### Indoor Lighting Specifications

#### General Information
- **Location:** Estancia High School
- **Project Name:** Theater Project
- **Date:** 03/07/2023

#### Technical Specifications
- **Product:** [Product Name]
- **Manufacturer:** [Manufacturer Name]
- **Model:** [Model Number]

#### Electrical Details
- **Voltage:** [Voltage]
- **Amperage:** [Amperage]
- **Wattage:** [Wattage]

#### Application Details
- **Type:** [Type]
- **Comments:** [Comments]

#### Installation Instructions
- **Site Name:** [Site Name]
- **Date:** [Date]

#### Manufacturer Information
- **Contact:** [Contact Name]
- **Phone:** [Phone Number]
- **Email:** [Email Address]

#### Compliance Details
- **Certificate of Compliance:** [Certificate Number]

#### Approval Details
- **Approval Date:** [Date]
- **Approver:** [Approver Name]

---

### Table: Indoor Lighting Specifications

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Color</th>
<th>Wattage</th>
<th>Dimmable</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light 1</td>
<td>[Details]</td>
<td>[Manufacturer]</td>
<td>[Model]</td>
<td>[Color]</td>
<td>[Wattage]</td>
<td>[Dimmable]</td>
<td>[Voltage]</td>
<td>[Price]</td>
</tr>
<tr>
<td>Light 2</td>
<td>[Details]</td>
<td>[Manufacturer]</td>
<td>[Model]</td>
<td>[Color]</td>
<td>[Wattage]</td>
<td>[Dimmable]</td>
<td>[Voltage]</td>
<td>[Price]</td>
</tr>
<tr>
<td>Light 3</td>
<td>[Details]</td>
<td>[Manufacturer]</td>
<td>[Model]</td>
<td>[Color]</td>
<td>[Wattage]</td>
<td>[Dimmable]</td>
<td>[Voltage]</td>
<td>[Price]</td>
</tr>
</tbody>
</table>

---

### Notes
- Additional notes and remarks for indoor lighting installation and maintenance.
- Compliance with local electrical codes and standards.
- Warranty information and service contacts.

---

### Approval Process
- [List of approvals and sign-offs]
- [Date of final approval]
- [Approver's signature]

---

### Contact Information
- [Manufacturer's contact details]
- [Supplier's contact information]

---

### Additional Resources
- [Links to related documents and specifications]
- [Access to manufacturer's website]

---

### Legal Compliance
- [Statement of compliance with relevant laws and regulations]
- [Certificate of Approval from relevant authorities]
### Project: ESTANCA HIGH SCHOOL THEATER PROJECT

#### Scope

- **Objective:**
  - Enhance the theater's lighting system for improved performance and safety.

- **Scope of Work:**
  - Design and installation of new lighting fixtures.
  - Electrical upgrades for improved energy efficiency.

- **Key Information:**
  - Date of approval: [DD MM YYYY]
  - Project Manager: [Name]
  - Approval Authority: [Name]

---

#### Lighting System

<table>
<thead>
<tr>
<th>Fixture ID</th>
<th>Model</th>
<th>Quantity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>F01</td>
<td>LS2020</td>
<td>5</td>
<td>Stage</td>
</tr>
<tr>
<td>F02</td>
<td>LS3030</td>
<td>3</td>
<td>Lobby</td>
</tr>
<tr>
<td>F03</td>
<td>LS4040</td>
<td>2</td>
<td>后台</td>
</tr>
</tbody>
</table>

---

#### Electrical Upgrades

- **System:**
  - Main Electrical Panel

- **Upgrades:**
  - New Circuit Breakers
  - Upgrade to 208/240V system

---

#### Safety Measures

- **Emergency Lighting:**
  - All exits equipped with emergency lights.

- **Fire Detection System:**
  - Integrated with existing smoke detectors.

---

#### Contact Information

- **Primary Contact:**
  - [Name], [Phone]

- **Backup Contact:**
  - [Name], [Phone]

---

#### Date of Approval

[DD MM YYYY]

---

**Note:** This document is subject to change without notice. Please consult the latest version for the most accurate information.
### Lighting Symbol Legend

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Control Legs Required (DMX/0-10V/3-Wire)</td>
</tr>
<tr>
<td>-</td>
<td>Power Control Method (Dimmer/Relay/Constant)</td>
</tr>
</tbody>
</table>

#### Fixture Naming Legend

- **DINA**
  - A- Adjustable
  - D- Downlight
  - F- Fluorescent Strip
  - L- Linear LED
  - P- Pendant
  - S- Surface Mounted
  - T- Track
  - U- In-Grade Uplight
  - V- Very Narrow Spot
  - W- Wide Flood
  - X- Misc/Specialty

---

**D-1**
- 1 **D**iff**E**rent **A**n**E**l**S**hments
FOCUS AIMING AND ADJUSTMENTS

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, LIFTS, LADDERS AND OTHER MATERIALS REQUIRED TO AIM AT MINIMUM, ALLOW 3 TO 5 MINUTES TIME TO AIM EACH ADJUSTABLE LIGHTING FIXTURE, PLUS ADDITIONAL TIME AS GOVERN WHERE THEY EXCEED THOSE OF THE CODES OR REGULATIONS.

3. LIGHTING FIXTURES:

SPARES ARE AVAILABLE ON-SITE FOR EACH LAMP TYPE. LUMINAIRES SHALL BE PROVIDED AS DESCRIBED IN THE LIGHTING FIXTURE SCHEDULE. THE MANUFACTURER'S CATALOG ANY NECESSARY PROTECTIVE MATERIALS ARE IN PLACE AT FLOORS WHERE LADDERS OR LIFTS ARE TO BE USED. REQUIREMENTS OR TO ACCOMMODATE SLOPED CEILING CONDITIONS. FIXTURES SHALL BE WEIGHTED AS NECESSARY TO HANG THE FINISH SURFACE HAS BEEN APPLIED AND ALLOWED TO DRY THOROUGHLY, OR TRIMS SHALL BE TEMPORARILY B.

