



ECVA Stage Lighting and Theater Sound System Upgrades.

(Project No. 3102023)

PWP-EL-2023-097

**SCOPE OF WORK
&
SPECIFICATIONS**

March 10, 2023



INVITATION TO BID

The Elko Convention and Visitors Authority is seeking bids for new stage lighting including “Front of House” lighting. Must be a qualified contractor.

Project Identification

Project Name: ECVA Stage Lighting Upgrades.
Project Address: 700 Moren Way, Elko, NV 89801

Bid/Contract #: 3102023

PWP#: PWP-EL-2023-097

Project Description

Elko Convention and Visitors Authority Theater/Auditorium located at 700 Moren Way, Elko, NV 89801.

Lighting Upgrade: Proposals need to address removal of existing lighting units, racks and consoles, installation of new technology and equipment, replacement of lighting dimmer racks, commission of new racks, programming of new rack and console integration, and training. Stage dimensions are 48’5” wide by 43’9” in length. LED lights required for both stage and front of house. Must include high and low voltage installation costs.

Owner

Elko Convention and Visitors Center
700 Moren Way
Elko, NV 89801

Closing Date

Date: March 10, 2023
Time: 2:00pm (PST)

Bid Opening Location

Elko Convention and Visitors Authority
700 Moren Way
Elko, NV 89801

ACCESS TO BID DOCUMENTS

Plans and specifications can be obtained at Elko Convention and Visitors Authority, 700 Moren Way, Elko, NV 89801 or on line at www.ExploreElko.com Call for appointment: 775.738.4091.

Bidder Qualification

All bidders submitting bids to the Elko Convention and Visitors Authority must be qualified prior to bid opening.

Construction Cost Estimate

The estimated construction cost for the base bid of this project is \$225,000. Prevailing wage required.



**ECVA Stage Lighting and Theater Sound System
Upgrades.**

(Project No. 3102023)

PWP-EL-2023-097

Location Details

City: Elko
County: Elko
State: Nevada
Site Directions: 700 Moren Way, Elko, NV 89801

Project Details

Closing Date: March 10, 2023, 2:00 PM PST

Project Bid Received by and Opening Information:

For this project, bids will be received by hard copy submission to the Elko Convention & Visitors Authority, located at 700 Moren Way, Elko, NV 89801. There is no charge (\$0.00) for contract bid documents.

Estimated Costs: \$225,000

Must pay prevailing wages.

Bids must include costs for high/low voltage wiring installation.

Pre-Bid Meeting Info:

Facility walk-through, plans, and specifications available at the Elko Convention & Visitors Center. Call for appointment for complete walk-through of facility: (775) 738.4091.

Project Description

Elko Convention and Visitors Authority Stage and Theater/Auditorium upgrade located at 700 Moren Way, Elko, NV 89801.

Lighting Upgrade: Proposals need to address removal of existing lighting units and consoles, installation of new lights, technology and equipment, replacement of lighting dimmer racks, commission of new racks, programming of new rack and console integration, and training. Stage dimensions are 48'5" wide by 43'9" in length. LED lights required for both stage of front of house. Must include high and low voltage installation costs.

Primary Contact Information

Owner Name: Elko Convention & Visitors Authority
Address: 700 Moren Way, Elko, NV 89801
Phone: (775) 738-4091

LIGHTING UPGRADE

All proposals should address the removal, installation, upgrade and tie-in of the Elko Convention and Visitors Authority Stage and Front of House Lighting System to include LED lights.

SCOPE OF WORK:

The scope of this project is understood to be as follows:

- Removal of existing lighting console.
- Installation of new lighting console with touch screens if possible; multi-board option
 - Determine if existing lighting control line usage is viable.
 - Convert 240 plugs to 110 plugs; May be able to reduce number of plugs.
 - If wire is not suitable, replacement will be required by licensed contractor.
- Replacement of lighting dimmer racks
 - Programming of new racks and console integration
- Training on new system.
- Net four (4) program options.
- LED lights on stage; conversion of house light to LED required.
- Electrical work* required for the installation is as follows:
 - Disconnection of wiring to existing rack
 - Connection of loads to new dimmers.
 - Verification of 120V/20A power at each connected circuit
 - Any additional electrical work as required by law to adhere to state and national electrical codes.

