



The Performing Arts Education Center
on the campus of Calabasas High School (C-PAEC)

MainStage Theater Technical Specifications

Table of Contents

I. General

a. Loading	03
b. Parking	03
c. Addresses	03
d. Contact Information	03
e. Site Map	04
f. Building Layout – First Level	05
g. Building Layout – Second Level	06

II. House

a. Seating Capacity	07
b. Sections	07
c. Handicap Seating	07
d. Acoustic Curtains	07
e. Tech Table Position	07
f. WiFi Access	07
g. Seat Map	08

III. Stage

a. Floor	09
b. Critical Dimensions	09
c. Stage Elevator	09
d. Drapery	09
e. Company Switch	09
f. Orchestra Shell	09
g. Dance Floor	09
h. 11x17 Ground Plan (w/ Rep Soft Goods)	10
i. 11x17 Ground Plan (w/ Orchestra Shell)	11
j. 11x17 Section	12

IV. Rigging

a. Counterweight Line Sets	13
b. Prodigy Hoist	13
c. Pin Rail	13
d. Line set Schedule	14

V. Lighting

a. Control	15
b. Data	15
c. Dimming	15
d. Rep Plot – Description	15
e. Inventory	16
f. Spot Lights	16

VI. Audio

a. Mixing Console	17
b. Amplification	17
c. Playback/Recording	17
d. Distribution	17
e. Microphone Inventory	18
f. Audio Equipment Inventory	18

VII. Projection/Video:

a. Front Projection	19
b. Rear Projection	19

I. General:

a. Loading:

- i. The loading dock is located on the NorthWest Corner of the Building.
- ii. Access is at street level through the scene shop via the 10'Wx12'H loading door.
- iii. The stage is accessed through the 10'Wx16'H sliding stage door exiting the scene shop, across the backstage corridor, and through the 10'Wx16"H sliding stage door on the upstage wall of the theatre.

b. Parking:

- i. Free, surface-level patron parking is available adjacent to the Performing Arts Education Center during events.
- ii. The PAEC provides Parking Passes for up to 10 cars for calls scheduled during school hours.

c. Addresses:

Location:

The Performing Arts Education Center
on the campus of Calabasas High School
22855 Mulholland Hwy.
Calabasas, CA 91302

Mailing Address:

The Performing Arts Education Centers
Las Virgenes Unified School District
4111 North Las Virgenes Rd.
Calabasas, CA 91302

d. Contact Information:

Theater Manager

Gilles Chiasson
(818) 591-1209, ext. 2
theatermanager@lvusd.org

C-PAEC Technical Director

Brian Ludmer
(818) 591-1209, ext. 5
bludmer@lvusd.org

C-PAEC Box Office

(818) 591-1209, ext. 1

Calabasas High School
22855 Mulholland Hwy
Calabasas, CA 91302
(818) 222-7177

Principal
CJ Foss

Hummingbird Street

Student Parking

Student Drop Off

ENTRANCE

HANDICAPPED PARKING

LOADING DOCK

Valmar St

Student Parking

Tennis Courts

Performing Arts Education Center

ENTRANCE

Mulholland Hwy

ARTIST ENTRANCE

OUTDOOR PATIO

Football Stadium

Student Drop Off

To Baseball Field

Swimming Pools

Athletic Field Office
T34
T33

Snack Shack

Staff Parking

Visitor's Parking

Administration Office
Counseling Office (Second Floor)

