

Fred Kavli Theatre Technical Information



BANK OF AMERICA
PERFORMING
ARTS CENTER
THOUSAND OAKS

Fred Kavli Theatre

General Manager

Marisa Hanke
Office: (805) 449-2706
Email: mhanke@toaks.gov

Technical Operations Manager

Sean Jones
Office: (805) 449-2739
E-Mail: sjones@toaks.gov

Physical Address

2100 E Thousand Oaks Blvd.
Thousand Oaks, CA 91362

Loading Dock, Artist Entrance and Shipping Address

225 S Conejo School Rd
Thousand Oaks, CA 91362
<Please include show name>

BACKSTAGE FACILITIES

Loading Dock Capacity: 3 Trailers / Production Vans
Loading Dock Address: 225 S Conejo School Rd
Thousand Oaks, CA 91362

Green room with kitchenette
Rehearsal / dance warmup room (34' x 41') including mirrored wall, ballet barre, and sprung floor
Costume maintenance shop and laundry room
Road manager's office, crew office and lounge

Venue does not offer an on-site kitchen or catering.

DRESSING ROOMS

All dressing rooms have makeup mirrors, counters, wardrobe hanging racks, lockers, sink(s), toilet(s), and shower(s), and are served by an elevator and staircases. Dressing rooms are ADA accessible, except as noted below.

Stage Right:

Headliner Suite
Artist Suite (2 person)
Change Room (upstage right, 2 person)

Lower Level:

(4) Featured Player Dressing Rooms (2 person)
2 are not ADA accessible
(1) Small Chorus Dressing Room (17 person)
(1) Large Chorus Dressing Room (33 person)
Makeup/Performer Stations: 64 total

Furniture in the Headliner Suite, Artist Suite, and Green Room may not be relocated or moved. Furniture cases and gondolas must remain in hallways. Please use painter's tape for your signage.

PARKING

Structure (Off of Thousand Oaks Blvd)

723 parking spaces
24 disabled spaces

Loading Dock

20 parking spaces
1 disabled space
3 police spaces (No public parking)

AUDITORIUM SEATING

Maximum Capacity:	1800 Seats
Orchestra Pit Lift:	72 Seats / 0 Wheelchairs
Orchestra Floor:	733 Seats / 10 Wheelchairs
Founders Circle & Boxes:	191 Seats / 4 Wheelchairs
Mezzanine & Boxes:	414 Seats / 10 Wheelchairs
Balcony:	390 Seats / 6 Wheelchairs
2 Viewing Rooms, each:	9 Seats / 1+ Wheelchairs

STAGE DIMENSIONS

Variable Proscenium Opening:	40' to 56' wide
Proscenium Height:	35'
Curtain Line to Upstage Wall (Stage Depth):	47'
Curtain Line to Apron Edge:	10'
Orchestra Lift Depth (On Centerline):	11'- 6"
Stage Width:	118'
Proscenium Arch to Stage Left Wall:	32'
Proscenium Arch to Stage Right Wall:	30'
Grid Height:	86'- 6"
Scene Dock (Depth x Width):	26' x 60'

ORCHESTRA PIT

80 Musician capacity, in stepped pit. ADA accessible.

ORCHESTRA PIT LIFT

Spiral lift type: 50 lbs/sq.ft. live load lifting capacity at 8-10 feet per minute and 125 lbs/sq.ft. static carrying capacity.
The seating wagon (rows AA, BB & CC) is moved on a wheeled dolly.

ORCHESTRA SHELL

Encloses a maximum of 1550 square feet behind the proscenium. Eleven floor-mounted, casted, nesting side towers are stored upstage on scene dock. Ceiling panels and clouds fly and store overhead.

HOUSE PIANOS

Steinway Model D - 9' Concert Grand (A441/442)
Yamaha CFIII - 9' Concert Grand/Midi Player (A440)
Yamaha CF-3 - 6'-1" Grand (In Founders Room)
Yamaha 48" Upright Rehearsal Piano
Kawai Upright Rehearsal Piano

