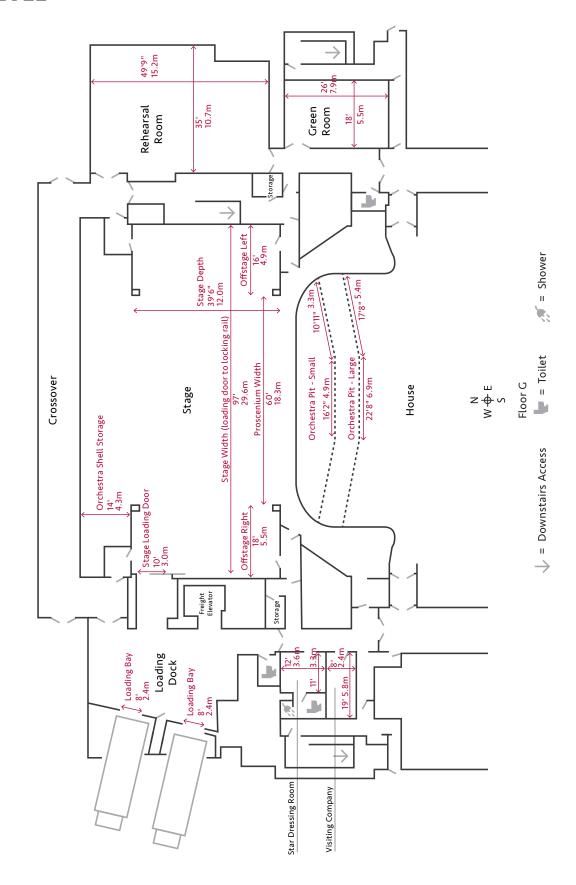
Steamers 2

Irons 4

Ironing Boards 4

NORTHROP BACKSTAGE

GROUND LEVEL



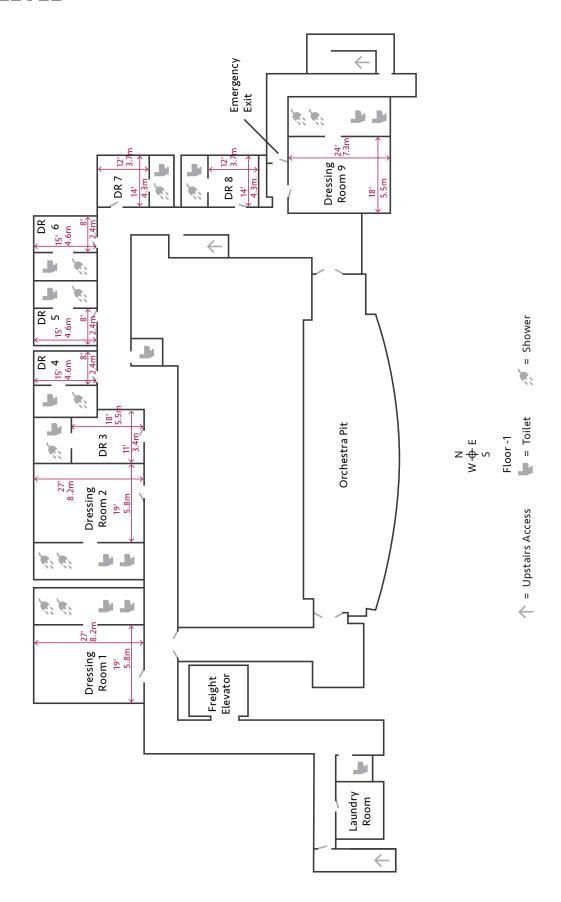
BACKSTAGE ARTIST FACILITIES

GROUND LEVEL

GROOND LEVEL	Dimensions			
Rehearsal Room	49'9" x 35'	15.2 m x 10.7 m		
Green Room	26' x 18'	7.9 m x 5.5 m	Makeup Stations	Showers
Star Dressing Room	12' x 11'	3.7 m x 3.4 m	1	1
LOWER LEVEL				
Dressing Rooms				
1	27' x 19'	8.2 m x 5.8 m	18	2
2	27' x 19'	8.2 m x 5.8 m	19	2
3	18' x 11'	5.5 m x 3.4 m	1	1
4	15' x 8'	4.6 m x 2.4 m	4	1
5	15' x 8'	4.6 m x 2.4 m	4	1
6	15' x 8'	4.6 m x 2.4 m	4	1
7	14' x 12'	4.3 m x 3.7 m	2	1
8	14' x 12'	4.3 m x 3.7 m	2	1
9	24' x 18'	7.3 m x 5.5 m	18	2

