

CHANDLER CENTER FOR THE ARTS

MAINSTAGE TECHNICAL INFORMATION

CARPENTRY

The Main stage can seat 940, or with the addition of two turntables of divisible seating can accommodate up to 1,500.

STAGE DIMENSIONS:

Proscenium:

Width: 60'-4"

Height: 30'

Depth: 38' upstage of plaster line

18'-10" downstage of plaster line at center

Wing Space:

Stage right: 25' with overhead obstructions at 19'-6"

Stage left: 25' with overhead obstructions at 19'-6"

Other floor level obstructions exist please contact technical staff if you are concerned about wing space.

Orchestra Pit:

Width: 40' Length: 22'

Pit is 10' + deep. There is no lift and the floor has two landings, 8" and 16" lower. At 4" below stage height there is a re-mesh safety net. Only the conductor's section, 4' x 6', is removable. A plywood and 2x4 framed cover is usually placed on the re-mesh safety net to extend the stage.

Stage Floor:

2x4 sleepers, 16' o.c., covered with 5/8" plywood and decked with 1x4 T-G yellow pine topped with black stained 1/4" tempered masonite.

House Drapery:

House curtain-Cherry Red-two panels 41'-6" x 32' split traveler hand drawn from stage right. It is on a motorized lineset that flies at 5'/min.

Legs:

Black velour flat, one pair at 20'W/30'H, one pair 30' H x 15'W, one pair at 30'H x 11'W

Borders:

Cherry red velour w/tied fullness, one at 114' x 12'. . Black velour flat, two at 10' x 75', one at 69' x 12', one at 10' x 80' and one at 10' x 95'.

Full Blacks:

Two black velour traveler curtains with 50% fullness, two panels 39'-6" x 30' at mid stage and two panels 38'-6" x 30' upstage.

Scrim:

White sharkstooth 28' W x 55' H, one black scrim 28'H x 55'W with a 36" border panel at top.

Cyclorama:

White seamless leno filled scrim; 28'H x 60'W.

Projection Screen:

One 12' x 12' R.P. Fast-Fold.

*Height to the bottom of trusses is 61', there is no grid.

*Working height of pipes. *See Lineset Schedule.*

*Total number of linesets 31. The number available for drapery and scenery, excluding orchestra shell, electrics, and house curtain, is 20 linesets.

*Capacity of electrics and available sets is 1200lbs. Point load is 150 lbs.

*Length of pipes varies, *See Line Schedule.*

*Diameter of pipes is 1 1/2" SCH40 pipe.

*Control panel is located on the stage right wall.

***Note:** If your production is a heavy flying show, please contact the Production Coordinator in advance. The fixed speed of the electric motors "does not" allow anything resembling a quick scene change.

CHANDLER CENTER FOR THE ARTS MAINSTAGE TECHNICAL INFORMATION

Line#	Distance From Pros.	Assignment	Speed	Pipe Length	High Trim
1	3"	Fire Curtain			N/A
2	1'	House Curtain (manual draw)	5'/minute	80'	58'
3	2'	Valence	20'/minute	76'	56'
5	4'	1 st Electric	20'/minute	72'	35'
7	6'	Ceiling #1	5'/minute	N/A	35'
8	7'-6"	Border	5'/minute	70'	57'
9	8'-6"	Spare	20'/minute	76'	57'
10	9'-6"	1# Leg	20'/minute	76'	54'
11	10'-6"	2 nd Electric	20'/minute	72'	35'
12	11'-6"	Spare	20'/minute		57'
13	12'-6"	Ceiling #2	5'/minute	N/A	35'
14	14'	Spare	5'/minute	70'	57'
15	15'	2 nd Border	20'/minute	76'	57'
16	16'	Midtraveler (manual draw)	20'/minute	76'	57'
17	17'	3 rd Electric	20'/minute	72'	35'
18	18'	Spare	20'/minute	76'	57'
19	19'	Ceiling #3	5'/minute	N/A	35'
20	20'-6"	3rd Border	5'/minute	70'	57'
21	21'-6"	Spare	20'/minute	76'	57'
22	22'-6"	Spare	20'/minute	76'	57'
23	23'-6"	3 rd Leg	20'/minute	76'	57'
24	24'-6"	4 th Electric	20'/minute	72'	35'
25	25'-6"	Ceiling #4	5'/minute	N/A	35'
26	27'	4th Border	5'/minute	70'	57'
27	28'	Spare	20'/minute	72'	57'
28	29'	Spare	20'/minute	72'	57'
29	30'	Rear Traveler (manual draw)	20'/minute	72'	57'
30	31'	Spare	20'/minute	N/A	31'
32	33'	5th Electric	20'/minute	72'	35'
33	34'	5 th Leg	20'/minute	72'	35'
34	34'-8"	Spare	20'/minute	72'	42'
35	37'-9"	Cyclorama	DEAD HUNG	72'	30'

Assignment of general purpose linesets is suggested only and does not constitute a constant house hang. #34 is not useable as a flying set due to it's proximity to other sets and obstructions.

