

Date: 2021.07.22

**Massari Theater Renovation
TSJC-21-001**

ADDENDUM No. TWO (2)

APPROVED CONTRACT DOCUMENT TRINIDAD STATE JUNIOR COLLEGE STATE BUILDINGS PROGRAM		
REVIEWED BY:	Justin Sumpter	2021.07.22
	Project Architect/Engineer Schendt Engineering Corporation, Inc.	DATE
REVIEWED BY:	Principal Representative	DATE
APPROVED BY:	State Buildings Program	DATE

The original Plans and Specifications, dated April 14, 2021 for the project noted above, are amended as indicated and described in this Addendum.

GENERAL:

The Advertisement for Bid was made 2021.04.28

The mandatory pre-bid meeting was hosted 2021.05.13

Four sets of contractor RFI were received by 2021.05.17

Addendum 1 was delivered to contractors by email on 2021.05.18

Bids were received over-budget, the design was value-engineered.

The second Advertisement for Bid was made 2021.07.1

The mandatory pre-bid meeting was hosted 2021.07.15

Three sets of contractor RFI were received by 2021.07.19

Addendum 2 (this document)

Addendum 2

RFI #2 responses

1. Spec Para 1.6 - E - 6: Lists Canto Retro Passive 500 - Drawing TS-108 shows Canto Retro Passive 700. Please clarify which fixture is to be used.
Drawings updated to reflect selection of Passive 500 unit.
2. Drawing TS-107 Symbol Key shows Pendant LED Retro at 100w. The Passive 500 is 50w and the Passive 700 is 72w. Please clarify.
Drawings updated to reflect accurate wattages.
3. Re: Emergency Lighting and Control:
- Sheet E-501 - Details "ELR Wiring Diagram" indicates EM lighting to be controlled by an ELR - this device is undefined (is this supposed to be an ALCR - see 2020 NEC Article 700.26) and it appears the Emergency fixture is also controlled with a normal lighting zone
E-501 is updated to refer to theatrical. One run of power is fed to the EM fixtures and the source for that feed is switched on/off by a Foundry Relay. When emergency battery is triggered, source of power switches via SC1008. See TS sheets for details.
4. - Detail "House Emergency Lighting" implies Emergency Light Fixtures are DMX controlled and sensing normal power but connected to EM power - appears the fixtures would need to be UL924 listed? (see 2020 NEC Article 700.24)
EM fixtures intent is not DMX controlled - relay that controls their normal power is DMX controlled.- Drawing TS-108 shows using an ETC SC1008 BCELTS UL1008 listed transfer device to xfer the EM lighting from normal power control (Relay Panel) to EM power upon loss of normal power. Seems to be missing normal power sensing. TS-108 & 113 both show normal power for SC1008 fed from 20amp breaker in Panel B through a DMX-controlled Foundry Relay, and sense power fed directly via separate 20amp breaker in Panel B. E501 is updated to remove detail
5. Drawing TS-113 shows using an ETC SC1008 BCELTS UL1008 listed transfer device to xfer the EM lighting from normal power control (Relay Panel) to EM power upon loss of normal power.
- Spec page 26 55 61-2 is calling for Foundry relay and SC1008.
Both the SC1008 & Foundry Relay are shown on TS-113.
6. If these fixtures are to be phase dimmed, the SC1008 is required, a foundry dimmer is required, and the EM HighBay fixture would need to be specified as phase dimmable.
EM fixtures intent is switched only, not controlled for dimming.
7. If these EM fixtures are to be switched only - they would only require an ALCR(\$) vs a BCELTS (\$\$\$) with the Foundry relay module serving as the lighting control switch for the ALCR and the EM HighBay fixture would need to be switchable (ON/OFF).
Use of ETC SC1008 BCELTS is preferred over ACLR, per drawings and spec.
8. If these fixtures are not used unless normal power has failed, they only need to be wired via an ALCR (no lighting control interface needed) and would only illuminate upon loss of normal power.
In normal operation, the EM fixtures are intended act as switchable work light fixtures, and in emergencies they will latch on.
9. Please advise intent and can the associated drawings (E & TL) be updated to eliminate confusion and include an operational narrative for identification of operational intent?
Narrative added on TS-113.
10. Re: Emergency Light Fixtures - Possible Substitution for Hubbell LTC-3RDW: Clarte' 3" Fixed Monopoint (this fixture is available with ON/OFF, 0-10V, DMX, or phase dim driver with field changeable optics, and

field changeable beam shaping capability). <https://www.clartelighting.com/wp-content/uploads/2019/12/SMR1-202-FIX-PAR20.pdf>

No

11. Section 26 55 61 - Para. 2.4.12 - Fourteen ColorSource Spot Jr fixtures // Drawing TS-101 lists 12 ColorSource Spot Jr fixtures // Please clarify quantity.
12 is correct
12. The substantial completion date of October 6 is not feasible given material procurement lead times in addition to construction duration. We propose that the substantial completion date be negotiated after the notice of award.
Completion date will be negotiated based on documented procurement dates
13. Will any information from Addendum 1 from the original bid for this project become no longer applicable given the changes in specifications for re-bid? Will you issue a red-lined version of that addendum as supplemental information for this bid?
A redlined version will not be provided
14. Consider bidders who attended the first mandatory prebid meeting will be allowed to bid, without attending the second prebid meeting
Yes, those first attendees are allowed

CHANGES TO DRAWINGS:

1. E501
Emergency lighting detail removed
2. TS-107
Fixture Wattages
3. TS-108
Fixture selection
4. TS-113
Narrative

END OF ADDENDUM NO. 2

Addendum 1, 2021.05.17

RFI

1. Bidder Question: Part 1 - Para 1.4 - Installation of stage rack - A: Who supplies and installs the stage rack?

Response: GC shall provide 18u swinging equipment rack

2. Bidder Question: Part 2 - Para 2.4 - Installation of new theatrical lighting system - B - 14: Provide details in regards to quantities, lengths and connector types for power cables, and quantities and lengths for DMX cables.

Response: Quantities and lengths of cables should be determined based on the plot by the integrator. Connector types are outlined in 26 55 61 2.1 General Practice.

3. Bidder Question: Part 2 - Para 2.6 - Furnish and organize stock equipment - B: Who supplies and installs metal storage cabinet?

Response: contractor

4. Bidder Question: Drawing TS-108: Who supplies and pulls, (installs), CAT 6 cable?
 - a. Is CAT 6 cable in conduit or free run?
 - b. Who supplies and pulls, (installs), Cat5E cable?
 - c. Is Cat5E cable in conduit or free run?

Response: Conduit installed by GC, ethernet backbones and main runs installed by AV integrator. CAT5e running from POE switches to nodes would be responsibility of lighting integrator, and would likely be able to free run depending on pathway. All ethernet on TS-108 would be lighting scope, with TS-110 in AV scope.

5. Bidder Question: All rigging was identified by the contractor as insufficient: supported to fire sprinkler pipe, using cloth rope, using "s" hooks, using jack chain

Response: Much of the rigging is acceptable. Replace all insufficient items to bring assembly up to current code.

6. Bidder Question: What is the design load for the existing stage floor

Response: Stage designed load will support 3000lb lift with no other loads in the area. Remove all stored materials when lift is on structure

7. Bidder Question: Specify data cables to light fixtures shall be in conduit or will loose cable be allowed

Response: Loose data cables are permissible per code. All cable shall be supported. Hook/loop wrap is shall be used to support loose cables.

8. Bidder Question: Identify in spec and drawings which equipment is owner furnished

Response: Refer to spec 26 55 61

9. Bidder Question: Are alternate products acceptable?

Response: Alternates to design products must be identified in the bid. Alternates after bid will be allowed at owner and engineers discretion.

10. Bidder Question: 265561 – 2.2-B: Spec calls for existing ETC Source4 units to be cleaned and reflectors to be replaced. Can an accurate count of existing ETC Source4 Units please be provided to price accordingly.

Response: 11 ETC Source 4 units shall be provided by TSJC from existing inventory.

11. Bidder Question: 265561 – 2.2-B: In reference to question #1, please confirm it is the intent to replace the reflectors and not the burner units?

Response: Confirmed. Intention is to replace Source 4 reflectors due to age and condition. ETC part number 7060A4015. Lamp burner assemblies are currently functioning and replacement of them is not in this scope.

12. Bidder Question: 265561 – 2.2-B: In reference to question #1 & #2, please confirm if these repairs are to take place with Source4 Junior fixtures, and if so, please provide an accurate count to price accordingly.

Response: No Source 4 Junior fixtures in the plot. Repairs only for standard Source 4 units.

13. Bidder Question: 265561 – 2.3-A: At the site walk it was said that the dimmer rack was going to be OFCI. If this is true, can purchase information please be provided so that this can be excluded from the packaged price from ETC? Serial numbers would also be required.

Response: Dimmer rack is contractor provided

14. Bidder Question: 265561 – 2.4: This section of the specification calls for a dedicated lighting focus to happen in the space. Can the number of necessary present individuals and focus call length please be provided to price accordingly.

Response: Designer shall be present for focus call, and TLI shall provide sufficient labor to execute focus of entire system in no more than 2 working days. Note that scheduling this will require coordination with other contractors to ensure space is ready for focus (stage is clear and painted, system is functioning properly, etc.). Expectation shall be that Designer is on stage calling focus and TLI provides crew to focus lights and operate the console (operation using wifi remotes is acceptable).

15. Bidder Question: 265561 – 2.4-B-10: Are ETC ColorSource CYC fixtures an acceptable substitute for the ColorSource Linear 4 units? If so, please provide a quantity of fixtures to be provided.

Response: Fourteen ETC ColorSource Cyc Deep Blue fixtures shall be considered equivalent to the specified Six ColorSource Linear 4 Deep Blue fixtures with Wide Linear Vertical lenses.

16. Bidder Question: 265561 – 2.4-C: Can the Lightwright and VectorWorks files please be provided?

Response: Vectorworks and Lightwright files shall be provided at contract award.

17. Bidder Question: 265561 – 2.4-E: If wireless DMX is found to be unsuitable, as determined by the theatrical consultant at system acceptance, please confirm that any additional project costs associated with installing ETC Response gateways will be accepted via a change order?

