

# Technical Specifications (Updated September 2011)

## General Description (Large Theatre)

The theatre is a proscenium arch facility with 608 seats. There are 350 seats in the orchestra section at the front of the house, and 258 seats in the upper section. The main entry is via two light traps on the left and right of the rear of the house, which connect to a transverse aisle between the orchestra and upper section. The proscenium width is 40' and the height is 20'. The maximum apron depth is 10' from the plaster line, and the stage depth is 31' from the plaster line for a total of 41' of maximum depth. The theater has a full counterweight rigging system by SECOA with 20 linesets. There are 137 2.4kw dimmers in a dimmer-per-circuit configuration. Lighting control is via an ETC Ion or an ETC Express 24/48. The sound console is a Yamaha M7CL-48 with 48 Mono Inputs, 4 Stereo Inputs and 16 Omni Outputs, and the theatre is equipped with a full 7.1 surround system. The theatre has excellent acoustics which were designed and tuned by AcenTech.

## Rigging

### Flys:

- Max height – 41'
- Min height – 4'0"
- Linesets 1-20 – Single Purchase, Operable from Floor or Mid Rail
- Battens #1 thru #14 are 56' in length, Battens #15 thru #20 are 51'6" due to obstructions.
- All Battens have a Maximum Total Capacity of 1,825lbs each.
- Standard Hang (all measurements from plaster line):
- Fire Curtain @ 0'- 3" (On a lineshaft winch built into the Proscenium)
- 1. Main Valance @ 1'- 6"
- 2. Main Curtain @ 2'- 0"
- 3. Empty @ 2'- 8"
- 4. 1<sup>st</sup> Electric @ 3'- 8"
- 5. 1<sup>st</sup> Border @ 5'- 8"
- 6. 1<sup>st</sup> Legs @ 6'- 4"
- 7. Empty @ 7'- 8"
- 8. 2<sup>nd</sup> Border @ 9'- 8"
- 9. 2<sup>nd</sup> Legs @ 10'- 4"
- 10. 2<sup>nd</sup> Electric @ 11'- 8"
- 11. Midstage Traveler @ 13'- 0"
- 12. 3<sup>rd</sup> Border @ 16'- 8"
- 13. 3<sup>rd</sup> Legs @ 17'- 4"
- 14. 3<sup>rd</sup> Electric @ 19'- 4"
- 15. 4<sup>th</sup> Border @ 22'- 0"
- 16. 4<sup>th</sup> Legs @ 22'- 8"
- 17. 4<sup>th</sup> Electric @ 24'- 0"
- 18. Empty @ 26'- 0"
- 19. White Scrim @ 27'- 4"
- 20. Cyclorama @ 28'- 8"
- Upstage Wall @ 31'-4.5"

## Stage Draperies

- Main Valence: 10' x 56' 25oz. Plum Velour, 75% Full
- Main Curtain: 22 x 29'- 6" 25 oz Plum Velour, 75% Full Qty: 2
- Legs: 22' x 15' 25oz. Black Velour, 0% Full Qty: 8
- Borders: 10' x 56' 25oz. Black Velour, 0% Full Qty: 4
- Traveler: 22' x 29'- 6" 25oz. Black Velour. Qty: 2
- Scrim: White Sharkstooth, 22' x 51'- 6"
- Scrim: Black Sharkstooth, 20' x 48'
- Cyclorama: White Seamless Muslin, 22' x 51'- 6"

## Lighting

### Instrument Inventory:

- ETC Source 4: 10 degree Qty: 26
- ETC Source 4: 14 degree Qty: 12
- ETC Source 4: 19 degree Qty: 49
- ETC Source 4: 26 degree Qty: 68
- ETC Source 4: 36 degree Qty: 68
- ETC Source 4: 50 degree Qty: 33
- ETC Source 4: 70 degree Qty: 6
- ETC Source 4: ParEA Qty: 63
- Altman: Par64 Qty: 7
- Altman: 2 Cell T-3 Cyc Wash Qty: 8
- Altman: 18" Scoop Qty: 9
- L&E 8' Ministrip 4-Circuit Strip Lights Qty: 12
- Apollo Smart Color 7.25" Scrollers Qty: 24
- Apollo Smart Power 400w Power Supply Qty: 4
- Apollo RightArm Qty: 6
- Rosco Image Pro Qty: 6
- Robert Juliat Topaze 1200w HMI Followspots Qty: 2

### Extra Lens Tubes:

- ETC Source 4: 50 degree Qty: 10
- ETC Source 4: 70 degree Qty: 6
- ETC Source 4: 19 degree EDLT Qty: 6
- ETC Source 4: 26 degree EDLT Qty: 8
- ETC Source 4: 36 degree EDLT Qty: 8

