

The Grand 1894 Opera House  
Galveston Island, Texas

**Technical Package**

Updated – September 2011

This compilation has been created to fulfill all requests for technical information from production companies and or renters who seek technical and structural details needed to advance plan events. Our intention in this creation is to anticipate the standard of information contained in the majority of production questionnaires presented to The Grand. In the event, the information you require is not contained within this compilation. Direct all technical and structural questions to:

*Jeffery M. Pye*

*Technical Director*

*IATSE #51*

Business (409) 770-5071

Cell (409) 771-3822

Fax (409) 766-1546

Email: [jpye@thegrand.com](mailto:jpye@thegrand.com)

Please contact me with any advance technical information for all departments. For the sake of efficiency, please, allow me to organize and pass along technical details regarding your production to House Department Heads. Catering and hospitality are handled by House Manager Marie Armstrong 409-770-5054. Hotel and travel arrangements are handled by Executive Director Maureen M. Patton.

Please contact the business office.

The Grand 1894 Opera House  
2020 Postoffice Street  
Galveston, Texas 77550  
Website: [www.thegrand.com](http://www.thegrand.com)

Maureen M. Patton

Executive Director

Email: [mpatton@thegrand.com](mailto:mpatton@thegrand.com)

## General Information

Business Office Phone

409-763-7173

409-763-1068 (office fax only)

Box Office Phone

409-765-1894

800-821-1894

Production Office Phones

409-766-1546

409-763-1862

### Directions to The Grand:

Interstate 45 South from Houston to Galveston Island. Interstate becomes Broadway. Continue on Broadway to 21<sup>st</sup> Street. At the traffic light turn left. Continue 5 blocks to Postoffice street. Turn right to find The Grand on left hand side. Continue 2/3 down the block to find double door loading dock.

### Parking Policy:

Tractor trailers may park at the dock. Overflow on Postoffice St. Crew and cast buses may park, with the engines off, at the barricaded area on north side of street **ONLY**. Shore power hook up is available.

Trailers may stay at the dock for the run of the show but tractors must be unhooked and parking of the tractors are the responsibility of the transportation/production company. Overflow trailers will be accommodated. South side of Postoffice street parking is prohibited due to The Galveston Transit System Trolley traffic. **You will be towed at your own expense.** The Grand loading dock is patrolled by a local towing company; therefore, any and all personally owned vehicles are subject to towing at owner's expense, unless proper authorization and necessary permits are obtained.

(See Jeffery M. Pye, **ONLY**, for authorization and permits)

Parking permits must be returned at the end of the run without fail.

Garbage dumpster must not be blocked under any circumstances.

The Grand can and will accommodate any scenario, as long as we have enough advance notice to make the necessary arrangements.

### Truck Loading:

Entrance from Postoffice Street

Room for 2 Tractor-trailers at 2 loading dock doors

Loading dock is 50' off the ground. Doors are 8'5" wide x 9' tall

Ramp up 15° incline to work/storage area (19'w x 27'l x 22'h)

90° left turn to stage entrance (5'11" w x 10'h)

### Labor:

All labor is provided by The International Alliance of Theatrical Stage Employees

Stage: IATSE, Local #51 Houston/Galveston Chartered May 1899

Wardrobe: IATSE, TWU #896 Houston/Galveston Chartered January 1979

All labor arrangements must be made through Technical Director. No exceptions.

# The Grand 1894 Opera House

## General Information

### Stage Dimensions:

Proscenium Opening – 38'w x 27'h

Plaster Line to back wall – 36'

Plaster Line to furthest upstage line set – 32'

Plaster Line to lip of stage (thrust) – 4' @ center / 1' SL and SR

Grid Height – 59'

Stage Playing Area – 40'w x 32'd

Wing Space – 16'w x 36'd SL / 16'w x 36'd SR (obstructed by switch gear 2' x 5')

SL Wall to SR Wall – 72'

Upstage crossover – 4'

**Note: Over each wing, beginning 2' from proscenium, there is a working platform that extends to the side walls and from the proscenium to the back wall. This working platform is 22'6" from stage deck. This means that the maximum width of all flying pieces is 42'. These platforms are the fly floor on stage left and the dimmer room on stage right. The platforms are joined together by a cat walk, 22'6" from stage deck 32' from plaster line and is 4' wide.**

### Orchestra Pit:

The Grand is equipped with a mechanical spiral drive orchestra pit. The pit has 100% variable stopping points. Maximum depth level of the pit is 7'1-1/2". The dimensions of the pit are 8'd@ center, 2'd SL and SR. Overall width is 38' extending from proscenium left to proscenium right. The pit can be seated with 32 seats.

