



ALEX THEATRE

PERFORMING ARTS & ENTERTAINMENT CENTER

Technical Specifications

The historic Alex Theatre was built in 1925 and is a three-tier house with dual level lobbies, excellent sight lines and an extensive technical inventory.

House Capacity

Orchestra	768 [includes seating for up to eight wheel chairs]
Terrace	181
Balcony	464

TOTAL SEATS 1,413

Forecourt	343
Orchestra Level Lobby	315
Mezzanine Level Lobby	343
Dressing Room / Green Room Area	60

Stage Dimensions

Proscenium Height	27' 0"
Proscenium Width	46' 0"
Stage Depth	28' 9"
Apron Depth	5' 6"
Center Line to Stage Right	31' 0"
Center Line to Stage Left Clear	36' 0"
Center Line to Stage Left Wall	47' 0"

There is access from the front of the house to backstage from house right hallway.

NOTE: Please request a stage diagram from the Technical Director for DSL and DSR obstructions.

Stage Floor

The stage floor is black tempered Masonite.

Dance Floor

The dance floor is a reversible grey/black Harlequin in five (5) 6' 6" x 48' sections.

Fly System

House Curtain / Grand Drape

Burgundy drop curtain with center opening.

Operated as guillotine from stage right locking rail or as a split traveler from stage right.

Fire Curtain

The historic fire curtain is made of encapsulated asbestos, counterweighted and motor-operated with fuseable link and pull-pin emergency operation. The stage deck directly beneath the path of the fire curtain must be clear of all obstructions at all times.

Rigging System

Grid Height	57' 6"
Type	Sets #0-6 are double-purchase Sets #7-42 are single purchase
Line Sets	42 sets at 8" o.c. with 5 lift lines per set
Arbors	1,000 lbs. capacity
House Pipes	52' long; low trim 5' 0"; out trim 55' 0"
Traveler Tracks	3 available [including house curtain] 1 motorized traveler at 14' per sec. on LS 3
Operation	From lockrail stage right. Loading at grid level. There is no pin rail.

A mobile capstain winch is available.

Soft Goods

5	Flat black velour borders
6 pair	Flat black velour legs [2 @ 12'w x 30'h; 3 @ 8'w x 30'h; 1 @ 9'w x 30'h]
1	Flat black velour drop [52'w x 29'h]
1	Flat black velour traveller – [2 panels 27'w x 29'h]
1	30' x 60' seamless white cyc
1	30' x 60' bounce cloth
1	27' x 21' flat black tab curtains stage left & stage right
2	30' x 52' black sharkstooth scrim
1	30' x 52' White sharkstooth scrim
1	Lined beige traveler 50% fullness [2 panels 27'w x 29'h]

Orchestra Pit

Pit can accommodate approximately 20 musicians [15.4 sq. ft. per musician].

309 total sq. ft.; 125 sq. ft. is movable; 184 sq. ft. at 8' below stage level.

Apron overhangs upstage wall of pit 4' 3".

Front section adjustable from stage level to 8' below stage level.

Backstage

Loading Dock

Location	Loading dock is located on Maryland Avenue behind the theatre.
Loading Door Stage Left	12' 0" high x 8' 0" wide
Trucks	One at a time
Loading Door	Dock loading door is located 12' 0" above the stage level and 3' 6" above the street level. One 8' 0" x 11' 0" scissor lift recessed into stage floor.
Ramp	13' x 40" ramp available

Wardrobe

Location	Basement
Access	Stairs located stage left and stage right
Facilities	Washer/dryer, sewing machine, steamer, iron and ironing boards available.

Please check with the Technical Director regarding the availability of wardrobe racks.