Lecture Hall

Student Center

Choir Room

Music

Band Room

Boy's Locker Room

Girl's Locker Room

Dance Room

Gym

Weight Room

Outdoor Stage

Theater

Rear Faculty Entrance

Student Store

Cafeteria

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PA

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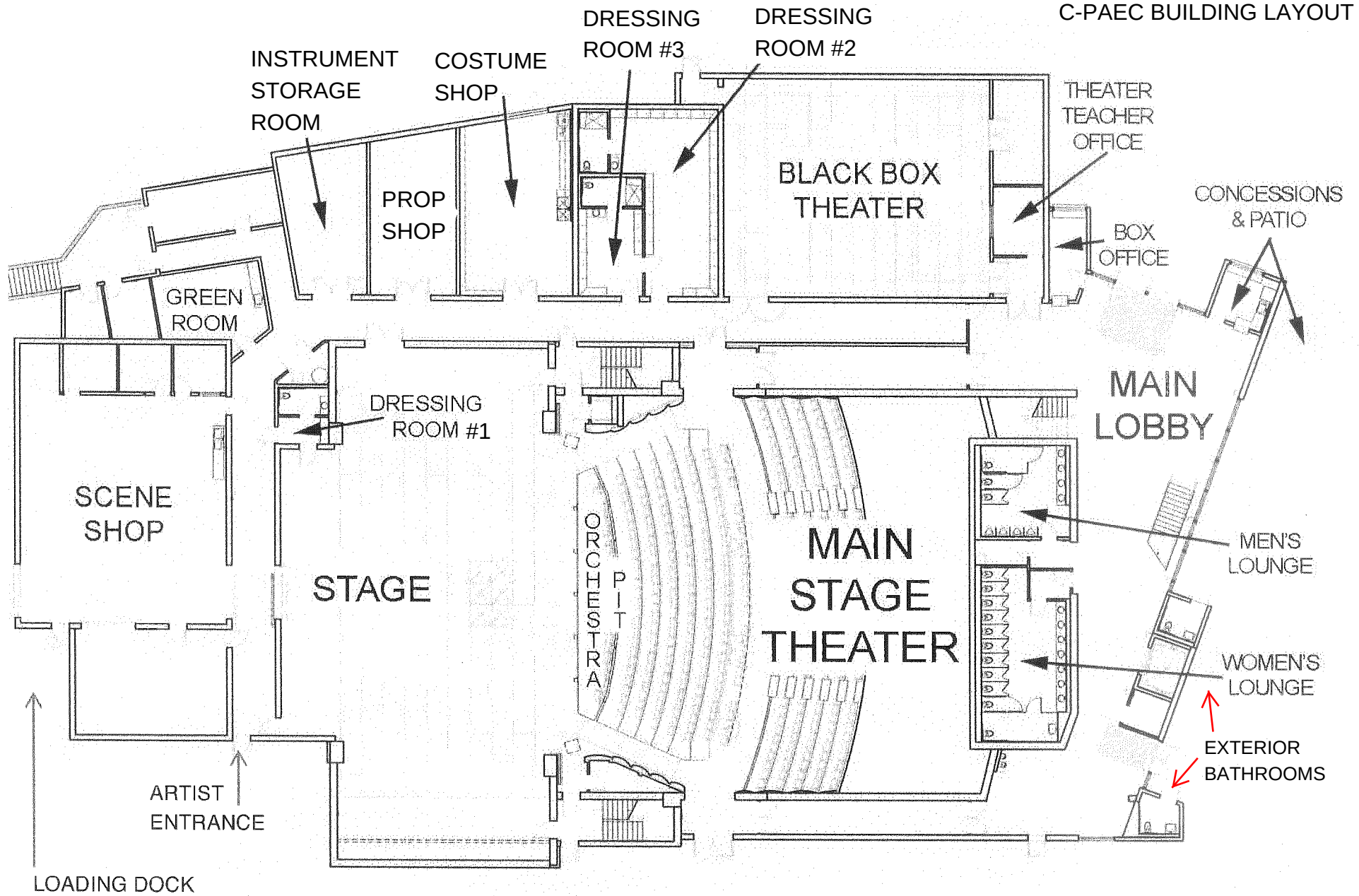
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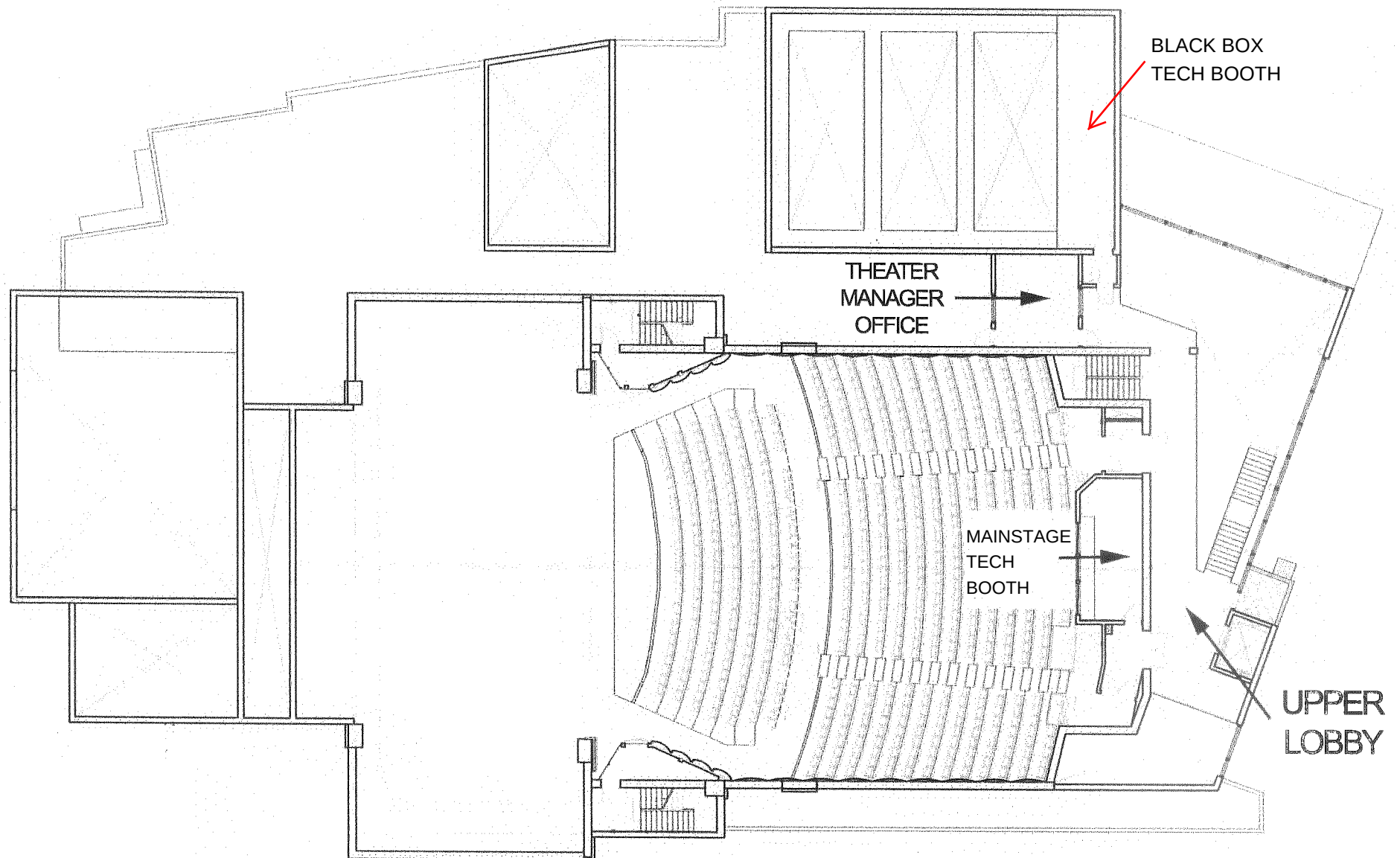
C-PAEC BUILDING LAYOUT