### Lifts / Ladders / Scaffolding:

JLG AM-24-DC "Access Master" 24' battery powered man lift (maximum reach height 30' average)

24' A-Frame ladder (on wheels)

Various height stepladders

Aluminum scaffold 7'deck with 7' extensions (14' maximum deck height)

### Fly System:

Hemp (Multi-line II 3 strand twisted polyester) integrated with double purchase counter weights. See attached rigging schedule for details.

### Dance Floor:

The Grand has a 40'w x 32'd Rosco dance floor (Marley)

### Rehearsal Room:

40'w x 32'd. This room is above backstage storage/shop area and is also designated Dressing Room #6.

### Production Office:

Under stage – For use by Production/Company Managers. Phone # 409-763-1862

### Notes:

Because console operators will be in full view of patronage. We require the technician to wear appropriate attire. Absolutely no sleeveless shirts, shorts or hats.

# The Grand 1894 Opera House

## General Information

### **Wardrobe:**

Washing machine & Dryer; no cost operation.

Irons, ironing boards, steamers, and sewing machines are available.

All dressing room areas are equipped with air conditioning and heat, fluorescent, as well as incandescent lighting with dimming capabilities, full-length mirrors, make up counters, clothing racks and trash receptacles.

### **Dressing Rooms:**

All dressing rooms have access to restrooms and showers. All dressing rooms have running water except Dressing Room #5.

Dressing Room #1 – Star Dressing Room – Private restroom, shower and makeup counter with running water sink; wet bar with ice machine, microwave, coffee maker and a private sitting area with television. Located on stage level outside stage entrance.

Dressing Room #2 – Under stage – 4 people

Dressing Room #3 – Under stage – 4 people

Dressing Room #4 – Under stage – 4 people

Dressing Room #5 – Under stage – 10 people

Dressing Room #6 – Above loading dock and shop area – 20 People

### **Communications:**

Backstage paging system that addresses all dressing areas, shop, loading dock and business office.

On stage monitoring system that broadcasts performances backstage via closed circuit.

Clear Com with 10 potential stations for technical communication. Included are 6 permanent stations in the following departments: stage manager, sound booth, lighting console, fly rail, 2 spots and main curtain.

Walkie-talkies are available but not recommended due to marine traffic in the area.

Internet (wireless capabilities), photo copier, fax machine, computers, printers and telephones available.

Antenna broadcast television (Houston stations), closed circuit television and satellite television.

The Grand has wireless internet access available for traveling production personnel.

### **Curtains:**

Line set \* -Painted (Staley) Curtain – fly only/ Permanent Install

Line set 1 -Main Act Curtain (Red) – fly or travel/ Permanent Install

Both curtains are operated from stage level SL (single purchase) traveled from SR.

See page 9 for more details.

### **Security:**

Security lighting and surveillance cameras.

Magnetic lock on stage door with remote release, video camera on door and squawk box for communication.

The Grand contracts security officers from The Galveston Police Dept. for all performances.

# The Grand 1894 Opera House

*Electric Department*  
*Rusty Wheeler*  
*Head/House Electrician*  
*IATSE # 51*

## **Electrical Service:**

Location: Stage right wall

3 – 208 volt, 400 amp, 3 phase disconnects.

(1 is an isolated ground designated for sound use only)

## **Stage Dimming:**

Location: Loft over Stage Right wing (22’6” over deck)

2 Full Strand Century CD 80 Racks/ Johnson Systems Inc. digital upgrade

192 - Strand Century CD 80 2.4K (D/D)

6 - Strand Century CD 80 2.4K (4;D/N – 2;N/D)

## **Control:**

Location: Grand Tier enclosed booth (House right)

ETC Expression 3 lighting console 2 - 15” monitors

## **Circuiting:**

See attached provisions

## **House Lighting Control System:**

ETC Unison

Strand Century CD Dimmers

Johnson Systems Inc. digital upgrade

Master Programming Control Panel – Down Stage Right (Stage Manager)

#1 Control Panel - Lighting console booth (Board Operator)

#2 Control Panel – Orchestra Level Lobby (House Manager)

## **Notes:**

Any traveling attractions that use a stand-alone electronic dimming and control systems are encouraged to place lighting console behind Orchestra Level seating area (see attached Seating Plot) 150’ from recommended placement of dimming rack Stage Right wing; next to 400 amp 3 phase electrical disconnect service.