STAGE DRAPERY	WIDTH	HEIGHT	FULLNESS	MATERIAL	COLOR
House Curtain	73'	41'	75%	Velour	Red
Teaser	83'	20'	75%	Velour	Red
Border #1	83'	16'	Flat	Velour	Black
Borders #2, 3, 4, 5	83'	10'	Flat	Velour	Black
Border #6	60'	10'	Flat	Velour	Black
Legs (pairs) #1, 2, 3, 4, 5, 6	14'	32'	Flat	Velour	Black
Midstage Traveler	68'	32'	50%	Velour	Black
Upstage Traveler	84'	32'	50%	Velour	Black
Scrim (Sharkstooth)	83'	31'	Flat	Seamless	Black
Cyclorama / Rear Projection Screen	70'	36'	Flat	Plastic	White
Tabs (2 Each)	33'	32'	Flat	Velour	Black
Blackout Drops (2 Each)	44'	43'	Flat	Velour	Black

RIGGING

- (1) Motorized Fire Curtain
- (2) Motorized Electrics - #1 & 1A
- (3) Motorized Orchestra Shell Ceilings
- (3) Single Purchase Counterweight Orchestra Shell Clouds
- (1) Single Purchase Cyclorama Electric
- (1) Double Purchase Cyclorama / Rear Projection Screen
- (4) Double Purchase Counterweight Tab Battens
- (2) Single Purchase Counterweight Tab Battens
- (53) Single Purchase Counterweight Linesets, including:
 - (1) House Curtain
 - (1) Teaser
 - (1) Blackout Drop
 - (6) Borders
 - (6) Legs (pairs)
 - (1) Concert Curtain
 - (1) Projection Screen
 - (1) Midstage Traveler
 - (1) Upstage Traveler
 - (1) Scrim
 - (33) General Purpose
 - (33) 5/8" Spotting Blocks

ARBOR CAPACITIES

Tabs and Linesets:	1825#
Electrics:	2350#
Shell Clouds:	2350, 2405, 2870#
Counterweight Hoist:	1300#

Locking rail and loading platform are stage right
 Fly floors are stage right and left with upstage crossover

LIGHTING THROW DISTANCES - To Curtain Line

Followspot Booth	120'
Mezzanine Control Room	106'
Balcony Front Rail	94'
Founders Circle/ Mezzanine Front Rail	64'
Lighting Catwalk #2	93'
Lighting Catwalk #1	75'
Side Slot #2	70' - 100'
Side Slot #1	30' - 70'

ROAD COMPANY &

TELE-PRODUCTION ACCOMMODATIONS

- (1) Front-of-house lighting circuit intercept panel (backstage patch)
- (3) 400A company switches, 120/208 VAC, 3^ø/5w Posi-Lok (Cam-Lok) and lug connections, DSL
- (2) 200A company switches, 120/208 VAC, 3^ø/5w Posi-Lok (Cam-Lok) and lug connections, USL/USR
- (1) 200A sound switch, 120/208 VAC, 3^ø/5w Posi-Lok (Cam-Lok) and lug connections, MSL Power conditioner and isolated supply
- (1) 60A aux switch, 120/208 VAC, 3^ø/5w Posi-Lok (Cam-Lok) and lug connections, grid-level
- (2) 225A production van switches, 120/208 VAC, 3^ø/5W Posi-Lok (Cam-Lok) and lug connections Loading dock breezeway, with power conditioners
- (1) Cable trench from loading dock to DSL
- (1) Cable tunnel from DSL to FOH audio mix position at rear of orchestra floor. **150' run to FOH.**

See stage plot for exact position of company switches

STAGE LIGHTING CONTROL SYSTEM

- (468) 2.4KW Strand CD-80 Dimmers
- (26) 6.0KW Strand CD-80 Dimmers
- (1) ETC ION control board with 2 x 20 fader wing
- (1) ETC EOS programming wing
- (1) ETC Nomad Puck for remote monitoring at DSR stage manager's panel (can be moved to a tech table)
- (2) Touch screen monitors
- (1) ETC Radio focus remote
- (2) ETC Net3/sACN gateways, one with 4 DMX outputs, one with 3 DMX outputs and 1 DMX input.

