

Orpheum Theatre
910 Hennepin Avenue
Minneapolis, MN 55403

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LOADING FACILITIES

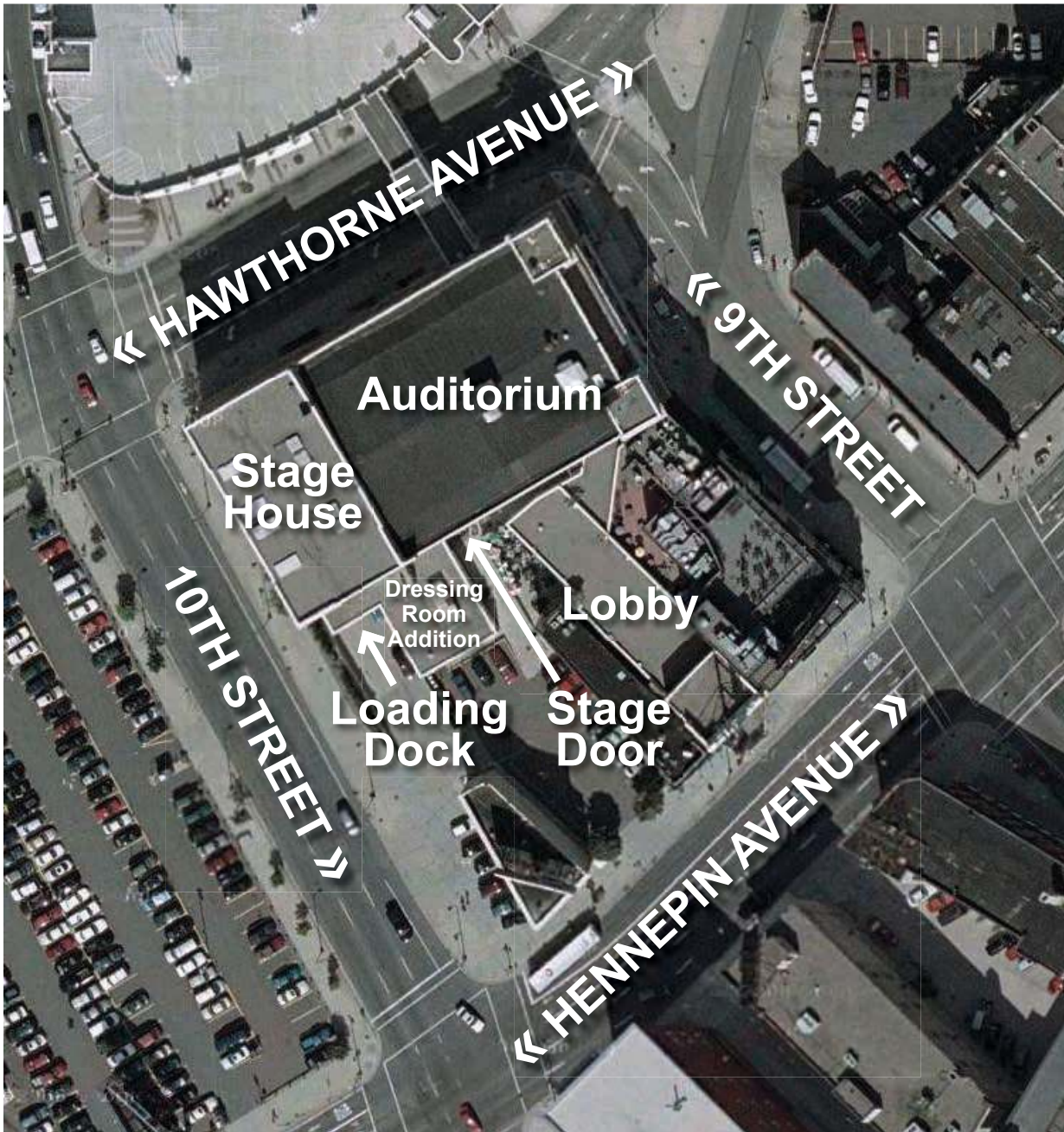
Load-in Door Size: 8' wide x 10' high

Location: 10th Street between Hennepin and Hawthorne

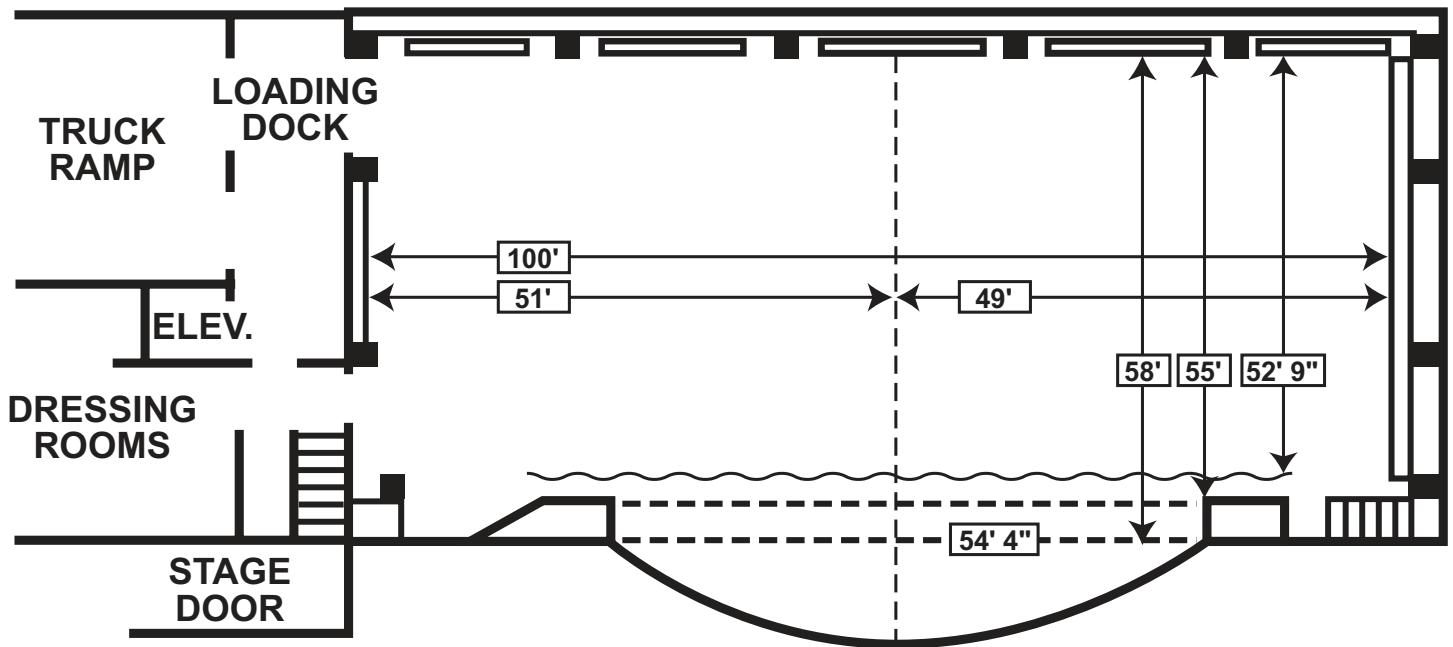
Freight Elevator Location: SR

Elevator Door Size: 6' wide x 8' high

Elevator Compartment Size: 8' wide x 11' high



STAGE DIMENSIONS



Proscenium Opening: 54' 4" wide x 28' 8" high

Stage Depth

Lip of apron to plaster line: 36"
 Lip of apron to back wall: 58"
 Depth of smoke pocket: 6"
 Curtain line to back wall: 52' 9"
 Apron to curtain Line: 63"
 Proscenium wall to back wall columns: 55'