Note:

***Electrical Work**

- High voltage and low voltage wiring costs need to be included in bid.
- OSHA Certification Required.
- The Contractor is responsible for providing and installing any network lines necessary to completing the high and low wiring. To help ensure this is accomplished, a company representative is to be on site at the commencement of work and available via phone throughout the installation process, to authoritatively answer any specific location and preference questions that may arise.

Elko Convention & Visitors Authority

Bid Tabulation

Project Name: ECVA Stage Lighting Upgrades

Date: March 10, 2023

NO.	Bid Item Description	Quantity	Unit	Unit Price	Total Amount
1	Removal of Existing Lighting Console				
2	Installation of New lighting console with touch Determin if existing lighting control line usage is viable. Replace lines if required Convert 240 plugs to 110 plugs				
3	Replacement of Lighting Dimmer Rack(s)				
4	Programming of Dimmer Racks				
5	Training on New System				
6	New four (4) Program Options				
7	LED Lights on Stage and Front of House				
8	Electrical work Disconnection of wiring to existing rack Connection of Loads to new Dimmers Verification of 120V/20A power a each connected circuit Any additional electrical work as required by law to adhere to state and national electrical codes.				
9	Other				

TOTAL: \$ _____



ECVA THEATER/AUDITORIUM INFORMATION

As of: 11.04.22

GENERAL INFORMATION:

- Seating Capacity:** 923 Seats
Dressing Rooms: All at Stage Level
- 1 Men's – Shower and Toilet
 - 1 Women's – Shower and Toilet
 - 1 Star or Green Room, No Shower or Toilet
- Loading Door:** Up Stage Left/Stage Level 12' X20'

STAGE INFORMATION

Stage:

- Hardwood Floor
- Proscenium 45' X 24'
- Width: 88' Lighting Bar Length: 43'9" - 48'5"
- Depth: 43'3"
- Height: 29'
- Apron: 4' X64'
- Orchestra Pit: Removable Cover, Curved Front 49' X 13'6"
 - Depth: 4'6"

Stage Drapery: (Hand Operated)

- Main (Crimson, Hand Operated)
- Secondary Main 7' Up Stage (Black, Hand Operated)
- One (1) Set of Black Legs Between Main and Secondary
- Two (2) Black Boarders
- Two (2) Full Black Travelers
- Three (3) Sets of Black Legs
- Three (3) Black Boarders
- One (1) Traveler CYC
- (All Stage Drapery Dead Hung)