1

FIRST LEVEL PLAN

C-PAEC BUILDING LAYOUT



1 SECOND LEVEL PLAN

II. House:

a. Seating Capacity:

- i. Fixed seating capacity: 646
- ii. Seating Capacity with flexible seating on orchestra lift: 679

b. Sections

- i. Orchestra Lift Section
 - 1. Rows AA & BB
 - 2. 33 seats
- ii. Orchestra Section
 - 1. Rows A through G
 - 2. 196 Seats
 - 3. All seats in the section have fold-out tablet arms which can be used as desks for writing, laptops, etc.
- iii. Dress Circle Section
 - 1. Rows H through W
 - 2. 450 Seats

c. Handicap Seating:

- i. Six (6) wheelchair accessible seats
- ii. Seven (7) transfer seats
- iii. Six (6) dedicated companion seats

d. Acoustic Curtains:

- i. The entire catwalk system above the audience chamber is lined with acoustical curtains, which allow you to customize the tuning of the space for each specific event.

e. Tech Table Position:

- i. Tech table can be established in the center of the house on the MainStage Audience Crossover that separates the Orchestra and Dress Circle sections in the audience chamber

f. WiFi Access

- i. A WIFI network is available throughout the building for clients.

II. Stage:

- a. Floor:** ¼" tempered Masonite over 1 1/8" tongue and groove plywood.
- b. Critical Dimensions:**
 - i. Proscenium Height:** 22'
 - ii. Proscenium Width:** Variable from 59'-6" to 40' Wide
 - iii. Useable stage depth from Plaster line:** 34'
 - iv. Apron edge to plaster line @ CL:** 13'-6"
 - v. Clearance Under SL Catwalk:**
 - vi. Clearance Under SR Locking Rail:**
 - vii. Grid Height:** 55'
 - viii. Distance from Grid to battens w/ battens out:** 3'-6"
- c. Stage Elevator:** Stage is equipped with a Serapid Orchestra pit lift. The lift is 7'-4" deep from the tip of the apron (along the CL) and 44'-6" wide on the upstage edge.
 - i. Lift Capacity:** Dynamic Load: 50 lbs./sq. ft. max. 14,000 lbs.
Static Load: 150 lbs./sq. ft. max 42,000 lbs.
 - ii. Travel Speed:** 4.5 feet/min.
 - iii. Built-in stops:** The lift has 3 built in stops at the stage level, the audience seating level, and the Orchestra pit level.
 - iv. Flexible Seating:** 33 additional audience seats can be added to the orchestra lift to supplement standard house capacity.
- d. Drapery:**
 - i.** 4 Black Velour Legs: 23'Hx12"W
 - ii.** 4 Black Velour Borders: 99'Wx9'H
 - iii.** 2 Full-stage traveler curtains, black velour: 23'Hx34'-6"W (2 each)
 - iv.** 1 Main Curtain traveler, red velour: 28'Hx34'-6"H (x2)
 - v.** 1 Gray Sharkstooth Scrim: 66'Wx24'H
 - vi.** 1 Black Sharkstooth Scrim: 66'Wx24'H
 - vii.** 1 White Vinyl Cyclorama 66'Wx24'H
- e. Company Switch:** 400 amp, three-phase, five wire, 120/208V company switch. Connection is Cam-Lok or bare leads. Located on the backstage left wall.
- f. Orchestra Shell:** Wenger "Diva" Acoustical Shell System
- g. Dance Floor:** Harlequin "Cascade" Vinyl Dance Floor