Stage Width

SR wall to fly floor SL: 100'

Distance from center stage to:

SL: 49'
 SR: 51'
 SL Wing: 20' 6"
 SR Wing: 26'

Plaster line center stage to:

First row of seats: 18'
 First mix position: 35'
 Second mix position: 104'
 First Balcony BB: 45'
 Elevation above stage floor: bottom 24', top 34'
 Second Balcony BB: 72'
 Elevation above stage floor: bottom 29', top 45'
 Balcony rail center: 44'
 Elevation above stage floor: 16'
 Balcony rail sides: 55'
 Booth: 134'

FLY SYSTEM & RIGGING

Single Purchase Counterweight System

Arbor Capacity: 1,200 pounds; 40,000 pounds available
Number of line sets: 96, 7-line sets in 51' 10" of fly space
Length of pipes: 70'
Stage to grid: 65' 6"
Maximum fly height: 62' 10"
Distance from curtain
 to first set of lines: 1' 1"
 to last set of lines: 49' 7"

Lockrail: Stage Level (SR)

Pin Rails: 28' above stage floor left, right and back wall
 5/8 rope sheaves, 10,000' hemp. (200)

Number of one ton lodestar chain hoists: 6

Trap door through grid: 6' 6" x 3' 8" located up stage
 right by load in door

SOFT GOODS

Maroon House Teaser: 9' 6" x 70'

Maroon House Curtain: Hangs 2' 3" from proscenium wall

5 – **Black Borders:** 8' 6" x 70'

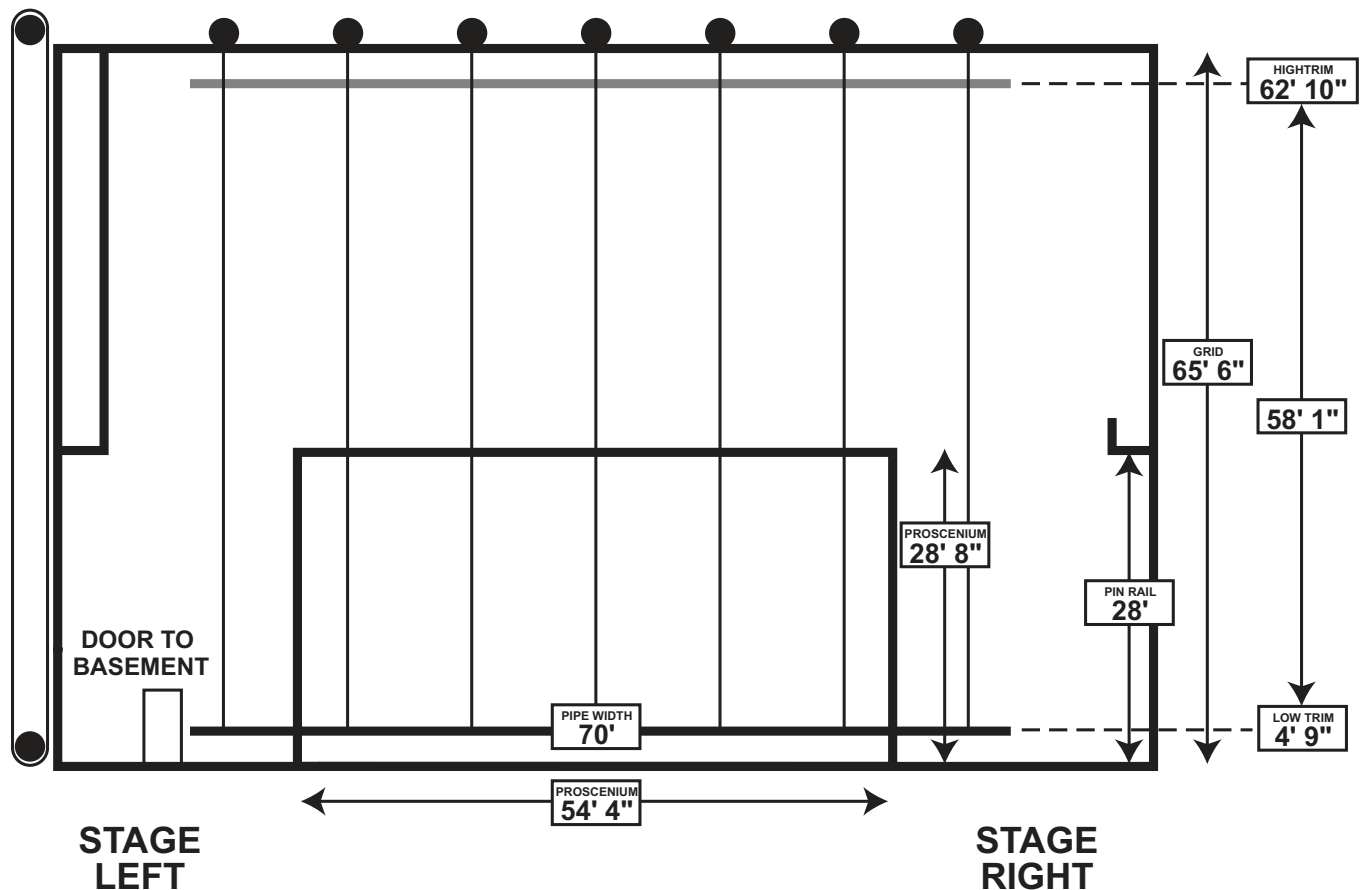
1 – **Black Border:** 18' x 70'

5 sets – **Black Legs:** 32' x 16'

1 – **Black Backdrop:** 32' x 70'

1 – **White Leno Cloth Cyc:** 32' x 70'

1 – **Black Sharktooth Scrim:** 32' x 70'