Shop is reserved for Chandler High School production activities. Companies should not assume that the shop can be used as an extension of the stage nor to store or assemble scenery. **CONSTRUCTION AND PAINTING INSIDE OR OUTSIDE THE FACILITY IS PROHIBITED.**

CHANDLER CENTER FOR THE ARTS MAINSTAGE TECHNICAL INFORMATION

LIGHTING

POWER

One 120/208V, 100 AMP disconnect, 3-phase power feed; cam-lok connectors.

One 120/208V, 200 AMP disconnect, 3-phase power feed; cam-lok connectors.

COMPANY SWITCH

1-120/208V 200A/leg total 600A at 120V. Attachment by cam-lok connectors.

Stage and house dimming are also fed from this power distribution.

DIMMERS

321-2.4KW Lee/Colortron 192 Series. Ten dimmers are dedicated to orchestra shell and forestage ceiling lighting.

CONTROL

Electronic Theatre Controls EXPRESS 72/144. 1024 DMX Dimmers, 240 Channels, 144 Control Channels (Faders), 24 designated Sub-masters, fully automated cueing capabilities with up to 600 cues, single scene or two-scene pre-set mode. Located at back of house, lower booth. May also be operated in-house or backstage right. Used in conjunction with a **Pathway's Ultimate Converter** to convert signal to CMX. Lee/Colortron 24 channel Patchman located Stage Right runs independently of the **EXPRESS**.

(Patchman operating protocol is CMX.)

DMX DISTRIBUTION INFO

A DMX "DRV" line is available from the Lighting Booth to off-stage right.

HOUSELIGHTS

ETC's Unison Twelve programmable cue system is available, control is in light booth at the off-stage right.

CIRCUITS

321-20A circuits, 305 available for theatrical lighting.

CIRCUIT CHART

1-38	First Bridge
42-65	Second Bridge
66-71	Stage Right Tormentor
72-77	Stage Left Tormentor
78-85	Orchestra Shell Ceilings
86-135	1 st Electric
136-171	2 nd Electric
172-207	3 rd Electric
208-243	4 th Electric
244-281	5 th Electric
282-293	Stage Right Floor Pockets (Four Dimmers/Pocket)
294-305	Stage Left Floor Pockets (Four Dimmers/Pocket)
306-317	Back Wall
318-319	Forestage Ceiling
320-325	Lower Booth

CABLE

1500' in various lengths. All cable is 12/3-SO with NEMA L5-20 twistlock connectors. (Ground dog goes in.) 33 twistlock to stage pin adapters, 20 twistlock twofers, and other miscellaneous adaptors are available.

THERE IS NO FRONT OF HOUSE TRANSFER

FOH POSITIONS

See plan at end of form

CHANDLER CENTER FOR THE ARTS MAINSTAGE TECHNICAL INFORMATION

INSTRUMENTS

ETC. Source Fours ellipsoidal reflector spotlights (“lekos”):

- 2-14° 750 Watt lekos
- 8-50° 750 Watt lekos
- 4-5° 750 Watt lekos
- 4-10° 750 Watt lekos
- 56-19° 750 Watt lekos
- 24-26° 575 Watt lekos
- 51-36° 575 Watt lekos
- 8-25°>50° Zoom, 750 Watt lekos

Lee/Colortran instruments:

- 12-5° 1K lekos
- 10-10° 1K lekos
- 10-12° 1K lekos
- 12-30° 1K lekos
- 96-8” 1K Fresnels (“flood”)
- 12-2-unit Far Cyc Units-1K
- 8-3-circuit/6-cell Cycstrip 1K/cell

FOLLOWSPOTS

2- Lycian Superstar 1200W. .

HARDWARE

12- 8" barndoors, 8- 10' booms with threaded bases, and 24 pattern holders of each type.

