

**ANTELOPE VALLEY COLLEGE
TECHNICAL OVERVIEW**

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TECHNICAL OVERVIEW

The Antelope Valley Performing Arts Theatre is a Owned by Antelope Valley Community Collage – The PAT opened in September 2011 with non-union staffing. The main stage has variable seating capacities of 416 people using a center isle seating plan. The main theatre has a 30 line set overhung fly tower with grid and Reconfigurable orchestra pit for up to 20 musicians. Next to main stage is the Studio Theatre which serves as the Green Room with adjustable seating configurations up to 74 people dependent upon its use.

SECTIONALS/GROUND PLANS

In addition to listed information, the tech specs contain the Stage ground plan, Stage sectional and circuit locator, House Repertory lighting plot & Rigging schedule. Please refer to these for detailed information concerning specific technical information and location of support facilities.

STAGE DIMENSIONS

PROSCENIUM OPENING: 40' - 0" Wide by 20'-0" High

STAGE WIDTH: 80'0" wall to wall

STAGE LEFT WING: 12' - 6" to wall

STAGE RIGHT WING: 12' - 3" to wall

PROSCENIUM LINE: 31'- 3" to back wall

PROSCENIUM LINE: 37' - 0" to last line set

PROSCENIUM LINE: 11' - 0" to Downstage Apron edge

STAGE FLOOR: 54' 0" to grid

STAGE FLOOR: 61' 0" to grid ceiling

STAGE FLOOR:

STAGE RIGHT: 17' - 3" to underside of 1st gallery ductwork

STAGE LEFT: 17' - 10" to underside of 1st gallery ductwork

APRON WIDTH: 29' - 9 1/2" (upstage width), 36' - 2" (downstage width)

APRON DEPTH: 9' - 10" at centerline

APRON HEIGHT: - 3' - 3" house level, - 9' - 6 1/4" orchestra level, - 12' - 0" storage level

APRON SIZE: 40' - 5 1/2" wide x 16' - 0" deep at orchestra level

BALCONY RAIL HEIGHT: N/A

BALCONY RAIL: N/A

HOUSE DEPTH: 66' – 6" from plaster line to back wall

1st FOH POSITION: 35' – 10" throw to center plaster line

2nd FOH POSITION: 52' – 5" throw to center plaster line

BOX POSITION: 39' – 5" throw to center plaster line

SIDESTAGE: 10' – 7" Deck side stage height

Tension grid: 22' - 9" hight from Deck to tension grid

BOOTH POSITIONS:

Sound @ rear orchestra level – house center

Lighting @ on second story level – full width house with operable windows at center

Spot positions in lighting booth on far house left and right positions 66' – 8" throw to center plaster line

STAGE/RIGGING

Floor: 4' X 8' MDF over tongue and groove sprung support – matte black painted

Stage rigging system: 30 total line sets -

Open pipes: ???

Dedicated pipes: 4 Electrics – all with permanently mounted raceways

14 House goods – 3 pipes with traveler tracks permanently mounted

2 Orchestra shell ceiling – all permanently mounted

Line set details: 60'- 0" long, 1-1/2" schedule

Max Load: 900 lbs above pipe weight

POWER

(1) 400A/3Ø 208V company switches @ stage right wing, 1 set camlocks, 1 set bare lugs

(1) 200A/3Ø 208V company switches @ stage right wing, 1 set camlocks, 1 set bare lugs

(2) 100A/3Ø 208V company switches @ back wall of grid iron, house right pro wall catwalk level

(4) 50 A/3Ø 208V outlets in light booth

MAIN STAGE LIGHTING SYSTEM

Lighting desk: ETC Congo Jr. with 40 Master side wing

Remote focus unit: YES

Dimmer system: ETC 2.4 kW dimmers

Dimmer count: 291 SPG circuits

DMX512 inputs: Light booth, Sound booth

ETCNet 3: Throughout out backstage areas, foh, Elec battens & FOH

RFU inputs: Wireless, Net3

Video Node: YES

Unison House control: Light booth, Stage Manager panel

Shore Power: Not Available

LIGHTING INVENTORY

ETC Source 4

- (19) 19° Source 4 750W
- (39) 26° Source 4 750W
- (51) 36° Source 4 750W
- (10) 50° Source 4 750W
- (16) 26° ELDT LED Series 2 Lustr with Shutter Barrel
- (16) 36° ELDT LED Series 2 Lustr with Shutter Barrel
- (76) Source 4 Par 750W with 400-MFL lens installed
 - Very Narrow Spot lens 400-VNSP
 - Narrow Spot lens 400-NSP
 - Medium Flood lens 400-MFL
 - Wide Flood lens 400-WFL
- (10) Altman 3 circuit Three cell Cyc Light 1Kw
- (8) Altman 3 circuit six cell ground row 750W
- (2) Lycian: Super ARC 400 Spotlights
- (11) Martin Mac 500 Located on Deck
- (16) Vari-Lite VL4000 Spot Located in fix positions (6 FOH) (3 1st Elec) (2 3rd Elec) (3 3rd Elec)
- (8) 16' lighting booms/50 lb base wheeled
- (34) Two-fers black
- (40) 2'-0" Side arms/tees

Stage Pin Cable 20Amp

- (73) 5'
- (33) 10'
- (20) 25'
- (5) 50'

AUDIO SYSTEM

PAT operates in-house sound for season and rental productions. Groups that carry their own FOH/monitor worlds are provided in-house power and dedicated areas for their worlds listed below.