FLY SYSTEM & RIGGING CONTINUED

Line Set	Distance from Proscenium Wall	Typical Lineplot
1	1' 4"	House Teaser
2	2' 3"	House Curtain
3	3' 4"	
4	3' 10"	First Electric
5	4' 4"	
6	4' 10"	
7	5' 4"	
8	5' 10"	
9	6' 4"	
10	6' 10"	
11	7' 4"	
12	7' 10"	
13	8' 4"	
14	8' 10"	
15	9' 4"	#1 Border
16	9' 10"	#1 Legs SL
17	10' 4"	#1 Legs SR
18	10' 10"	
19	11' 4"	
20	11' 10"	
21	12' 4"	
22	12' 10"	
23	13' 4"	
24	13' 10"	2nd Electric
25	14' 4"	
26	14' 10"	
27	15' 4"	
28	15' 10"	
29	16' 4"	
30	16' 10"	
31	17' 4"	#2 Border
32	17' 10"	#2 Legs SL
33	18' 4"	#2 Legs SR
34	18' 10"	Black Back
35	19' 4"	
36	19' 10"	
37	20' 4"	
38	20' 10"	
39	21' 4"	
40	21' 10"	
41	22' 4"	3rd Electric
42	22' 10"	
43	23' 4"	
44	23' 10"	
45	24' 4"	
46	24' 10"	
47	25' 4"	#3 Border
48	25' 10"	#3 Legs
49	26' 4"	

Line Set	Distance from Proscenium Wall	Typical Lineplot
50	26' 10"	
51	27' 4"	
52	27' 10"	
53	28' 4"	
54	28' 10"	
55	29' 4"	
56	29' 10"	
57	30' 4"	
58	30' 10"	4th Electric
59	31' 4"	
60	31' 10"	
61	32' 4"	
62	32' 10"	
63	33' 4"	
64	33' 10"	#4 Border
65	34' 4"	#4 Legs
66	34' 10"	Black Scrim
67	35' 4"	
68	35' 10"	
69	36' 4"	Cyc Lights
70	36' 10"	
70-A	37' 4"	
71	38' 7"	muled
72	39' 10"	White Bounce
73	40' 4"	
74	40' 10"	
75	41' 4"	
76	41' 10"	
77	42' 4"	
78	42' 10"	
79	43' 4"	
80	43' 10"	
81	44' 4"	
82	44' 10"	
83	45' 4"	
84	45' 10"	
85	46' 4"	
86	46' 10"	
87	47' 4"	
88	47' 10"	
89	48' 4"	
90	48' 10"	
91	49' 4"	
92	49' 10"	
93	50' 4"	
94	50' 10"	
95	51' 4"	
96	51' 10"	

RIGGING POINTS FRONT OF HOUSE



Hole	DS from lip of stage	From center	Ceiling color	Size hole	Capacity
A1	0' 8"	21' 3" SR	Gold	6"	2k
A2	0' 10"	6' 5" SR	Gold	6"	2k
A3	0' 8"	6' 2" SL	Gold	6"	2k
A4	0' 9"	21' 11" SL	Gold	6"	2k
B1	2' 1"	25' 4" SR	Blue	4"	2k
B2	1' 11"	24' 9" SL	Blue	4"	2k
C1	2' 4"	2' SR	Gold	8"	1200 lb
C2	2' 4"	2' SL	Gold	8"	1200 lb
D1	2' 7"	18' 8" SR	Blue	4"	2k
D2	2' 5"	10' 5" SR	Blue	4"	2k
D3	2' 4"	11' 5" SL	Blue	4"	2k
D4	2' 7"	18' 8" SL	Blue	4"	2k
E1	4' 6"	24' 4" SR	Blue	6"	2k
E2	4' 6"	24' 7" SL	Blue	6"	2k
F1	4' 0"	21' 3" SR	Blue	6"	2k
F2	4' 0"	22' SL	Blue	6"	2k
G1	4' 11"	21' 4" SR	Blue	6"	2k
G2	3' 9"	8' 1" SR	Gold	6"	2k
G3	4' 0"	7' 10" SL	Gold	6"	2k
G4	4' 11"	21' 10" SL	Blue	6"	2k
H1	6' 2"	27' SR	Gold	4"	2k

Hole	DS from lip of stage	From center	Ceiling color	Size hole	Capacity
H2	6' 3"	26' 10" SL	Gold	4"	2k
J1	6' 11"	18' 6" SR	Blue	6"	2k
J2	6' 2"	9' 10" SR	Gold	4"	2k
J3	6' 3"	9' 4" SL	Gold	4"	2k
J4	6' 11"	18' 6" SL	Blue	6"	2k
K1	14' 9"	31' 5" SR	Blue	6"	2k
K2	11' 9"	14' 9" SR	Blue	6"	2k
K3	11' 5"	14' 6" SL	Blue	6"	2k
K4	14' 0"	30' 7" SL	Blue	6"	2k
L1	17'-0"	24' 3" SR	Gold	6"	2k
L2	16' 10"	6' 11" SR	Gold	6"	1k
L3	17' 0"	6' 6" SL	Gold	6"	1k
L4	17' 3"	23' 11" SL	Gold	6"	2k
M1	20' 1"	33' 9" SR	Blue	4"	2k
M2	19' 2"	30' 6" SL	Blue	4"	2k
N1	18' 6"	22' 5" SR	Gold	4"	2k
N2	18' 6"	11' 4" SR	Gold	4"	2k
N3	18' 6"	1' 11" SR	Gold	4"	2k
N4	18' 6"	10' 2" SL	Gold	4"	2k
N5	18' 4"	23' 7" SL	Gold	4"	2k

RIGGING POINTS OVER BALCONY



DS from lip of stage	From center	Size hole	Capacity
42'	12' 6" Right	4"	2k
	25' 6" Right	4"	2k
	9' 8" Left	4"	2k
	26' 8" Left	4"	2k
43' 6"	7' 8" Right	4"	2k
	29' Right	4"	2k
	7' 8" Left	4"	2k
	29' Left	4"	2k
62'	7' 8" Right	6"	half ton
	29' Right	6"	half ton
	7' 8" Left	6"	half ton
	29' Left	6"	half ton