Response: Confirmed. Cost for wired solution would incur a change order.

18. Bidder Question: 265561 – 2.6: Please confirm that this section of the specification is Add Alternate #3?

Response: Confirmed

19. Bidder Question: With regards to the theatrical dimmer rack, the CEM3 processor, which is the brain of the rack, is currently backordered until August. Without this device, the theatrical lighting system will be inoperable. It is called out that there is a hard substantial completion date of July 30th, which given the backorder status is not achievable. Can this information formally be acknowledged by the owner, consultant and EOR, and that this is something that is out of the control of the theatrical lighting integrator.

Response: Contractor shall order materials as soon as contract is awarded. Delays outside of contractor's control shall be communicated (documented) as they occur.

20. Bidder Question: 265561 – 3.5-B-10: Shure SLXD wireless is currently backordered until the middle of August. Please confirm that this is acceptable, or please provide an approved alternate to provide?

Response: Shure SLXD24D/SM58 shall be considered the preferred equipment, even if backordered a moderate amount of time. TAVI shall install and tune once available. If equipment is on order and system is ready to integrate it, the rest of the system may be commissioned without this equipment installed.

21. Bidder Question: 265561 – 3.5-B-10: Please confirm that Middle Atlantic Products is an acceptable manufacture for the 2RU drawer?

Response: Confirmed. Middle Atlantic is acceptable.

22. Bidder Question: 265561 – 3.5-B-15: Please confirm that the QLab license is to be procured by TSJC?

Response: QLab license shall be procured and installed by TAVI.

23. Bidder Question: 265561 – 3.5-B-16: Please confirm the TAVI is to provide the Qsys licenses as called out in the specification?

Response: TSJC has purchased the appropriate Qsys licenses when they purchased the Qsys Core.

24. Bidder Question: 265561 – 3.5-B-17: The existing AV equipment rack does not meet the current standards for AV equipment, and should be replaced. Can a specific model of rack to be installed please be provided?

Response: Consultant considers current booth rack sufficient, and replacement of the rack is not in the scope of this project.

25. Bidder Question: 265561 – 3.7-B-1: Can a specific model and brand of XLR patch panel please be provided?

Response: Consultant recommends Applied Research and Technology P16 XLR patch bay, although any comparable 16x16 1RU XLR patch bay shall be considered acceptable, including custom solutions.

26. Bidder Question: 265561 – 3.10: Please confirm that this section of the specification is Add Alternate #4?

Response: Confirmed

27. Bidder Question: 265561 – Part 4: During the site walk, it was determined that the hardware used to attach theatrical battens and drapery tracks to the building structure does not conform to ANSI E1.4-2 – 2021 and ANSI E1.56 – 2018. Major issues discovered were use of non-forged shouldered eye bolts, use of non-welded link chains, improper methods of attaching battens to suspension materials, use of s-hooks to attach drapery track hangers to suspension materials, use of cotton rope as a suspension material,

suspension of battens off of sprinkler pipes, and improper batten pipe splices. Some of these issues if not corrected present imminent life safety threats if a failure is to occur. All of the theatrical rigging in the space needs to be completely redone prior to any new equipment being installed. Please confirm that these corrections are necessary for the project to move forward? (Please note that these statements are being made by a qualified individual holding an Entertainment Technician Certification Program (ETCP) Theatrical Rigging Certification #2870).

Response: Consultant agrees that current state of rigging in the Massari is unsafe and insufficient. Any corrections necessary to provide a safe and complete system are considered part of the base scope of the TRDI.

28. Bidder Question: 265561 – 4.2-A: Please note that the referenced specification section refers to specific rigging points installed in places of assembly for large loads. While applicable, ANSI 1.4-2 – 2021 should be used as the standard in this application.

Response: Consultant agrees that ANSI 1.4-2-2021 is the standard that shall be adhered to. (1.4-2-2021 was not yet published at the time of initial consultation.)

29. Bidder Question: 265561 – 4.3-C: All of the existing drapery tracks are in very poor condition and need to be replaced. Please confirm that the cost to replace all drapery tracks should be included in the project, and that track should be black.

Response: If track is in condition that is unusable, it shall be replaced as part of the base scope of the TRDI. Track color is not important to the consultant being that it shall not be in the nightlines of the audience. Black or unfinished silver is acceptable.

30. Bidder Question: 265561 – 4.3-D: The method used to splice batten pipes together, rivets into an internal pipe, is no longer acceptable. All batten splices must utilize bolts through both side of the pipe, with an internal sleeve. Please confirm that the cost to resplice all pipes should be included in the project.

Response: Concur, see answer above.

31. Bidder Question: 265561 – 4.4-C: It is not typical to install new drapes constructed from FR treated cotton velour as they will require continual retreating to maintain FR compliance. It is recommended that drapes to be provided are constructed from IFR (inherently flame retardant) velour as they will not require retreatment to maintain compliance. Please confirm that 25oz Charisma should be used in place of 21oz Marvel.

Response: Although FR curtains will require retreating in the future, IFR curtains shall not be considered inherently safer due to the presence of dust and other contaminants that will adhere to the drapes and cause additional fire risk just the same as FR curtains. Consultant prefers the use of the specified FR fabrics.

32. Bidder Question: 265561 – 4.4-C: It is not typical to install new drapes constructed from FR treated cotton velour as they will require continual retreating to maintain FR compliance. It is recommended that drapes to be provided are constructed from IFR (inherently flame retardant) velour as they will not require retreatment to maintain compliance. Please confirm that 20oz Crescent should be used in place of 16oz Princess.

Response: See answer above.

33. Bidder Question: 265561 – 4.4-C-3: All exiting drapery tracks are ADC 280 series track, with the exception of the cyclorama. Please confirm that ADC 280 series should be supplied.

Response: ADC 170 or ADC 280 shall be considered acceptable per 265561 4.4.

34. Bidder Question: 265561 – 4.4-C-8: Can dimensions and construction details for the tab curtains please be provided.

Response: Tab curtain details:

Drape with Vertical Seams

Material: Commando Cloth 54 in FR 12 oz Light Weight Red Dot Black

20 feet - 0 inches high x 6 feet - 0 inches wide

With 0% Added Fullness, Unlined

Top: PP webbing grommets & ties, 3 in. webbing with #3 grommets on 12 inch centers.

Bottom: Chain hem lined, 5 in.

Stage Right: Flat hem, 2 in.

Stage Left: Flat hem, 2 in.

35. Bidder Question: 265561 – 4.4-C-9: Can dimensions and construction details for the cyclorama curtain please be provided.

Response: Cyclorama details:

Seamless Drop with Horizontal Fabric

Material: Leno Filled Scrim 29 ft-0 in FR White

20 feet - 0 inches high x 44 feet - 0 inches wide

With 0% Added Fullness, Unlined

Top: Jute webbing grommets & ties, with #3 grommets on 12 inch centers.

Bottom: Pipe pocket w/ skirt (pipe slits), 5 in.

Stage Right: Flat hem, 2 in.

Stage Left: Flat hem, 2 in.

36. Bidder Question: 265561 – 4.4-C-10: Can dimensions and construction details for the scrim curtain please be provided.

Response: Scrim details:

Seamless Drop with Horizontal Fabric

Material: Sharkstooth Scrim 25 ft-0 in FR Black

20 feet - 0 inches high x 44 feet - 0 inches wide

With 0% Added Fullness, Unlined

Top: Poly webbing grommets & ties, 3 in. webbing with #3 grommets on 12 inch centers.

Bottom: Pipe pocket w/ skirt (pipe slits), 5 in.

Stage Right: Double hem, 2 in.

Stage Left: Double hem, 2 in.

37. Bidder Question: 265561 – 4.4-C-12: Should an allowance be carried if this work is to be completed by the TRDI?

Response: This scope shall be considered TSJC provided unless later specified. If client decides this work shall be completed by TRDI, a change order shall be issued.

38. Bidder Question: 265561 – 4.5: Please confirm that these items are to be provide as part of the base bid.

Response: Items specified in 4.5 are base bid.

39. Bidder Question: 265561 – 5.1: Is training to be conducted as one consecutive eight our session, or as (2) four hour sessions?

Response: Training sessions shall be one 8-hour session per scope, with one provided meal break and two rest breaks.

40. Bidder Question: Per Spec Section 265561, Please confirm that any and all new conduit runs are to be the responsibility of the EC?

Response: Installation of new conduit runs are the scope of the GC. Notice of the need for a new conduit run must be made by the TAVI, TRDI, or TLI to the GC prior to the start of work.

41. Bidder Question: Per Spec Section 265561, please confirm that provision and installation of all low voltage wiring for the project is the responsibility of the theatrical contractor?

Response: Confirmed. All low voltage wiring is the responsibility of the theatrical contractor(s).

42. Bidder Question: E-101: The pendant house lights (fixture A and AE), are powered via Panel "B", recessed house lights (fixture C) are powered via the new dimmer rack. Both of these fixtures should be powered via the same device. Is this change possible?

Response: All ArcSystem fixtures should be powered from Panel B.

43. Bidder Question: With regards to Question #33, if fixture type A, AE and C are to be powered by via Panel "B", it is recommended that an ETC Foundry UFMP4 is placed between the panel and the fixtures so that fixtures can be fully shut off and not have their LED drivers constantly running. Please confirm that this should be included?

Response: ETC Foundry UFMP4 shall be placed in line to provide switching of ArcSystem fixtures.

44. Bidder Question: E-101: Fixture type E is called out to be specified on the theatrical drawing set. This fixture type is not drawn, nor called out on any of the theatrical sheets. Please provide clarification as to what is to be provided.

Response: Fixture type E is indicated on TS-107 and 265561 2.3: ETC ArcSystem Pro Two-Cell 24deg.

45. Bidder Question: E-101: As new theatrical power raceways are not being provided, please clarify which contractor is responsible for determining the circuit combination plan so that all receptacles are energized.

Response: GC is responsible for wiring of theatrical raceways.