Interface with stage dimming is available to any traveling attraction that does not travel with stand-alone dimming systems.

Linking House Light Dimming and Stage Dimming is possible.

## **Follow Spots**

4 – Strong Xenon Super troopers (1600 watt)

Location: Grand Tier Spot Booth (center house; up) Grand Tier Spot Booth (center house; down)

70’ - 40° throw, up, to 65’ - 35° throw, down. See attached provisions for more detailed information.

# The Grand 1894 Opera House

Electric Department  
Rusty Wheeler  
Head/House Electrician  
IATSE # 51

**Par 64:**

92 – 1000 watt standard (W, M, N & VN)

8 – 1000 watt ACL

**Altman Fresnels:**

16 – 8” 1000 watt

4 - 6” 1000 watt

**Altman:** 575 watt

39 – 6x9

72 – 6x12

30 – 6x16

**ETC Source 4**

7 - 10° 16- 36°

40 - 19°

12 - 26°

**Altman Scoops:**

12 – 14” 1000 watt

**Altman Strips:**

4 - 6’ 1000 watt 8 cell / 4 color (2 cells per color) Cyc

6 – 6’ 300 watt 12 cell / 4 color (3 cells per color) Ground

8 Boom bases

Various lengths of boom pipe, cheeseboroughs, side arms and crosspipe (specify)

**Side light:**

8 – ladders

6 – towers

**City Theatrical Strobe Lights:**

2 – 1000 watt / 220 volt DMX controlled

**Fog Machines:**

2 – City Theatrical Aqua Fog Machines, Dimmer controlled fans / Non dim controlled heaters

1 – City Theatrical Smoke Machine

Rosco Mirror Ball 24” with Motorized Rotation

Rosco, Lee and Gam gel inventory (upon request)

GOBO / Pattern inventory (upon request)

Inventory of frames, irises, gobo holders, donuts, top hats and barn doors

Inventory of turn around, stingers, 2-fers, hot patch whips and misc. adaptors

Inventory of music stand lights and all necessary electrical patch cords

Inventory of various footage stagepin to stagepin patch cables

# The Grand 1894 Opera House

Sound Department

Jim Hallene

Head/House Sound

IATSE # 51

## **Electrical Service:**

Location: Stage right wall

3 – 208 volt, 400 amp, 3 phase disconnects.

(1 is an isolated ground designated for sound use only)

## **Mixing Console:**

Location: Mezzanine open booth (House center)

Soundcraft SI2 48 channel console (Main mix, 4 Sub mixes, 2 On-stage auxiliary sends)

22 Microphone channels (1>8 SR) – (9>22 SL)

1 – Yamaha Rev 500 on auxiliary 6

Any traveling attractions that use a stand-alone P.A. system are encouraged to place mixing console behind Orchestra Level seating area (see attached Seating Plot) 150' from Stage Right wing; 208 volt, 400 amp, 3 phase electrical disconnect service with an isolated ground.

## **House P.A.:**

Location: SL and SR of Proscenium

JBL VRX 932 Line Array.

Bi-amplified and real time analyzed through a Nexia FOH processor.

SR and SL ceiling speakers:

2 – EV ZX1-90

The Grand does not have a cluster because of nonexistent rigging points in the house. Therefore, no traveling attraction or rental will be given permission to hang a cluster.

Any traveling attractions that use a stand-alone P.A. system are encouraged to place the speakers on SL and SR lip, onstage of proscenium.

## **Amplification:**

3 – Crown Xti 4000 (1200 watts @ 4 ohms) Mains

2 – QSC PLX 2402 (700 watts @ 4 ohms) Monitors

2 – QSC MX 2000a (450 watts @ 4ohms) Ceilings

## **Sound Processing:**

Nexia-FOH Processor/ complete crossover / parametric EQ / Graphic EQ / Alignment delay / compressor limiter.

# The Grand 1894 Opera House

Sound Department

Jim Hallene

Head/House Sound

IATSE # 51

## **Stage Monitor System: (Mobile P.A. System)**

Location: SR only

Makcie 24 channel (6 mixes)

16 inputs.