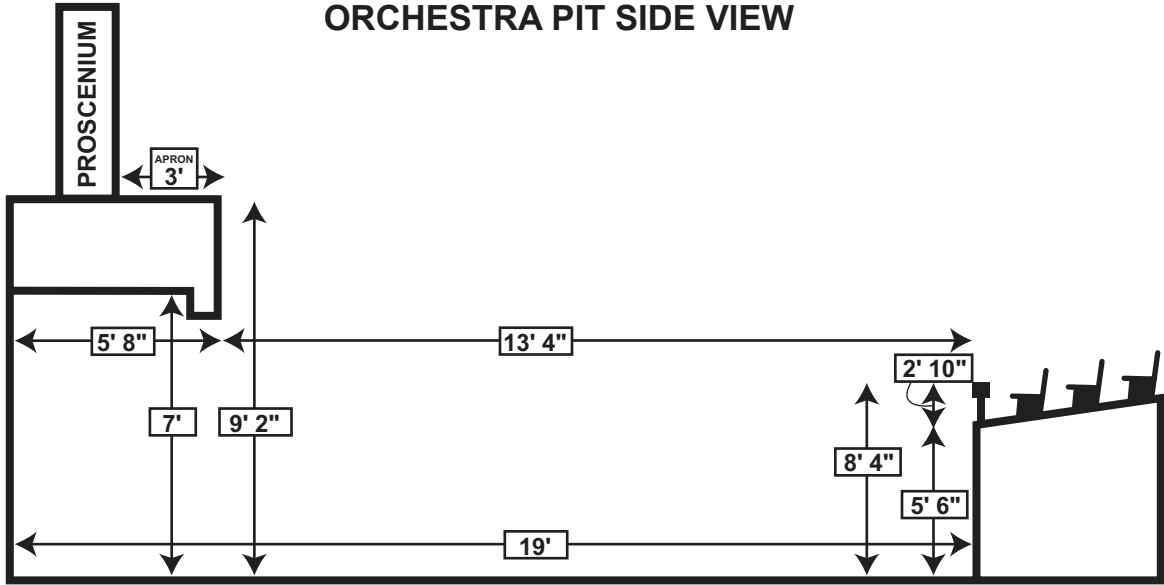
PROP INFORMATION

Orchestra pit depth from stage: 9' 2"
 Stage to main floor level: 43.5"

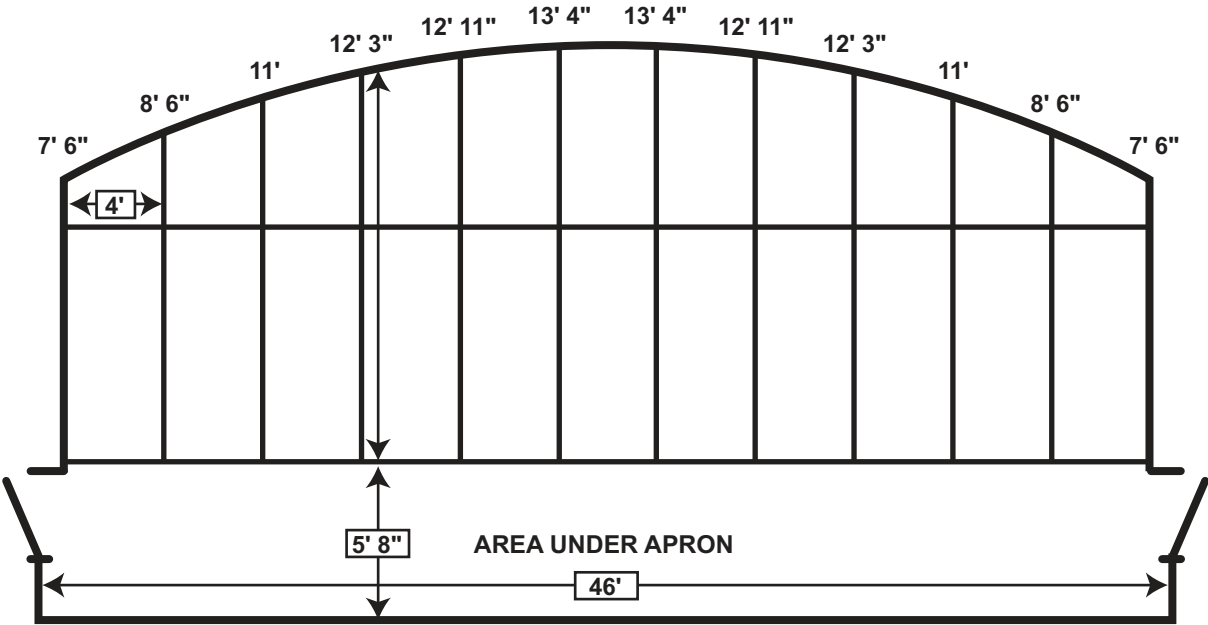
Music stands: 30
 Conductors stand: 1
 Music stand lights with garlands: 50
 Black padded chairs: 30
 Bass stools: 3
 Wood stools: 3
 Chairs: 120

WARDROBE
 House washers and dryers: 2 (hookup for 3)
 Steamer: 1
 Irons and boards: 2
 Tables: eight-foot: 10; six-foot: 6
 Rolling wardrobe racks: 12

ORCHESTRA PIT SIDE VIEW



ORCHESTRA PIT TOP VIEW



ELECTRICAL/LIGHTING

ELECTRICAL POWER

Six 400 amp three phase four wire 208v company switches; mechanical ground; located Stage Right
One 200 amp three phase four wire 208v company switch; located Down Stage Right for sound
One 200 amp three phase four wire 208v company switch; located Down Stage Left for sound
Sound power is transformer isolated.

LIGHTING EQUIPMENT

HOUSE CONSOLE

ETC Expression
ETC Idea
Two video monitors

HOUSE DIMMERS

2.4k dimmers: 286
5k dimmers: 6
House light dimmers: dimmers 293–378

LIGHTING INSTRUMENTS

ETC Source 4, 36 degree: 18
ETC Source 4, 26 degree: 57
ETC Source 4, 19 degree: 56
Altman 6 x 22: 8
Cyc units, 3 circuit: 20
8" Fresnels: 12
Par 64: 76

STAGE CABLE

Stage pin 5': 60
Stage pin 10' green: 70
Stage pin 25' yellow: 50
Stage pin 50' orange: 25
Stage pin 100' red: 8
Stage pin twofer: 40
Add on six circuit multi-cable: 50': 8; **25':** 3

ACCESSORIES

8" barndoors: 8
Rosco 6" Cardboard frames: 200
Rosco 8" Cardboard frames: 150
Pattern holders size A: 24
ETC iris kits: 12
Four run ladders: 8
21' pipe and boom bases: 8
18' sidearms: 50

STAGE CIRCUITS

Patch Bay Circuits

circuit 1–72

Back Wall Circuits

SL 263–274
SR 275–286

Orchestra Pit

SL 259, 260
SR 261, 262

5k Gallery circuits

287, 288 USL
289, 290 USR
291, 292 DSR

BB1 SR 304–307

BB2 SL 335, 336

BB1 SR 308–311

BB2 SL 337, 338

Drop Line Circuits

SL Gallery #1 73–78
SL Gallery #2 79–84
SL Gallery #3 85–90
SL Gallery #4 91–96
SL Gallery #5 97–102
SL Gallery #6 103–108