WHERE THE DRAWINGS OR SCHEDULE NOTES THAT A TRIM IS TO BE PAINTED TO MATCH THE ADJACENT FINISH, THE

CONTRACTOR SHALL PREPARE MOCKUPS ACCORDING TO THE DIRECTION OF THE ARCHITECT, INTERIOR DESIGNER FIELD-VERIFY THAT ANY FIXTURES NOTED AS "CONCEALED" ARE SHIELDED FROM VIEW FOLLOWING INSTALLATION OF THE

SPECIAL EFFECTS LIGHTING.

THE CONTRACTOR SHALL SUBMIT OPERABLE FIXTURE SAMPLES FOR FIXTURE TYPES FOR WHICH A SUBSTITUTE IS IN ADVANCE, SUBMIT A LIST OF THOSE PROPOSED ALTERNATES TO THE ARCHITECT AND LIGHTING DESIGN CONSULTANT

THE CONTRACTOR SHALL FURNISH 5% SPARES FOR ALL SCHEDULED LAMP TYPES. SPARE LAMPS SHALL BE AVAILABLE AND ON-SITE AT THE TIME OF PRIOR TO FOCUS AIMING AND ADJUSTMENT, INCANDESCENT OR HALOGEN LAMPS SHALL NOT BE OPERATED AS CONSTRUCTION

ALL FIXTURES SHALL HAVE APPROPRIATE UL LABEL AND CONFORM TO TITLE 24, IF REQUIRED, FOR PERFORMANCE, SWITCHING, AND WIRING.

BEAM-SHAPING LENSES SHALL MEET THE BASIS-OF-DESIGN SPECIFICATIONS LISTED BELOW OR SHALL BE AN APPROVED LENS UNLESS OTHERWISE NOTED, PROVIDE LAMPS MANUFACTURED BY SYLVANIA, PHILIPS OR GENERAL ELECTRIC. PROVIDE 2)

LUMINAIRE MANUFACTURER.

FILTERS SHALL MEET THE BASIS-OF-DESIGN SPECIFICATIONS LISTED BELOW OR SHALL BE THE PRODUCT SCHEDULED ON 3)

SUBSTITUTE IS PROPOSED AS SUBSTITUTES, THE CONTRACTOR SHALL LIST UNIT PRICES FOR THE SCHEDULED LAMP AND FOR THE

THE WORK OR TO OTHERWISE VIOLATE LEGAL REQUIREMENTS. THE CONTRACTOR SHALL IMMEDIATELY DRAW ANY SUCH

THE CREW IS EQUIPPED WITH ANY NECESSARY TOOLS NECESSARY TO ACCESS, ADJUST AND SECURE ALL FIXTURE

TO ACCOMMODATE SLOPED CEILING CONDITIONS. SCHEDULE MANUFACTURER AND PART NUMBER, UNIT PRICE FOR THE SCHEDULED PRODUCT, PROPOSED

THE PROPER LAMPS, LENSES, AND ACCESSORIES HAVE BEEN INSTALLED PER THE FIXTURE SCHEDULE AND APPROVED

THE CONTRACTOR SHALL PROVIDE A COMPLETE PACKAGE OF FIXTURE SUBMITTALS OF ALL LIGHTING PRODUCTS INTENDED TO BE

NOTES THAT A TRIM IS TO BE PAINTED TO MATCH THE ADJACENT FINISH, THE

THE CONTRACTOR SHALL VERIFY THAT THE

ALL PORTIONS OF THE CONTROL, SWITCHING, AND DIMMING SYSTEMS ARE FULLY OPERABLE AND HAVE BEEN

ALL FIXTURES AND TRIMS HAVE BEEN CLEANED PER MANUFACTURER'S RECOMMENDATIONS TO REMOVE DUST, DIRT,

8. MOCKUPS

THE CONTRACTOR SHALL SUBMIT OPERABLE FIXTURE SAMPLES FOR FIXTURE TYPES FOR WHICH A SUBSTITUTE IS

THE CONTRACTOR SHALL IN ADVANCE, SUBMIT A LIST OF THOSE PROPOSED ALTERNATES TO THE ARCHITECT AND LIGHTING DESIGN CONSULTANT

THE CONTRACTOR SHALL PREPARE MOCKUPS ACCORDING TO THE DIRECTION OF THE ARCHITECT, INTERIOR DESIGNER

THE CONTRACTOR SHALL FIELD-VERIFY THAT ANY FIXTURES NOTED AS "CONCEALED" ARE SHIELDED FROM VIEW FOLLOWING INSTALLATION OF THE

SPECIAL EFFECTS LIGHTING.

THE CONTRACTOR SHALL SUBMIT OPERABLE FIXTURE SAMPLES FOR FIXTURE TYPES FOR WHICH A SUBSTITUTE IS

THE WORK OR TO OTHERWISE VIOLATE LEGAL REQUIREMENTS. THE CONTRACTOR SHALL IMMEDIATELY DRAW ANY SUCH

THE CREW IS EQUIPPED WITH ANY NECESSARY TOOLS NECESSARY TO ACCESS, ADJUST AND SECURE ALL FIXTURE

TO ACCOMMODATE SLOPED CEILING CONDITIONS. SCHEDULE MANUFACTURER AND PART NUMBER, UNIT PRICE FOR THE SCHEDULED PRODUCT, PROPOSED

THE PROPER LAMPS, LENSES, AND ACCESSORIES HAVE BEEN INSTALLED PER THE FIXTURE SCHEDULE AND APPROVED

THE CONTRACTOR SHALL PROVIDE A COMPLETE PACKAGE OF FIXTURE SUBMITTALS OF ALL LIGHTING PRODUCTS INTENDED TO BE

NOTES THAT A TRIM IS TO BE PAINTED TO MATCH THE ADJACENT FINISH, THE

THE CONTRACTOR SHALL VERIFY THAT THE

ALL PORTIONS OF THE CONTROL, SWITCHING, AND DIMMING SYSTEMS ARE FULLY OPERABLE AND HAVE BEEN

ALL FIXTURES AND TRIMS HAVE BEEN CLEANED PER MANUFACTURER'S RECOMMENDATIONS TO REMOVE DUST, DIRT,

8. MOCKUPS

THE CONTRACTOR SHALL SUBMIT OPERABLE FIXTURE SAMPLES FOR FIXTURE TYPES FOR WHICH A SUBSTITUTE IS

THE CONTRACTOR SHALL IN ADVANCE, SUBMIT A LIST OF THOSE PROPOSED ALTERNATES TO THE ARCHITECT AND LIGHTING DESIGN CONSULTANT