NORTHROP BACKSTAGE

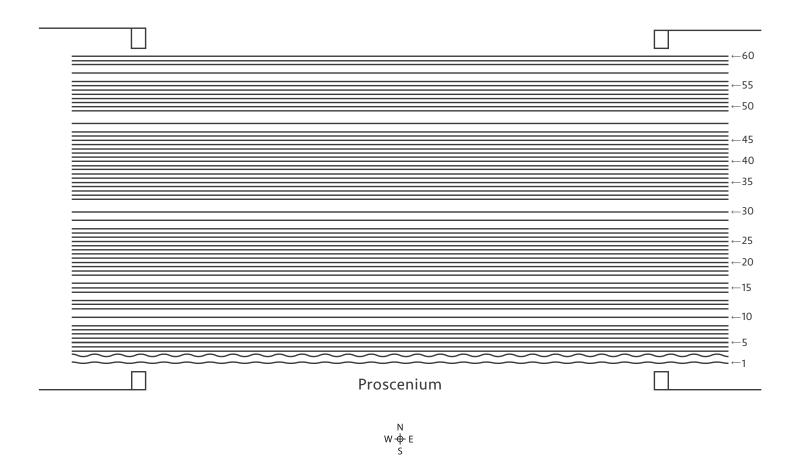
LOWER LEVEL



LINESET SCHEDULE

Section Sect		40'	12.19 m	Back Wall	26	17'4"	5.28 m	
58 37'10" 11.63 m 23 15'10" 4.82 m 57 36'10" 11.22 m 22 15'4" 4.67 m 56 35'10" 10.92 m 21 14'10" 4.52 m 55 35'4" 10.76 m 20 14'4" 4.36 m 54 34'10" 10.61 m 19 13'10" 4.21 m 53 34'4" 10.46 m 18 13'4" 4.06 m 52 33'10" 10.31 m 17 12'10" 3.91 m 51 33'4" 10.16 m 16 11'10" 3.60 m 50 32'10" 10.00 m 15 11'4" 3.45 m 49 32'4" 9.85 m 14 10'10" 3.30 m 48 30'10" 9.39 m Orch. Ceiling N/A 13 9'10" 2.99 m 47 29'10" 9.09 m 12 9'4" 2.84 m 45 28'10" 8.78 m 10 7'10" 2.38 m Orch. Ceiling N/A 44 28'4" 8.63 m 9 6'10"	60	38'10"	11.83 m		25	16'10"	5.13 m	
12	59	38'4"	11.68 m		24	16'4"	4.97 m	
21	58	37'10"	11.63 m		23	15'10"	4.82 m	
10.76 m	57	36'10"	11.22 m		22	15'4"	4.67 m	
54 34'10" 10.61 m 19 13'10" 4.21 m 53 34'4" 10.46 m 18 13'4" 4.06 m 52 33'10" 10.31 m 17 12'10" 3.91 m 51 33'4" 10.16 m 16 11'10" 3.60 m 50 32'10" 10.00 m 15 11'4" 3.45 m 49 32'4" 9.85 m 14 10'10" 3.30 m 48 30'10" 9.39 m Orch. Ceiling N/A 13 9'10" 2.99 m 47 29'10" 9.09 m 12 9'4" 2.84 m 46 29'4" 8.94 m 11 8'10" 2.69 m 45 28'10" 8.78 m 10 7'10" 2.38 m Orch. Ceiling N/A 44 28'4" 8.63 m 9 6'10" 2.08 m 43 27'10" 8.48 m 8 6'4" 1.93 m 42 27'4" 8.33 m 7 5'10" 1.77 m 41 26'10" 8.17 m 6 5'4" 1.63 m	56	35'10"	10.92 m		21	14'10"	4.52 m	
18	55	35'4"	10.76 m		20	14'4"	4.36 m	
17 12'10" 3.91 m 10.31 m 16 11'10" 3.60 m 15 33'4" 10.16 m 16 11'10" 3.60 m 15 11'4" 3.45 m 49 32'4" 9.85 m 14 10'10" 3.30 m 48 30'10" 9.39 m Orch. Ceiling N/A 13 9'10" 2.99 m 47 29'10" 9.09 m 12 9'4" 2.84 m 46 29'4" 8.94 m 11 8'10" 2.69 m 45 28'10" 8.78 m 10 7'10" 2.38 m Orch. Ceiling N/A 44 28'4" 8.63 m 9 6'10" 2.08 m 43 27'10" 8.48 m 8 6'4" 1.93 m 42 27'4" 8.33 m 7 5'10" 1.63 m 40 26'4" 8.02 m 5 4'10" 1.47 m 41 26'10" 8.17 m 4 4'4" 1.32 m 4 4'4" 1.32 m 3'10" 1.16 m 1st G.P. Lineset (limited use) 37 24'10" 7.56 m 3 3'10" 1.16 m 1st G.P. Lineset (limited use) 37 24'10" 7.26 m 2 3'4" 1.01 m Main Curtain 36 24'4" 7.11 m 0 0' 0 m Plaster Line 37 22'10" 6.65 m 32 22'4" 6.80 m Projection screen (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 4 4'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	54	34'10"	10.61 m		19	13'10"	4.21 m	