FILM, VIDEO, AND PROJECTION EQUIPMENT

2- Overhead projectors
1-8x8 FP Screen
1-12x12 RP Screen

HOUSE HANG: Lighting instruments are generally hung as follows:

Front Bridge: 12-5°, 10-10°, 10-12°, 8-20° Lee/Colortran lekos,
30-19°, 12-26° Source Four lekos

Back Bridges: 26-19° Source Four lekos

Tormentors: 12-30° Lee/Colortran lekos (6 per side, includes curtain warmers)

1st Electric: 24-8” Fresnels (6 instruments per color=4 colors)
2-25°>50° Source Four Zooms
2-26° Source Four lekos
5-36° Source Four lekos
2-50° Source Four lekos

2nd Electric: Same as 1st Electric, plus 2-26° Source Four lekos

3rd Electric: Same as 1st Electric, plus 2-36° Source Four lekos

4th Electric: Same as 1st Electric, plus 2-50° Source Four lekos

5th Electric: 12-2 Unit Far Cyps (4 Colors), plus 3-30° Lee/Colortran Zooms

CHANDLER CENTER FOR THE ARTS

MAINSTAGE TECHNICAL INFORMATION

AUDIO

Main Stage Communication Systems

The theatre is hardwired with a two-channel production intercom system. There are receptacles at all control positions and stage areas. We have belt-packs and head-sets for all positions. We have some extra packs and sets in case more than one is needed in any one location. If you believe your show or event requires an extraordinary number of head-sets, please contact our Production Department in advance so we may make arrangements.

Assistive Listening System

The theatre has an RF controlled assistive listening system for patrons by request. The house manager has a number of lightweight headsets that may be obtained in the Foyer.

Show Program Audio

Audio show program is sent to the Foyer for patrons as well as back stage and dressing room areas for performers. There are separate control knobs in each dressing room and in the green room for volume level

Sound location

The audio mix position is located at audience level 85 feet from the stage at back of house center.

Mixing Console

Midas XL-200 48 channel desk with 8 VCA groups, 8 audio groups, 8 auxiliary groups-pre or post, 8 mute groups, and 12 input 8 output matrix. 44 channels are mono input and 4 are stereo.

Outboard equipment

- (one) Klark-teknik DN-360 31 band 1/3 octave stereo EQ for house mains.
- (one) Drawmer 1961 stereo parametric EQ
- (two) Drawmer DL-241 dual compressor/gate combo units
- (two) Drawmer DL-441 quad compressor units
- (one) Drawmer 404 quad gate
- (one) Demeter hxc-1 mono tube compressor
- (one) Manley dual mono microphone pre-amp
- (two) TC electronic M-1 multi effects units
- (two) White instruments 31 band EQ's (for house front fill & subs)
- (one) Tascam single disc CD-01u pro player
- (one) Tascam RW-402 stereo CD recorder

Speakers

House mains: (8) Martin W8C cabinets hung (4) a side down stage right and left
Monitors: (4) Martin LE12J wedges (4) monitor mixes are available from FOH
Front fill: (4) Martin EM15 mini-trap cabinets
Sub Cabinets: (4) Martin 5218 cabinets

Main snake

Whirlwind concert series 56 channel with monitor split W-4 connect
Sub-snake W-6 connects to boxes in various sizes for stage placement
Main stage box and split are located back stage left

Microphones

- (12) Shure SM58's
- (12) Shure SM57's
- (4) Neuman KMS-105 vocal condensers
- (2) DPA 4060 mini condensers
- (2) DPA 4021 condensers
- (2) Joespson C42 condensers
- (2) Shure beta 56's
- (1) Shure beta 52
- (2) Sennheiser MKH-40 condensers
- (5) Crown PCC boundary microphones

Cables and stands

We have many 25 foot and 50 foot XLR cables as well as ample neutrik speaker cable for the in house wedges. Several sub-snake, fan-out to box runs in various lengths. (8) AKG tri-pod stands (4) boom type and (4) straight (12) round base stands some boom some straight, and goose necks, desk top stands and a variety of clips.

CHANDLER CENTER FOR THE ARTS MAINSTAGE TECHNICAL INFORMATION

PROPERTIES

ORCHESTRA PIT

Width: 40'
Length: 22'

Pit is 10' + deep. There is no lift and the floor has two 4'-wide landings, 8" and 16" lower. At 6" below stage height there is a steel safety net. Only the conductor's section, 4'W x 6'D is removable. A plywood and 2x4 framed cover is placed on the net to extend the stage.