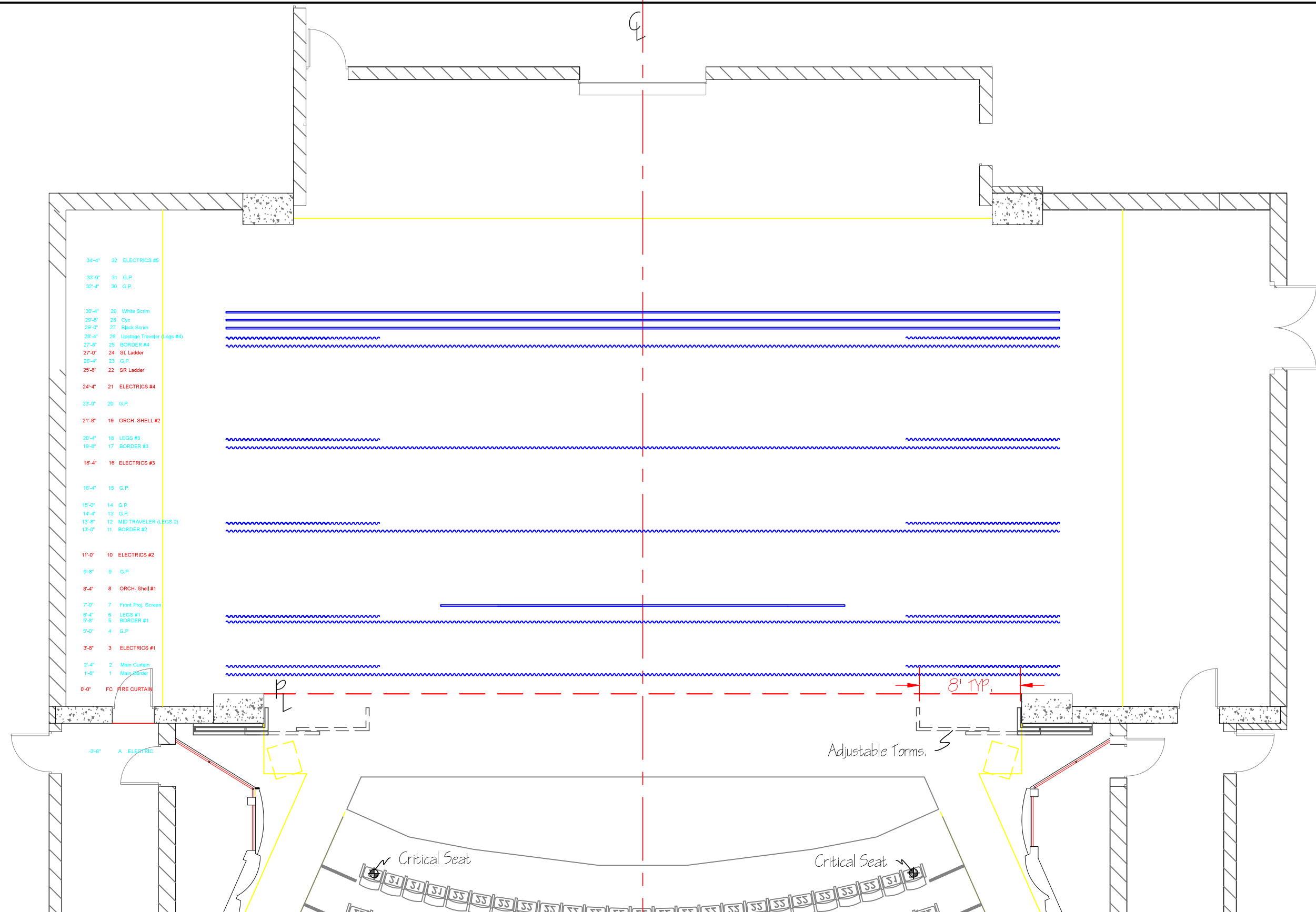


PLATE:

2

Of 5

CPAEC Stage G.P. in Rep. Configuration

Scale $\frac{1}{8}'' = 1' - 0''$

Drawn by: B. Ludmer

Revised
20 January 2015

Approved by:

CPAEC

Theatre Manager:
Gilles Chiasson

Technical Director:
Brian Ludmer

Contact:

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Calabasas CA 91302
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Notes:

- Line set Schedule represents Rep. configuration
- The content of all line sets identified in red are not moveable
- The content of any line set not identified in red is moveable however additional labor costs will be incurred for moving and for the restore back to rep. configuration
- See the 'CPAEC Lighting Rep. Plot' for specific lighting information

