

# PEROT THEATRE

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## Technical Information

### I. Stage Dimensions

**A. Proscenium:**

Width.....	44' 4"
Width less base trim .....	43' 4"
Height.....	23' 10"

**B. Centerline To:**

Stage Right Wall .....	37' 4½"
Stage Left Wall .....	31' 7"

**C. Plaster Line To:**

Back Wall.....	32' 3"
Last Pipe.....	29' 0"
Grand Drape .....	2' 1"
Front Lip of Stage .....	3' 0"
Front Lip of Stage with Pit Extension.....	7' 0"

**D. From Deck To:**

Grid .....	55' 6"
Pin-Rail Floor.....	24' 8"
Air Vent (SR & SL) .....	21' 3"
Air Vent (back wall).....	21' 3"
House Floor.....	3' 4"
Orchestra pit floor .....	7' 4"

**E. Loading Door Clearance:**

Width.....	7' 5½"
Height.....	9' 6"
Diagonal .....	11' 8"
Height from alley .....	0' 5"

*Loading door is located on west side of building, off alley, with direct access to USL. House has ramp to negotiate lip.*

**F. Other Dimensions: (distances are approximate)**

Stage to back of main floor .....	73' 6"
Stage to back of balcony .....	113'
Stage to control booth .....	93'
Stage to touring sound booth.....	66' 6"
Throw from cove to center.....	84'
Throw from balcony ladder to center.....	59'
Cable run from stage to touring sound booth.....	115'

**G. Touring Sound Booth: (located at the back of the HR orchestra seating)**

Depth.....	7'
Length .....	12'

**II. Stage Rigging**

**A.** (22) general-purpose hemp line sets (3 with angled extensions for legs) are “4 rope” sets with 5/8” “Multiline II” rope & sand bagged from the pin rail. All Hemp linesets have a 500lb limit.

**B.** (6) single purchase line sets (Grand Drape, Projection Screen, & 4 Electrics) have floor mounted locks & are operated SR. All single purchase line sets have a 1200lb arbor capacity.

**C.** (3) Motorized sound shells

D. Battens & electrics are schedule 40, 1¾” OD, pipe and approximately 50’ in length

E. Soft Goods: *(for standard placement see Line Set Schedule)*

- Grand Valence (blue with gold trim) ..... dead hung in front of proscenium
- Grand Teaser (blue)..... 10’ 0” H x 50’ 0” W
- Grand Drapes (2 panels, blue with 75% fullness, flown only) ..... 25’ 0” H x 26’ 0” W
- Black Borders (4 - 0% fullness) ..... 10’ 0” H x 50’ 0” W
- Black Legs (4 pairs – 0% fullness)..... 28’ 0” H x 12’ 0” W
- Black Curtains (2 panels – no track) ..... 28’ 0” H x 30’ 0” W
- Shark Tooth Sheer Scrims (2 – 1 black , 1 white)..... 30’ 0” H x 50’ 0” W
- Leno Filled Scrims (2 opaque – 1 black cyc, 1 white cyc) ..... 30’ 0” H x 50’ 0” W

F. Grid is original wooden grid with 18,000lb weight capacity and a 1,000lb point load per point. The weight capacity includes all weight on linesets, electric winches, and any added tour trusses, sound stacks, and scenic elements.

G. There are no rigging points downstage of proscenium.

**III. Dressing Rooms**

*All dressing rooms have privacy locks. Capacities give indicate mirror spaces. Some rooms can accommodate more. All dressing rooms have make-up counters with lighted mirrors, showers, sinks, toilets, & clothes lockers. Paging system to dressing rooms is located at the Stage Managers position DSR.*

A. Stage Level, Off SR

Two Rooms [A & B] for 2 persons each

B. Downstairs (beneath stage)

Two rooms [D & E] for 4 persons each, approx. 9’ 0” x 10’ 6”

Two rooms [C & F] for 16 persons each, approx. 15’ 6” x 22’ 6”

C. Visiting production office is of SL

D. Company lounge & green room area is downstairs SL

Note: All dressing rooms can be reached from DSL or DSR via a crossover corridor under stage. A layout of basement is available upon request.