16	53	34'4"	10.46 m		18	13'4"	4.06 m	
15	52	33'10"	10.31 m		17	12'10"	3.91 m	
14	51	33'4"	10.16 m		16	11'10"	3.60 m	
30'10" 9.39 m Orch. Ceiling N/A 13 9'10" 2.99 m	50	32'10"	10.00 m		15	11'4"	3.45 m	
12 9'4" 2.84 m	49	32'4"	9.85 m		14	10'10"	3.30 m	
11	48	30'10"	9.39 m	Orch. Ceiling N/A	13	9'10"	2.99 m	
10	47	29'10"	9.09 m		12	9'4"	2.84 m	
44 28'4" 8.63 m 9 6'10" 2.08 m 43 27'10" 8.48 m 8 6'4" 1.93 m 42 27'4" 8.33 m 7 5'10" 1.77 m 41 26'10" 8.17 m 6 5'4" 1.63 m 40 26'4" 8.02 m 5 4'10" 1.47 m 39 25'10" 7.87 m 4 4'4" 1.32 m 38 25'4" 7.72 m 3 3'10" 1.16 m 1st G.P. Lineset (limited use) 37 24'10" 7.56 m 2 3'4" 1.01 m Main Curtain 36 24'4" 7.41 m Mid Stage Traveler N/A 1 2'4" 0.71 m Teaser 35 23'10" 7.26 m Fire Curtain 34 23'4" 7.11 m 0 0" 0 m Plaster Line 33 22'10" 6.95 m Screen surround (moveable) 8 60' (18.3 m) High Trim 68'7" (20.9 m) 30 20'4" 5.58 m Arbor Cap 2,070 lbs (939 kg) <td>46</td> <td>29'4"</td> <td>8.94 m</td> <td></td> <td>11</td> <td>8'10"</td> <td>2.69 m</td> <td></td>	46	29'4"	8.94 m		11	8'10"	2.69 m	
27'10" 8.48 m 8 6'4" 1.93 m	45	28'10"	8.78 m		10	7'10"	2.38 m	Orch. Ceiling N/A
27'4" 8.33 m	44	28'4"	8.63 m		9	6'10"	2.08 m	
41 26'10" 8.17 m 40 26'4" 8.02 m 5 4'10" 1.47 m 39 25'10" 7.87 m 4 4'4" 1.32 m 38 25'4" 7.72 m 3 3'10" 1.16 m 1st G.P. Lineset (limited use) 37 24'10" 7.56 m 2 3'4" 1.01 m 36 24'4" 7.41 m 37 34'4" 7.41 m 38 23'10" 7.26 m 39 23'10" 7.26 m 30 23'4" 7.11 m 31 22'10" 6.95 m 32 22'4" 6.80 m 33 22'10" 6.65 m 34 23'4" 7.11 m 40 0' 0' 0 m 41 Plaster Line 41 21'10" 6.65 m 42 22'4" 6.80 m 43 22'10" 6.95 m 44 4'4" 1.32 m 45 G.P. Lineset (limited use) 46 G.P. Lineset (limited use) 47 0.71 m 48 G.P. Lineset (limited use) 48 18'4" 7.11 m 49 0' 0' 0 m 49 Plaster Line 49 Proscenium Opening 40 (18.3 m) 40 Proscenium Opening 40 (18.3 m) 41 Proscenium Opening 40 (18.3 m) 41 Proscenium Opening 41 (20.9 m) 42 18'4" 5.58 m 41 Proscenium Opening 42 (20.9 m) 43 (20.9 m) 44 Proscenium Opening 45 (20.9 m) 46 (20.9 m) 47 (20.9 m) 48 (20.9 m)	43	27'10"	8.48 m		8	6'4"	1.93 m	