46. Bidder Question: S-102: The current location of the center speaker will cause odd sound issues in the space that may not be correctable via smart tuning. It would be preferable for this speaker to be in-line with those mounted on the stage wall. Please confirm this change is acceptable.

Response: Consultant agrees specified location of center speaker is not ideal. Ideal placement, at top center of proscenium arch would obscure the project screen. If TAVI can provide a solution that places the speaker at this location without compromising the screen, this would be considered preferable to the drawn configuration. However, if that location cannot be utilized, the location drawn will be considered sufficient.

47. Bidder Question: TS-105: Are the video screen controls to be integrated into the Qsys system?

Response: Integration of the video screen motor controls into Qsys are not in scope at this time.

48. Bidder Question: TS-108: The ETC ColorSource Transmitter has been discontinued. The approved substitute is the City Theatrical SHoW Baby Multiverse, part #5900. Please confirm this should be provided.

Response: SHoW Baby Multiverse 5900 shall be used in place of ColorSource Transmitter.

49. Bidder Question: TS-110: While it is possible to split AV and LTG with different VLAN's on the network, industry standard practice is to keep AV and LTG on completely separate networks. This would require more switches to be provided. Please confirm this is acceptable?

Response: Use of multiple switches shall be acceptable, but using fewer switches with different VLAN's shall be considered sufficient if executed per design. Cost and rack space is a driver of this design choice and should be considered if integrator decides to provide more switches than specified.

50. Bidder Question: Manufacturer and Catalog No. for Fixtures A and AE are not listed in the Light Fixture Schedule. Will a specification or an allowance per fixture be provided?

Response: Refer to theatrical lighting design for fixture requirements.

51. Bidder Question: Is all work shown on the Electrical New Work - Basement Plan, including gear in the mechanical room, to be left out of the base bid and priced as Alternate 1?

Response: Lighting inverter, feeder connections are included in base bid. All lighting and lighting controls in lower level are alternate.

52. Bidder Question: Are any items shown on Detail 5.1 to be included in the Base bid or any Alternates, such as Stage Manager Counter?

Response: Refer to attached updated sheet TS105

53. Bidder Question: Clarify lighting inverter model basis of design

Response: Design product is DualLite D120-27S120-A2002

54.

CHANGES TO SPECIFICATIONS:

1. Update 26-55-61 -1, 1.3(C) to

Painting and clear-coating of floor with Rosco Off-Broadway Black 5352 and Rosco Clear Gloss Glaze 5580. Painting of stage shall take place close to the end of the installation process so as to prevent undue wear-and-tear from construction work.

2. Update 26 55 61 -5 2.4(E) to

Data shall be distributed to system as specified in drawing package using ETC Response Mk2 Gateways, ETC ColorSource Wireless DMX Transmitters and Receivers, Cisco SG350-10P Ethernet Switches, and one Cisco WAP571. Integrator shall confirm the functionality of wireless DMX devices by means of local wireless spectrum analysis. Should such testing serve to discourage the use of wireless data distribution, additional ETC Response Mk2 Gateways shall be used instead. TLI shall furnish and install all network cables indicated on TS-108, with the exception of CAT6 connecting network switch in booth rack to network switch in stage rack. All network cables shall run thru conduit wherever possible.

3. Update 26 55 71 -7 3.4(E) to

TAVI shall furnish and install all network cables indicated in TS-110 with the exception of CAT5e cables connecting to VLAN 1 of the booth and stage rack switches. All network cables shall run thru conduit wherever possible.

CHANGES TO DRAWINGS:

1. Update E101

Circuiting to C fixtures
Circuiting to A fixtures

2. Update to E601

Panel B schedule, circuit 9

3. Update to TS-103:

Added Note 12) All hardware and equipment necessary to execute a safe and secure system shall be provided by the the TRDI.

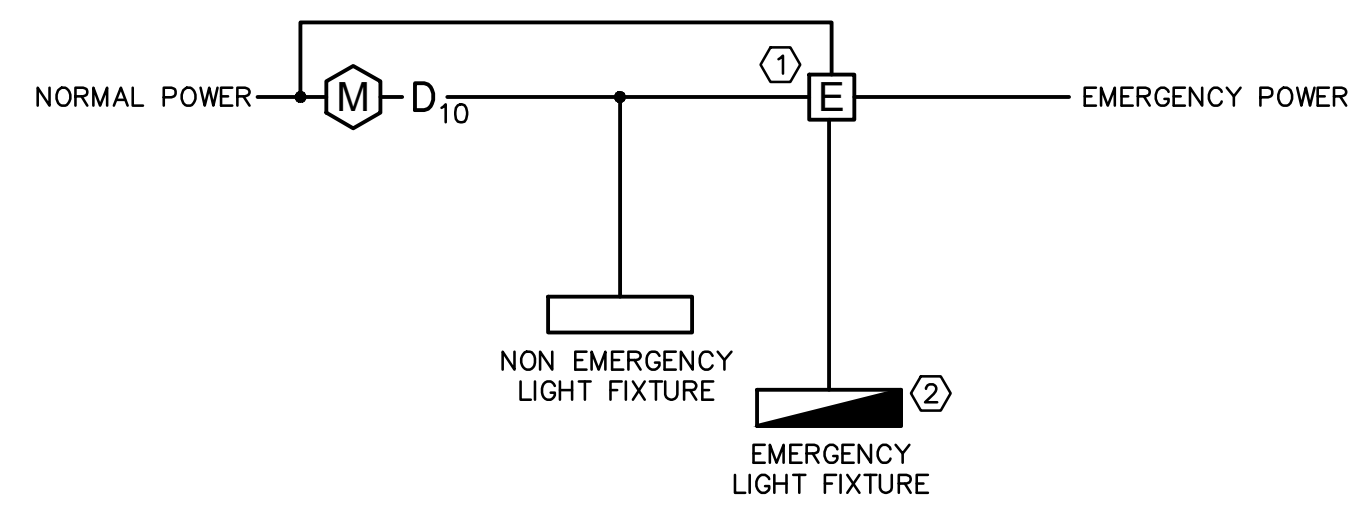
4. Update to TS-105:

updated annotations to drawing 5.1 to reflect scope divisions.

5. Update to TS-108 & TS-114:

Addition of ETC Foundry UFMP4 into House Lighting system.

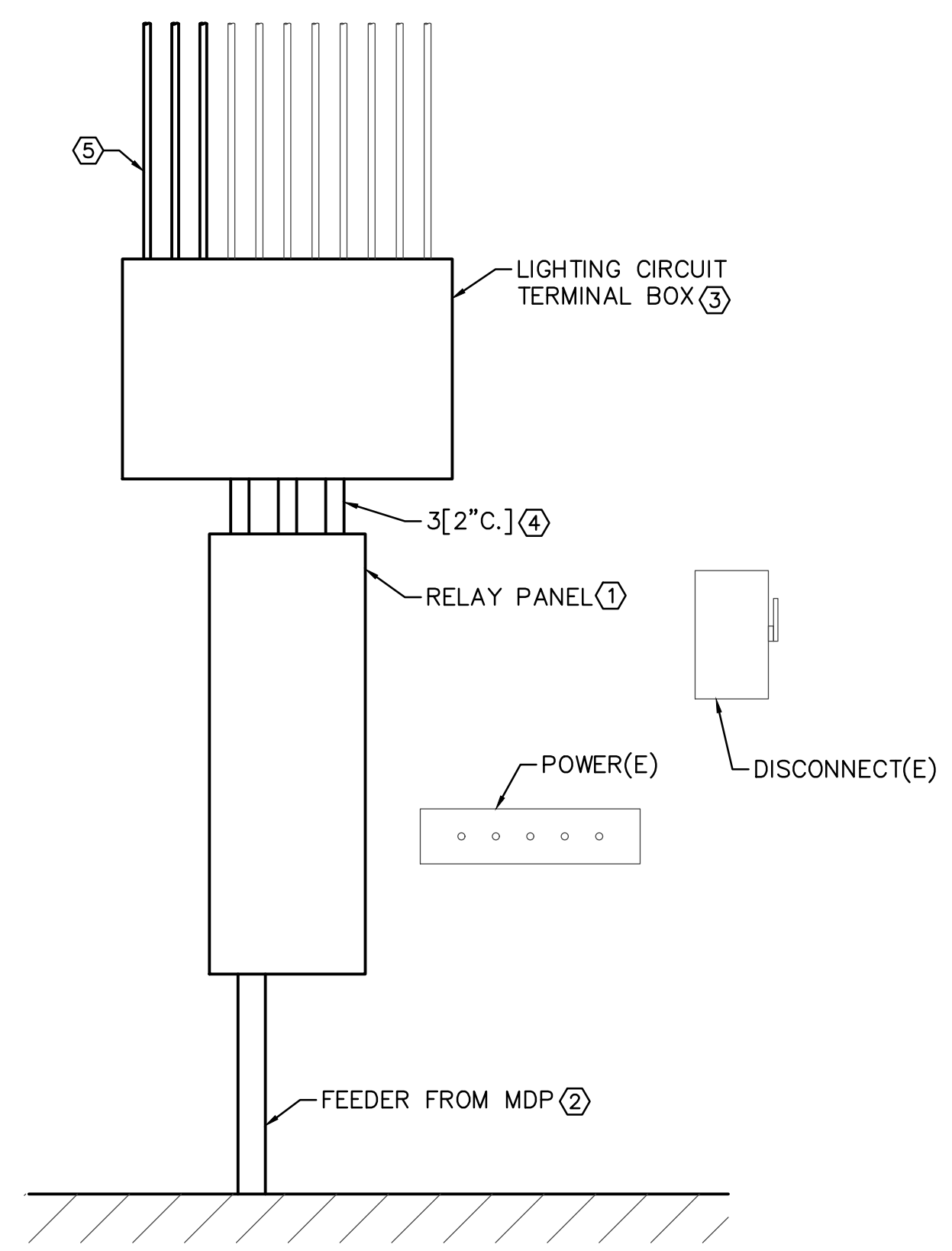
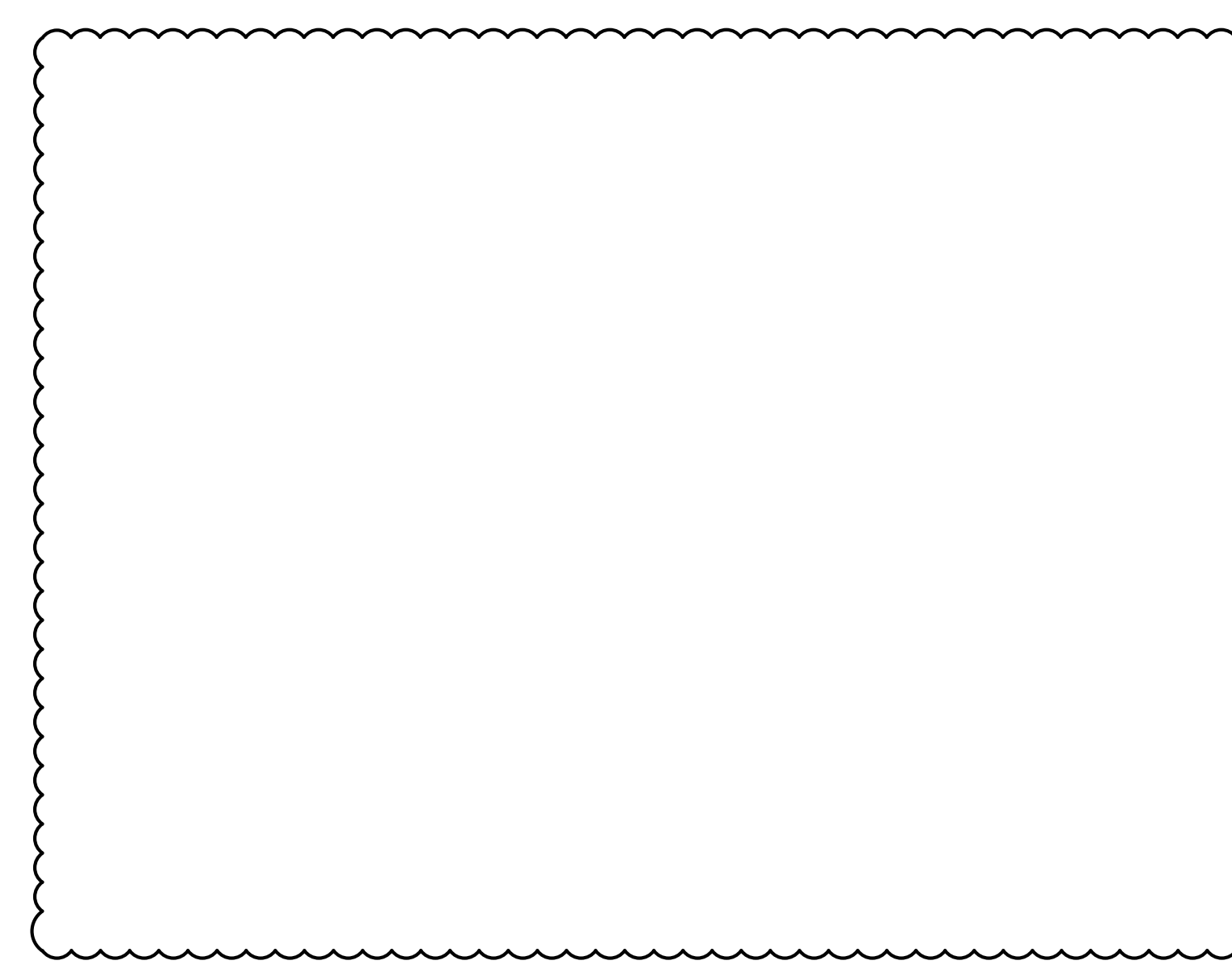
END OF ADDENDUM NUMBER ONE (1)