3 – QSC RMX 1450 Amplifiers (400 watts @ 4 ohms)

3 – Rane stereo 1/3 octave equalizers

6 – JBL MRX 500 Monitors

4 – JBL MR Series Monitors

2 – JBL 4612B Monitors

2 – JBL 46120K Monitors

## **Microphones:**

8 – Shure ULX Series hand held and lavalier wireless mics

5 – Shure SM58

5 – Shure SM57

2 – AT 4033a condenser mic

2 – AT 3031 condenser mic

4 – AT 871 boundary mic

1 – PZM 180 boundary mic

## **Playback:**

Tascam CD

Denon 4500 Dual CD

Denon M2300R mini disc.

Denon 720R Cassette

Technics 1-RS-1506US Reel to Reel

## **Miscellaneous:**

4 – direct boxes, stands, booms, cords and cable.

**Standard House Plot**  
**The Grand 1894 Opera House**

CHANNEL	DIMMER	FUNCTION	COLOR	CHANNEL	DIMMER	FUNCTION	COLOR
1	158	Area 8 - Warm	R37	38			
2	161	Area 7 - Warm	R37	39			
3	175	Area 6 - Warm	R37	40			
4	177	Area 5 - Warm	R37	41			
5	179	Area 4 - Warm	R37	42			
6	180	Area 3 - Warm	R37	43			
7	183	Area 2 - Warm	R37	44			
8	1185	Area 1 - Warm	R37	45			
9	160	Area 8 - Cool	R62	46			
10	162	Area 7 - Cool	R62	47			
11	176	Area 6 - Cool	R62	48			
12	178	Area 5 - Cool	R62	49			
13	181	Area 4 - Cool	R62	50			
14	182	Area 3 - Cool	R62	51			
15	184	Area 2 - Cool	R62	52	70	1R High Side Red	G245
16	186	Area 1 - Cool	R62	53	72	2R High Side Red	G245
17	159	Painted Curtain	R97	54	74	3R High Side Red	G245
18	152,155,156,157 166,168,171,173	Violet Wash	R359	55	69	1L High Side Red	G245
19	146,148 149,150	Amber Wash	R22	56	71	2L High Side Red	G245
20	142	Pink House Right	G104	57	73	3L High Side Red	G245
21	144	Light Blue House Right	G810	58	7,37>40	1E Blue Down	R80
22	163	Pink House Left	G104	59	41>44	2E Blue Down	R80
23	165	Light Blue House Left	G810	60	45>48	3E Blue Down	R80
24	139,143	Pink Torm Left	G104	61	25>28	1E Amber Down	R21
25	140,141	Light Blue Torm Left	G810	62	29>32	2E Amber Down	R21
26	135,136	Pink Torm Right	G104	63	33>36	3E Amber Down	R21
27	137,138	Light Blue Torm Right	G810	64	89>92	BLUE CYC	R125
28				65			
29				66	81>84	RED CYC	R124
30				67			
31				68	93>96	AMBER CYC	R127
32				69			
33				70	85>88	GREEN CYC	R126
34				71	2,5,9,12	1E Pink Down	R34
35				72	77,78	2E Pink Down	R34
36				73	79,80	3E Pink Down	R34
37				74	75,76	4E Pink Down	R34

**Far Cove**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Area 1	ETC Source 4 19°	575w	R62		1/186	(16)
2	Area 1	ETC Source 4 19°	575w	R37		1/185	(8)
3	Area 5	ETC Source 4 19°	575w	R62		1/184	(15)
4	Area 5	ETC Source 4 19°	575w	R37		1/183	(7)
5	Area 2	ETC Source 4 19°	575w	R62		1/182	(14)
6	Area 2	ETC Source 4 19°	575w	R37		1/181	(6)
7	Area 6	ETC Source 4 19°	575w	R62		1/180	(13)
8	Area 6	ETC Source 4 19°	575w	R37		1/179	(5)
9	Area 3	ETC Source 4 19°	575w	R62		1/178	(12)
10	Area 3	ETC Source 4 19°	575w	R37		1/177	(4)
11	Area 7	ETC Source 4 19°	575w	R62		1/176	(11)
12	Area 7	ETC Source 4 19°	575w	R37		1/175	(3)
13	Area 4	ETC Source 4 19°	575w	R62		1/162	(10)
14	Area 4	ETC Source 4 19°	575w	R37		1/161	(2)
15	Area 8	ETC Source 4 19°	575w	R62		1/160	(9)
16	Area 8	ETC Source 4 19°	575w	R37		1/158	(1)