LIGHTING INFORMATION

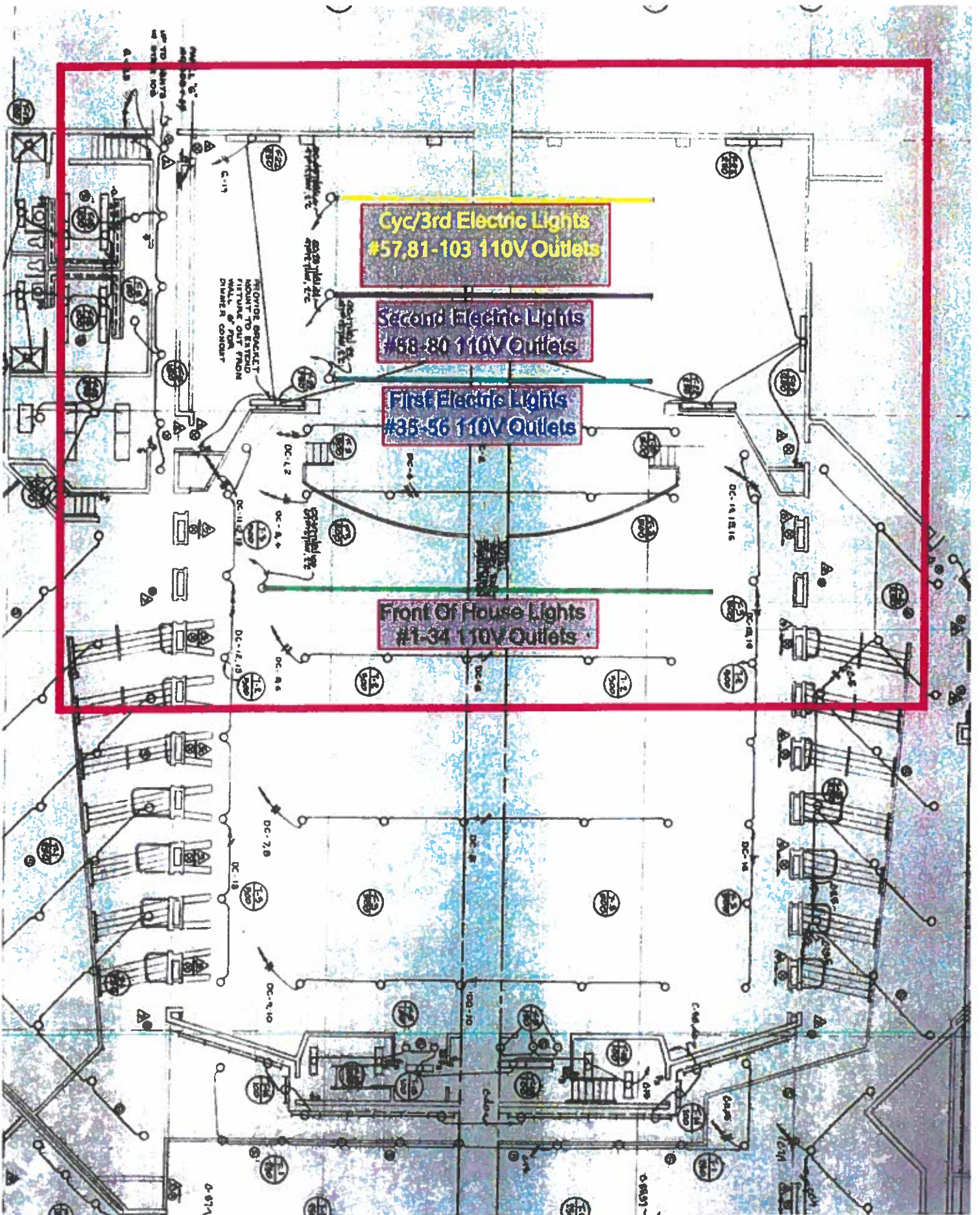
Lighting System:

- Colortran Encore 4/48 Programmable/Two Scene Preset
- Location (Booth Back of House)
- Dimmers 128 @ 2.4kw
- Circuits 112

Lighting Positions:

- Anti-Pro 41' to PL – 33 Circuits F.O.H.
- Three (3) Over Stage Electrics, 23 Circuits Each. (Electric Dead Hung)
- Eight (8) Floor Pocket Circuits