SR Gallery #1 109–114

SR Gallery #2 115–120

SR Gallery #3 121–126

SR Gallery #4 127–132

SR Gallery #5 133–138

SR Gallery #6 139–144

SR Gallery #7 145–150

SR Gallery #8 151–156

SR Gallery #9 157–162

SR Gallery #10 163–168

SR Gallery #11 169–174

SR Gallery #12 175–180

SR Gallery #13 181–186

SR Gallery #14 187–192

SR Gallery #15 193–198

SR Gallery #16 199–204

SR Gallery #17 205–210

SR Gallery #18 211–216

SR Gallery #19 217–222

SR Gallery #20 223–228

SR Gallery #21 229–234

SR Gallery #22 235–240

SR Gallery #23 241–246

SR Gallery #24 247–252

SR Gallery #25 253–258

Patchable Circuits from Intercept Panel SR to:

Ceiling: 36 circuits
Balcony BBL1: 12 circuits
Balcony BBL2: 12 circuits
Balcony BBR1: 12 circuits
Balcony BBR2: 12 circuits
Balcony Rail: 24 circuits

ELECTRICAL/LIGHTING CONTINUED

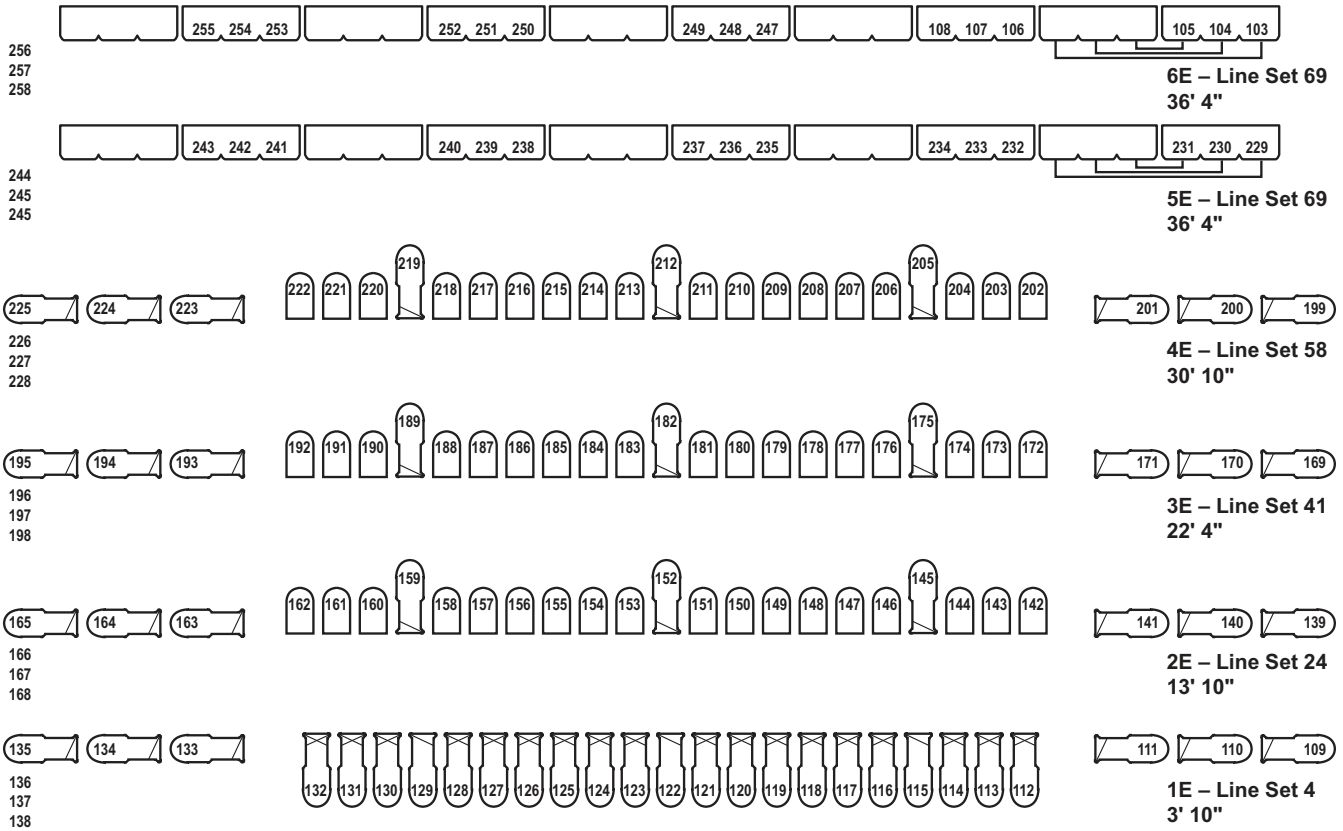
HOUSE LIGHT CIRCUITS

293	Main chandelier	337	Lower Front cove
294	Main chandelier	338	Lower Front cove
295	Main chandelier	339	Lower Front cove
296	Main floor chandeliers north and south	340	Lower Front cove
297	Main floor chandelier center	341	Lower Front cove
298	Lower side wall sconces	342	Lower Rear cove left
299	Upper side wall sconces	343	Lower Rear cove left
300	Ceiling baskets boxes	344	Lower Rear cove left & right
301	Ceiling baskets under balcony – EC	345	Lower Rear cove right
302	Vomitories – EC	346	Lower Rear cove right
303	Vomitory step lights	347	Upper Center dome cove
304	SL BB1 – Dome	348	Upper Center dome cove
305	SL BB1	349	Upper Center dome cove
306	SL BB1	350	Upper Center dome cove
307	SL BB1	351	Upper front cove
308	SR BB1 – Dome	352	Upper front cove
309	SR BB1	353	Upper front cove
310	SR BB1	354	Upper front left cove
311	SR BB1	355	Upper front left cove
312	SL BB2	356	Upper front left cove
313	SL BB2	357	Upper front right cove
314	SL BB2	358	Upper front right cove
315	SL BB2	359	Upper front right cove
316	BR SL1–PB4	360	Upper cove left
317	BR SL2–PB6	361	Upper cove left
318	BR SR1–PB9	362	Upper cove right
319	BR SR2–PB11	363	Upper cove right
320	Spare	364	Upper cove right
321	Spare	365	Upper cove right
322	Lower Right Dome cove – EC	366	Upper left and right triangles – EC
323	Lower Right Dome cove	367	Upper left and right triangles – EC
324	Lower Right Dome cove	368	Upper left and right triangles – EC
325	Lower Right Dome cove	369	Upper Mid Cove
326	Lower Left Dome cove – EC	370	Upper Mid Cove
327	Lower Left Dome cove	371	Upper Mid Cove
328	Lower Left Dome cove	372	Upper Mid Cove
329	Lower Left Dome cove	373	Upper rear left side cove
330	Lower Center Dome cove – EC	374	Upper rear left side cove
331	Lower Center Dome cove	375	Upper rear cove – EC
332	Lower Center Dome cove	376	Upper rear cove
333	Lower Center Dome cove	377	Upper rear cove – EC
334	Lower Center Dome cove	378	Spare
335	Lower Front cove		
336	Lower Front cove		