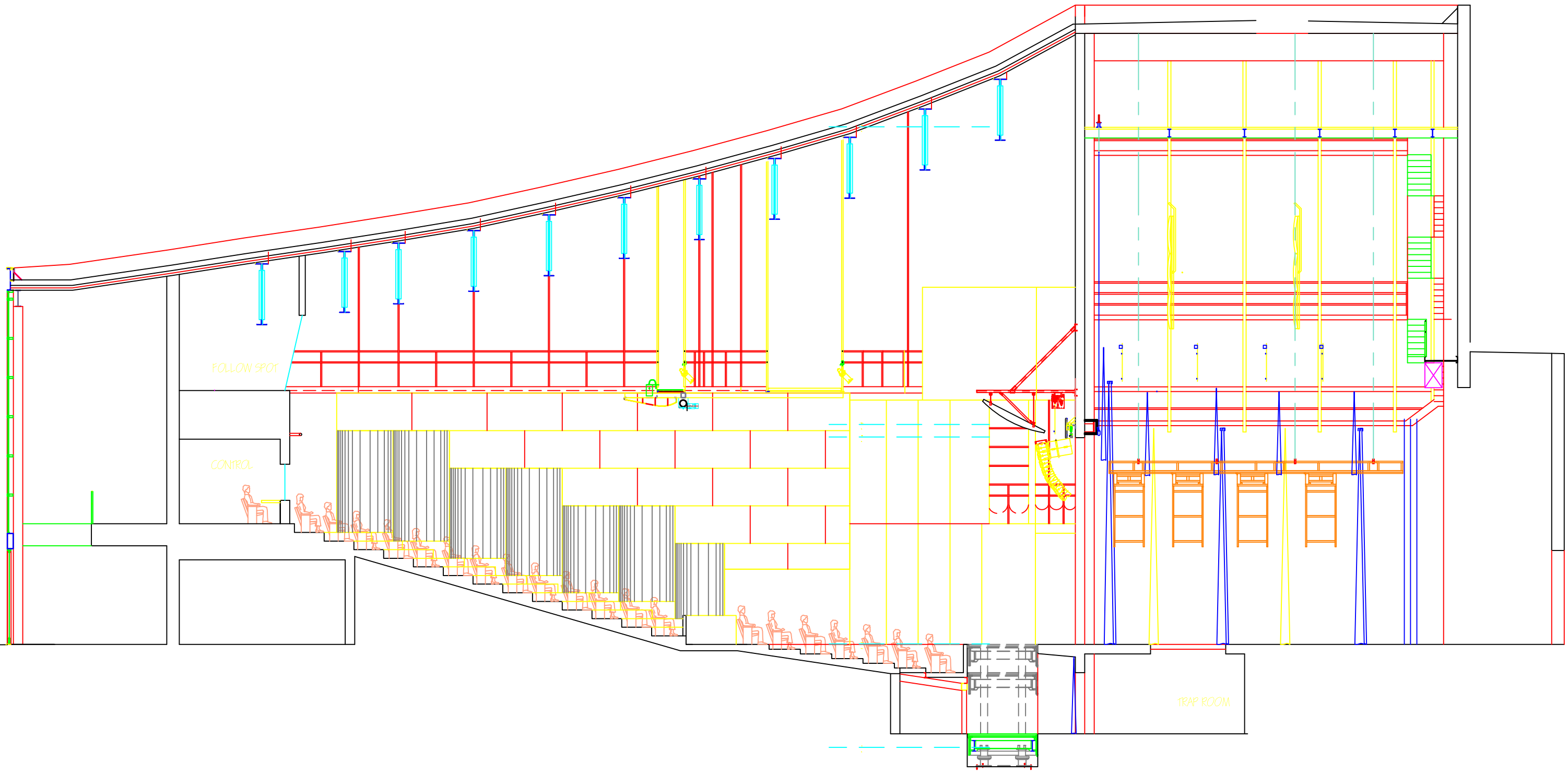


PLATE:

4

OF 5

CPAEC Centerline Section

Scale $\frac{3}{32}'' = 1'-0''$

Drawn by: B. Ludmer

Revised 27 August 2014

Approved by:

CPAEC

Theatre Manager:
Gilles Chiasson

Technical Director:
Brian Ludmer

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Notes:

- Line set Schedule represents Rep. configuration
- The content of all line sets identified in red are not moveable
- The content of any line set not identified in red is moveable however additional labor costs will be incurred for moving and for the restore back to rep. configuration
- See the 'CPAEC Lighting Rep. Plot' for specific lighting information

III. Rigging:

- a. Single-Purchase Counterweight Line Sets:** See theatre GP and line set schedule for more details.
 - i. 32 counterweight line sets Total.
 - 1. 2 line sets dedicated for the overhead orchestra shell panels
 - 2. 4 line sets dedicated to electrics with overhead raceways
 - 3. 2 line sets dedicated to side lighting pipes
 - 4. 24 general purpose line sets
 - ii. Point load capacity on G.P. battens: 133 lb.
- b. Prodigy Hoist:** Motorized electric batten. Approx. 3'-6" downstage of plaster line. Point load capacity: 170 lbs. 1500 lb. max capacity.
- c. Pin Rail:** Upon Request.