As of 11.04.22 Theater/Auditorium Info



Cyc/3rd Electric Lights
#57,81-103 110V Outlets

Second Electric Lights
#58-80 110V Outlets

First Electric Lights
#35-56 110V Outlets

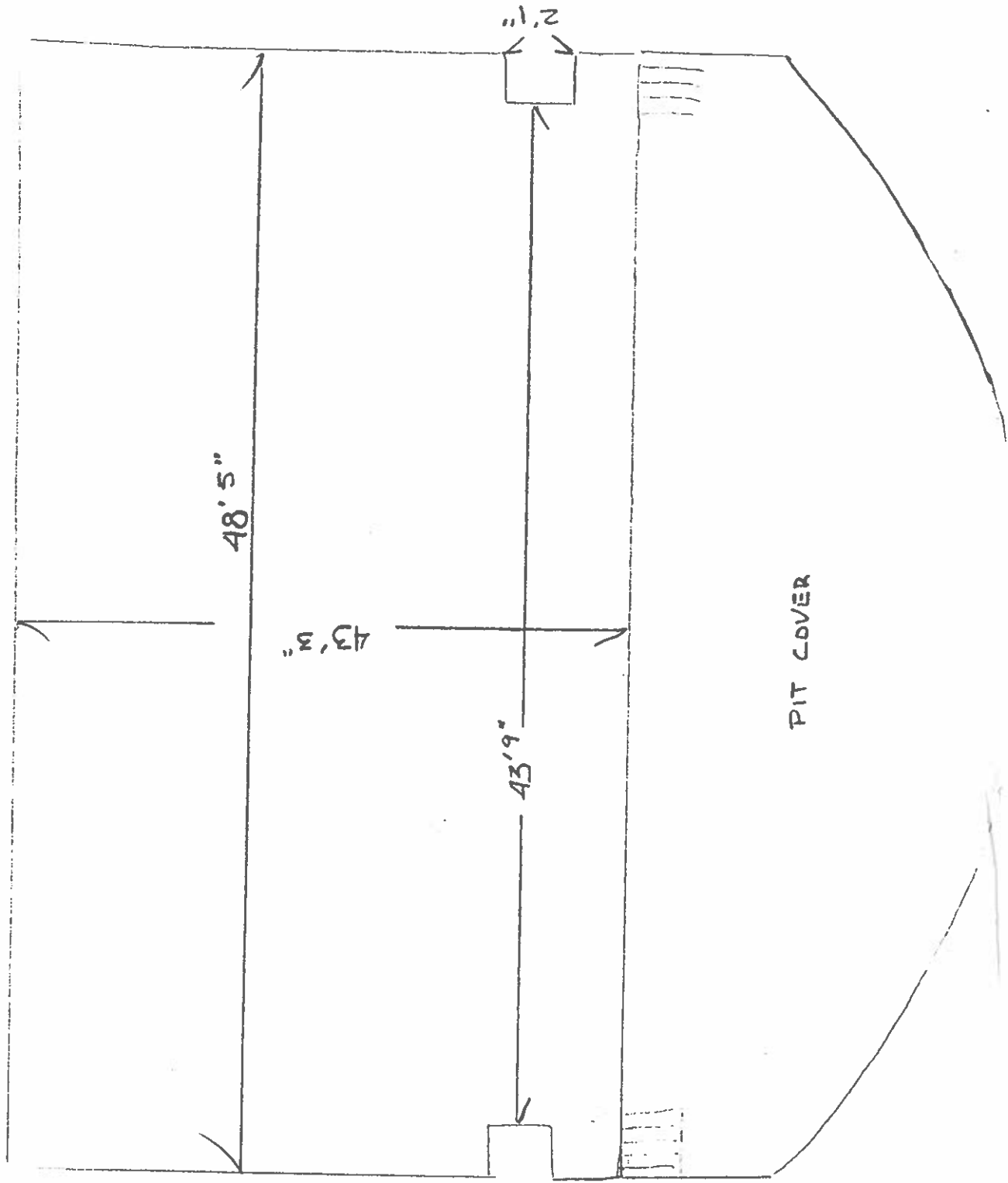
Front Of House Lights
#1-34 110V Outlets