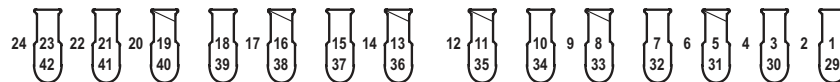
EC=Emergency Circuit

ELECTRICAL/LIGHTING CONTINUED

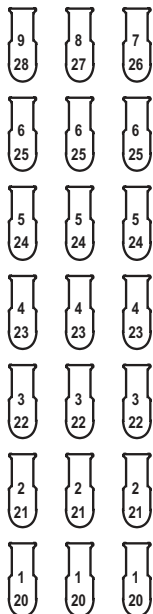
STAGE



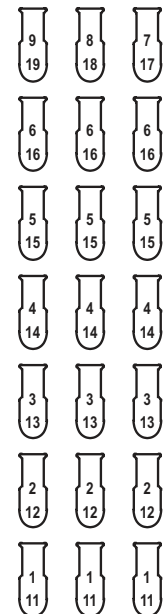
BALCONY RAIL



BOX BOOM RIGHT



BOX BOOM LEFT



SOUND

MAIN FLOOR SYSTEM

Electro-Voice Very Compact Line Array (XLD).
 System is ground stacked left and right with front fills and under balcony speakers.
 Subs are ground stacked.
 Amplifiers are EV TG-5 tour series with RCM-28 DSP modules.
 System is controlled via computer running EV IRIS-Net software.

HIGH ENCLOSURES

10 – EV XLD 281 speaker enclosures, 5 ground stacked per side on XGS-4 ground stacking frames.

SUBWOOFER ENCLOSURES

4 – EV QRX218S dual 18" subwoofers, 2 cabinets ground stacked per side.

FRONT FILLS

6 – EV XI 1082

UNDER BALCONY SYSTEM

6 – EV XI 1082

BALCONY SYSTEM

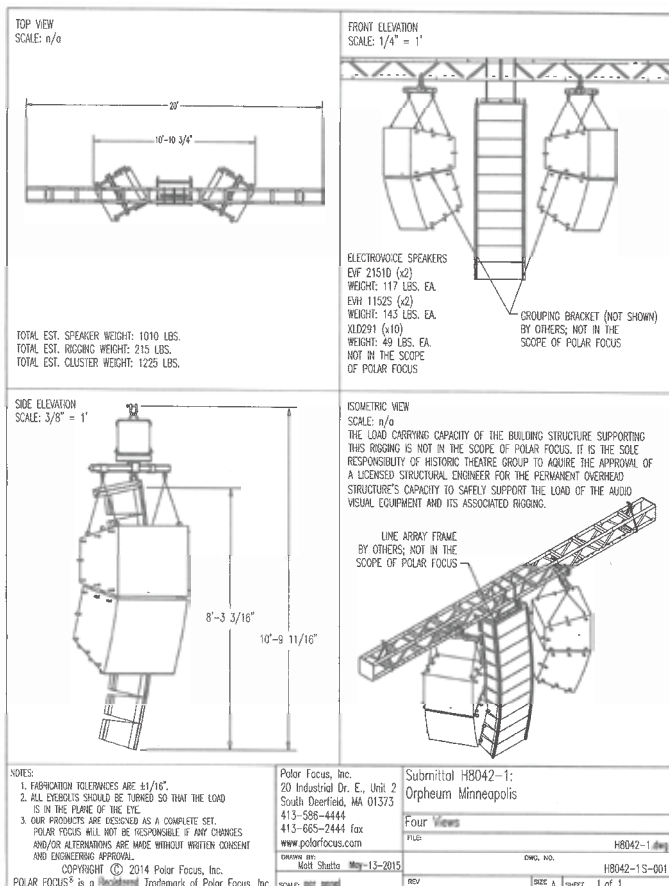
Electro-Voice Very Compact Line Array (XLD) with EVH out fills and EVF subs.
 System is flown off a 20' truss at center with inverted one ton motors and consists of a 10 box line array with out fills and subs.
 Amplifiers are EV TG-5 tour series with RCM-28 DSP modules.
 System is controlled via computer running EV IRIS-Net software.

HIGH ENCLOSURES

10 – EV XLD 281 speaker enclosures flown off of one XLD grid, this array is comprised of three zones with shading on the bottom zone.
 2 – EVH1152S/64 60 x 40 full range high efficiency speaker enclosures hung left and right of the line array system off of Polar Focus adjustable flying frames.
 These speakers fly beneath EVF subs.

SUBWOOFER ENCLOSURES

2 – EV EVF-2151D dual 15" front loaded bass element hung above the EVH out fill speakers on Polar Focus adjustable flying frames.



SOUND CONTINUED

MONITOR SYSTEM (SUBJECT TO AVAILABILITY)

OVERVIEW

- 56 channel, 14 mix system
 - (12 wedge mixes, 2 side fill mixes + cue)
- 3 – four mix amp racks (EV P1200 and P3000 power amplifiers)
- 1 – stereo side fill rack with cue (EV P3000 power amplifiers)
- 4 – Klark Teknik DN9848 speaker processor
- 2 – EQ racks
- 1 – processing/FX rack
- Motion Laboratories Power Distribution

MIXING CONSOLE AND CASE

- 1 – Midas Heritage 3000 mixing console 48/4/BT
- 1 – Packhorse mixing console case

POWER SUPPLY RACK

- 1 – Furman PL-plus
- 2 – Midas P750 power supply

CONSOLE ACCESSORIES

- Midas EZ-tilt console stand

EQ RACK #1 (8 MIX)

- 4 – Klark Teknik DN370 EQ

EQ RACK #2 (6 MIX)

- 3 – Klark Teknik DN370 EQ

PROCESSING/FX RACK

- 1 – Furman PL-plus
- 1 – Yamaha SPX2000
- 1 – TC Electronics Reverb 4000
- 2 – Klark Teknik DN504+ compressor
 - (4 channels each/8 total compressors)
- 1 – Klark Teknik DN514+ noise gate
 - (4 channels/4 total gates)
- 1 – Tascam DVRA1000 audio/dsd master recorder

MONITOR SPEAKERS

- 8 – EV XW12A floor wedge
- 10 – EV XW15A floor wedge
- 2 – EV XI-1183A/64 side fill

WIRELESS RACK #1 (SUBJECT TO AVAILABILITY)

- 1 – Furman PL-plus
- 4 – Shure UR4D dual wireless receivers
 - (8 channels of wireless)
- 8 – Shure UR2 handheld wireless transmitters
 - with SM58 capsules
- 8 – Shure UR1 bodypack transmitters (for use with Shure WL184 lavalier microphones or Countryman E-6 headset mics)
- 1 – Shure UA845 UHF antenna distribution system
 - (1/2 wave, active directional, and Helical antennas available)
- 2 – Tripp Lite power modules rs-1215

WIRELESS RACK #2 (SUBJECT TO AVAILABILITY)