**Near Cove**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Staley Curtain Wash	ETC Source 4 26°	575w	R97		1/159	(17)
2	Area 1	ETC Source 4 19°	575w	R359		1/168	(18)
3	Special	ETC Source 4 10°	575w	N/C		1/169	
4	Area 5	ETC Source 4 19°	575w	R359		1/171	(18)
5	Special	ETC Source 4 10°	575w	N/C		1/174	
6	Area 2	ETC Source 4 19°	575w	R359		1/173	(18)
7	Special	ETC Source 4 10°	575w	N/C		1/172	
8	Area 6	ETC Source 4 19°	575w	R359		1/166	(18)
9	Special	ETC Source 4 10°	575w	N/C		1/170	
10	Area 3	ETC Source 4 19°	575w	R359		1/155	(18)
11	Special	ETC Source 4 10°	575w	N/C		1/153	
12	Area 7	ETC Source 4 19°	575w	R359		1/152	(18)
13	Special	ETC Source 4 10°	575w	N/C		1/151	
14	Area 4	ETC Source 4 19°	575w	R359		1/154	(18)
15	Special	ETC Source 4 10°	575w	N/C		1/156	
16	Area 8	ETC Source 4 19°	575w	R359		1/157	(18)
17	Staley Curtain Wash	ETC Source 4 26°	575w	R97		1/159	(17)

**SL Booth**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Amber Wash	ETC Source 4 19°	575w	R22		1/146	(19)
2	Amber Wash	ETC Source 4 19°	575w	R22		1/146	(19)
3	Amber Wash	ETC Source 4 19°	575w	R22		1/149	(19)
4	Amber Wash	ETC Source 4 19°	575w	R22		1/149	(19)

**SR Booth**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Amber Wash	ETC Source 4 19°	575w	R22		1/148	(19)
2	Amber Wash	ETC Source 4 19°	575w	R22		1/148	(19)
3	Amber Wash	ETC Source 4 19°	575w	R22		1/150	(19)
4	Amber Wash	ETC Source 4 19°	575w	R22		1/150	(19)

**SL Mid House**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Pink Wash	ETC Source 4 19°	575w	G104		1/142	(20)
2	Blue Wash	ETC Source 4 19°	575w	G810		1/142	(20)
3	Pink Wash	ETC Source 4 19°	575w	G104		1/144	(21)
4	Blue Wash	ETC Source 4 19°	575w	G810		1/144	(21)

**SR Mid House**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Pink Wash	ETC Source 4 19°	575w	G104		1/163	(22)
2	Blue Wash	ETC Source 4 19°	575w	G810		1/163	(22)
3	Pink Wash	ETC Source 4 19°	575w	G104		1/165	(23)
4	Blue Wash	ETC Source 4 19°	575w	G810		1/165	(23)

**SL Torm**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/140	(24)
2	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/143	(25)
3	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/140	(24)
4	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/143	(25)
5	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/141	(24)
6	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/139	(25)

**SR Torm**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/138	(26)
2	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/136	(27)
3	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/138	(26)
4	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/136	(27)
5	DSC Pink (Warmers)	Altman 6x12	750w	G104		1/137	(26)
6	DSC Blue (Warmers)	Altman 6x12	750w	G810		1/135	(27)