MUSIC

99-Wenger grey straight back music chairs. 75-Wenger adjustable music stands and 24 music stand lights. 1-large conductor's stand. 1-3'x3'x8" carpeted podium. One Steinway Model D-9' Grand piano, which cannot be placed in the orchestra pit. One Schimmel studio console is available for use in the pit.

ORCHESTRA SHELL

A fully flexible acoustic shell is available.

RISERS

12 - 4'x8' SECOA risers w/interchangeable leg heights. Contact Production Staff for heights and number of legs available.

DANCE FLOOR

5- Rolls 60'x6'. Shoes, rosin, and scenery may not be used on Center's dance floor.

PIPE & DRAPE

We have increased our inventory for Pipe and Drape purposes, i.e. Foyer decorations (Arangetrams), quick-change booths for backstage, covering up unhung artwork or traveling cases in the Exhibition Hall, etc. Our inventory now includes 3 "set-ups" (squares): 12 screw-in bases, 12 telescoping up-rights (8' to 12'), 8 telescoping horizontals (8' to 14'), 2 telescoping horizontals (6' to 11'), 2 horizontals (8'), 1 horizontal (10'), and 20+ black velour drapes (4' x 10').

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WARDROBE

DRESSING ROOMS

2- Chorus rooms, capacity of 20 persons each. Located directly below the stage.

1- Principal room, capacity 1-2 persons, located off stage right in the green room.

All dressing rooms have toilets, sinks, showers, counters, mirrors, lights, and clothes racks. Accessible restrooms are located near the chorus dressing rooms in the basement. An elevator is available from stage level to basement level.

WARDROBE AREA

The wardrobe room is located between the chorus rooms on the basement level. The room is used as a locker room by the high school dance classes, subsequently it is not available during school hours.

EQUIPMENT

1 Ironing Boards, 1- Iron, 6-4' Wender Racks

QUICK CHANGE BOOTHS

SEE PIPE & DRAPE

LAUNDRY

NO LAUNDRY FACILITIES ONSITE.

Diamondback Cleaners
610 N. Alma School Road Ste. 62
Chandler 480.786.3230

Preference Drive-In Cleaners
1003 N. Arizona Ave.
Chandler, AZ 480-963-4017

CHANDLER CENTER FOR THE ARTS MAINSTAGE TECHNICAL INFORMATION

PRODUCTION

PRODUCTION ROOM

There is no room devoted as a company production room. Technical staff may share space in their office located in the basement.

GREEN ROOM

Located stage right with direct access to stage and crossover hall.

STAGE MANAGERS CONSOLE

A lectern style desk is provided with CNEW intercom. Access and paging to dressing rooms. Paging is not connected to the class rooms. If you have requested and been granted use of the classroom you will need to provide runners to these areas.

REHEARSAL ROOMS

The Rehearsal Stage and the dance Studio are used by the high school Dance and Drama programs as classroom space, and use must be specifically requested.

CREWS

The Center uses professional crews. All Center equipment will be set-up, operated and struck by Center's crew only. No performing group will be permitted access unless scheduled and staff and crew are present.

ACCECIBLE ACCESS

The Center is dedicated to accommodating special needs of performers and patrons. Client request which restricts this ability will not be able to be accommodated.

POLICIES

These are some high points of the Center's policies. For a complete copy of the Center's rules please contact the Events Coordinator. The omission of any policy here-in does not relieve the production group from complying with all center policies.

There are three performance spaces, classrooms, and visual art exhibitions at the center. Members of a user group must stay in their assigned spaces so as not to interrupt other performances and activities.

The Center is a non-smoking facility and the school surrounding the Center prohibits smoking in accordance with school policy and state law.

Absolutely no food or drinks are permitted on the stage or in the auditorium. Anyone bringing in food or beverages is subject to removal. To prevent damage to wall surfaces absolutely no masking tape, duct tape, or plastic tapes may be used anywhere in the facility. See the Production Staff for acceptable tape. To prevent electrical shock, High Voltage (above 24 volts) electrical feeders may not be laid on the floor in the auditorium or other public areas without being enclosed in a UL approved device or approval of the Production Staff.

If additional sound snake is to be used it will need to be about 250' long and laid according to Center practices. Prior approval by the Centers Production Coordinator is required.

In instances where the fire alarm may sound all persons will be evacuated and the fire department summoned. The resumption of the performance will wait until the fire personnel give the all clear. A word of caution; the smoke detectors in the backstage and dressing room areas are extremely sensitive to cigarette smoke, hair spray, dust, powder, etc.