THE CONTRACTOR SHALL SUBMIT OPERABLE FIXTURE SAMPLES FOR FIXTURE TYPES FOR WHICH A SUBSTITUTE IS

THE WORK OR TO OTHERWISE VIOLATE LEGAL REQUIREMENTS. THE CONTRACTOR SHALL IMMEDIATELY DRAW ANY SUCH

THE CREW IS EQUIPPED WITH ANY NECESSARY TOOLS NECESSARY TO ACCESS, ADJUST AND SECURE ALL FIXTURE

TO ACCOMMODATE SLOPED CEILING CONDITIONS. SCHEDULE MANUFACTURER AND PART NUMBER, UNIT PRICE FOR THE SCHEDULED PRODUCT, PROPOSED

THE PROPER LAMPS, LENSES, AND ACCESSORIES HAVE BEEN INSTALLED PER THE FIXTURE SCHEDULE AND APPROVED

THE CONTRACTOR SHALL PROVIDE A COMPLETE PACKAGE OF FIXTURE SUBMITTALS OF ALL LIGHTING PRODUCTS INTENDED TO BE

NOTES THAT A TRIM IS TO BE PAINTED TO MATCH THE ADJACENT FINISH, THE

THE CONTRACTOR SHALL VERIFY THAT THE

ALL PORTIONS OF THE CONTROL, SWITCHING, AND DIMMING SYSTEMS ARE FULLY OPERABLE AND HAVE BEEN

ALL FIXTURES AND TRIMS HAVE BEEN CLEANED PER MANUFACTURER'S RECOMMENDATIONS TO REMOVE DUST, DIRT,
<table>
<thead>
<tr>
<th>LIGHTING FIXTURE SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DESCRIPTION</strong></td>
</tr>
<tr>
<td>INTEGRAL 45 45 120/277V 10% ROOF</td>
</tr>
<tr>
<td>INTEGRAL 20 20 120/277V NON-DIM CATWALK</td>
</tr>
<tr>
<td>INTEGRAL LED CCT: 2700K CRI: 92 LUMENS: 1400</td>
</tr>
<tr>
<td>1% S/L LOCK CORRIDOR</td>
</tr>
<tr>
<td>GD4WR-L2-279-DIM</td>
</tr>
<tr>
<td>INTEGRAL 4 4 120V ELECTRONIC LOW VOLTAGE/ REVERSE PHASE</td>
</tr>
<tr>
<td>96-4-L81-830-HIAFR-WMB-UNV</td>
</tr>
<tr>
<td>LL1 WET LISTED SURFACE  MOUNTED LINE VOLTAGE</td>
</tr>
<tr>
<td>W4 SURFACE MOUNTED LED JELLY JAR BLACK SURFACE CANLET</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM:  40 CCT: 2700K CRI: 90 LUMENS: 900</td>
</tr>
<tr>
<td>INTEGRAL 1A CURRENT LIMITER, BLACK FINISH</td>
</tr>
<tr>
<td>WHITE PENDANT LOUIS POULSEN PATERA FIXTURE: 35.4IN-97W/3000K-120/277V-DIM0-10V</td>
</tr>
<tr>
<td>BRACING SYSTEM:  GRIPLOCK SYSTEMS - HVAC SEISMIC BRACING SYSTEM ACCESSORIES: CC-UNICROSS , 25Z-1420-GHA, AIRCRAFT CABLE</td>
</tr>
<tr>
<td>P2 6&quot; ROUND APERTURE PENDANT MOUNTED LED CYLINDER DOWNLIGHT WITH NARROW FLOOD OPTIC AND FIELD CUTTABLE STEM WITH 5DEG HANG STRAIGHT SWIVEL</td>
</tr>
<tr>
<td>PENDANT GOTHAM INCITO FIXTURE: ICO CYL-27/55-6AR-LD-50D-120-EDXB-PM-DBL-CYSX</td>
</tr>
<tr>
<td>INTEGRAL 5 5 120/277V 0-10V 10% CONCESSION</td>
</tr>
<tr>
<td>INTEGRAL 32 32 120/277V ELECTRONIC LOW VOLTAGE/ REVERSE PHASE</td>
</tr>
<tr>
<td>L7A SURFACE MOUNTED ONE FOOT LINE VOLTAGE SINGLE COLOR WARM WHITE LED LINEAR STRIP LIGHT WITH BRACKET AND CLIPS</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM: 120° CCT: 3000K CRI: 90 LUMENS: 2620</td>
</tr>
<tr>
<td>INTEGRAL 12 12 120/277V ELECTRONIC LOW VOLTAGE/ REVERSE PHASE</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM: ASYM° CCT: 3000K CRI: 90 LUMENS: 4100</td>
</tr>
<tr>
<td>STANDARD SURFACE ECOSENSE</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM:  36° CCT: 2700K CRI: 92 LUMENS: 1300</td>
</tr>
<tr>
<td>REMOTE 0.75 0.75 120V PRIMARY/ 24V SECONDARY</td>
</tr>
<tr>
<td>INTEGRAL 5 5 120/277V 0-10V 10% CONCESSION</td>
</tr>
<tr>
<td>INTEGRAL 12 12 120/277V ELECTRONIC LOW VOLTAGE/ REVERSE PHASE</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM: ASYM° CCT: 3000K CRI: 90 LUMENS: 1026</td>
</tr>
<tr>
<td>STANDARD SURFACE ECOSENSE</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM:  36° CCT: 2700K CRI: 92 LUMENS: 1300</td>
</tr>
<tr>
<td>INTEGRAL 12 12 120/277V ELECTRONIC LOW VOLTAGE/ REVERSE PHASE</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM: ASYM° CCT: 3000K CRI: 90 LUMENS: 1026</td>
</tr>
<tr>
<td>STANDARD SURFACE ECOSENSE</td>
</tr>
<tr>
<td>RECESSED AXIS LIGHTING</td>
</tr>
<tr>
<td>INTEGRAL LED BEAM:  36° CCT: 2700K CRI: 92 LUMENS: 1300</td>
</tr>
<tr>
<td>4&quot; GRAVITY HOUSING: GD4DR-L4-279-DIM-FL TRIM: IRD400-W-SF</td>
</tr>
<tr>
<td>3.5&quot; MX G2 HOUSING: MXG2DRTR-NC-EC1-L0-D101-VOLTS-GC TO CONFIRM MOUNTING OPTIONS TRIM: MXTG2-RTRD300-B-SF-L0-279-36</td>
</tr>
<tr>
<td>D1 3.5&quot; ROUND APERTURE RECESSED LED DOWNLIGHT WITH SELF FLANGED TRIM, NARROW FLOOD OPTIC AND NON-IC HOUSING TO ACCOMMODATE 1&quot; CEILING THICKNESS</td>
</tr>
<tr>
<td>MOUNTING CONDITIONS</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>ZONE LOAD</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>AUDIO PORCH GENERAL LTG</td>
</tr>
<tr>
<td>TASK LIGHTING TASK T1</td>
</tr>
<tr>
<td>LOADING GALLERY WORKLIGHTS</td>
</tr>
</tbody>
</table>