ONSTAGE FACILITIES

Compressed air outlets in all four corners of stage
 Service sink USL
 30' x 50' area of stage floor is trappable to room below

LIGHTING INSTRUMENT INVENTORY

QTY.	ITEM	LAMP	WATTAGE	MAKE/MODEL
2	Follow Spotlight	HMI	2.5 kW	Lycian SuperStar 2.5 Model No. 1278
2	Follow Spotlight	XENON	2.5 kW	Strong Gladiator II
165	Source Four Body	HPL	750 W	ETC
22	Source Four 10° Lens Tube			ETC
32	Source Four 19° Lens Tube			ETC
72	Source Four 26° Lens Tube			ETC
39	Source Four 36° Lens Tube			ETC
1	Source Four Drop-In Iris			ETC
72	Source Four PAR with VNSP, NSP, MFL, and WFL lenses	HPL	750 W	ETC
14	5° Ellipsoidal Spotlight	FEL	1 kW	Colortran Model No. 650-082
24	10° Ellipsoidal Spotlight	FEL	1 kW	Strand Model No. 2123
3	8" Fresnel Spotlight	BTN	1 kW	Strand Model No. 3480
10	Cyc Flood, 3 Cells Per Fixture	FFT	1 kW	Strand Model No. 5913 (12"x16" gel frame)

A small additional inventory of lighting instruments, lens tubes, and accessories is available. Please contact the venue with your specific needs.

All units are supplied with color frame(s), safety cable(s), and 20A stage pin connectors.

A limited selection of gobos and holders is available.

Stage pin, Edison, and 5-pin DMX cables are available as needed.

AUTOMATED LIGHTING (Available at additional cost)

(10) High End Systems – SolaSpot 1000

(10) High End Systems – SolaWash 37

(1) Look Solutions Unique 2.1 Water-Based Hazer

(4) 10' Sections of 12"x18" Black Tomcat Truss, with connecting hardware

(4) CM Lodestar 1 Ton Chain Hoists

Motor cables and controller, DMX cables, and power will be supplied as needed

SOUND SYSTEM

MIXERS

DiGiCo Quantum 225 w/ MQ MADI Rack
(Software version 21.0.2126)

****The venue does not have a monitor console****

FLOWN ARRAY

(9 per side) L-Acoustics K2
Tri-amped, full range, left and right arrays
(12) L-Acoustics KARA
Two-way center array

SUBS/INFILL (GROUND STACKS)

(3 per side) L-Acoustics ARCS WIDE, 2-way
(3 per side) L-Acoustics SB28 dual 18" subwoofers

FRONT FILLS

(6) L-Acoustics 8XTi

AMPLIFIERS

(11) L-Acoustics LA8 1800-watt 4-channel amplified controller
(1) L-Acoustics LA4X 1000-watt 4-channel amplified controller
(6) QSC PL236 3600-watt 2-channel amplifier

MONITORS

(6) JBL MR805
(4) EAW JF100E (4)
(4) EAW KF650z
(4) EAW SB150zR

REPRODUCTION & PLAYBACK EQUIPMENT

Apple Mac Mini with QLab V5
Logic Pro for Mac (Archival recordings only, where possible)

PROJECTION SCREENS

(1) Draper 13.5' x 24' widescreen projection screen frame
(1) Matte white XT100V front projection surface
(1) Matte rear projection surface

MICROPHONES / DIRECT INPUT

(2) AKG 414
(6) Shure SM81
(5) Crown PCC-160
(8) Shure SM58
(3) Shure B58A
(2) Shure SM57
(2) Shure B57
(6) Shure Beta 57A
(1) Shure 98
(2) Shure Beta 98
(1) Shure Beta 52
(4) Sennheiser 421
(3) Sennheiser 604
(2) Sennheiser 609
(4) Audio-Technica 853 choral microphones
(5) Radial J48 Mono Active DI
(1) Radial J48 Stereo Active DI
(1) Radial Pro AV2 Multimedia DI
(6) Whirlwind Passive Direct Input Boxes

Wireless (rental fees apply):

(2 channels) Shure UR4D+
(2) Shure UR2 B58 Handheld - \$70 each
(2) Shure UR1 Bodypack Transmitter
(2) Countryman B3 - \$70 each
(2) Countryman E6 - \$90 each

INTERCOM AND BACKSTAGE PAGING SYSTEM

Clear-Com analog single-channel intercom system, with common-talk capability and signaling light. Belt packs can be located on the stage, at FOH, and at the spot booth.

Backstage program and paging audio distribution

PATCHING SYSTEMS

CCTV video, audio, and effects loudspeaker patch points are located throughout the venue. A patch bay is available.