Solution Solution	42	27'4"	8.33 m		7	5'10"	1.77 m	
39	41	26'10"	8.17 m		6	5'4"	1.63 m	
38	40	26'4"	8.02 m		5	4'10"	1.47 m	
37 24'10" 7.56 m 2 3'4" 1.01 m Main Curtain 36 24'4" 7.41 m Mid Stage Traveler N/A 1 2'4" 0.71 m Teaser 35 23'10" 7.26 m Fire Curtain 34 23'4" 7.11 m 0 0" 0 m Plaster Line 33 22'10" 6.95 m Screen surround (moveable) 31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	39	25'10"	7.87 m		4	4'4"	1.32 m	
36 24'4" 7.41 m Mid Stage Traveler N/A 1 2'4" 0.71 m Teaser 35 23'10" 7.26 m Fire Curtain 34 23'4" 7.11 m 0 0' 0 m Plaster Line 33 22'10" 6.95 m Screen surround (moveable) 31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	38	25'4"	7.72 m		3	3'10"	1.16 m	1st G.P. Lineset (limited use)
35 23'10" 7.26 m Fire Curtain	37	24'10"	7.56 m		2	3'4"	1.01 m	Main Curtain
34 23'4" 7.11 m 0 0' 0 m Plaster Line 33 22'10" 6.95 m 0 0' 0 m Plaster Line 32 22'4" 6.80 m Projection screen (moveable) 31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	36	24'4"	7.41 m	Mid Stage Traveler N/A	1	2'4"	0.71 m	Teaser
32 22'4" 6.80 m Projection screen (moveable) 31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	35	23'10"	7.26 m					Fire Curtain
32 22'4" 6.80 m Projection screen (moveable) 31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	34	23'4"	7.11 m		0	0'	0 m	Plaster Line
31 21'10" 6.65 m Screen surround (moveable) 30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	33	22'10"	6.95 m					
30 20'4" 6.19 m Proscenium Opening 60' (18.3 m) 29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	32	22'4"	6.80 m	Projection screen (moveable)				
29 19'4" 5.89 m Orch. Ceiling N/A High Trim 68'7" (20.9 m) 28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	31	21'10"	6.65 m	Screen surround (moveable)				
28 18'4" 5.58 m Arbor Cap 2,070 lbs (939 kg)	30	20'4"	6.19 m		Prosc	enium Op	ening	60' (18.3 m)
7,000	29	19'4"	5.89 m	Orch. Ceiling N/A	High	Trim		68'7" (20.9 m)
27 17'10" 5.43 m Pipe Length 78' (23.7 m)	28	18'4"	5.58 m		Arbo	r Cap		2,070 lbs (939 kg)
	27	17'10"	5.43 m		Pipe	Length		78' (23.7 m)