ELR WIRING DIAGRAM - APPLIES TO BE, LE & FE FIXTURES
NO SCALE

KEYNOTES

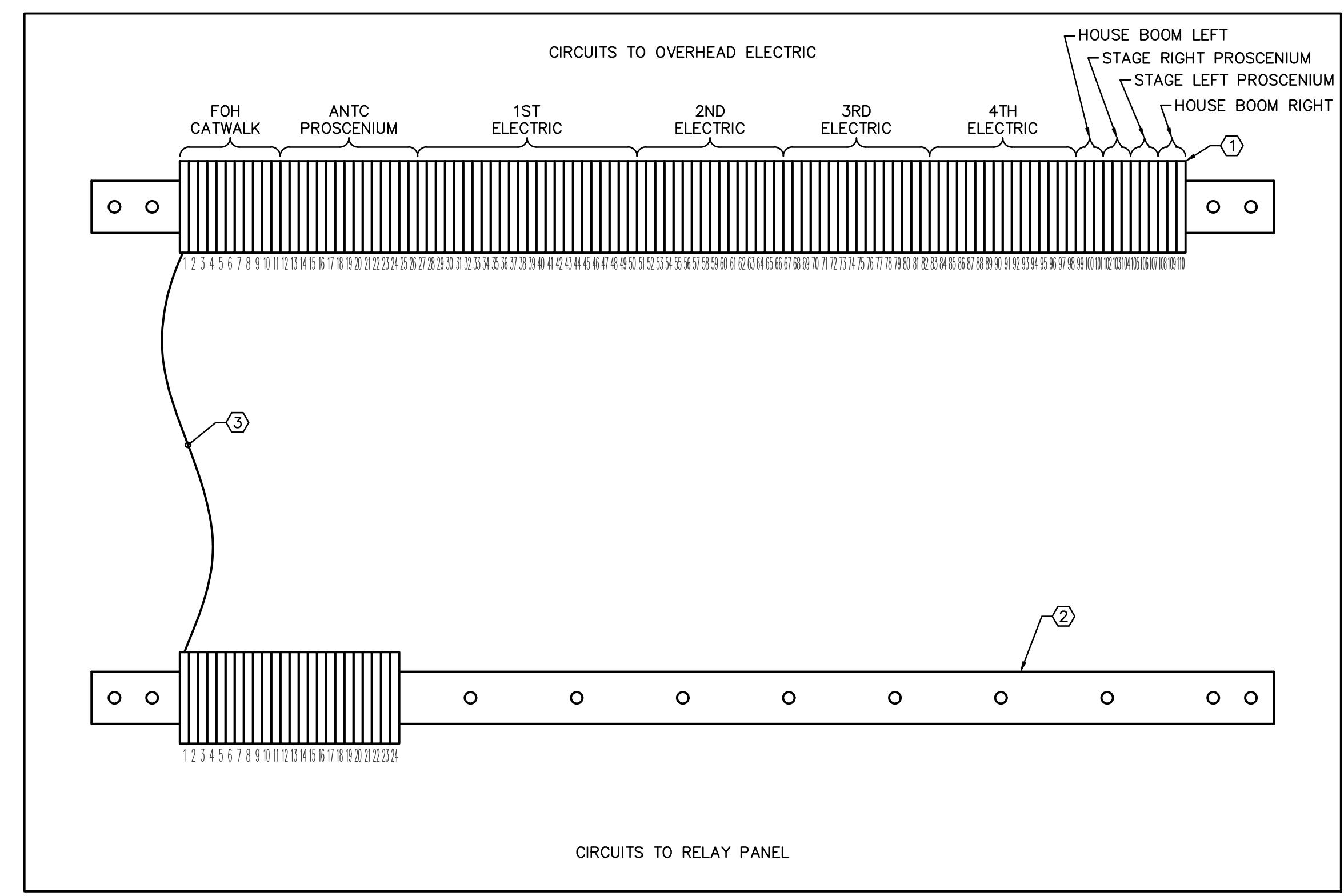
- ① MOUNT IN ACCESSIBLE LOCATION FOR TESTING, EMERGENCY LIGHTING RELAY.
- ② EMERGENCY FIXTURES BEHAVE LIKE NON-EMERGENCY UNTIL POWER OUTAGE.



BACKSTAGE CONTROLS - ELEVATION VIEW
NO SCALE

ELEVATION NOTES

- 1 PROVIDE NEW RELAY PANEL SPECIFIED IN THEATRICAL DESIGN. MOUNT TO WALL PER SPECIFICATIONS
- 2 PROVIDE NEW FEEDER TO RELAY PANEL PER ONELINE
- 3 PROVIDE JUNCTION BOX FOR USE IN LIGHTING CIRCUIT INTERCONNECT. PROVIDE MILD STEEL, HINGED COVER, 24X36\", OR APPROVED EQUAL
- 4 PROVIDE 3[2\"/>



LIGHTING CIRCUIT TERMINAL BOX - WIRING DIAGRAM
NO SCALE

GENERAL

- 1 CONTROL WIRING TO PUSHBUTTON STATIONS, ETC. NOT SHOWN. ALL CONTROL CIRCUITS ARE EXPECTED TO PASS THRU THIS BOX UNBROKEN

WIRING DIAGRAM NOTES

- 1 PROVIDE LABELED TERMINATIONS FOR EXISTING LIGHTING CIRCUITS TO OVERHEAD ELECTRICS. PROVIDE DIN RAIL AND TERMINAL BLOCK TO CONNECT EXISTING LIGHTING CIRCUIT. PROVIDE TWO-LEVEL TERMINALS WITH GROUND, PHOENIX CONTACT DOK 1,5-2D - 2717139 OR APPROVED EQUAL. PROVIDE DINRAIL WITH 2\"/>
- 2 PROVIDE LABELED TERMINATIONS FOR NEW RELAY PANEL CIRCUITS. PROVIDE DIN RAIL AND TERMINAL BLOCK TO CONNECT EXISTING LIGHTING CIRCUIT. PROVIDE TWO-LEVEL TERMINALS WITH GROUND, PHOENIX CONTACT DOK 1,5-2D - 2717139 OR APPROVED EQUAL. PROVIDE DINRAIL WITH 2\"/>
- 3 PROVIDE INTERCONNECT FROM RELAY PANEL TO OVER HEAD ELECTRIC CIRCUITS PER TABLE (THIS SHEET)