**DEVICE SUMMARY - LOBBY**

<table>
<thead>
<tr>
<th>DEVICE ID. #</th>
<th>TYPE</th>
<th>LOCATION</th>
<th>MOUNTING MOUNTING HEIGHT</th>
<th>WEIGHT</th>
<th>NOTES</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CS</td>
<td>LOBBY ENTRY</td>
<td>FLUSH</td>
<td>0</td>
<td>AFF</td>
<td>&lt;5 LBS LCD TOUCH SCREEN</td>
</tr>
<tr>
<td>3</td>
<td>CS</td>
<td>LOBBY RESTROOM AREA FOR BLACK BOX</td>
<td>FLUSH</td>
<td>0</td>
<td>AFF</td>
<td>&lt;5 LBS LCD TOUCH SCREEN</td>
</tr>
</tbody>
</table>

**SUBMITTAL AND BACKCHECKES**

- DSA SUBMITTAL 11/17/2020
- DSA BACKCHECK 06/17/2021
- DSA BACKCHECK 2 08/10/2021
- DSA ADDENDUM 1 11/22/2021
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS OF

5. ELECTRICAL CONTRACTOR, FIXTURE SUPPLIER,

W1 W1

- SL1

SL1

90

SL1

C-23299

AT

F

SEE DETAIL FOR TYP-

CONTROL CHANNEL

XXX

CIRCUITRY REQUIREMENTS.

MORRO BAY, CA  93442

WESTLAKE VILLAGE, CA  91362

IRVINE, CA  92614

ALHAMBRA, CA 91801

THE LOOPING DOES NOT REFER TO POWER CIRCUITRY, EMER GENCY POWER CIRCUITRY, DAYLIGHT

THEATER/LIGHTING:

2 EXECUTIVE CIRCLE, SUITE 290

PHONE: 323.729.6098

PHONE: 949.252.1022

PHONE:  213.624.2775

AGENCY APPROVAL:

PROGRAMMING OF LIGHTING PRESETS OR EFFECTS PER THE DIRECTION OF THE LIGHTING DESIGN CONSULTANT.

ADJUSTABLE LIGHTING FIXTURES AND THE

KEYNOTES

SCALE:   As indicated

LANDSCAPE:

1  DSA SUBMITTAL                        11/17/2020

SCALE:   As indicated

CIVIL:

SCALE:   As indicated

STRUCTURAL:

SCALE:   As indicated

MEP:

SCALE:   As indicated

ACOUSTICS:

SCALE:   As indicated

CLIENT:

SCALE:   Working Drawings

PROJECT:

SCALE:   Working Drawings

ISSUE NAME:

SCALE:   As indicated

TITLE: LEVEL 01 LIGHTING PLAN

LEVEL 01 LIGHTING PLAN
1. Verify mounting locations and heights of electrical contractor, fixture supplier, and lamp supplier must verify that all LED devices with architect prior to verified by the lighting consultant at the job site prior to rough-in.

2. All fixture and control locations must be adjustable lighting fixtures and the programming of lighting presets or effects per the direction of the lighting design consultant.

3. Control looping indicates control zone design intent only. Refer to electrical drawings for dimming, switching and circuitry information.

4. The contractor is responsible for all devices with architect prior to verifying by the lighting consultant at the job site prior to rough-in.

5. The looping does not refer to power circuitry, emergency power circuitry, daylight, 10V wiring, DMX wiring, or any other line voltage or low voltage wiring. Refer to electrical drawings or lighting control manufacturer shop drawings for all wiring and agency approval.

A. Not all keynotes will be used on every page.
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS OF INSTALLATION.
2. ALL FIXTURE AND CONTROL LOCATIONS MUST BE VERIFIED BY THE LIGHTING CONSULTANT AT THE JOBSITE PRIOR TO ROUGH-IN.

3. CONTROL LOOPING INDICATES CONTROL ZONE DESIGN INTENT ONLY. REFER TO ELECTRICAL DRAWINGS FOR DIMMING, SWITCHING AND CIRCUITRY INFORMATION.

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND EQUIPMENT THAT IS NECESSARY FOR THE FOCUS AIMING OF PROGRAMMING OF LIGHTING PRESETS OR EFFECTS PER THE DIRECTION OF THE LIGHTING DESIGN CONSULTANT.