Dressing Rooms

Access	Stairs stage right and stage left
Star Room	One (1) in basement with shower, toilet and sink; capacity 1-2 persons.
Private Rooms	Three (3) in basement; capacity 1-3 persons; one with sink.
Chorus Rooms	Two (2) in basement; capacity 1-12 persons; no sinks.
Showers	Restroom facilities with showers are located in the basement.
Green Room	In the basement; telephone, soft drink machine, sink, and microwave.
Tent	A 20'x40' tent with sides can be put up in the backstage parking lot for use as additional dressing room space. The tent can be subdivided.

Electrics

The Alex Theatre has a flexible house plot suitable for all types of events. The client is responsible for all crew expenses to restore the setup back to the existing house plot.

Road Service Power

- 1 – 400 amp 3-phase DSL for electrics/dimmers [Camlocks]
- 1 – 200 amp 3-phase DSL for sound [5/8" lugs]

Distribution

324 – 20 amp wired stage circuits [all circuits w/grounded stage pin connectors] as follows:

FOH Cove	Circuits # 1-36
2nd Box Booms	Circuits # 37-52
Balcony Rail	Circuits # 53-72
1st Box Booms	Circuits # 73-84
1st Electric	Circuits # 85-120
2nd Electric	Circuits # 121-156
3rd Electric	Circuits # 157-192
4th Electric	Circuits # 193-212

Stage & Floor

Floor Pockets	Circuits # 213-234
US Wall	Circuits # 295-300
Drop Boxes	Circuits # 235-252 & 265-288 [6 x 3 circuits]
DS Proscenium	Circuits # 253-262
Orchestra Pit	Circuits # 263-265
DSL	Circuits # 301-324 [4 x 6 Socopex]

Light Instrument Inventory

Quantity	Type	Watts
8	10° Source Four	750
48	19° Source Four	575
83	26° Source Four	575
80	36° Source Four	575
10	Altman 6" Fresnel	750
30	Source Four Par	575
30	Altman Far 64 (MFL and WFL)	1,000
6	Altman Far CYC 3 Circuit	1,000
4	9' Altman T-3 Striplights,	3 Circuit 500
6	6' Altman Zip Strips MR 16	3 Circuit 75
2	Lycian 1290 XLT Follow Spots	2000 W Zenon

Front of House instruments are not available for use in other locations.

Working inventory of 5', 10', 25', 50', 100' cable; 50' & 100' multi-cable, barn doors, top hats, 2 fers and side arms.

Follow spot booth located at the top of upper balcony.

Lighting Throw Distances to Curtain Line

Projection Booth	110'
Cove	66'
Box boom #1	16' to 28'

Box boom #2	44' to 40'
Balcony Rail	35'

Dimming

EDI Mark VII Dimmer bank w/324 – 2.4kw Stage Dimmers

Control

ETC ION Control Console

Houselights

Control via ETC Unison Control System
Also accessible via ION console

Tech Table

Located in center section orchestra level. Includes: 3 – video sends; 4 – intercom sends; production page and lighting control console tie-in.

Sound System

Console

Yamaha PM5D-RH w/ 48 inputs; 4 stereo inputs; 24 aux sends; effects, EQ, gates, & compressors.

Mix Position

Lower Balcony house right

Speakers

L'Acoustics KUDO Stereo Line Array
Front Fill Speaker System
Under Lower Balcony Delayed
L'Acoustics SB118 Sub-Woofers

Monitors and Spares (Quantity/Item)

6 Apogee SSM
4 Apogee AE5
4 Apogee AE3M

Auxiliary Equipment (Quantity/Item)

8 DBX160XT Compressor / Limiters
4 DBX166 Dual Gate/Compressor/Limiter

- 1 DN514 Klark-Technics Quad Gate
- 3 DN360 Klark-Technics 1/3 Octave Equalizers
- 2 Lexicon LXP-15 Effects
- 1 Lexicon 300 Effects
- 2 BSS FCS-926 Varicurve Programmable EQ
- 1 BSS FCS-920 Programmable EQ Slave
- 1 BSS TCS-804 DDL
- 1 Tascam 112mkII Cassette Deck
- 2 Sony CDP-D11 CD Player
- 1 Sony MDS-E11 MiniDisc Recorder
- 1 Panasonic SV-3700 DAT Recorder
- 2 Vega Dynex II Wireless Channels
- 10 Shure U14D Wireless Channels