CIRCUIT #	RELAY #
1	1
2	2
3	3
4	4
7	3
8	4
9	3
10	4
11	5
13	6
15	7
17	8
19	5
21	6
23	7
25	8
27	11
31	12
35	11
39	12
43	11
47	12
51	13
53	14
55	15
57	13
59	14
61	15
63	13
65	14
66	15
67	16
68	17
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93	21
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96	20
97	21
98	22
99	10
100	10
101	10
102	24
103	24
104	24
105	23
106	23
107	23
108	9
109	9
110	9

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TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

ADDENDUM NO. 2
07.22.2021

DESIGNED BY: JMS
DRAWN BY: MES
CHECKED BY: JCP
PROJECT NO.: 20162
DATE: 6/23/2021

DETAILS

E-501

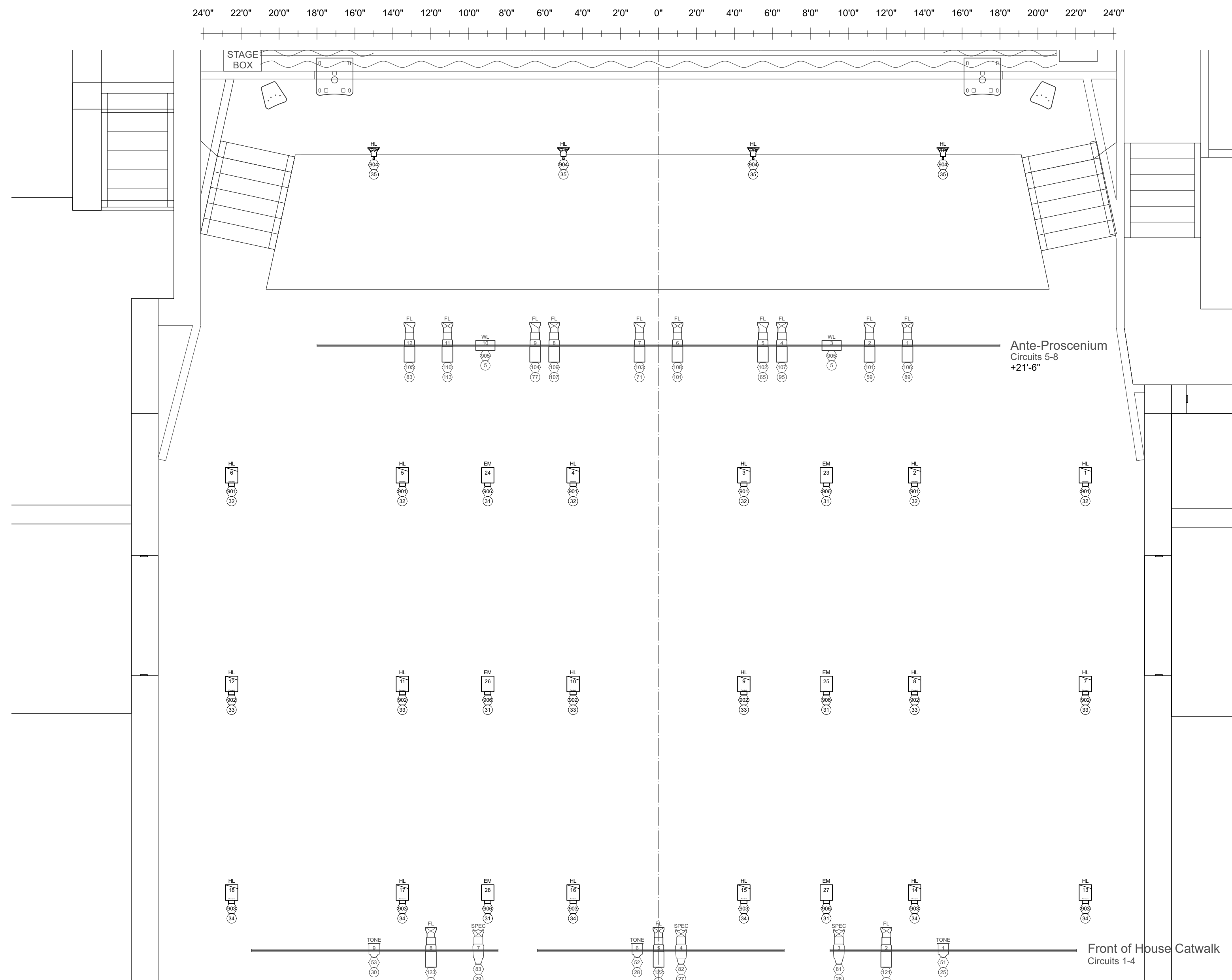
DISCLAIMER: The drawings and designs set forth have been drafted under the supervision of qualified structural and electrical engineers. All calculations are the responsibility of Schendt Engineering Corp. The designer will gladly offer suggestions and consultation on all aspects, and will be willing to make adjustments on the basis of safety whenever those more qualified or liable make such requests.

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FOR DETAILS OF THE BASE BID AND WHICH ITEMS ARE ALTERNATES, SEE PROJECT MANUAL SECTION 26 55 61




- ADD ALTERNATES:
1. ADD'L INTERIOR LIGHTING (SEE E-101 & E-102)
 2. STAGE FLOOR RENOVATION (TS-106)
 3. THEATRICAL LIGHTING SPARE EQUIPMENT
 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT
 5. WIRELESS MICROPHONE SYSTEM
 6. MONITORING & PAGE SYSTEM
 7. SCRIM CURTAIN
 8. STOCK FABRIC

- NOTES:
- 1) All House Lights are on ETC Foundry Dimmers or Relays.
 - 2) For specifications on retrofit units, see project manual.
 - 3) Δ2: CORRECTED FIXTURE WATTAGE BELOW

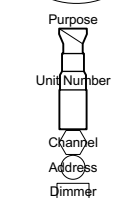


Symbol Key

Light

-  PENDANT LED RETROFIT @ 49w 12.5 lb 18
-  RECESSED LED RETROFIT @ 17.5w 3.08 lb 4
-  LTC-3RDW @ 25w 10lbs 6

Typical



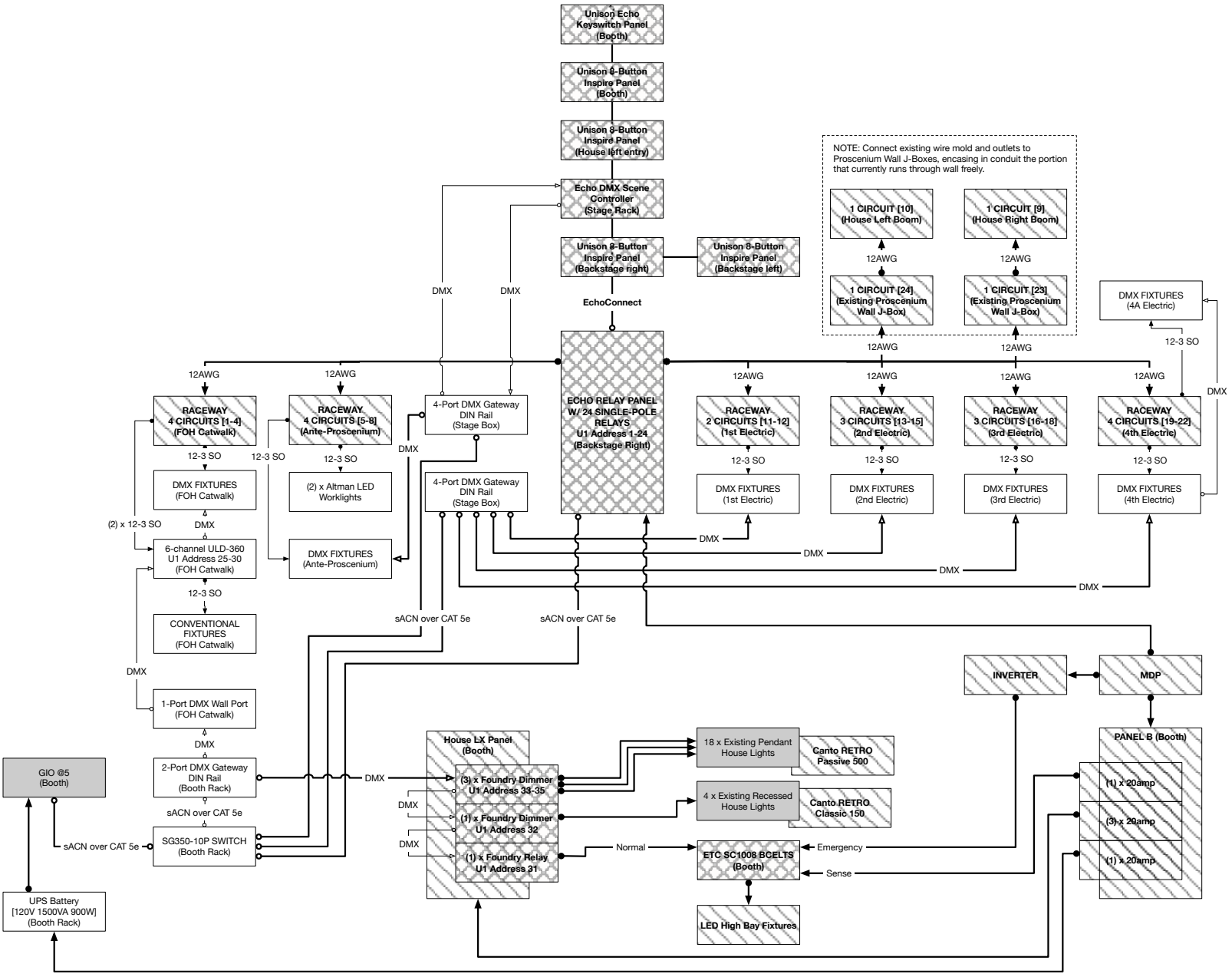
Proj: MASSARI RENOVATION
 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN

g.austinallen@me.com 720.570.6049

SCALE: 1/4" = 1'-0"
 REVISION 16
 DATE: 22 JULY 2021
 DRAWN: GAA

SHEET:
TS-107

MASSARI THEATRICAL & HOUSE LIGHTING SYSTEMS



NOTE: Connect existing wire mold and outlets to Proscenium Wall J-Boxes, enclosing in conduit the portion that currently runs through wall freely.