LINESET SCHEDULE



SOFT GOODS

	QUANTITY	WIDTH x HEIGHT	
House Curtain (Maroon)	1 pair	40' x 33'2"	12.2 m x 10.1 m
Valance (Maroon)	1	78' x 26'2"	23.8 m x 8.0 m
Legs	5 pairs	20' x 30'	6.1 m x 9.1 m
Borders	6	78' x 12'	23.8 m x 3.7 m
Scrim (Black & White)	2	78' x 25'	23.8 m x 7.6 m
Mid-Stage Traveler	1 pair	78' x 24'5"	23.8 m x 7.4 m
Side Tabs (Stage Right)	4	12' x 20'	3.7 m x 6.1 m
Side Tabs (Stage Left)	4	12' x 30'	3.7 m x 9.1 m
Plastic Cyc	1	78' x 25'	23.8 m x 7.6 m
Fabric Cyc	1	78' x 25'	23.8 m x 7.6 m
Full Blackout	1	78' x 30'	23.8 m x 9.1 m
Split Blackout	1	78' x 30'	23.8 m x 9.1 m

RIGGING

Battens 58 (Ladder battens)

Batten Length 78' 23.77 m

In Trim 3'10" 1.17 m

Out Trim 68'7" 20.90 m

Batten Locations 75 (17 obstructed/not installed)

Clearance between

Battens 6" 0.15 m

Lineset Live Capacity 2,070 lbs 938.94 kg

Grid Height 71' 21.64 m

(From Stage)

Rear stage allows for dead hang rigging from 6 rigging beams 10' (3.05 m) on center. Rear stage rigging height is 32'(9.75 m) and depth of 14' (4.3 m).

PROSCENIUM ARCH

There are 25 rigging points, each 35-38.5 inches (88.9-97.8 cm) apart.



Photo by Patrick O'Leary

DISCONNECTS

Upstage Left200 amp(isolated ground)208 volt

3 phase

Upstage Right 200 amp

208 volt 3 phase

Downstage Right 400 amp

208 volt 3 phase

Downstage Right 400 amp

208 volt 3 phase

Stage Left Gallery 200 amp

208 volt 3 phase

Rehearsal Room 200 amp

208 volt 3 phase

Loading Dock 100 amp

(shore power isolated ground) $208 \ volt$

3 phase

Loading Dock 100 amp

(shore power isolated ground) $208 \ volt$

3 phase

Upper Forestage Grid

(isolated ground)

100 amp 208 volt 3 phase

Upper Forestage Grid 100 amp

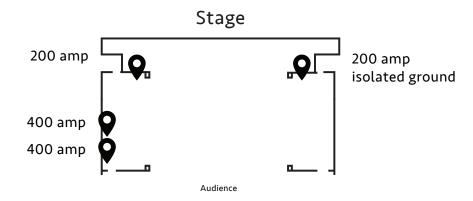
208 volt

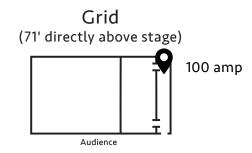
3 phase

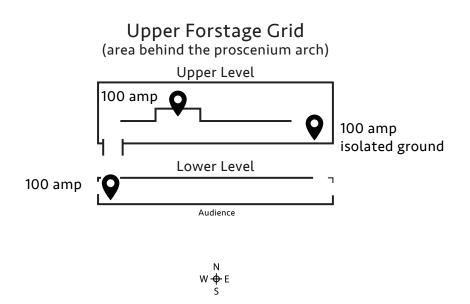
Grid 100 amp

208 volt 3 phase

DISCONNECT LOCATIONS

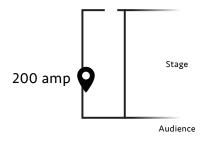




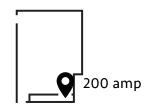


DISCONNECT LOCATIONS

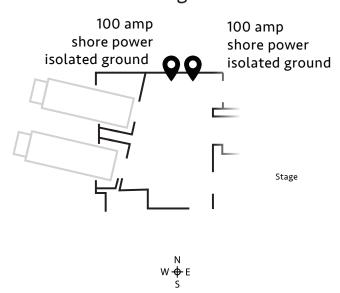
Stage Right Gallery (above stage right)



Rehearsal Room



Loading Dock



LIGHTING

CONSOLE

ETC Eos Ti – 4000 Channel (Capable of Mid-House Tech Table)

CONTROL/DMX

ETC Net3

12 – Two Port Gateways (DMX in or out) In-House Power on Universes 1 and 2

DIMMERS

(ETC Sensor)

Туре	Quantity
2.4k Performance	506
6.0k Performance	16
120v Non-Dim	48
208v Non-Dim	48