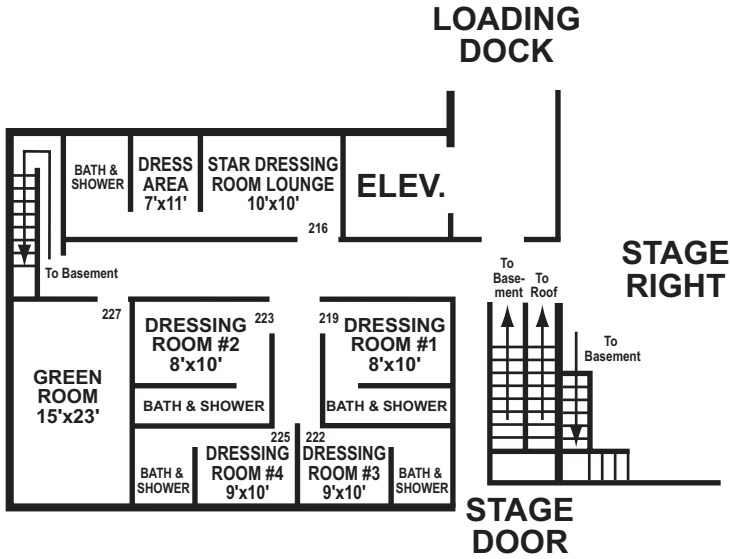
- 1 – Furman PL-plus
- 5 – Shure UR4D dual wireless receivers
 - (10 channels of wireless)
- 10 – Shure UR2 handheld wireless transmitters
 - with SM58 capsules
- 10 – Shure UR1 bodypack transmitters (for use with Shure WL184 lavalier microphones or Countryman E-6 headset mics)
- 1 – Shure UA845 UHF antenna distribution system
 - (1/2 wave, active directional, and Helical antennas available)
- 1 – Tripp Lite power module rs-1215

MICS FOR WIRELESS SYSTEM (SUBJECT TO AVAILABILITY)

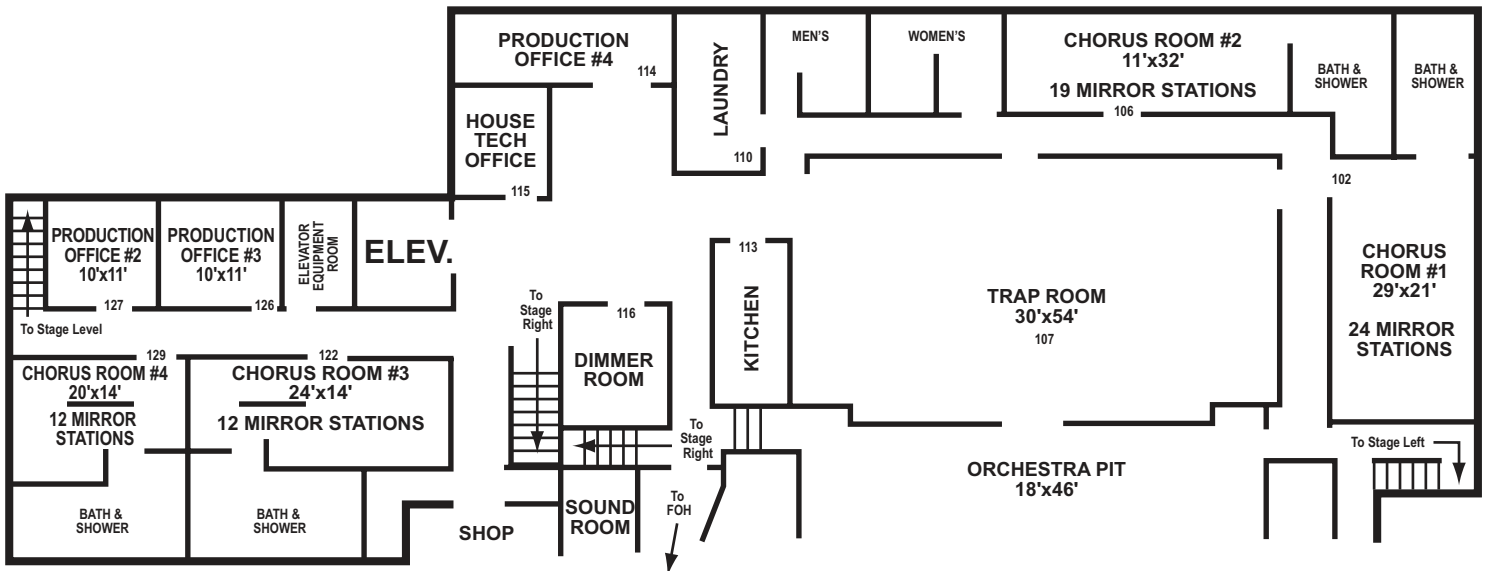
- 2 – Shure KSM9 capsules for UR2 handheld transmitters
- 1 – Electrovoice RE510 capsule, compatible with Shure UR2 handheld transmitters
- 18 – Shure WL184 lavalier microphones
- 26 – Countryman E-6 miniature headset mics-cocoa
 - (cablecets available for both Shure and EV beltpacks)
- 4 – Countryman B-6 lavalier microphone-cocoa
- 1 – Countryman B-6 lavalier microphone-cocoa wired to Sennheiser specification with a Lemo connector
- 2 – Telex sub miniature lapel microphones (ELM 33S, ELM 22S)
- 9 – EV RE92TX lav/instrument microphone