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ALL THEATRICAL LIGHTING, A/V, RIGGING & DRAPERY SYSTEMS ARE BASE BID.

ADD ALTERNATES:
 1. ADDTL INTERIOR LIGHTING (SEE E-101 & E-102)
 2. STAGE FLOOR RENOVATION (TS-106)
 3. THEATRICAL LIGHTING SPARE EQUIPMENT*
 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT*
 *SEE SPEC SECTION 26 55 61

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KEY

- Wireless -----
- Data/Signal Cable ○
- Power Cable →
- Exposed Cable (incl. inside Rack) —
- Permanent Install (not necessarily in conduit) —

TSJC Provided (Perkins)
Lighting Integrator
A/V Integrator
General Contractor
GC Installed, LI Furnished

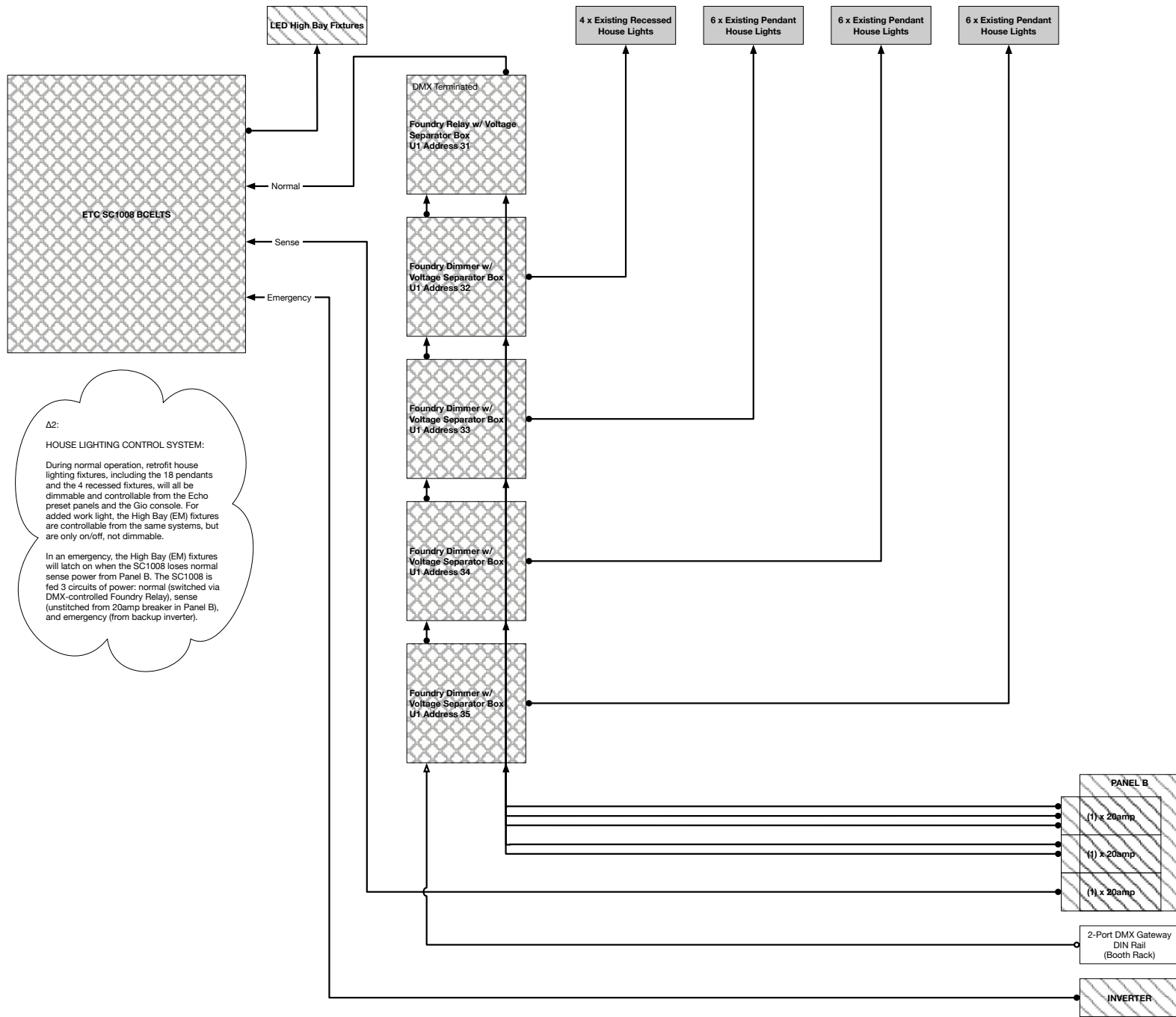
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 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN

REVISION 16
22 JULY 2021
DRAWN: GAA

MASSARI THEATRE SYSTEMS DESIGN - DRAWING PACKAGE - TS-108

MASSARI HOUSE LIGHTING PANEL



Δ2:
HOUSE LIGHTING CONTROL SYSTEM:

During normal operation, retrofit house lighting fixtures, including the 18 pendants and the 4 recessed fixtures, will all be dimmable and controllable from the Echo preset panels and the Gio console. For added work light, the High Bay (EM) fixtures are controllable from the same systems, but are only on/off, not dimmable.

In an emergency, the High Bay (EM) fixtures will latch on when the SC1008 loses normal sense power from Panel B. The SC1008 is fed 3 circuits of power: normal (switched via DMX-controlled Foundry Relay), sense (unswitched from 20amp breaker in Panel B), and emergency (from backup inverter).

DISCLAIMER: The drawings and designs set forth have been drafted under the supervision of qualified structural and electrical engineers. All calculations are the responsibility of Schendt Engineering Corp. The designer will gladly offer suggestions and consultation on all aspects, and will be willing to make adjustments on the basis of safety whenever those more qualified or liable make such requests.

ALL THEATRICAL LIGHTING, A/V, RIGGING & DRAPERY SYSTEMS ARE BASE BID.

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 3. THEATRICAL LIGHTING SPARE EQUIPMENT*
 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT**
- *SEE SPEC SECTION 26 55 61

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KEY

- Wireless -----
- Data/Signal Cable ○
- Power Cable ●
- Exposed Cable (incl. inside Rack) —
- Permanent Install (not necessarily in conduit) —

TSJC Provided (Perkins)
Lighting Integrator
A/V Integrator
General Contractor
GC Installed, LI Furnished

NOTE: Foundry controllers mounted in ETC E4VBB, connected with two pieces 3/4" conduit each, one for 120VAC power from Panel B, one for low voltage (DMX) control wire from DMX Gateway in booth rack.

Austin Allen g.austinallen@me.com
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Proj: MASSARI RENOVATION
Org: TRINIDAD STATE JUNIOR COLLEGE
Des: G. AUSTIN ALLEN

REVISION 16
22 JULY 2021
DRAWN: GAA

The following information is for reference only, for the theatrical lighting integrator/vendor.

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(1)	BL	ETC ColorSource PAR Round	90w	2nd Electric	2	149	13	<input type="checkbox"/> LED
(2)	BL	ETC ColorSource PAR Round	90w	2nd Electric	4	155	13	<input type="checkbox"/> LED
(3)	BL	ETC ColorSource PAR Round	90w	2nd Electric	5	161	13	<input type="checkbox"/> LED
(4)	BL	ETC ColorSource PAR Round	90w	2nd Electric	6	167	14	<input type="checkbox"/> LED
(5)	BL	ETC ColorSource PAR Round	90w	2nd Electric	8	173	14	<input type="checkbox"/> LED
(6)	BL	ETC ColorSource PAR Round	90w	3rd Electric	2	203	16	<input type="checkbox"/> LED
(7)	BL	ETC ColorSource PAR Round	90w	3rd Electric	4	209	16	<input type="checkbox"/> LED
(8)	BL	ETC ColorSource PAR Round	90w	3rd Electric	6	215	16	<input type="checkbox"/> LED
(9)	BL	ETC ColorSource PAR Round	90w	3rd Electric	8	221	18	<input type="checkbox"/> LED
(10)	BL	ETC ColorSource PAR Round	90w	3rd Electric	10	227	18	<input type="checkbox"/> LED
(11)	BL	ETC ColorSource PAR Round	90w	4th Electric	2	295	19	<input type="checkbox"/> LED
(12)	BL	ETC ColorSource PAR Round	90w	4th Electric	4	301	19	<input type="checkbox"/> LED
(13)	BL	ETC ColorSource PAR Round	90w	4th Electric	5	307	19	<input type="checkbox"/> LED
(14)	BL	ETC ColorSource PAR Round	90w	4th Electric	6	313	20	<input type="checkbox"/> LED
(15)	BL	ETC ColorSource PAR Round	90w	4th Electric	8	319	20	<input type="checkbox"/> LED
(51)	TONE	Altman 6in Fres	500w	FOH Catwalk	1	25	12	<input checked="" type="checkbox"/> R80+HS

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(52)	TONE	Altman 6in Fres	500w	FOH Catwalk	6	28	12	<input checked="" type="checkbox"/> R80+HS
(53)	TONE	Altman 6in Fres	500w	FOH Catwalk	9	30	12	<input checked="" type="checkbox"/> R80+HS
(81)	SPEC	ETC Source4 19deg	575w	FOH Catwalk	3	26	12	<input type="checkbox"/> R132, T:R77795
(82)	SPEC	ETC Source4 19deg	575w	FOH Catwalk	4	27	12	<input type="checkbox"/> R132, T:R77795
(83)	SPEC	ETC Source4 19deg	575w	FOH Catwalk	7	29	12	<input type="checkbox"/> R132, T:R77795
(91)	ML	Elation Fuze Wash Z120	157w	3rd Electric	5	257	17	<input type="checkbox"/> LED
(92)	ML	Elation Fuze Wash Z120	157w	3rd Electric	7	276	17	<input type="checkbox"/> LED
(101)	FL	ETC ColorSource Spot 26deg	160w	Ante-Proscenium	2	59	6	<input type="checkbox"/> R132
(102)	FL	ETC ColorSource Spot 26deg	160w	Ante-Proscenium	5	65	6	<input type="checkbox"/> R132
(103)	FL	ETC ColorSource Spot 26deg	160w	Ante-Proscenium	7	71	7	<input type="checkbox"/> R132
(104)	FL	ETC ColorSource Spot 26deg	160w	Ante-Proscenium	9	77	7	<input type="checkbox"/> R132
(105)	FL	ETC ColorSource Spot 26deg	160w	Ante-Proscenium	12	83	7	<input type="checkbox"/> R132
(106)	FL	ETC ColorSource Spot 19deg	160w	Ante-Proscenium	1	89	6	<input type="checkbox"/> R132
(107)	FL	ETC ColorSource Spot 19deg	160w	Ante-Proscenium	4	95	6	<input type="checkbox"/> R132
(108)	FL	ETC ColorSource Spot 19deg	160w	Ante-Proscenium	6	101	6	<input type="checkbox"/> R132
(109)	FL	ETC ColorSource Spot 19deg	160w	Ante-Proscenium	8	107	7	<input type="checkbox"/> R132