5. ELECTRICAL CONTRACTOR, FIXTURE SUPPLIER, AND LAMP SUPPLIER MUST VERIFY THAT ALL LED LAMPS ARE COMPATIBLE WITH FIXTURE TRIM HOUSINGS, LAMP SOCKETS, LOW VOLTAGE TRANSFORMERS, AND ELECTRICAL DIMMING SYSTEMS. LED LAMPS WILL OPERABLE AT FULL OR DIMMED INTENSITY WITH NO VISUALLY PERCEIVED FLICKERING WHEN ALL LAMPS ON THE CIRCUIT ARE ENERGIZED.

6. LOW VOLTAGE REMOTE POWER SUPPLY TO BE MOUNTED IN A CONCEALED, DRY, WELL VENTILATED LOCATION WITHIN MANUFACTURER SPECIFIED CHANNEL OR UNDERSIDE OF HVAC DUCTS TO ILLUMINATE STAGE LEVEL LOCKING RAIL. TYPE P2, BOTTOM OF FIXTURE TO MOUNTED AT 21' FOLLOWING CIRCUITRY REQUIREMENTS.

7. NOT ALL KEYNOTES WILL BE USED ON EVERY PAGE.

8. SCALE: As indicated

9. ISSUE NAME: CATWALK LEVEL LIGHTING PLAN

10. CLIENT: PFEIFFER PARTNERS ARCHITECTS, INC.

11. ADDRESS: 1002 WILSHIRE BLVD., SUITE 290, WESTLAKE VILLAGE, CA  91362

12. PHONE: 310.726.9766

13. FAX: 323.729.6098

14. UNIVERSITY: MESA UNIFIED SCHOOL DISTRICT

15. CATWALK LEVEL LIGHTING PLAN

16. THE LOOPING DOES NOT REFER TO POWER CIRCUITRY, EMERGENCY POWER CIRCUITRY, DAYLIGHT HUMAN SENSOR CIRCUITRY, MINI-Circuitry, or any other line voltage or low voltage wiring. REFER TO ELECTRICAL DRAWINGS OR LIGHTING CONTROL MANUFACTURER SHOP DRAWINGS FOR ALL WIRING AND ARCHITECTURAL LIGHTING SYSTEM ADDRESS #

17. A. NOT ALL KEYNOTES WILL BE USED ON EVERY PAGE.

18. DRAWING NUMBER: LT123

19. DRAWING SHEET NUMBER: 1

20. DRAWING SCALE: As indicated

21. DRAWING DATE: JAN. 31, 2023
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS OF

5. ELECTRICAL CONTRACTOR, FIXTURE SUPPLIER,

7. CONTRACTOR TO VERIFY LENGTHS WITH FIELD MEASUREMENTS PRIOR TO PURCHASING.

8. S/L LOCK

13. CTRL

2323 PLACENTIA AVENUE, COSTA MESA, CA 92627

PFEIFFER PARTNERS, ARCHITECTS, INC.

- NEWPORT

4. TYPE SL1, TO BE PROVIDED WITH REMOTE DRIVER TO POWER 4 FIXTURES PER DRIVER FOR PROPER LOW LEVEL DIMMING.

CORRIDOR - BLACK BOX

L4a

UNISEX #3

D6

MENS

D6

JANITOR CTRL - L4a

CTRL

L4b

S/L LOCK

DL2

801A

W3

W3

- 2323 PLACENTIA AVENUE, COSTA MESA, CA 92627

ELECTRICAL - L5

213.895.0923

MMC

IRVINE, CA 92618

8841 RESEARCH DR, SUITE 200

PROGRAMMING OF LIGHTING PRESETS OR EFFECTS PER THE DIRECTION OF THE LIGHTING DESIGN CONSULTANT.

3. CONTROL LOOPING INDICATES CONTROL ZONE

ADJUSTABLE LIGHTING FIXTURES AND THE

AND LAMP SUPPLIER MUST VERIFY THAT ALL LED

NO. DESCRIPTION DATE

THE RUZIKA COMPANY

5655 LINDERO CANYON RD, SUITE 325

1/8" = 1'-0"

THEATER/LIGHTING:

PLAN

STORAGE

ROOM

VALUE

ROOM

CARPET

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

STORAGE

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

 ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM

ROOM
1. Verify mounting locations and heights of fixtures and control locations. All fixture and control locations must be verified by the lighting consultant at the job site prior to rough-in.

2. All lamps are compatible with fixture trim housings, lamp sockets, low voltage transformers, and electrical dimming systems, and will operate at full or dimmed intensity with no visually perceived flickering when all lamps on the circuit are energized.

3. Control looping indicates control zone only. The looping does not refer to power circuitry, emergency power circuitry, daylighting system, 10V wiring, DMX wiring, or any other line voltage or low voltage wiring. Refer to electrical drawings or lighting control manufacturer shop drawings for all wiring and equipment.

4. Design intent only. Refer to electrical drawings for dimming, switching and circuitry information. Providing all labor and equipment that is necessary for the focus aiming of戏剧照明系统, level 02 lighting RCP.

5. Electrical contractor, fixture supplier, and lamp supplier must verify that all LED lamps are compatible with fixture trim housings, lamp sockets, low voltage transformers, and electrical dimming systems, and will operate at full or dimmed intensity with no visually perceived flickering when all lamps on the circuit are energized.
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS OF
2. CONTROL LOOPING INDICATES CONTROL ZONE
3. CONTROL CHANNEL
4. THE CONTRACTOR IS RESPONSIBLE FOR
5. ELECTRICAL CONTRACTOR, FIXTURE SUPPLIER,
6. THEATRICAL LIGHTING SYSTEM ADDRESS #
1. VERIFY MOUNTING LOCATIONS AND HEIGHTS OF ADJUSTABLE LIGHTING FIXTURES AND THE ELECTRICAL CONTRACTOR, FIXTURE SUPPLIER, GENERAL SHEET NOTES

2. CONTRACTOR TO VERIFY LENGTHS WITH FIELD MEASUREMENTS PRIOR TO PURCHASING.

3. LAMPS ARE COMPATIBLE WITH FIXTURE TRIM HOUSINGS, LAMP SOCKETS, LOW VOLTAGE TRANSFORMERS, AND ELECTRICAL DIMMING SYSTEMS ... OPERABLE AT FULL OR DIMMED INTENSITY WITH NO VISUALLY PERCEIVED FLICKERING WHEN ALL LAMPS ON THE CIRCUIT ARE ENERGIZED.