**NO. 1 ELEC.**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	SL High Side	Par 64 WFL	1kw	G245		1/69	(52)
2	SL High Side	Par 64 WFL	1kw	G245		1/69	(52)
3	Special	ETC Source 4 36°	575w	N/C		1/1	
4	Pink Down	Par 64 WFL	1kw	R37		1/2	(71)
5	Blue Down	Par 64 WFL	1kw	R80		1/37	(58)
6	Amber Down	Par 64 WFL	1kw	R21		1/25	(61)
7	Special	ETC Source 4 36°	575w	N/C		1/3	
8	Special	ETC Source 4 36°	575w	N/C		1/4	
9	Blue Down	Par 64 WFL	1kw	R80		1/38	(58)
10	Pink Down	Par 64 WFL	1kw	R37		1/5	(71)
11	Amber Down	Par 64 WFL	1kw	R21		1/26	(61)
12	Special	ETC Source 4 36°	575w	N/C		1/6	
13	Blue Down	Par 64 WFL	1kw	R80		1/7	(58)
14	Special	ETC Source 4 36°	575w	N/C		1/8	
15	Amber Down	Par 64 WFL	1kw	R21		1/27	(61)
16	Pink Down	Par 64 WFL	1kw	R37		1/9	(71)
17	Blue Down	Par 64 WFL	1kw	R80		1/39	(58)
18	Special	ETC Source 4 36°	575w	N/C		1/10	
19	Special	ETC Source 4 36°	575w	N/C		1/11	
20	Amber Down	Par 64 WFL	1kw	R21		1/28	(61)
21	Blue Down	Par 64 WFL	1kw	R80		1/40	(58)
22	Pink Down	Par 64 WFL	1kw	R37		1/12	(71)
23	Special	ETC Source 4 36°	575w	N/C		1/13	
25	SR High Side	Par 64 WFL	1kw	G245		1/70	(55)
26	SR High Side	Par 64 WFL	1kw	G245		1/70	(55)

**NO. 2 ELEC.**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	SL High Side	Par 64 WFL	1kw	G245		1/71	(53)
2	SL High Side	Par 64 WFL	1kw	G245		1/71	(53)
3	Special	ETC Source 4 36°	575w	N/C		1/15	
4	Pink Down	Par 64 WFL	1kw	R37		1/77	(72)
5	Blue Down	Par 64 WFL	1kw	R80		1/41	(59)
6	Amber Down	Par 64 WFL	1kw	R21		1/29	(62)
7	Special	ETC Source 4 36°	575w	N/C		1/16	
8	Blue Down	Par 64 WFL	1kw	R80		1/42	(59)
9	Pink Down	Par 64 WFL	1kw	R37		1/77	(72)
10	Amber Down	Par 64 WFL	1kw	R21		1/30	(62)
11	Blue Down	Par 64 WFL	1kw	R80		1/42	(59)
12	Amber Down	Par 64 WFL	1kw	R21		1/31	(62)
13	Pink Down	Par 64 WFL	1kw	R37		1/78	(72)
14	Blue Down	Par 64 WFL	1kw	R80		1/43	(59)
15	Special	ETC Source 4 36°	575w	N/C		1/17	
16	Amber Down	Par 64 WFL	1kw	R21		1/32	(62)
17	Blue Down	Par 64 WFL	1kw	R80		1/44	(59)
18	Pink Down	Par 64 WFL	1kw	R37		1/78	(72)
19	Special	ETC Source 4 36°	575w	N/C		1/18	
20	SR High Side	Par 64 WFL	1kw	G245		1/72	(56)
21	SR High Side	Par 64 WFL	1kw	G245		1/72	(56)

**NO. 3 ELEC.**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	SL High Side	Par 64 WFL	1kw	G245		1/73	(54)
2	SL High Side	Par 64 WFL	1kw	G245		1/73	(54)
3	Special	ETC Source 4 36°	575w	N/C		1/19	
4	Pink Down	Par 64 WFL	1kw	R37		1/79	(73)
5	Blue Down	Par 64 WFL	1kw	R80		1/45	(60)
6	Amber Down	Par 64 WFL	1kw	R21		1/33	(63)
7	Special	ETC Source 4 36°	575w	N/C		1/20	
8	Blue Down	Par 64 WFL	1kw	R80		1/46	(60)
9	Pink Down	Par 64 WFL	1kw	R37		1/79	(73)
10	Amber Down	Par 64 WFL	1kw	R21		1/34	(63)
11	Blue Down	Par 64 WFL	1kw	R80		1/46	(60)
12	Amber Down	Par 64 WFL	1kw	R21		1/35	(63)
13	Pink Down	Par 64 WFL	1kw	R37		1/80	(73)
14	Blue Down	Par 64 WFL	1kw	R80		1/47	(60)
15	Special	ETC Source 4 36°	575w	N/C		1/21	
16	Amber Down	Par 64 WFL	1kw	R21		1/36	(63)
17	Blue Down	Par 64 WFL	1kw	R80		1/48	(60)
18	Pink Down	Par 64 WFL	1kw	R37		1/80	(73)
19	Special	ETC Source 4 36°	575w	N/C		1/22	
20	SR High Side	Par 64 WFL	1kw	G245		1/74	(57)
21	SR High Side	Par 64 WFL	1kw	G245		1/74	(57)