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(110)	FL	ETC ColorSource Spot 19deg	160w	Ante-Proscenium	11	113	7	<input type="checkbox"/> R132
(111)	FL	ETC ColorSource Spot 36deg	160w	1st Electric	1	119	11	<input type="checkbox"/> R132
(112)	FL	ETC ColorSource Spot 36deg	160w	1st Electric	2	125	11	<input type="checkbox"/> R132
(113)	FL	ETC ColorSource Spot 36deg	160w	1st Electric	3	131	11	<input type="checkbox"/> R132
(114)	FL	ETC ColorSource Spot 36deg	160w	1st Electric	4	137	11	<input type="checkbox"/> R132
(115)	FL	ETC ColorSource Spot 36deg	160w	1st Electric	5	143	11	<input type="checkbox"/> R132
(121)	FL	ETC ColorSource Spot 19deg	160w	FOH Catwalk	2	41	2	<input type="checkbox"/> R132
(122)	FL	ETC ColorSource Spot 19deg	160w	FOH Catwalk	5	47	2	<input type="checkbox"/> R132
(123)	FL	ETC ColorSource Spot 19deg	160w	FOH Catwalk	8	53	2	<input type="checkbox"/> R132
(201)	SL HS	ETC ColorSource Spot Jr	166w	2nd Electric	1	179	13	<input type="checkbox"/> LED, T:R77760
(202)	SL HS	ETC ColorSource Spot Jr	166w	2nd Electric	3	185	13	<input type="checkbox"/> LED, T:R77760
(203)	SL HS	ETC ColorSource Spot Jr	166w	3rd Electric	1	233	16	<input type="checkbox"/> LED, T:R77760
(204)	SL HS	ETC ColorSource Spot Jr	166w	3rd Electric	3	239	16	<input type="checkbox"/> LED, T:R77760
(205)	SL HS	ETC ColorSource Spot Jr	166w	4th Electric	1	325	19	<input type="checkbox"/> LED, T:R77760
(206)	SL HS	ETC ColorSource Spot Jr	166w	4th Electric	3	331	19	<input type="checkbox"/> LED, T:R77760
(211)	SR HS	ETC ColorSource Spot Jr	166w	2nd Electric	7	191	14	<input type="checkbox"/> LED, T:R77721

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(212)	SR HS	ETC ColorSource Spot Jr	166w	2nd Electric	9	197	14	<input type="checkbox"/> LED, T:R77721
(213)	SR HS	ETC ColorSource Spot Jr	166w	3rd Electric	9	245	18	<input type="checkbox"/> LED, T:R77721
(214)	SR HS	ETC ColorSource Spot Jr	166w	3rd Electric	11	251	18	<input type="checkbox"/> LED, T:R77721
(215)	SR HS	ETC ColorSource Spot Jr	166w	4th Electric	7	337	20	<input type="checkbox"/> LED, T:R77721
(216)	SR HS	ETC ColorSource Spot Jr	166w	4th Electric	9	343	20	<input type="checkbox"/> LED, T:R77721
(301)	CYC	ETC ColorSource CYC	133w	4A Electric	1	349	22	<input type="checkbox"/> LED
(302)	CYC	ETC ColorSource CYC	133w	4A Electric	2	356	22	<input type="checkbox"/> LED
(303)	CYC	ETC ColorSource CYC	133w	4A Electric	3	363	22	<input type="checkbox"/> LED
(304)	CYC	ETC ColorSource CYC	133w	4A Electric	4	370	22	<input type="checkbox"/> LED
(305)	CYC	ETC ColorSource CYC	133w	4A Electric	5	377	22	<input type="checkbox"/> LED
(306)	CYC	ETC ColorSource CYC	133w	4A Electric	6	384	22	<input type="checkbox"/> LED
(307)	CYC	ETC ColorSource CYC	133w	4A Electric	7	391	22	<input type="checkbox"/> LED
(308)	CYC	ETC ColorSource CYC	133w	4A Electric	8	398	22	<input type="checkbox"/> LED

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(901)	HL	PENDANT LED RETROFIT	100w	House	1	32	32	<input type="checkbox"/> 3000K
	"	"	"	"	2	"	"	"
	"	"	"	"	3	"	"	"
	"	"	"	"	4	"	"	"
	"	"	"	"	5	"	"	"
	"	"	"	"	6	"	"	"
(902)	HL	PENDANT LED RETROFIT	100w	House	7	33	33	<input type="checkbox"/> 3000K
	"	"	"	"	8	"	"	"
	"	"	"	"	9	"	"	"
	"	"	"	"	10	"	"	"
	"	"	"	"	11	"	"	"
	"	"	"	"	12	"	"	"
(903)	HL	PENDANT LED RETROFIT	100w	House	13	34	34	<input type="checkbox"/> 3000K
	"	"	"	"	14	"	"	"
	"	"	"	"	15	"	"	"
	"	"	"	"	16	"	"	"
	"	"	"	"	17	"	"	"
	"	"	"	"	18	"	"	"

Channel Hookup

Channel	Purpose	Instrument Type	Load	Position	U#	Addr	Dim	Color & Gobo
(904)	HL	RECESSED LED RETROFIT	25w	House	19	35	35	<input type="checkbox"/> 3000K
	"	"	"	"	20	"	"	"
	"	"	"	"	21	"	"	"
	"	"	"	"	22	"	"	"
<hr style="border-top: 1px dashed black;"/>								
(905)	WL	Altman LED Worklight	130w	Ante-Proscenium	3	5	5	<input type="checkbox"/> 3000K
	"	"	"	"	10	"	"	"
<hr style="border-top: 1px dashed black;"/>								
(906)	EM	LTC-3RDW	25w	House	23	31	31	
	"	"	"	"	24	"	"	
	"	"	"	"	25	"	"	
	"	"	"	"	26	"	"	
	"	"	"	"	27	"	"	
	"	"	"	"	28	"	"	

PRELIMINARY

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo
5	(905)	5	Ante-Proscenium	3	WL	Altman LED Worklight	130w	<input type="checkbox"/> 3000K
	"	"	"	10	"	"	"	"
25	(51)	12	FOH Catwalk	1	TONE	Altman 6in Fres	500w	<input checked="" type="checkbox"/> R80+HS
26	(81)	12	FOH Catwalk	3	SPEC	ETC Source4 19deg	575w	<input type="checkbox"/> R132, T:R77795
27	(82)	12	FOH Catwalk	4	SPEC	ETC Source4 19deg	575w	<input type="checkbox"/> R132, T:R77795
28	(52)	12	FOH Catwalk	6	TONE	Altman 6in Fres	500w	<input checked="" type="checkbox"/> R80+HS
29	(83)	12	FOH Catwalk	7	SPEC	ETC Source4 19deg	575w	<input type="checkbox"/> R132, T:R77795
30	(53)	12	FOH Catwalk	9	TONE	Altman 6in Fres	500w	<input checked="" type="checkbox"/> R80+HS
31	(906)	31	House	23	EM	LTC-3RDW	25w	
	"	"	"	24	"	"	"	
	"	"	"	25	"	"	"	
	"	"	"	26	"	"	"	
	"	"	"	27	"	"	"	
	"	"	"	28	"	"	"	

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo	
32	(901)	32	House	1	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	
	"	"	"	2	"	"	"	"	
	"	"	"	3	"	"	"	"	

	"	"	"	4	"	"	"	"	
	"	"	"	5	"	"	"	"	
33	(902)	33	House	7	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	
	"	"	"	8	"	"	"	"	
	"	"	"	9	"	"	"	"	

	"	"	"	10	"	"	"	"	
	"	"	"	11	"	"	"	"	
34	(903)	34	House	13	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	
	"	"	"	14	"	"	"	"	
	"	"	"	15	"	"	"	"	

	"	"	"	16	"	"	"	"	
	"	"	"	17	"	"	"	"	
"	"	"	18	"	"	"	"		

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo
35	(904)	35	House	19	HL	RECESSED LED RETROFIT	25w	<input type="checkbox"/> 3000K
	"	"	"	20	"	"	"	"
	"	"	"	21	"	"	"	"
	"	"	"	22	"	"	"	"
41	(121)	2	FOH Catwalk	2	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
47	(122)	2	FOH Catwalk	5	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
53	(123)	2	FOH Catwalk	8	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
59	(101)	6	Ante-Proscenium	2	FL	ETC ColorSource Spot 26deg	160w	<input type="checkbox"/> R132
65	(102)	6	Ante-Proscenium	5	FL	ETC ColorSource Spot 26deg	160w	<input type="checkbox"/> R132
71	(103)	7	Ante-Proscenium	7	FL	ETC ColorSource Spot 26deg	160w	<input type="checkbox"/> R132
77	(104)	7	Ante-Proscenium	9	FL	ETC ColorSource Spot 26deg	160w	<input type="checkbox"/> R132
83	(105)	7	Ante-Proscenium	12	FL	ETC ColorSource Spot 26deg	160w	<input type="checkbox"/> R132
89	(106)	6	Ante-Proscenium	1	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
95	(107)	6	Ante-Proscenium	4	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
101	(108)	6	Ante-Proscenium	6	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
107	(109)	7	Ante-Proscenium	8	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132
113	(110)	7	Ante-Proscenium	11	FL	ETC ColorSource Spot 19deg	160w	<input type="checkbox"/> R132