### Cable:

- Stage Pin: 5' Qty: 30
- Stage Pin: 10' Qty: 35
- Stage Pin: 25' Qty: 25
- Stage Pin: 50' Qty: 6
- Stage Pin: Two-fers Qty: 48
- Socapex: 100' Qty: 12
- Socapex: 6 Circuit Breakout Qty: 12
- Scroller Cable (4-Pin): 10' Qty: 18
- Scroller Cable (4-Pin): 25' Qty: 12
- Scroller Cable (4-Pin): 50' Qty: 6

- Scroller Cable (4-Pin): 100' Qty: 4
- DMX Cable (5-Pin): 10' Qty: 5
- DMX Cable (5-Pin): 25' Qty: 10
- DMX Cable (5-Pin): 50' Qty: 6
- DMX Cable (5-Pin): 75' Qty: 6
- DMX Cable (5-Pin): 100' Qty: 4
- Ethercon Cable (Ethernet RJ-45): 25' Qty: 10
- Ethercon Cable (Ethernet RJ-45): 50' Qty: 10
- Ethercon Cable (Ethernet RJ-45): 75' Qty: 6
- Cam-Lok Feeder 5-Wire Set (2/0): 5' Qty: 1

**Circuits (Dimmer Per Circuit):**

- FOH Catwalk – 32 Circuits (1-26, 33-35, 39-41)
- House Right Tormentors – 3 Circuits (27-29)
- House Left Tormentors – 3 Circuits (30-32)
- Mid-Rail (Stage Right) – 3 Circuits (36-38)
- Orchestra Pit – 3 Circuits (42-44)
- 1<sup>st</sup> Electric – 12 Circuits (45-56)
- 2<sup>nd</sup> Electric – 12 Circuits (57-68)
- 3<sup>rd</sup> Electric – 12 Circuits (69-80)
- 4<sup>th</sup> Electric – 12 Circuits (81-86, 129-134)
- Stage Left Proscenium – 3 Circuits (87-89)
- 4 Stage Left Floor Pockets – 3 Circuits ea. (90-101)
- 3 Rear Stage Wall – 3 Circuits ea. (102-110)
- 4 Stage Right Floor Pockets – 3 Circuits ea. (111-122)
- Stage Right Proscenium – 3 Circuits (123-125)
- Spotlight Balcony – 3 Circuits (126-128)
- Lighting Rail (Stage Left) – 3 Circuits (135-137)

**Misc Accessories:**

- 18' Boom (Schedule 40) Qty: 8
- 6' Boom (Schedule 40) Qty: 12
- 50lb Boom Base Qty: 8
- 90° Rigid Cheeseboro Qty: 12
- 18" Double-Tee Side Arm Qty: 24
- ETC Source 4: 6.25" Top Hat Qty: 36
- ETC Source 4: 7.5" Barn Door Qty: 24
- ETC Source 4: Gobo Holders Size "B" Qty: 50
- ETC Source 4: Drop in Iris Unit Qty: 12
- ETC Source 4: 6.25" Donut Qty: 50
- ETC Source 4: 12" Donut (for 10° S4) Qty: 12
- ETC Sensor+ SR12 Portable Pack (24x2.4kw) Qty: 1

## **Consoles:**

### ETC Ion 1000

- 1000 Channels
- 20 Submasters
- 1 Monitor
- Wireless RFU

### ETC Express 24/48

- 96 Channels
- 24 Submasters
- 1 Monitor

## **Company Switch:**

- 400 Amp 120/208 3 phase; 6 Camlock E1016 connectors (Double Neutral)
- 200 Amp 120/208 3 phase; 6-Camlock E1016 connectors (Double Neutral) w/ Isolated Ground

## **Sound**

### **Mixer:**

- Yamaha M7CL-48 w/ Meter Bridge
  - 48 Mic/Line Inputs
  - 4 Stereo Inputs
  - 16 Omni Outputs

### **Processing:**

- (1x) BiAmp AudiaFlex (equalization, routing, and delay.)
- (1x) Denon Professional DN-A7100 (surround sound processing)

### **Amplifiers:**

- (2x) EV CPS2.9 ( Left + Right Mains)
- (2x) EV CPS2.6 (Center Mains + Rear Surrounds)
- (5x) EV CPS2.4 (Side Surrounds + Stage Monitors + Subwoofer)

### **Speakers:**

- (4x) Renkus-Heinz TRX151T/9: Proscenium L+R
- (1x) Renkus-Heinz TRX82/12: Proscenium Center Cluster (Near)
- (1x) Renkus-Heinz TRX121T/9: Proscenium Center Cluster (Far)
- (4x) Renkus-Heinz TRX61: Left + Right Surrounds
- (2x) Renkus-Heinz TRX82/12: Rear Surrounds
- (1x) Renkus-Heinz PNX212SUB: Subwoofer (Mounted just forward of Center Cluster)
- (4x) Renkus-Heinz SGX121: Stage Monitors
- (2x) Yamaha MSP3: Booth Monitors