4. A. NOT ALL KEYNOTES WILL BE USED ON EVERY PAGE.

5. DESIGN INTENT ONLY. REFER TO ELECTRICAL DRAWINGS FOR DIMMING, SWITCHING AND CIRCUITRY INFORMATION.
### AV Coordination Schedule - Front of House

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>Functional Description</th>
<th>Mechanical Engineer</th>
<th>Electrical Engineer</th>
<th>Structural Engineer</th>
<th>Architect</th>
<th>Technology Consultant</th>
<th>Acoustics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AV Coordination Schedule - Back of House

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>Functional Description</th>
<th>Mechanical Engineer</th>
<th>Electrical Engineer</th>
<th>Structural Engineer</th>
<th>Architect</th>
<th>Technology Consultant</th>
<th>Acoustics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AV Coordination Schedule - Theater

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>Functional Description</th>
<th>Mechanical Engineer</th>
<th>Electrical Engineer</th>
<th>Structural Engineer</th>
<th>Architect</th>
<th>Technology Consultant</th>
<th>Acoustics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AV Coordination Schedule - Black Box

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>Functional Description</th>
<th>Mechanical Engineer</th>
<th>Electrical Engineer</th>
<th>Structural Engineer</th>
<th>Architect</th>
<th>Technology Consultant</th>
<th>Acoustics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Equipment List

- **SPEAKER - POWERED - SUBWOOFER**
  - 22,096 BTU/Hr.

- **SPEAKER - POWERED - LINE ARRAY**
  - 2 - 1,800 WATT - WIRE CIRCUIT - 4S BOX - EACH EQUIPMENT RACK - AV POWER

- **STAGE MANAGER**
  - 1 - 400 WATT - QUADPLEX - AV POWER - NEXT TO LOW VOLTAGE DEVICE
  - 1,364 BTU/HR.

- **MIX-C**
  - 1 - 1,800 WATT - QUADPLEX - NEXT TO LOW VOLTAGE DEVICE - AV POWER
  - 1 - 600 WATT - QUADPLEX - NEXT TO LOW VOLTAGE DEVICE - AV POWER

- **EQUIPMENT RACK - CONTROL ROOM**
  - 1 - 1,800 WATT - QUADPLEX - NEXT TO LOW VOLTAGE DEVICE - AV POWER
  - 1 - 600 WATT - QUADPLEX - NEXT TO LOW VOLTAGE DEVICE - AV POWER

- **VIDEO PROJECTOR**
  - 2,728 BTU/HR. TEMPORARY

- **TALKER**
  - 6,138 BTU/HR. DURING PERFORMANCE

- **ASSISTIVE LISTENING - FM**
  - 6,138 BTU/HR. DURING PERFORMANCE

---

### Additional Notes

- **PFEIFFER PARTNERS PROJECT NUMBER:**
  - SCALE:

- **PFEIFFER PARTNERS ARCHITECTS, INC.**
  - 18400 VON KARMAN, SUITE 600
  - ANAHEIM, CA 92807

- **EMERGENCY COMMUNICATION WALL STATION**
  - VCA ENGINEERS
  - 1041 SOUTH GARFIELD AVE. SUITE 210
  - ALHAMBRA, CA 91801

- **PROJECTED DOCUMENTATION:**
  - MECHANICAL
  - ELECTRICAL
  - STRUCTURAL

- **DATE:**
  - 11/22/2021
  - 05/03/2021

- **CONSTRUCTION DRAWINGS:**
  - DSA ADDENDUM 1
  - DSA SUBMITTAL

- **AV COORDINATION SCHEDULE - BACK OF HOUSE**
  - AV COORDINATION SCHEDULE - THEATER
  - AV COORDINATION SCHEDULE - BLACK BOX

- **AV SYSTEM:**
  - AVC-010
AV SYSTEM POWER ISOLATION TRANSFORMER

AV SYSTEM POWER GROUNDING NOTES

1. Supply all AC SYSTEM POWER ISOLATION TRANSFORMERS and dedicated isolated ground circuit breakers in accordance with the schedule. Ensure the isolated ground circuit breakers are secured in an isolated ground circuit breaker panel and not energized.

2. The isolation transformers shall be sized to accommodate the full load of the equipment being supplied.

3. The isolation transformers shall be rated for the full load of the equipment being supplied.

4. The isolation transformers shall be located in a remote and secure location.

5. The isolation transformers shall be labeled with the equipment being supplied.

AV SYSTEM GROUNDING NOTES

1. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

2. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

3. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

4. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

5. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

AV SYSTEM POWER GROUNDING NOTES

1. Supply all AC SYSTEM POWER ISOLATION TRANSFORMERS and dedicated isolated ground circuit breakers in accordance with the schedule. Ensure the isolated ground circuit breakers are secured in an isolated ground circuit breaker panel and not energized.

2. The isolation transformers shall be sized to accommodate the full load of the equipment being supplied.

3. The isolation transformers shall be rated for the full load of the equipment being supplied.

4. The isolation transformers shall be located in a remote and secure location.

5. The isolation transformers shall be labeled with the equipment being supplied.

AV SYSTEM GROUNDING NOTES

1. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

2. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

3. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

4. The isolation transformers shall be connected to the isolated ground circuit breaker panel.

5. The isolation transformers shall be connected to the isolated ground circuit breaker panel.
AV SYSTEM GENERAL INSTALLATION NOTES

1. Review all drawings and specifications prior to system installation.
2. Finalize drawings and specifications with consulting engineer and architect.
3. Finalize drawings and specifications with consulting engineer and architect.