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo
119	(111)	11	1st Electric	1	FL	ETC ColorSource Spot 36deg	160w	<input type="checkbox"/> R132
125	(112)	11	1st Electric	2	FL	ETC ColorSource Spot 36deg	160w	<input type="checkbox"/> R132
131	(113)	11	1st Electric	3	FL	ETC ColorSource Spot 36deg	160w	<input type="checkbox"/> R132
137	(114)	11	1st Electric	4	FL	ETC ColorSource Spot 36deg	160w	<input type="checkbox"/> R132
143	(115)	11	1st Electric	5	FL	ETC ColorSource Spot 36deg	160w	<input type="checkbox"/> R132
149	(1)	13	2nd Electric	2	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
155	(2)	13	2nd Electric	4	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
161	(3)	13	2nd Electric	5	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
167	(4)	14	2nd Electric	6	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
173	(5)	14	2nd Electric	8	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
179	(201)	13	2nd Electric	1	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760
185	(202)	13	2nd Electric	3	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760
191	(211)	14	2nd Electric	7	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
197	(212)	14	2nd Electric	9	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
203	(6)	16	3rd Electric	2	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
209	(7)	16	3rd Electric	4	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo
215	(8)	16	3rd Electric	6	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
221	(9)	18	3rd Electric	8	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
227	(10)	18	3rd Electric	10	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
233	(203)	16	3rd Electric	1	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760
239	(204)	16	3rd Electric	3	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760
245	(213)	18	3rd Electric	9	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
251	(214)	18	3rd Electric	11	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
257	(91)	17	3rd Electric	5	ML	Elation Fuze Wash Z120	157w	<input type="checkbox"/> LED
276	(92)	17	3rd Electric	7	ML	Elation Fuze Wash Z120	157w	<input type="checkbox"/> LED
295	(11)	19	4th Electric	2	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
301	(12)	19	4th Electric	4	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
307	(13)	19	4th Electric	5	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
313	(14)	20	4th Electric	6	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
319	(15)	20	4th Electric	8	BL	ETC ColorSource PAR Round	90w	<input type="checkbox"/> LED
325	(205)	19	4th Electric	1	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760
331	(206)	19	4th Electric	3	SL HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77760

DMX Address Hookup

Addr	Chan	Dim	Position	Unit#	Purpose	Instrument Type	Load	Color & Gobo
337	(215)	20	4th Electric	7	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
343	(216)	20	4th Electric	9	SR HS	ETC ColorSource Spot Jr	166w	<input type="checkbox"/> LED, T:R77721
349	(301)	22	4A Electric	1	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
356	(302)	22	4A Electric	2	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
363	(303)	22	4A Electric	3	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
370	(304)	22	4A Electric	4	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
377	(305)	22	4A Electric	5	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
384	(306)	22	4A Electric	6	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
391	(307)	22	4A Electric	7	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED
398	(308)	22	4A Electric	8	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED

Instrument Schedule

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PRELIMINARY

Instrument Schedule

FOH Catwalk

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	TONE	Altman 6in Fres	500w	<input checked="" type="radio"/> R80+HS	(51)	25	12
2	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(121)	41	2
3	SPEC	ETC Source4 19deg	575w	<input type="radio"/> R132, T:R77795	(81)	26	12
4	SPEC	ETC Source4 19deg	575w	<input type="radio"/> R132, T:R77795	(82)	27	12
5	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(122)	47	2
6	TONE	Altman 6in Fres	500w	<input checked="" type="radio"/> R80+HS	(52)	28	12
7	SPEC	ETC Source4 19deg	575w	<input type="radio"/> R132, T:R77795	(83)	29	12
8	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(123)	53	2
9	TONE	Altman 6in Fres	500w	<input checked="" type="radio"/> R80+HS	(53)	30	12

PRELIMINARY

Ante-Proscenium

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(106)	89	6
2	FL	ETC ColorSource Spot 26deg	160w	<input type="radio"/> R132	(101)	59	6
3	WL	Altman LED Worklight	130w	<input type="radio"/> 3000K	(905)	5	5
4	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(107)	95	6
5	FL	ETC ColorSource Spot 26deg	160w	<input type="radio"/> R132	(102)	65	6
6	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(108)	101	6
7	FL	ETC ColorSource Spot 26deg	160w	<input type="radio"/> R132	(103)	71	7
8	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(109)	107	7
9	FL	ETC ColorSource Spot 26deg	160w	<input type="radio"/> R132	(104)	77	7
10	WL	Altman LED Worklight	130w	<input type="radio"/> 3000K	(905)	5	5
11	FL	ETC ColorSource Spot 19deg	160w	<input type="radio"/> R132	(110)	113	7
12	FL	ETC ColorSource Spot 26deg	160w	<input type="radio"/> R132	(105)	83	7

PRELIMINARY

Instrument Schedule

1st Electric

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	FL	ETC ColorSource Spot 36deg	160w	<input type="radio"/> R132	(111)	119	11
2	FL	ETC ColorSource Spot 36deg	160w	<input type="radio"/> R132	(112)	125	11
3	FL	ETC ColorSource Spot 36deg	160w	<input type="radio"/> R132	(113)	131	11
4	FL	ETC ColorSource Spot 36deg	160w	<input type="radio"/> R132	(114)	137	11
5	FL	ETC ColorSource Spot 36deg	160w	<input type="radio"/> R132	(115)	143	11

2nd Electric

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	SL HS	ETC ColorSource Spot Jr	166w	<input type="radio"/> LED, T:R77760	(201)	179	13
2	BL	ETC ColorSource PAR Round	90w	<input type="radio"/> LED	(1)	149	13
3	SL HS	ETC ColorSource Spot Jr	166w	<input type="radio"/> LED, T:R77760	(202)	185	13
4	BL	ETC ColorSource PAR Round	90w	<input type="radio"/> LED	(2)	155	13
5	BL	ETC ColorSource PAR Round	90w	<input type="radio"/> LED	(3)	161	13
6	BL	ETC ColorSource PAR Round	90w	<input type="radio"/> LED	(4)	167	14
7	SR HS	ETC ColorSource Spot Jr	166w	<input type="radio"/> LED, T:R77721	(211)	191	14
8	BL	ETC ColorSource PAR Round	90w	<input type="radio"/> LED	(5)	173	14
9	SR HS	ETC ColorSource Spot Jr	166w	<input type="radio"/> LED, T:R77721	(212)	197	14

Instrument Schedule

3rd Electric

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	SL HS	ETC ColorSource Spot Jr	166w	LED, T:R77760	(203)	233	16
2	BL	ETC ColorSource PAR Round	90w	LED	(6)	203	16
3	SL HS	ETC ColorSource Spot Jr	166w	LED, T:R77760	(204)	239	16
4	BL	ETC ColorSource PAR Round	90w	LED	(7)	209	16
5	ML	Elation Fuze Wash Z120	157w	LED	(91)	257	17
6	BL	ETC ColorSource PAR Round	90w	LED	(8)	215	16
7	ML	Elation Fuze Wash Z120	157w	LED	(92)	276	17
8	BL	ETC ColorSource PAR Round	90w	LED	(9)	221	18
9	SR HS	ETC ColorSource Spot Jr	166w	LED, T:R77721	(213)	245	18
10	BL	ETC ColorSource PAR Round	90w	LED	(10)	227	18
11	SR HS	ETC ColorSource Spot Jr	166w	LED, T:R77721	(214)	251	18

PRELIMINARY

Instrument Schedule

4th Electric

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	SL HS	ETC ColorSource Spot Jr	166w	LED, T:R77760	(205)	325	19
2	BL	ETC ColorSource PAR Round	90w	LED	(11)	295	19
3	SL HS	ETC ColorSource Spot Jr	166w	LED, T:R77760	(206)	331	19
4	BL	ETC ColorSource PAR Round	90w	LED	(12)	301	19
5	BL	ETC ColorSource PAR Round	90w	LED	(13)	307	19
6	BL	ETC ColorSource PAR Round	90w	LED	(14)	313	20
7	SR HS	ETC ColorSource Spot Jr	166w	LED, T:R77721	(215)	337	20
8	BL	ETC ColorSource PAR Round	90w	LED	(15)	319	20
9	SR HS	ETC ColorSource Spot Jr	166w	LED, T:R77721	(216)	343	20

PRELIMINARY

4A Electric

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(301)	349	22
2	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(302)	356	22
3	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(303)	363	22
4	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(304)	370	22
5	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(305)	377	22
6	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(306)	384	22
7	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(307)	391	22
8	CYC	ETC ColorSource CYC	133w	<input type="checkbox"/> LED	(308)	398	22

PRELIMINARY

Instrument Schedule

House

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
1	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
2	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
3	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
4	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
5	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
6	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(901)	32	32
7	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
8	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
9	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
10	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
11	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
12	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(902)	33	33
13	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(903)	34	34
14	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(903)	34	34
15	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(903)	34	34
16	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(903)	34	34
17	HL	PENDANT LED RETROFIT	100w	<input type="radio"/> 3000K	(903)	34	34

Instrument Schedule

House

U#	Purpose	Instrument Type	Load	Color & Gobo	Chan	Addr	Dim
18	HL	PENDANT LED RETROFIT	100w	3000K	(903)	34	34
19	HL	RECESSED LED RETROFIT	25w	3000K	(904)	35	35
20	HL	RECESSED LED RETROFIT	25w	3000K	(904)	35	35
21	HL	RECESSED LED RETROFIT	25w	3000K	(904)	35	35
22	HL	RECESSED LED RETROFIT	25w	3000K	(904)	35	35
23	EM	LTC-3RDW	25w		(906)	31	31
24	EM	LTC-3RDW	25w		(906)	31	31
25	EM	LTC-3RDW	25w		(906)	31	31
26	EM	LTC-3RDW	25w		(906)	31	31
27	EM	LTC-3RDW	25w		(906)	31	31
28	EM	LTC-3RDW	25w		(906)	31	31

PRELIMINARY