DRESSING ROOMS

STAGE LEVEL



BASEMENT LEVEL



FRONT OF HOUSE

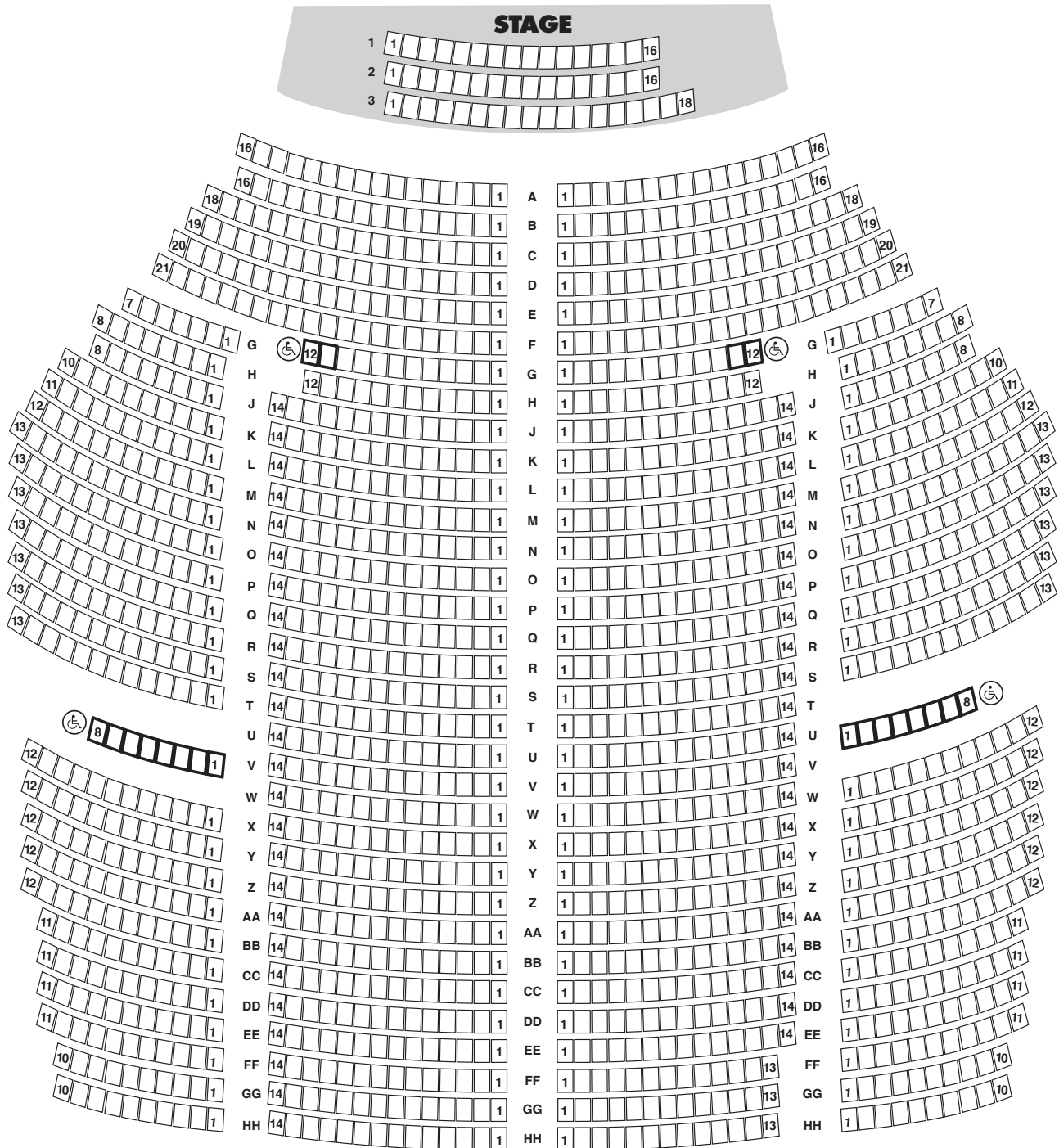
SEATING INFORMATION

Main Floor: 1,569 (20 wheelchair)

Balcony: 1,049 (22 wheelchair)

Total: 2,621

MAIN FLOOR



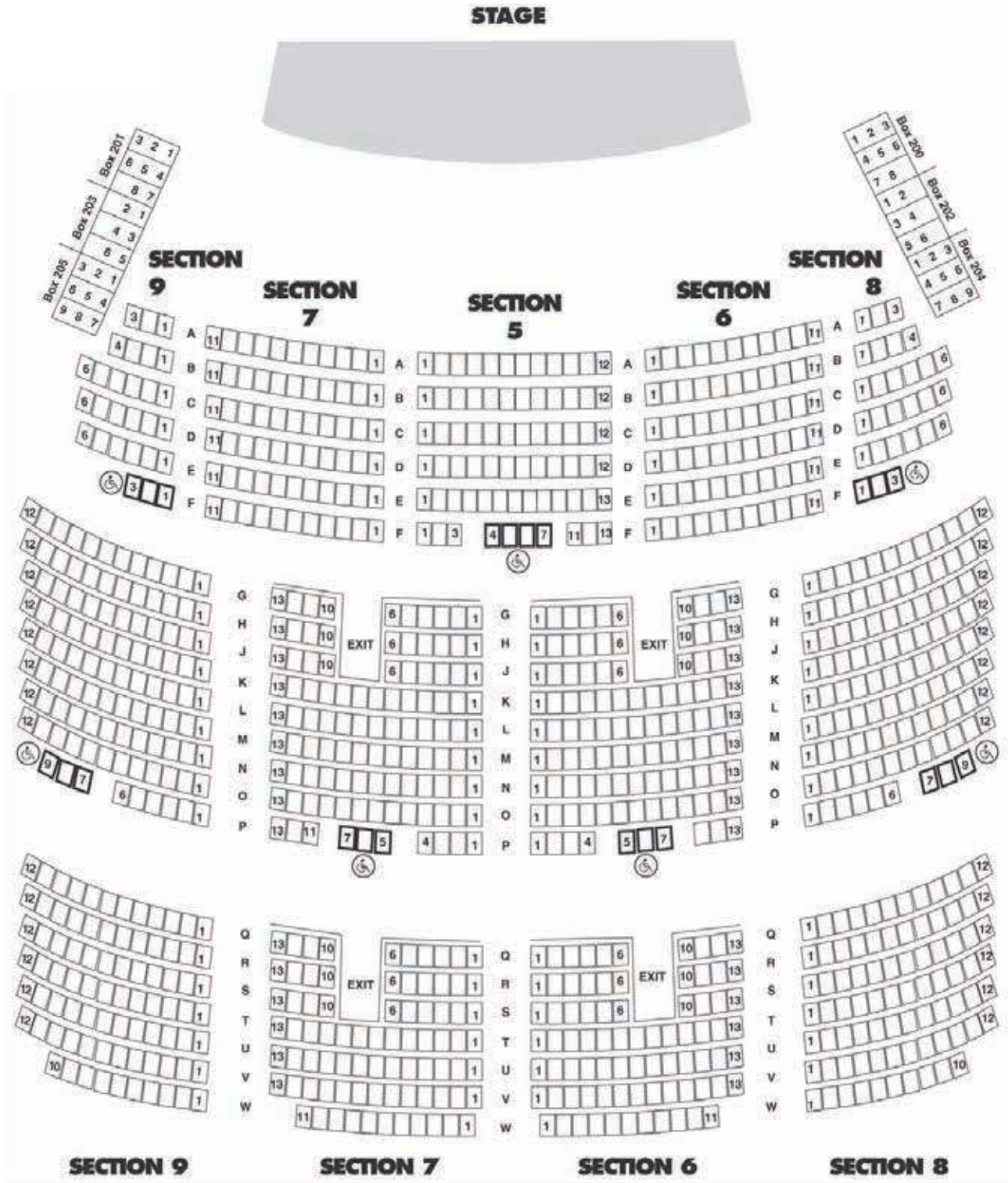
SECTION 3

SECTION 1

SECTION 2

SECTION 4

BALCONY



FRONT OF HOUSE CONTINUED

ORPHEUM THEATRE LOBBY