ACCESSORIES

Loudspeaker, microphone, and video extension cables
Floor, boom, and tabletop microphone stands
(1) Rapco 50' 12/4 XLR snake
(1) Rapco 100' 12/4 XLR snake

HEARING-IMPAIRED SYSTEM

Listen Technologies LT800 transmitter
Listen Technologies 72 MHZ receivers

FRED KAVLI THEATRE

STAGE ELECTRICAL CIRCUIT SCHEDULE

Location	2.4kW Circuits	6.0kW Circuits
Follow Spot Booth		469 - 470
Upper Balcony Rail	1 - 18	471 - 472
Mezzanine Rail	19 - 36	473 - 474
Mezzanine Control Room		475 - 476
Lighting Control Booth	37 - 38	477 - 478
#2 AP / Catwalk	39 - 68	479 - 480
#1 AP / Catwalk	69 - 98	481 - 482
#1 Side Slot - House Right	99 - 106	
#2 Side Slot - House Right	107 - 114	
#1 Side Slot - House Left	115 - 122	
#2 Side Slot - House Left	123 - 130	
Orchestra Pit	131 - 142	
Front of House Intercept Panel	1 - 142	469 - 482
Tormentor - Downstage Left	143 - 148	483 - 484
Floor Pockets - Stage Left 4@4 circuits each	149 - 164	
PT Boxes - Stage Left 4@4	149 - 164	
Tormentor - Downstage Right	165 - 170	485 - 486
Floor Pockets- Stage Right 4@4	171 - 186	
Up Stage Pigtail Boxes 4@4	187 - 202	
Fly Floor - Stage Left 2@6	203 - 214	
Tab Drop Boxes - S.L. 5@4	215 - 234	
Fly Floor - Stage Right 2@6	235 - 246	
Tab Drop Boxes - S.R. 5@4	247 - 266	
#1 Electric	267 - 302	487 - 488
#2 Electric	303 - 318	
S.L. Drop Boxes 9@6	319 - 372	
S.R. Drop Boxes 9@6	373 - 426	
#3 Electric Pipe - Sky Drops	427 - 456	
Upstage Scene Dock	457 - 464	489 - 492
Gridiron Pigtail Boxes	465 - 468	493 - 494

Fred Kavli Theatre

STAGE RAIL SCHEDULE

#	FROM PL	PIPE NAME	LENGTH
1	1' - 0"	Red Valance	68' - 0" + Bri. / Ext.
4	2' - 3"	House Curtain (Cannot Be Moved)	74' - 0"
5	3' - 3"	General Purpose (House Border #1)	84' - 0" + Ext.
6	3' - 11"	General Purpose (House Legs #1)	84' - 0" + Ext.
7	4' - 7"	General Purpose	84' - 0" + Ext.
8	5' - 3"	House Electric #1 (Motorized Raceway)	68' - 0" (Max. Out Trim: 43' 7")
	6' - 0"	Shell Cloud #1 (Permanently Installed)	
	6' - 4"	Shell Ceiling #1 (Permanently Installed)	
11	6' - 11"	House Electric #1a (Motorized Raceway)	68' - 0" (Max. Out Trim: 43' 7")
12	7' - 11"	General Purpose	68' - 0" + Bri. / Ext.
13	8' - 7"	General Purpose	68' - 0" + Bri. / Ext.
14	9' - 3"	General Purpose	68' - 0" + Bri. / Ext.
15	9' - 11"	General Purpose	68' - 0" + Bri. / Ext.
16	10' - 7"	General Purpose (House Border #2)	68' - 0" + Bri. / Ext.
17	11' - 3"	General Purpose (House Legs #2)	68' - 0" + Bri. / Ext.
18	11' - 11"	Draper Screen (13.5' x 24')	68' - 0" + Bri. / Ext.
19	12' - 7"	General Purpose	68' - 0" + Bri. / Ext.
20	13' - 3"	General Purpose (House Electric #2)	68' - 0" + Bri. / Ext.
21	13' - 11"	General Purpose	68' - 0" + Bri. / Ext.
22	14' - 7"	General Purpose	68' - 0" + Bri. / Ext.
23	-	Stage Left Tab Ladder #1	33' - 8"
	15' - 7"	Shell Cloud #2 (Permanently Installed)	
	16' - 0"	Shell Ceiling #2 (Permanently Installed)	
25	16' - 7"	General Purpose	68' - 0" + Bri. / Ext.
26	17' - 3"	General Purpose	68' - 0" + Bri. / Ext.
27	17' - 11"	General Purpose (House Border #3)	68' - 0" + Bri. / Ext.
28	18' - 7"	General Purpose (House Legs #3)	68' - 0" + Bri. / Ext.
29	19' - 3"	General Purpose	68' - 0" + Bri. / Ext.
30	19' - 11"	General Purpose	68' - 0" + Bri. / Ext.
31	20' - 7"	General Purpose (House Electric #3)	68' - 0" + Bri. / Ext.
32	21' - 3"	General Purpose	68' - 0" + Bri. / Ext.
33	21' - 11"	Mid-Stage Traveler (Cannot Be Moved)	68' - 0" + Bri. / Ext.
34	22' - 7"	General Purpose	68' - 0" + Bri. / Ext.
35	23' - 3"	General Purpose	68' - 0" + Bri. / Ext.
36	23' - 11"	General Purpose	68' - 0" + Bri. / Ext.
37	-	Stage Right Tab Ladder #1	33' - 8"
	24' - 11"	Shell Cloud #3 (Permanently Installed)	
	25' - 4"	Shell Ceiling #3 (Permanently Installed)	
39	25' - 11"	General Purpose (House Border #4)	68' - 0" + Bri. / Ext.
40	26' - 7"	General Purpose (House Legs #4)	68' - 0" + Bri. / Ext.
41	27' - 3"	General Purpose	68' - 0" + Bri. / Ext.
42	27' - 11"	General Purpose	68' - 0" + Bri. / Ext.
43	28' - 7"	General Purpose (House Electric #4)	68' - 0" + Bri. / Ext.
44	29' - 3"	General Purpose	68' - 0" + Bri. / Ext.
45	29' - 11"	General Purpose	68' - 0" + Bri. / Ext.
46	30' - 7"	General Purpose	68' - 0" + Bri. / Ext.
47	31' - 3"	General Purpose	68' - 0" + Bri. / Ext.
48	31' -11"	General Purpose	68' - 0" + Bri. / Ext.