PROVIDE SOCKET
MOUNT TO EXTEND
RETURN OUT FROM
MUSIC ROOM

0-87A

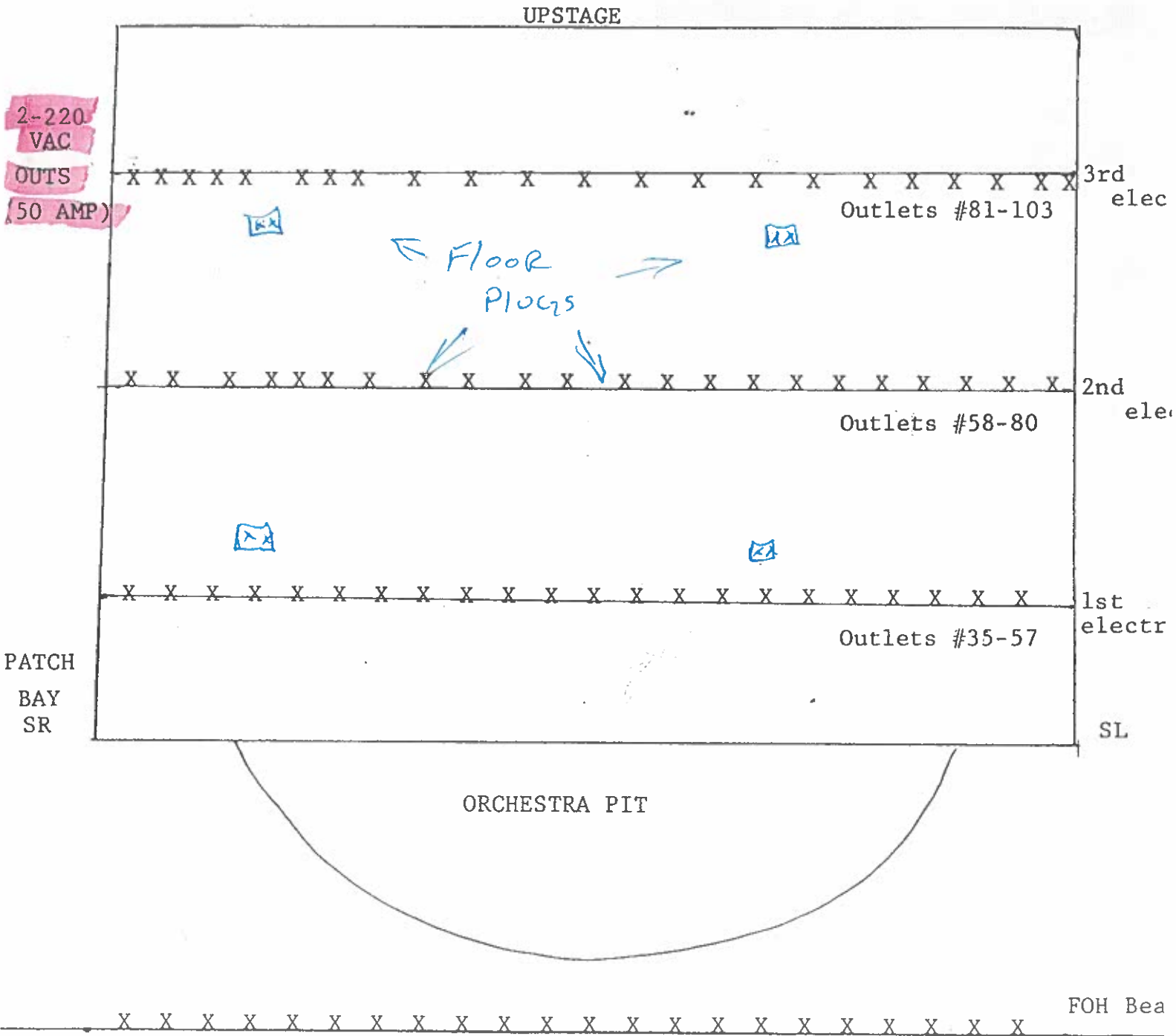
0-88B

Elko Convention Ctr.
STAGE DIMENSIONS



X= 110VAC Outlet (twist lock)

ALL OUTLETS DEAD HUNG ABOVE STAGE



2-220 VAC OUTS (50 AMP)

PATCH BAY SR

3rd elec

2nd elec

1st electr

SL

ORCHESTRA PIT

FOH Bea

All lights are about 40 feet

Outlets #1-34

- Lighting Inventory: 15 Leko
- 17 Fresnell
- 14 Scoops
- 15 FOH Lekos (Front of House)