FRONT OF HOUSE MIXING:

Rear orchestra Center seating.

Yamaha QL 5

12' D X 16' W footprint, with 4' X 8'

98 dB House SPL limit – A weighted

12" snake tunnels from FOH Sound Booth to stage left and right proscenium

Power and clear-com station available

STAGE MIXES: 16 mixes available in-house

CENTER CLUSTER LINE ARRAY: Meyer

LEFT AND RIGHT PA SPEAKER: Meyer

MONITOR WEDGES: 6 Mackie Thump 250

MICROPHONES:

4 Shure 81

6 Shure 57

6 Shure 58

2 Shure Beta 56a

2 Shure 52A

4 AKG 414 xls

2 Audio-Technica handheld

16 Shure wireless 58 handheld

16 Shure Belt

6 Countryman E6 W5

8 Countryman B6 W4mic's (moca)

2 DPA d:Fine 4066 Headworn

2 DPA d:screet 4061 lavalier microphones

ACCESSORIES:

(8) Straight, round base mic stands

(10) Tripod boom stands

(2) Large round base boom stands

(4) Short round Table/Drum stands

(2) 6 channel snake

(2) 8 channel snake

(2) 12x4 channel snake

(2) 24x4 channel snake

MISCELLANEOUS:

(4) wireless belt packs with headsets and Base station

(10) Production Intercom belt packs with headsets and Base station

Backstage/Dressing room page system from Stage Manager panel

(1) Portable Production clearcom 2 channel station with video

EFFECTS

- (1) City Theatrical SS6000™ Dry Ice Fogger
- (2) Ultratec G300 Foggers
- (2) Master FX Mystic Haze

VIDEO

- (1) Atlona 8x2 switcher controlled by Web interface
- (1) 137" X 240' Front & Rear projection screen, flown from fixed position
- (2) DVD / DVD Recorder player located in light booth
- (3) Blu-ray Player Located in light booth
- (4) Video inputs to include HDIM, DVI, VGA, SDI
- (5) SANYO, PDG-DHT8000L, 1080P DLP 8000 Lumens

A complete video distribution system allows video of the stage to be sent to green room, Dressing room, stage manager's panel and lobby.

SOFT GOODS

The theatre is equipped with the following soft goods, with all traveler curtains having 50% fullness and all masking borders and legs having 25% fullness sewn in.

- (1) Main Curtain (Wheat) 50'- 0" W x 27'- 0" H
- (1) Grand Valence (Wheat) 56'- 0" W x 6'- 0" H
- (1) Fiberglass Fire Curtain 44'- 8" W x 24'- 6" H
- (5) Black legs 10'- 0" W x 24'- 0" H
- (5) Black borders 56'- 0" W x 7'- 0" H
- (1) Black Midstage traveler 48'- 0" W x 30'- 0" H
- (1) Black Upstage traveler 48'- 0" W x 26'- 0" H
- (1) White Cyc 56'- 0" W x 24'- 0" H
- (1) White scrim 56'- 0" W x 24'- 0" H
- (1) Leno filled white scrim 56'- 0" W x 24'- 0" H
- (1) Black scrim 56'- 0" W x 24'- 0" H

All soft goods except the scrims are hung for maximum masking and any re-hanging of these goods must be cleared by the House Technical Director prior to load in.

ADDITIONAL EQUIPMENT

- (1) Workforce personnel lift, 23' bucket lift – AC powered
- (2) 12' fiberglass ladders
- (2) 8' fiberglass ladder
- (2) 3' fiberglass ladder
- (82) Wenger music stands
- (1) Conductor music stand
- (70) Black musician chairs
- (10) Black Cello musician chairs
- (20) Black Tall musician chairs
- (11) Black Plastic Student Musician Chairs
- (114) White General use plastic folding chairs
- (8) 6' folding Table
- (5) 5' Rounds folding Tables
- (10) 2' cocktail tables
- (16) 4'x 8' Wenger platforms, legs at 8", 16", 24", 32"
- (1) Steinway 9' Concert Grand Model D
- (1) Kawai satin ebony upright piano
- Full concert orchestra shell and ceiling

SUPPORT FACILITIES

Stage level dressing rooms:

- (2) Dressing room - 12' x 12' Ensemble dressing room.
each with one private dressing room 6' x 12' with sink, countertop, makeup lights
- Restroom with showers and locker room

Wardrobe room with washer and dryer, steamers, ironing boards and irons

STUDIO THEATRE TECHNICAL SPECIFICATIONS

ROOM DIMENSIONS: 40'- 0" W x 58'- 0" L

FLOOR: Wood Maple light finish

SOUND

House Limit:

Sound Playback: There are no playback devices

Harman Kardon AVR 3600 5.1

JBL Sound System

LIGHTING CONTROL

Lighting desk: ETC Express 24/48

Remote focus unit: NO

Dimmer system: ETC SMARTBAR 2 2.4 kW dimmers

LIGHTING INVENTORY

SOFT GOODS

Rectangular curtain track 38'- 0" x 14'- 0" with (6) Black Velour curtains, 26'- 0" H x 20'- 0" W with 50% fullness

OTHER EQUIPMENT

Additional equipment, such as extra mics, lighting instruments, chairs, risers, tables, etc. are dependent upon availability and need to be requested through the Technical Director.

POWER

1 400A/3Ø 208V company switches @ stage right wing, 1 set camlocks, 1 set bare lugs

1 200A/3Ø 208V company switches @ stage right wing, 1 set camlocks, 1 set bare lugs