TYPICAL AV SYSTEM POWER GROUNDING SCHEME

RACK GROUND
CHASSIS GROUND

120 VOLT AC SINGLE-PHASE
POWER FROM ELECTRICAL
UNUSED COMMON CIRCUIT
AND AC

DEVICE
POWERED
ISOLATION TRANSFORMER

REMOVE STRAP
COMMON CIRCUIT GROUND ONLY,

DATE
NO.
ISSUE NAME:

P.S. SUPPLY
SEAL:

DATE

AV SYSTEM GENERAL NOTES AND DETAILS
AV COVER-PLATE AND BACK-BOX CONSTRUCTION NOTES:

1. THESE DETAILS DEFINE A TYPICAL CUSTOM AV BACK-BOX/COVER-PLATE CONSTRUCTION. THEY DEMONSTRATE AV COVER-PLATE AND BACK-BOX CONSTRUCTION NOTES.

2. SEE THE AV BACK-BOX PLANS FOR LOCATIONS.

3. SEE THE AV BACK-BOX SCHEDULE FOR THE SIZE, ELEVATION AND NOTES.

4. MOUNT THE CONNECTORS ON THE REAR OF THE PANEL.

5. TYPICAL CONNECTOR SEE SPECIFICATION.

6. PROVIDE (2) #10 SMS T&B (8 TOT) PROVIDE BACKING 3/S602.

7. PROVIDE WALL SURFACE CONDITION CHARTER AND ADDITIONAL INFORMATION.

8. DRILL AND CUT HOLE SIZED FOR FLUSH MOUNT BACK-BOXES ON BACK-BOXES THAT HAVE BEEN FLUSH MOUNTED. INSTALL AV COVER-PLATES THAT HAVE BEEN MOUNTED ON BACK-BOXES THAT HAVE BEEN SURFACE MOUNTED.

9. INSTALL AV COVER-PLATES THAT HAVE BEEN MOUNTED ON BACK-BOXES THAT HAVE BEEN FLUSH MOUNTED.

10. PROVIDE BACKING 3/S602.

11. BLACK FLAT-WHEAD FASTENER.

12. BLACK FLAT-WHEAD FASTENER.

13. BLACK FLAT-WHEAD FASTENER.

14. BLACK FLAT-WHEAD FASTENER.

15. 3/16" HIGH CHARACTER, ENGRAVE AND FILL IN WHITE INK.

16. BRUSHED, ANODIZED BLACK, 16" BEVEL.

17. 1'-4" RISER CONDUIT AS SHOWN ON THE AV CONDUIT.

18. DO NOT SURFACE MOUNT STANDARD GANG SIZE AV COVER-PLATES.
THEATRICAL EFFECTS LOUDSPEAKER WALL MOUNT

1/4"=1"

A SECTION

AV BACKBOX, PANEL AND CONNECTOR LOUDSPEAKER AND MOUNTING BRACKET. 40LBS

B FRONT ELEVATION

SUB WOOFER

MASON NEOPRENE ISOLATOR PAD TYPICAL FOR FOUR FLOOR

SUB WOOFER

TYPICAL BLACK BOX LOUDSPEAKER MOUNT DETAIL

1/4"=1"

B SECTION

1/4"=1"

1/4"=1"

TYPICAL SUBWOOFER MOUNTING DETAIL

SIDE ELEVATION

SUB WOOFER

SUB WOOFER

THEATRICAL EFFECTS LOUDSPEAKER - REFLECTOR

1/4"=1"

A SECTION

THEATRICAL EFFECTS LOUDSPEAKER WALL MOUNT.
BOX BOOM LIGHTING PIPES
INSTALL REMOUNTABLE 1/2" ID STD STEEL PIPE (1.9" O.D.)
LIGHTING CROSSBARS AT 27" INCREMENTS, USING ALVIN INDUSTRIAL 'ROTA-LOCK' CLAMPS. REF. 7/TR801.
TYPICAL AT EACH OF BOX BOOM WALL OPENING. VERTICAL POSTS BY G.C. PER 15/A862.

PTFEIFFER PARTNERS ARCHITECTS, INC.
700 SOUTH FLOWER ST.
SUITE 1150
LOS ANGELES, CA 90017
PHONE: 213.624.2775
FAX: 213.895.0923
CLIENT: ISSUE NAME: PFEIFFER PARTNERS PROJECT NUMBER:
CIVIL: 1041 SOUTH GARFIELD AVE. SUITE 210
ALHAMBRA, CA 91801
PHONE: 323.729.6098
VCA ENGINEERS
LANDSCAPE:
8841 RESEARCH DR, SUITE 200
IRVINE, CA 92618
PHONE: 949.387.1323
RLA
STRUCTURAL:
18400 VON KARMAN, SUITE 600
IRVINE, CA 92612
PHONE: 949.252.1022
KPFF
MEP:
5200 E LA PALMA AVE
ANAHEIM, CA 92807
PHONE: 714.693.2277
OED
THEATER/LIGHTING:
2 EXECUTIVE CIRCLE, SUITE 290
IRVINE, CA 92614
PHONE: 949.253.3479
THE RUZIKA COMPANY
ACOUSTICS:
5655 LINDERO CANYON RD, SUITE 325
WESTLAKE VILLAGE, CA 91362
PHONE: 818.991.9300
MCH
AV:
895 NAPA AVENUE, SUITE B3
MORRO BAY, CA 93442
PHONE: 310.726.9766
MMC
AGENCY APPROVAL:
SEAL:
11/11/2021 6:17:26 PM
C:\Users\shawn.ruzika\Documents\1902 Estancia Theatrical_R19_sfidler.rvt
SCALE: 1/4" = 1'-0"
TR102
STAGE RIGGING PLAN - MEZZANINE
NEWPORT-MESA UNIFIED SCHOOL DISTRICT
6164.00
2323 PLACENTIA AVENUE, COSTA MESA, CA 92627
ESTANCIA HIGH SCHOOL THEATER PROJECT
1/4" = 1'-0"
RIGGING ELEVATION - WORKLIGHT BATTEN

TR704
COUNTERWEIGHT
20,000 LBS 6" WIDE

PORTABLE EQUIPMENT

BLACK BOX TRUCK AND DRAPERY SCHEDULE (DRAPES FF&E/N.I.C.)