Gels available upon request

ELKO CONVENTION CENTER STAGE LIGHT INVENTORY

- 30 - COLORTRAN 5/50 20 degree 575W
- 20 - COLORTRAN 6" FRESNELS 750W
- 14 - SCOOPS 500W
- 6 - SOURCE FOUR 36 DEGREE
- 5 - ALTMAN SC03 SKY CYCS 1000W
- 3 - ALTMAN 3 SEC. GR. CYCS 1000W

ALL ELECTRICS DEAD HUNG

DIMMER POSTIONS

F.O.H. 1 - 34

FIRST ELEC. 35-57

SECOND ELEC. 58-80

THIRD ELEC. 81-103

OLDER INSTUMENTS AVAILABLE INCLUDE
6 LEKOS & 12 FRESNELS

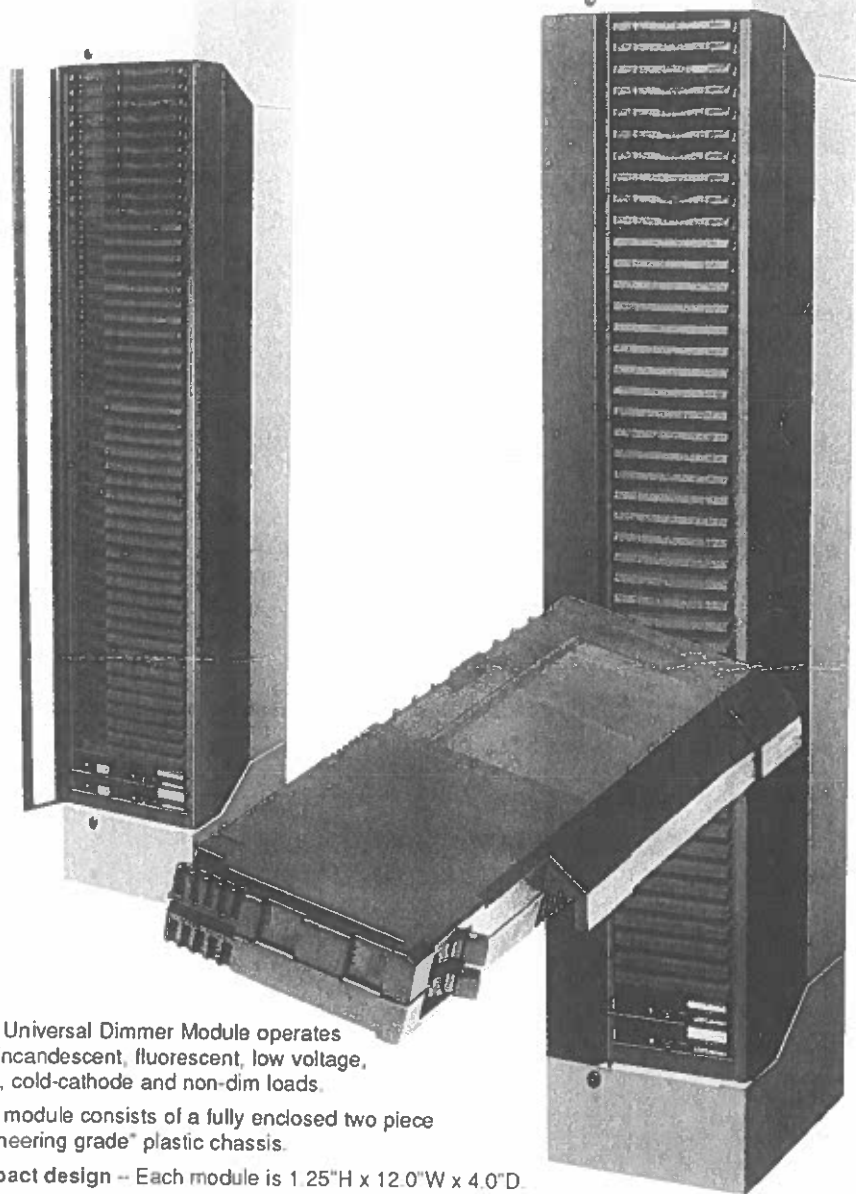
ENR SERIES 96

DIMMER RACK

New Dimming Technology Coupled with Efficient Design

- ENR 96 contains forty-eight plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities, 240 volt dual 2.5kW and single 5.0kW capacities.
- Plug-in dimmer and control modules make the ENR 96 rack fully serviceable.
- Removable top and bottom access panels for line and load runs. Quickly and easily installed.
- ENR 96 rack design allows for adjacent or back-to-back mounting of multiple racks.
- Locking door to prevent unwarranted access to ENR 96 dimmer rack.
- Ambient air is drawn through the dimmers and exhausted through the rack. The airflow is not drawn over any electrical connections. No filter is required.
- Designed to operate on single or three phase power, 120 or 240 volts.
- Ninety-six user programmable panic switches are located inside the ENR 96 rack.
- 100,000 A interrupt capacity available.
- Maintenance — fully front accessible — no side or back access required.
- UL Listed