49	32' - 7"	General Purpose (House Border #5)	68' - 0" + Bri. / Ext.
50	33' - 3"	General Purpose (House Legs #5)	68' - 0" + Bri. / Ext.
51	33' - 11"	General Purpose (House Black Scrim)	68' - 0" + Bri. / Ext.
52	34' - 7"	General Purpose	68' - 0" + Bri. / Ext.
53	35' - 3"	Cyclorama Electric (Raceway)	68' - 0" (Max. Out Trim: 57')
54	35' - 11"	General Purpose	68' - 0" + Bri. / Ext.
55	36' - 7"	General Purpose	68' - 0" + Bri. / Ext.
56	37' - 3"	General Purpose	68' - 0" + Bri. / Ext.
57	37' - 11"	General Purpose (House Border #6)	68' - 0" + Bri. / Ext.
58	38' - 7"	General Purpose (House Legs #6)	68' - 0" + Bri. / Ext.
59	39' - 3"	General Purpose	68' - 0" + Bri. / Ext.
60	39' - 11"	General Purpose	68' - 0" + Bri. / Ext.
61	40' - 7"	General Purpose	84' - 0" + Ext.
62	41' - 3"	General Purpose	84' - 0" + Ext.
63	41' - 11"	General Purpose	84' - 0" + Ext.
64	42' - 7"	Upstage Traveler (Cannot Be Moved)	84' - 0" + Ext.
65	43' - 3"	Cyclorama (Cannot Be Moved)	84' - 0" + Ext.
67	-	Stage Right Tab Batten #3	33' - 8" + Ext.
68	-	Stage Right Tab Batten #2	84' - 0" + Ext.
69	-	Stage Left Tab Batten #2	84' - 0" + Ext.
70	-	Stage Left Tab Batten #3	84' - 0" + Ext.
71	-	(Located Under Upstage Catwalk)	68' - 0" On Manual Winch
72	-	(Located Over Loading Bay)	54' - 0" On Manual Winch
73	-	(Located Over Loading Bay)	54' - 0" On Manual Winch

Typical pipe is a 7-line set

Lift lines are 10' - 4" O.C.

Ext. = Accepts 3' 0" extension on both ends

Bri. / Ext. = Accepts 3' 0" extension or 8' 0" bridled on both ends

PARKING

Structure

723 parking spaces

24 disabled spaces

Loading Dock

23 parking spaces

1 disabled space

3 police spaces (No public parking)

AUDITORIUM SEATING

Maximum Capacity: 1800 Seats

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