**ABSOLUTELY NO TOBACCO ALLOWED IN DRESSING ROOMS OR ANYWHERE IN BUILDING. (City Ordinance: \$200 Fine)**

**IV. Orchestra Pit & House**

- A. Total auditorium seats are **1,542** with **716** seats, **8** wheelchair spots, & 2 boxes with **4** seats each on main floor, and **798** seats & 2 boxes with **6** seats each in the balcony.
  
- B. **Orchestra Pit Dimensions**
  - Width at center ..... 8’ 0”
  - Width at ends.....2’ 0”
  - Length .....45’ 0”
  - Depth from stage floor ..... 7’ 4”
  - Depth from house floor ..... 4’ 0”
  - Stage floor overhangs pit.....2’ 8”

**V. Lighting System**

- A. **Control:** ETC Ion 1000 with a 2x20 fader wing and two (2) touchscreen monitors. If you have questions about particular options, please call for further information.
- B. **Dimming:** (installed Sept 1994) Electronic Theatre Controls (ETC) DMX “dimmer per circuit” system with one hundred and eighty (180) 2.4k “Advanced Features” dimmers in two “Sensor” racks. Dimmers can also be designated as non-dim through software patch profile.
- C. **Inventory:** Mostly Strand Century with a few Altman 360Q’s & ETC Source 4’s. All ellipsoidal instruments have pattern slots. All connectors are 3-wire stage pin. All instruments have “C” clamps, safeties, and color frames.

<b>Instrument Brand/Size/Type</b>	<b>Lamp/Wattage</b>	<b>Quantity</b>
Strand Century 6 x 9 Ellipsoidal	EHG 750	18
Altman 360Q 6 x 9 Ellipsoidal	EHG 750	10
Strand Century 6 x 12 ( <i>double lens</i> ) Ellipsoidal	EHG 750	36
Strand Century 6 x 16 Ellipsoidal	EHG 750	18
ETC Source four 14 degree Ellipsoidal	HPL 750	10
Strand Century 8 x 13 Ellipsoidal	FEL 1k	17
ETC Source four 10 degree Ellipsoidal	HPL 750	10
Strand Century 10 x 23 Ellipsoidal	FEL 1k	15
Strand Century 6” Fresnel	BTN 750	20
Strand Century 8” Fresnel	BVT 1k	12

ETC Source 4 pars w/ all lenses	HPL 750	36
Strand Century 14" Floodlight ( <i>scoops</i> )	EKG 750	8
Strand Century 3 cell Far Cyc light	FFT 1k	5
Altman R40 Borderlight ( <i>6' – 4 circuit</i> )	300w Flood	6
Lycian 1275 Super Star 1.2 Followspot	HB 1.2k	2

**D. Accessories:** (*i.e. barn doors, pattern holders, booms, cable, etc.*) available in limited quantities. Call for specific needs. House stocks **ROSCOLUX GEL ONLY!** Please specify “Rx” or give acceptable Roscolux substitutes.

**E. Circuit Numbers**

- a. FOH Cove – 20 circuits
- b. House Box Booms(Ladders) – 8 circuits per boom
- c. 1<sup>st</sup> Electric – 36 circuits
- d. 2<sup>nd</sup> Electric – 18 circuits
- e. 3<sup>rd</sup> Electric – 18 circuits
- f. 4<sup>th</sup> Electric – 20 circuits
- g. 4 Drop Boxes – 4 circuits per box
- h. 8 Floor Pockets – 4 circuits per pocket with 4 on each side of the stage

**F. Company Power Switches:**

- a. 3 phase/5 wire (“*water pipe*” 5<sup>th</sup> wire ground), 400 amps per leg, USR. Requires bare tails
- b. 3 phase/5 wire, 400 amps per leg, USR. Requires cam locks.

**G. Personnel Lift:** Up-Right Model UL-24/30 available for onstage focus. Maximum platform height is 24’ 0”.

**H. House Lights:** (*ETC “Analog Address” system*) Dedicated dimmers controlled from DSR or control booth with instant on “panic” switch located in lobby and control booth. (*lobby “panic” switch can be locked out from booth*)

**I. Work Lights:** (*ETC “Analog Address” system*) Connect through stage dimmers and controlled from stage or booth.

## VI. Sound System

A. **Control:** “Open Air sound/light control booth contains the following equipment:

Midas M32 40-channel digital mixer.....	1
Denon CD player with Ipod dock .....	1
Sony CD player.....	1