LIGHTING INVENTORY

TYPE Some additional Source Four barrels available upo	QUANTITY
Source Four 5° 750 Watt	36
Source Four 10° 750 Watt	36
Source Four 14° 750 Watt	6
Source Four 19° 750 Watt	84
Source Four 26° 750 Watt	92
Source Four 36° 750 Watt	82
Source Four 50° 750 Watt	27
Source Four PAR 575 Watt	8
Birdies	12
Cyc Lights, 1 cell (Focusing, 1000 or 1500 watts)	16
Cyc Lights, 3 cell (Aurora, 1000 watts per cell)	14
Ground Row, 3 cell (Aurora, 1000 watts per cell)	12
8" Selecon Fresnel 2KW	42
PAR 64 1k (75 lamps each of VNSP, NSP, MFL, and WFL)	80
MAC Encore Performance, CLD (Hung on Mid Balcony Rail)	2
Followspots (3K Lycian)	4

ACCESSORIES

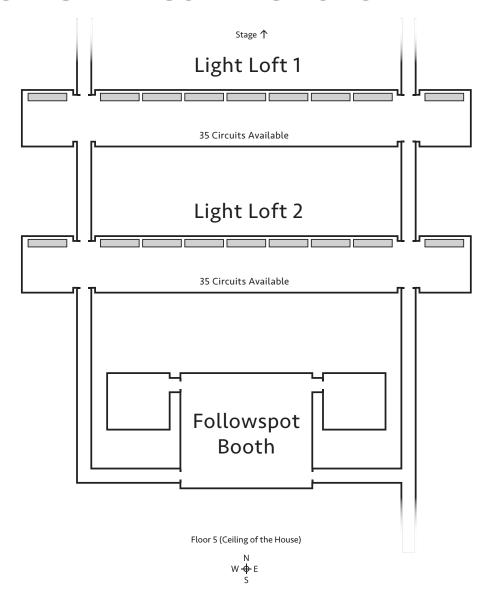
Top Hats, half hats, barn doors, drop-in irises, and donuts available upon request.

BOOMS

10 - 10ft threaded schedule 40 pipe with base

10 - 20ft threaded schedule 40 pipe with base and top pick

STAGE PIN CONNECTIONS



PRESIDENTS CIRCLE BALCONY (2)

18 circuits available

SCHOLARS CIRCLE BALCONY (3)

18 circuits available

GALLERY CIRCLE BALCONY (4)

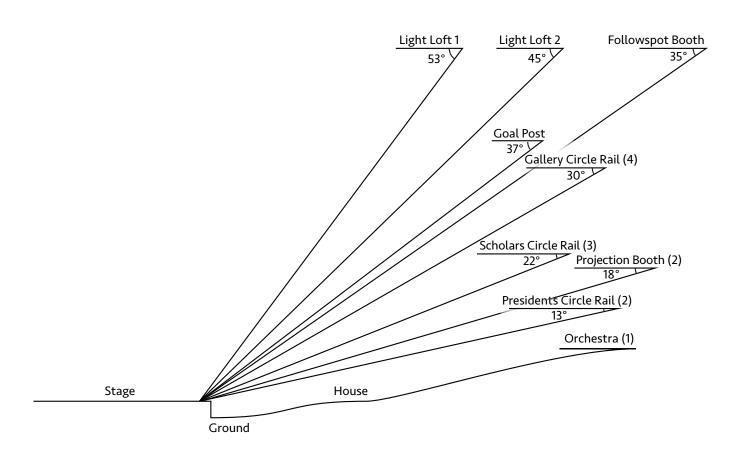
18 circuits available

12 circuits per Goal Post

LIGHTING ANGLES & DISTANCE TO STAGE

DISTANCE TO STAGE

Light Loft 1	98'	29.9 m
Light Loft 2	113'	34.4 m
Spot Booth	138'	42.0 m
Goal Post (4)	82'	25.0 m
Gallery Circle Rail (4)	104'	31.7 m
Scholars Circle Rail (3)	89'	27.1 m
Presidents Circle Rail (2)	84'	25.6 m
Projection Booth (2)	107′	32.61 m



SOUND

FRONT OF HOUSE SOUND CONSOLE

Digico SD9

LOUDSPEAKER SYSTEM

Туре	Quantity
JBL Vertec 4888	18 (9 down per side)
JBL Vertec 4880 Subs	8 (4 per side, on ground)
JBL Vertec 4886 (main center array)	10
JBL Vertec 4886 (balconies L/R/C)	15
Meyer UPQ-2P (infill)	2
Renkus Heinz TRX 61 (main floor front fill)	7
Meyer UP Junior (under balcony speakers)	2