**NO. 4 ELEC.**

U#	Purpose	Type & Accessories	W	Color	Tmpl	Dim	Chn
1	Cyc Red	2 Cell 4 Color Strips	1kw	R124		1/82	(66)
1	Cyc Green	2 Cell 4 Color Strips	1kw	R126		1/85	(70)
1	Cyc Blue	2 Cell 4 Color Strips	1kw	R125		1/93	(64)
1	Cyc Amber	2 Cell 4 Color Strips	1kw	R127		1/89	(68)
2	Pink Down	Par 64 WFL	1kw	R37		1/76	(74)
3	Cyc Amber	2 Cell 4 Color Strips	1kw	R127		1/86	(68)
3	Cyc Red	2 Cell 4 Color Strips	1kw	R124		1/94	(66)
3	Cyc Green	2 Cell 4 Color Strips	1kw	R126		1/90	(70)
3	Cyc Blue	2 Cell 4 Color Strips	1kw	R125		1/81	(64)
4	Pink Down	Par 64 WFL	1kw	R37		1/75	(74)
5	Cyc Blue	2 Cell 4 Color Strips	1kw	R125		1/83	(64)
5	Cyc Red	2 Cell 4 Color Strips	1kw	R124		1/91	(66)
5	Cyc Green	2 Cell 4 Color Strips	1kw	R126		1/87	(70)
5	Cyc Amber	2 Cell 4 Color Strips	1kw	R127		1/95	(68)
6	Pink Down	Par 64 WFL	1kw	R37		1/75	(74)
7	Cyc Blue	2 Cell 4 Color Strips	1kw	R125		1/88	(64)
7	Cyc Red	2 Cell 4 Color Strips	1kw	R124		1/92	(66)
7	Cyc Green	2 Cell 4 Color Strips	1kw	R126		1/96	(70)
7	Cyc Amber	2 Cell 4 Color Strips	1kw	R127		1/84	(68)

Line Set	CW/Hemp	Plaster Line Distance	House Use	Show Use
*	CW	0'-6"	Fire Curtain	
*	CW	1'-0"	Painted Curtain	
1	S	1'-4"	Grand Red Teaser	
2	CW	1'-9"	Red Act Curtain/ #1 Legs	
3	S	2'-2"	#1 Black Border	
4	CW	3'-0"		
5	CW	3'-9"	#1 Electric	
6	S	5'-6"		
7	S	6'-3"		
8	S	7'-0"		
9	S	7'-9"		
10	S	8'-3"		
11	S	9'-0"	#2 Black Border	
12	CW	9'-9"	#2 Black Legs	
13	CW	10'-3"		
14	CW	11'-0"	#2 Electric	
15	S	12'-9"		
16	S	13'-6"		
17	S	14'-3"		
18	S	15'-0"		
19	CW	15'-9"	Midstage Blackout Curtain	
20	S	16'-6"		
21	S	17'-0"		
22	S	17'-6"	#3 Black Border	
23	CW	18'-0"	#3 Black Legs	
24	CW	18'-9"		
25	CW	19'-9"	#3 Electric	
26	S	20'-6"		
27	S	21'-3"		
28	S	21'-9"		
29	S	22'-6"		
30	S	23'-0"		
31	CW	23'-6"		
32	S	25'-3"	#4 Black Border	
33	CW	25'-9"	#4 Black Legs	
34	S	26'-6"		
35	S	27'-0"		
36	CW	28'-0"	#4 Electric	
37	S	29'-6"		
38	S	30'-0"		
39	S	30'-6"		
40	CW	31'-0"		
41	CW	31'-6"	Cyc	
42	CW	32'-0"	Upstage Blackout Curtain	
			4' Crossover & Catwalk @22'	
		36'-0"	Theater Back Wall	

**Notes**  
**Pipe Battens = 42'-0"**  
**Proscenium Opening = 38'-0"**  
**Total Linesets = 26 Hempsets & 15 Available Counterweights**  
 Anything wider than 43' cannot be flown higher than 22'-6" because of elevated pin rail above wings  
 Dark line between 14-15 & 31-32 indicates an "18 wide wooden beam that supports the grid