B. **Speakers & Amplification:** *signal processed by Rane GE equalizers tuned to the hall*

**Cluster:** (2) JBL SR4732 3-way, bi-amp cabinets driven by QSC amplification located at center top of proscenium arch.

**Orchestra Fills:** (2) JBL MR-825 2-way, full range cabinets driven by Crown amplification located underneath the upper boxes

**Sub:** (1) JBL IRX115-BT 15” powered sub located inside the orchestra pit

**\*Note: House PA is mono system with left and right pan being center cluster and orchestra side fills.**

**Monitor Speakers:** Monitors are driven by Crown amplification.

- a) (2) Klipsch 2-way, full range wedges driven by Crown amplification.
- b) (2) Klipsch Heresy monitor speakers

C. **Inventory:**

Microphones: Shure SM 58 .....	2
Shure SM 57.....	2
Shure SM 59.....	2
Crown PCC .....	2
Crown PZM.....	2
Cables: 25’ XLR .....	25
50’ XLR .....	5
100’ XLR .....	1

	50' quarter jack .....	4
	50' male to female quarter jack.....	1
	25' male quarter jack to speakon .....	2
	50' male quarter jack to speakon .....	2
Stands:	Heavy base mic stands .....	9
	Boom attachments .....	4
	12" gooseneck.....	1

**D. Jacks:**

Microphone Jacks: <i>(2 digital snake boxes with XLR 3 pin connectors)</i>		
	SR proscenium wall .....	16
	SL proscenium wall.....	16
Monitor Jacks: <i>(Speakon NL4 jack connectors)</i>		
	DSR box proscenium wall .....	1
	SRC box side wall.....	1
	DSL box proscenium wall.....	1
	SLC box side wall .....	1

**E. Communications:** Clear-Com system with 7 Clear-com wired headsets and belt packs, 10 Pro-Intercom wired headsets and belt packs, and 8 Eartec wireless headsets. Permanent com locations: DSL, DSR (*Stage Manager's Booth*), Pin Rail, Sound/Lighting Booth, HR & HL spot positions, and touring sound booth.

**PEROT THEATRE ACCOUSTICS**

**Acoustics at the Perot are quite good throughout the theatre, although balancing mid-balcony with lower level can be a challenge at times.**

**The Perot Theatre Management shall retain all right of control of sound pressure levels within the theatre building. Sustained sound pressure levels shall not exceed 95 dB measured from the front of the balcony in the center of the auditorium on a "C" weighted scale.**

**We ask for your cooperation in finding & maintaining a suitable level. THANK YOU!**

## VII. Video

### A. Video Components

- a. Digital Projection M-Vision 21K WU Laser Projector
- b. Digital Projection M-Series 2.0-4.0:1 Lens (to be used with larger screen)
- c. Digital Projection M-Series 4.0-7.0 Range Lens (to be used with smaller screen)
- d. 22x40 perforated silver movie screen
- e. 9x16 white screen
- f. Denon DN-500BDMKII Blu-Ray Player
- g. (2) Mini Display Port to HDMI adapters
- h. Various HDMI cables
- i. (2) 25' BNC cables
- j. Various short BNC cable jumpers
- k. HDMI to VGA adapter

### B. Inputs/Outputs (all inputs and outputs are either HDMI or BNC)

- a. Stage right proscenium wall
- b. Stage left proscenium wall
- c. Touring lighting/audio booth
- d. House lighting/audio balcony booth
- e. Projection booth

## VIII. General Notes

- Steinway 9' Grand Piano is stored on stage in the DSR wing alcove and may not be removed from the stage.
- Lack of wing space generally requires back loading empty roadboxes to trailer or stacking in alley.
- ***Smoking in facility is strictly forbidden by Fire Marshall.*** Performances that include any kind of smoke or pyrotechnics need at least a 60 day notice for special authorization, permits, & insurance certificates to be secured.
- No food is allowed on stage or in the auditorium. Drinks are only in allowed in auditorium in Perot management approved containers. Only bottled water is allowed on stage. A hospitality area may be designated if necessary.
- Washers and dryers are located downstairs in the stage left side of the basement.



**Any questions not addressed by this packet may be referred to the Perot Theatre's  
Technical Director.**

**Please give us a call at (903)792-4992.**

**We look forward to working with your staff.**

Noah T Crissman.....Technical Director