- CSA Certified

Free-standing dimmer rack: 80"H x 14"W x 19"D
Lightweight — 195 lbs., 318 lbs. including control and dimmer modules.



ENR Universal Dimmer Module operates with incandescent, fluorescent, low voltage, neon, cold-cathode and non-dim loads.

Each module consists of a fully enclosed two piece "engineering grade" plastic chassis.

Compact design — Each module is 1.25"H x 12.0"W x 4.0"D.

Lightweight — Total dimmer module weight: 2.5 lbs.

Power bussing for simplified rack interconnection and greater access for all contractor wiring.

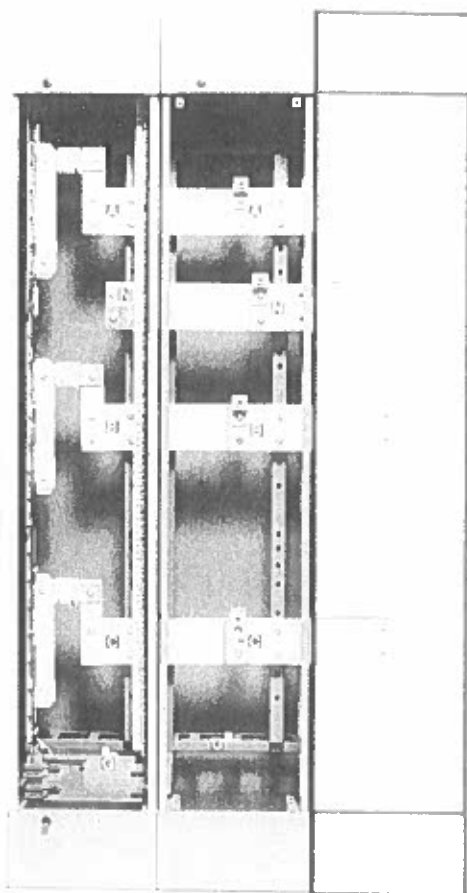
ENR SERIES 96

Colortran

Dimmer phasing is arranged to allow simple horizontal rack to rack bussing. No interconnection of feeder cable required. Each dimmer neutral terminal is located in an easily accessible area adjacent to the load terminal.

A label is provided on the inside of the door and is adjacent to each dimmer for easy identification of each circuit.

All signal contacts are gold-plated (minimum of 15 microns) for protection against wear and corrosion.



One low noise rotary fan.

Lock for restricting unauthorized access.

Label for easy identification of circuits.

Extruded aluminum door with a maximum swing radius of 4.5 inches.

Load and neutral terminals accept up to a #2 gauge wire.

Interlocking, positive guides for dimmer modules, both sides of rack.

Ground lug.

Connectors for control modules.

Terminals for control cable.