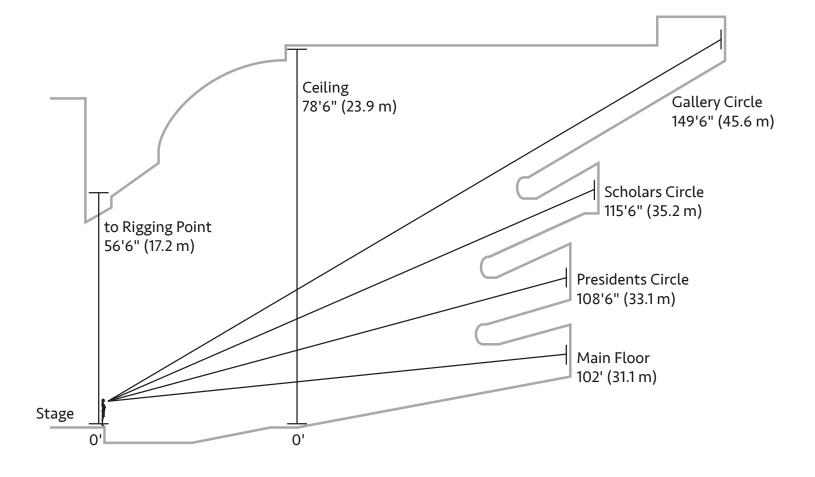
AMPLIFIERS, PROCESSING, CONTROL

Туре	Quantity	
Crown IT 12000HD	9	
Crown IT 9000HD	11	
Crown CTS 1200	4	
BSS London BLU Processing		

Clear Com System

SOUND

THROW DISTANCES



VIDEO

PROJECTION

Barco HDX-W20 Flex 20,000 Lumen WUXGA DLP Projector Barco TLD+ (1.2-1.6: 1), TLD+ (2.8-4.5: 1), and TLD+ (4.5-7.5: 1) Zoom Lenses The Screen Works 12' x 21.25' Truss Frame Front Project Screen

CONTROL

Barco PDS-902 3G Presentation Switcher/Scaler

CAMERA, RECORDER, SIGNAL ROUTING

Sony BRCH700 HD 3CCDs P/T/Z Camera (FOH Position)
Sony RMBR300 Remote Control Unit
Sound Devices PIX270i Production Video/Audio Recorder
4x Decimator MD-HX, 1x Decimator MD-Cross Converters
BNC/HD-SDI, CAT5, and LC/Opticom Fiber connectivity in patch panels throughout the venue

PRESENTATION CONTROL

2x Macbook Pro Laptops, Keynote, and QLab 4
Perfect Cue Micro Slide Advance Remote
2x USB-C and 2x Thunderbolt/Mini-display HDMI Display Adapters

HOUSE FEATURES

STAGE & PROSCENIUM

Stage Depth 39'6" 12.0 m

(plaster line to back wall)

Upstage Extension Depth 17'3" 5.3 m

HOUSE MIX POSITION

Depth 9'6" 2.9 m

Width 18'10" 5.7 m

Distance to Proscenium 68' 20.7 m

Cable Pass to control booth only

CONTROL BOOTH

Depth 9'7" 2.9 m

Width 37' 11.2 m

Height 9' 2.7 m

Throw Distance 105' 32.0 m

PROJECTION BOOTH

Depth 6'10" 2.1 m

Width 31' 9.4 m

Height 9'3" 2.8 m

Throw Distance 110' 33.5 m

FOLLOW SPOT BOOTH

Depth 11' 3.3 m

Width 25' (7.6 m) window,

35' (10.7 m) room

Height 8'11" 2.7 m

Throw Distance 140′ 42.7 m

Follow Spots 4

ORCHESTRA SHELL

Tower Count 10

Tower Depth 5' 1.5 m

Tower Width 12'4" 3.8 m

(open)

Tower Width 6'8" 2.0 m

(closed)

Tower Height 25'9" to 43'6" (7.8 m x 13.3 m)

Storage Upstage Left &

Upstage Right

Orchestra Ceiling Count 3

Orchestra Ceiling Depth 10'10" 3.3 m

Orchestra Ceiling Length 41'6" to 58'1" (12.6 m x 17.7 m)