d. Line Set Schedule

<u>Line set #</u>	<u>Distance U.S. of Plaster Line</u>	<u>Content</u>
1	1'-8"	Main Border
2	2'-4"	Main Curtain
3	3'-8"	Electric #1
4	5'-0"	G.P.
5	5'-8"	Border #1
6	6'-4"	Legs #1
7	7'-0"	Front Projection Screen
8	8'-4"	Orchestra Shell #1
9	9'-8"	G.P.
10	11'-0"	Electric #2
11	13'-0"	Border #2
12	13'-8"	Mid-Traveler (Legs #2)
13	14'-4"	G.P.
14	15'-0"	G.P.
15	16'-4"	G.P.
16	18'-4"	Electric #3
17	19'-8"	Border #3
18	20'-4"	Legs #3
19	21'-8"	Orchestra Shell #2
20	23'-0"	G.P.
21	24'-4"	Electric #4
22	25'-8"	SR Ladder
23	26'-4"	G.P.
24	27'-0"	SL Ladder
25	27'-8"	Border #4
26	28'-4"	Upstage Traveler (Legs #4)
27	29'-0"	Black Scrim
28	29'-8"	Cyc
29	30'-4"	White Scrim
30	32'-4"	G.P.
31	33'-0"	G.P.
32	34'-4"	Electric #5

Red indicates line sets where the content is not moveable
G.P.' indicates a "General Purpose" batten (empty pipe)

IV. Lighting:

- a. **Control:** Main stage lighting console is an ETC Ion 1500 with 2x20 fader wing.
- b. **Data:** ETC Net 3 Ethernet network with multiple patch points throughout the theatre.
- c. **Dimming:**
 - i. **Main Dimmer Racks:** 3 ETC Sensor Racks, 240 Dimmers in main stage theatre. Dimmer room is located on the stage right side of the catwalk level above the house.
 - ii. **Portable Dimmer Rack:** Portable sensor rack with 24 dimmers is located on the backstage left catwalk which controls the cyclorama lights on the 5th electric upstage of the cyc.
 - iii. **Distribution:** Consult the theatre rep. lighting plot for more detailed information.
 - 1. **4 onstage electrics:** Each onstage electric has an overhead raceway with stage pin connectors, 2 ETC net ports, 120V, and 208V power.
 - 2. **Advance electric (Prodigy Hoist):** ETC net, stage pin connectors, 110V, and 208V power
 - 3. **Cyc Lights “5th Electric”:** A G.P. line set upstage of the cyc has been designated for the cyc lights. Power for the portable dimmer rack has been dropped to this pipe for this purpose.
 - 4. **3 APs (Front of House Electrics):** ETC net, stage pin connectors, 110V, and 208V power
 - 5. **2 Box Booms/Side Lighting Positions:** Down stage of the proscenium, stage pin connectors, ETC net port, 110V power
 - 6. **Light Ladders:** 2 line sets have been designated to the light ladder pipe positions on either side of the stage. The pipes are perpendicular to the proscenium off-stage right and left. Each pipe has 4 light ladders supplied by Socapex drops from the grid.
 - 7. **Net 3 Gateway Nodes:** 3 portable nodes are available to supply an additional universe of channels (512 channels) over ethernet and/or to adapt DMX to ethernet.
- d. **Rep. Plot:** The PAEC maintains a rep. lighting plot encompassing our entire instrument inventory to provide versatile and comprehensive lighting for various events. If any fixtures are changed for a production they must be restored to their original focus and position during strike.

e. Inventory: (In rep. plot configuration)

Qty.	Instrument Type	Wattage
7	Source Four Zm, 15 deg.-30 deg.	750
7	Source Four, 10 deg.	750
20	Source Four, 14 deg. DD	550
12	Source Four, 19 deg.	575
40	Source Four, 19 deg. DD	550
105	Source Four, 26 deg.	575
64	Source Four, 36 deg.	575
8	Source Four, 50 deg.	575
50	Source Four PAR MFL DD	550
5	12 cell-4 circuit Ground Cyc	550
9	4 cell Cyc	550

f. Spot Lights:

- i. 2 Lucidellaribalta (LDR) Canto 1200s. 1200W spotlight with 5 color gel changer, iris, and shutter.
- ii. 2 Source Four follow spot yolks.