### **Microphones:**

- (2x) Shure VP88 Proscenium Mics (One is permanently mounted forward of the FOH Catwalk)
- (4x) Crown PCC-160 Floor Mics
- (20x) Shure ULXP14/85 Wireless Lavalier Mics

**Source Machines:**

- iPod Dock: Raxxess iRDS
- MiniDisc Player: Tascam MD-350
- CD Player: Tascam CD-01U Pro
- CD Changer: Tascam CD-355

## Projection

**Projector:**

- Christie Digital HD10K-M
  - 10,000 Lumens
  - Full HD 1080p (1920x1080 Native Resolution)
  - Permanently mounted against rear wall (cannot be moved)
  - Controlled remotely via touchscreen or wireless touchpad

**Projector Screen:**

- Permanently mounted 13' x 24' motorized screen built into proscenium opening and controlled via a switch in the booth.

**Source Machines:**

- DVD/VCR Player: LG RC797T

**Misc:**

- External projector inputs are located in the Center of the house, on the left and right sides of the proscenium and in the control booth at the rear of the house.

# General Description (Little Theatre)

The theatre is a black box facility with up to a maximum of 250 seats. The main entry is via a single door to the left of the projector screen. The room width is 40' and the length is 60'. The theater has a full fixed grid layed out in a 6' x 6' grid pattern. There are 48 2.4kw dimmers in a dimmer-per-circuit configuration. Lighting control is via an ETC Ion or an ETC Express 24/48. The sound console is a Yamaha LS9-16 with an 8 input expansion card giving it 24 Mono Inputs and 8 Omni Outputs.

## Lighting

### Instrument Inventory:

- ETC Source 4: 26 degree Qty: 6
- ETC Source 4: 36 degree Qty: 24
- ETC Source 4: 50 degree Qty: 18
- ETC Source 4: ParEA Qty: 24
- Apollo Smart Color 7.25" Scrollers Qty: 12
- Apollo Smart Power 400w Power Supply Qty: 2

### Cable:

- Stage Pin: 5' Qty: 18
- Stage Pin: 10' Qty: 18
- Stage Pin: 25' Qty: 10
- Stage Pin: Two-fers Qty: 24
- Scroller Cable (4-Pin): 5' Qty: 8
- Scroller Cable (4-Pin): 10' Qty: 8
- Scroller Cable (4-Pin): 25' Qty: 8
- Scroller Cable (4-Pin): 50' Qty: 4
- Scroller Cable (4-Pin): 100' Qty: 4
- DMX Cable (5-Pin): 25' Qty: 5
- DMX Cable (5-Pin): 50' Qty: 2
- Ethercon Cable (Ethernet RJ-45): 25' Qty: 5
- Ethercon Cable (Ethernet RJ-45): 50' Qty: 2

### Circuits (Dimmer Per Circuit):

- Grid Circuits: 3 Channels ea. (1-36, 43-48)
- Floor Circuits: 3 Channels ea. (34-42)

### Misc Accessories:

- ETC Source 4: 6.25" Top Hat Qty: 30
- ETC Source 4: 7.5" Barn Door Qty: 12
- ETC Source 4: Gobo Holders Size "B" Qty: 18
- ETC Source 4: Drop in Iris Unit Qty: 6
- ETC Source 4: 6.25" Donut Qty: 18

### Consoles:

- ETC Express 24/48
  - 96 Channels
  - 24 Submasters
  - 1 Monitor

## Sound

### Mixer:

- Yamaha LS9-16 w/ 8 Channel Expansion Card
  - 24 Mic/Line Inputs
  - 8 Omni Outputs

### Amplifiers:

- (2x) EV PA4150L
- (4x) EV PA2400T

### Speakers:

- (4x) Renkus-Heinz SGX121
- (4x) Renkus-Heinz SGX61
- (1x) Renkus-Heinz SGX12S: Subwoofer

### Microphones:

- (2x) Shure VP88 Proscenium Mics (One is permanently mounted forward of the FOH Catwalk)
- (4x) Sennheiser G2 Evolution Wireless Mics

### Source Machines:

- iPod Dock: Raxxess iRDS
- MiniDisc Player: Tascam MD-350
- CD Player: Tascam CD-01U Pro
- CD Changer: Tascam CD-355

## Projection

### Projector:

- Panasonic PT-DW6300U
  - 6,000 Lumens
  - 1440x768 Native Resolution
  - Permanently mounted in the grid (cannot be moved)
  - Controlled remotely via touchscreen or wireless touchpad

### Projector Screen:

- Permanently mounted 8' x 12' motorized screen built into grid and controlled via a switch by main entrance.