Microphones (Quantity/Type)

- 5 Shure SM 57
- 6 Shure Beta 58
- 1 Shure SM 58S
- 2 Electro Voice RE20
- 4 Sennheiser MD 421
- 3 AKG C408 Micro Mic
- 4 AKG C300B w/ 91, 92, or 93 Capsule
- 4 AKG C414B
- 4 Neumann KM-140
- 3 Crown PCC 160
- 2 Audio Technica AT815R 18" Shotgun mic
- 4 Audio Technica AT4073a 9" Shotgun mic
- 4 Sennheiser MKE2 Lavaliers
- 6 Countryman E6 Headset mic
- 1 Shure WCM16 Isomax Headset mic
- 5 Shure WH30TQG Headset mic
- 2 Vega Dynex II Wireless Hand Held w/ SM87 capsule
- 2 Shure U2 Wireless Hand Held w/ Beta 87C capsule

Wired Microphone Inputs

A total of 87 wired inputs are available as follows:

- On stage54
- Orchestra Pit24
- Balcony Rail3
- Ceiling Catwalk2

Monitor Sends

A total of 12 monitor sends are available.

On Stage and Orchestra Audio Monitors

Orchestra to stage, stage to orchestra, and stage to dressing room systems are available.

Communications

Intercom System Clear Comm MS-400A Main Station

7 headsets and beltpacks available

Video Monitor System

Video input locations as follows:

Orchestra Pit1

Balcony Rail2

Outputs available to orchestra pit, stage, tech table position, mix position, follow spot booth, last row of orchestra level.

Hearing Impaired/Assisted Listening Devices

Sennheiser system for the hearing impaired – 20 headsets available

Road Console Tie-In

All mic sends terminate at house mix position in house right lower balcony (20) tie-ins SL 12 tie ins SR into house system stage left or offstage stage right amp room available.

Piano

The Alex Theatre’s house piano is 6’ 10 1/2” (211 cm) grand and is often referred to as "the perfect piano." It’s a wonderfully balanced and versatile instrument that does extremely well in intimate settings, teaching studios, and mid-sized venues.

Dimensions

Length 6’ 10-1/2” (211 cm)

Width 58” (148 cm)

Net Weight 760 pounds (345 kg)

Encasement

Furniture Ebonized or Crown Jewel Collection veneer.

Panel Stock Quarter-sawn poplar corewood crossbanded and face veneered.

Solids Ebonized birch, Mahogany, Walnut

Legs Ebonized birch, Mahogany, Walnut veneer over birch. Locking devices.

Finish Heavy full-bodied black or clear lacquer; completely hand-rubbed.

Hardware Solid brass; polished & lacquered.

Internet

Wired and wireless DSL service available; check with the Assistant Technical Director for more information.

Cinema Film System

Screen Size 21' 6" x 46'
Lens Format 1.33, 1.37, 1.66, 1.85, 2.5 [Cinemascope]
Projectors 35mm Simplex XL Projectors, 4,000 watt xenon lamps

Sound

Behind Screen Three (3) JBL 4648 low frequency drivers, three (3) JBL
2446 high frequency horns, two (2) JBL 4642 dual sub
woofers
Surround Channels Fourteen (14) JBL 83340A speakers
Processors Dolby 650 Digital Processor with Kelmar LED Readers
(digital and analog)

DTS Digital Processor

Technical Contact

Jack Allaway, General Manager
Alex Theatre
(818) 243-7700 ext. 220
jack@alextheatre.org

Bob O'Neill, Assistant Technical Director
Alex Theatre
(818) 243-7700 ext 229
bob@alextheatre.org