V. Audio:

- a. **Mixing Console:** Yamaha M7CL
- b. **Amplification:**
 - i. **QSC Line Arrays house right and house left:** 8 QSC WL2082-I loudspeakers per array.
 - ii. **Sub-woofers:** 2 QSC GP118-sw sub-woofers
 - iii. **Portable Speakers (monitors):**
 - 1. 10 Renkus-HeinzSGX121 passive loud speakers
 - 2. 4 Mackie SRM150 powered speakers
- c. **Playback/Recording:**
 - i. **Mac Mini:** OSX Mac Mini with Q-lab video/audio playback software, iTunes, and QuickTime
 - 1. **Qlab Compatible Audio File Types:**
 - a. iTunes Audio (.m4a, .m4b, .m4p)
 - b. mp3
 - c. Core Audio (.caf)
 - d. AIFF
 - e. AU
 - f. SD2
 - g. WAV
 - h. SND
 - i. AMR
 - ii. **Tascam CD Player/Recorder**
- d. **Distribution:** Ethersound Digital Audio Network
 - i. **XLR Patching:** 48 ethersound board inputs patchable to various XLR ports throughout the theatre
 - 1. **Mic Lines:** 48 XLR "Mic" inputs
 - a. 12 inputs on backstage left box
 - b. 12 inputs on backstage right box
 - c. 12 inputs on upstage wall box
 - d. 12 inputs in various other locations
 - 2. **Tie Lines:** male and female XLR ports patchable as inputs or outputs
 - a. 4 tie line ports on backstage right box
 - b. 4 tie line ports on backstage left box
 - c. 4 tie line ports on upstage wall box
 - ii. **Speakon Patching:** 6 amp-outs patchable to various speakon ports throughout the theatre
 - a. 4 speakon ports on backstage right box
 - b. 4 speakon ports on backstage left box
 - c. 4 speakon ports on upstage wall box
 - d. 2 speakon ports in orchestra pit floor pocket

e. Microphone Inventory:

Qty.	Microphone:	Type:
8	Shure SM58	Dynamic Cardioid Vocal Mic
8	Shure Beta 57A	Dynamic Supercardioid Mic
4	SM81	Cardioid Condenser Instrument Mic
4	Sennheiser MD-421	Dynamic Cardioid Mic
4	DPA 4061	Omni Condenser Instrument Mic Kits
5	Crown PCC-160	Cardioid Condenser Floor Mic
4	Audio-Technica U853R	Cardioid Condenser Hanging Mic
	Shure DMK57-52 Drum Mic Kit:	
1	-Beta 52A	Kick Drum Mic
3	-SM57	Drum Mic
	Wireless Mics:	
8	Shure ULXD Dual Channel Wireless Receivers	
16	ULXD2 (Beta 87A) Wireless Handheld Mic	
16	ULXD1 Wireless Bodypack Transmitter	
2	Sennheiser Wireless Receivers	
2	Sennheiser ew 300 G3 Handheld wireless Mic	
2	Wireless body pack transmitter	

f. Audio Equipment Inventory:

i. Mic Stands: 15 Ultimate Support Pro-SB Mic Stands

ii. DI Boxes:

1. 4 Stereo DI boxes: stereo XLR in, ¼" TRS and RCA out
2. 8 Mono DI Boxes

VI. Projection:

a. Front Projection

i. Projector: Panasonic DLP DZ21 20K lumen Projector. Projected onto front projection screen (32'Wx20'H) or Cyclorama.

ii. Playback:

1. The FOH Projector may be connected to the Mac Mini show control computer at the sound board for video playback through Qlab, Quicktime, etc.
2. Or, the FOH projector may be connected to any computer/player with a mini-display port, HDMI, VGA, DVI, or RCA connection.
3. Local Ethernet network allows for video source to be located at various positions throughout the theatre. (i.e. backstage, tech booth, catwalk, etc.)

4. Video Files compatible with Qlab:

- a. QuickTime Movie (.mov)
- b. MPEG-4 (.mp4, m4v)
- c. MPEG-2
- d. MPEG-1
- e. 3GPP
- f. 3GPP2
- g. AVCHD
- h. AVI
- i. DV

b. Rear Projection: 6 Projector array rear projected on cyclorama

i. Projectors: 6 Panasonic DLP DZ7700 7K lumen Projectors

ii. Media Servers/Show Control: Dataton WATCHOUT media servers and software. All media must be imported into WATCHOUT for rear projection playback.