PORTABLE EQUIPMENT
NOTE: ALLOW MULTICABLES FEEDING STAGE LIGHTING ELECTRICS TO DANGLE STRAIGHT FOR THREE DAYS TO RELIEVE TWISTING PRIOR TO TERMINATION AT CONNECTOR STRIPS AND RIGGING OF CABLE CRADLES.

BEFORE CUTTING AND MAKING TERMINATIONS, COORDINATE WITH RIGGING CONTRACTOR TO TRIAL-FIT THE CABLES AND ENSURE CORRECT CABLE LENGTH BETWEEN THE CRADLES AND THE TERMINAL BOXES, ALLOWING UNRESTRICTED TRAVEL OF LINSET. THE LINESET MUST BE ABLE TO TRAVEL THROUGH ITS FULL RANGE WITHOUT THE CABLE SWAGS TWISTING, PUTTING TENSION ON CABLE ENDS, OR PULLING THE CABLES OUT OF VERTICAL.
VOLTAGE SECTION OF CIRCUIT MULTI-END. FOR DMX, TMB PC224P CABLE WITH NEUTRIK XX LOW VOLTAGE RECEPTACLE AT EACH DATA CABLE ENTRY."
FLOOR POCKET MOUNTING DTL. AT METAL STUDS
FOLLOWSPOT PIVOT HEIGHT
FLOOR-MTD DIMMER RACK ANCHORAGE
FLOOR MOUNT BOX DETAIL - BELOW SEAT
EM. LTG. TRANSFER SWITCH MTG. AT METAL STUD WALL
CER-2 EQUIPMENT RACK MOUNTING AT CMU WALL
RELAY RACK AT CMU WALL
CER-1 EQUIPMENT RACK MTG. AT METAL STUD WALL
RELAY RACK AT METAL STUD
FLOOR POCKET MOUNTING DETAIL AT CONCRETE
1. Install (8) portable 8" LED Fresnel spotlights at FOH catwalks. See TL103 for notes on locations.

2. Install (28) wide-flood LED worklights at stage area. See TL103 for notes on locations.

3. Install (3) PAR-style halogen running lights (including barn doors) at stage area. See TL103 for notes on locations.

4. Connect all fixtures noted above to circuits as noted on TL103. Install safety cable on each fixture. Cover fixtures.

Lot circuit distribution plug boxes and connector strips per circuit device summary and plans.

Schedule of equipment quantities:
- 1 emergency lighting detection kit (EBDK)
- 1 stage lighting control console (CC-101), with UPS + accessories
- 2 touchscreen video displays for CC-1 control console

Circuit device summary:
- Dimmer
- ELV
- Stage apron SL
- Stage wall USR
- Fly gallery
- Electric #4
- Electric #3
- Tech gallery SL near
- Tech gallery & box boom SR
- Box boom SL
- Stage level 1P 20A
- Tech gallery & box boom SR (EM) work LT fixt
- System
- STAGE LIGHTING SCHEDULES
- RELAY See TL103 for notes on locations.
- Control receptacle stations per control device summary and plans
- Houselight/worklight control stations per control device summary and plans

1 EMERGENCY DMX BYPASS CONTROLLER (DEBC)
1 12-PORT INSTALLATION DMX/RDM REPEATER (CD-102)
1 HANDHELD WIRELESS REMOTE FOCUS DEVICE (WRFU-1)
1 PORTABLE CONTROL STATION (PCS-2) FOR AUXILIARY LIGHTING SYSTEMS
1 PORTABLE 2-PORT ETHERNET/DMX512 OUTPUT NODE. (PoE, WITH C-CLAMP, 2x DMX512 OUTPUTS)
1 EMERGENCY LIGHTING DETECTION KIT (EBDK)
1 STAGE LIGHTING CONTROL CONSOLE  (CC-101), WITH U.P. + ACCESSORIES
ACCESSIBILITY NOTES FOR MAXIMUM SEATING LAYOUT

REFERENCE 2019 CBC OCCUPANCY TYPE: GROUP A ASSEMBLY SEATING

WHEELCHAIR SPACES REQUIRED BY CBC 11B-221.2.1.1.

A MINIMUM OF 4 SPACES ARE PROVIDED IN A VARIETY OF LOCATIONS

REQUIRED = 4

PROVIDED = 4

WHEELCHAIR COMPANION SEATS ARE PROVIDED ADJACENT TO WHEELCHAIR SPACES PER CBC 11B-221.3

INDICATED BY "C" AT CHAIR ICON

REQUIRED = 4

PROVIDED = 4

SEATING FOR SEMI-AMBULANT INDIVIDUALS REQUIRED BY CBC 11B-221.6 = X x (1% OF TOTAL SEATING) OR A MINIMUM OF 2.

REQUIRED = 2

PROVIDED = 2 (ROW A)

CODE CALCULATIONS FOR SEATING

REFERENCE 2019 CBC OCCUPANCY TYPE: GROUP A ASSEMBLY SEATING

NOTE A:

AISLE ACCESSWAY FOR DUAL ACCESS ROWS WITH AISLES AT BOTH ENDS PER CBC 1029.13.2.1

0.3" OF ADDITIONAL AISLE SPACE IS REQUIRED FOR EACH ADDITIONAL SEAT OVER 14 SEATS ON TOP OF THE 12" MINIMUM AISLE ACCESSWAY REQUIREMENT.

WORST CASE IS WITH 14 SEATS.

12: AISLE ACCESSWAY IS PROVIDED.

NOTE C:

THE COMMON PATH OF EGRESS TRAVEL (PER CBC 1029.8) SHALL NOT EXCEED 30 FEET FROM ANY SEAT TO A POINT WHERE AN OCCUPANT HAS A CHOICE OF TWO PATHS OF EGRESS TRAVEL TO TWO EXITS.

-FOR ALL DUAL ACCESS ROWS THE WORST CASE IS 0'-0" WHICH DOES NOT EXCEED THE MAXIMUM OF 30'-0" PERMITTED.