CITY OF TAMPA

Bob Buckhorn, Mayor **CONTRACT ADMINISTRATION DEPARTMENT**

ADDENDUM NO. 2

DATE: May 8, 2015

Contract 14-C-00046; Tampa Theatre Electrical Improvements

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Replace Section 116161 - Performance Lighting Power and Controls with the attached revised Section 116161 – Performance Lighting Power and Controls.

Item 2: Replace Proposal pages P-3 and P-4 with the attached Proposal pages P-3R and P-4R.

Item 3: Replace the 90% Plans dated 4/21/15 with the attached, revised 100% Plans dated 4/30/15.

Item 4: Attached for reference is the pre-bid meeting sign-in sheet.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to Contract Administration@tampagov.net.

Jim Greiner

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SECTION 116161 - PERFORMANCE LIGHTING POWER AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

A. The system includes complete dimming, power, and control systems serving a Theatre.

B. Due to space restrictions, dimming equipment should be priced using Electronic Theatre Controls equipment.

C. Work in this section includes the engineering, manufacture, furnishing, coordination and installation of performance dimmers, power, and control systems for the following purposes:

1. Work Lighting
2. House Lighting
3. Performance Lighting

D. Section Includes

1. Materials, components, modifications, assemblies, equipment and services as specified herein. These include, but are not limited to:

    a. Verification of site dimensions and conditions.
    b. Submittals as required by the Contract Documents.
    c. Engineering of equipment and systems as required by the Contract Documents.
    d. Manufacture of equipment and systems as required by the Contract Documents.
    e. Scheduling, sequencing and coordination with other trades.
    f. Site supervision of equipment and systems installation specified herein and elsewhere in the Contract Documents.
    g. Testing and demonstration of equipment and systems as specified herein and elsewhere in the Contract Documents.

E. Section Consists Of The following Subsystems

1. Dimmer Racks With Phase Control Dimmers
2. DMX Driven Relays
3. DMX Driven Motorized Breaker Panels
4. Company Switches
5. Emergency Lighting Transfer Switches
6. Emergency DMX Transfer Switches
7. Architectural Lighting Controls
8. Logic Controlled Systems
9. Initial Programming
10. Lighting Control Consoles & Peripherals
11. Data Communications Systems
12. Electronics Racks

    a. Rack Panels

13. Performance Lighting Circuit and Control Faceplates & Associated Cable Assemblies.
14. Accessories.
15.
16. Data communications cable servicing control circuits connecting Performance Lighting Control faceplates specified herein to each other, to the dimmers specified herein and to the work lighting control system house lighting and architectural lighting fixtures.

F. Products Furnished for installation by others.
Unless otherwise noted installation will be by the Division 26 Contractor.

1. Back boxes for faceplates. Gang backboxes, as outlined in the contract documents, are excepted from this and are provided under Division 26.
2. Devices with 100v and above terminations including lighting receptacles, connector strips, faceplates and backboxes.
3. Dimmer Racks
4. Controlled relay panels.
5. Controlled motorized breaker panels.
6. Company Switches.
7. Emergency Lighting Transfer Switches
8. Emergency DMX Transfer Switches (Wall Mounted)
9. Backstage Running Lights (Blue lights)

1.2 RELATED DOCUMENTS

A. Division 1 Specification Sections apply to this Section.

1. Where Division 1 and this section conflict the more stringent shall apply.

B. Electrical Documents, Division 26.

1.3 DEFINITIONS

A. The term “furnish” means to supply and deliver to the job site, ready for unloading, unpacking, assembly, installation, and similar operations.

B. The term “install” is used to describe operations at the job site including the actual anchoring, applying, assembly, cleaning, curing, cutting, erection, finishing, patching, placing, protecting, pulling, terminating, unloading, unpacking, working to dimension, and similar operations that will render the systems complete and ready for the intended use.

C. The term “provide” means to furnish and install.

D. The term "primary components" refer to elements of the system which Control levels, such as dimmers, and control console.

E. Dimmer Rack: A frame and chassis accommodating dimmer modules, load and line connections, and circuit protection.

F. Dimmer Rack Chassis: A cluster of dimmer modules with a common power supply.

G. Plug-In Module: A modular unit which is installed in a standardized mounting location throughout the dimmer rack.

H. Dimmer Module: A type of Plug-In Module containing one or more dimmers.

I. Data Communications: Signals that provide control and feedback communications between devices in the system.

J. Products utilizing the "DMX512" control protocol shall comply with the rules and recommendations of the following standard: Entertainment Services & Technology Association (ESTA), ANSI E1.11 – 2008, Entertainment Technology - USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories.

K. Products utilizing the "ACN" control protocol shall comply with the rules and recommendations of the following standard: Entertainment Services & Technology Association (ESTA) ANSI E1.17 – 2006, Entertainment Technology - Architecture for Control Networks.

L. Products utilizing the "RDM" control protocol shall comply with the rules and recommendations of the following standard: Entertainment Services & Technology Association (ESTA) ANSI E1.20 – 2006, Entertainment Technology - RDM - Remote Device Management over USITT DMX512 Networks.

M. Products utilizing "Lightweight/Streaming ACN" control protocol shall comply with the rules and recommendations of the following standard: Entertainment Services & Technology Association (ESTA) ANSI E1.31 – 2009, Entertainment Technology – Lightweight streaming protocol for transport of DMX512 using ACN.

N. Products utilizing a "0 – 10V" control protocol shall comply with the rules and recommendations of the following standard: Entertainment Services & Technology Association (ESTA)ANSI E1.3 - 2001 (R2006), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification.

O. Products utilizing the DMX512 standard Entertainment Services & Technology Association (ESTA), ANSI E1.11 – 2008, Entertainment Technology - USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories shall comply with the rules and recommendations of the following standard: ANSI E1.27-1-2006, Entertainment Technology-Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A)Products.

P. Products utilizing the DMX512 standard Entertainment Services & Technology Association (ESTA), ANSI E1.11 – 2008, Entertainment Technology - USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories shall comply with the rules and recommendations of the following standard: ANSI E1.27-2 – 2009, Entertainment Technology - Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 ProductsPOE: Power Over Ethernet - an 802.3AF compliant scheme of powering devices on an Ethernet network via the Ethernet cabling.

Q. POE: Power Over Ethernet - an 802.3AF compliant scheme of powering devices on an Ethernet

R. Control Console: A Performance Lighting Control Console is capable of controlling stage lighting, house lighting, and work lighting channels via ACN.

1.4 SYSTEM DESCRIPTIONS

A. Design Requirements

1. Standards and Regulations

a. Components must comply with applicable regulations and ANSI Standards.
b. Provide systems and components that are approved by an accredited independent testing laboratory such as Underwriters Laboratory.
c. Equipment utilizing Stage Pin Connectors must comply with ANSI E1.24-2006.
d. DMX equipment has ports able to communicate with any DMX compliant products.
e. Ethernet systems are to be ACN compliant.
f. Systems are to be RDM compliant.
g. Controlled devices must comply with either DMX or ACN standards.

2. Emerging Standards:

a. Systems must anticipate requirements of, comply with emerging standards.
b. Systems must be compliant as much as is technologically possible at the time of the systems installation.
c. Compliance will be evidenced by:

1. The utilization of updatedable code.
2. Provision of basic enabling hardware.
3. The absence of hardware or non-updatable software that will disable or interfere with the function of the emerging standard.

B. Performance Requirements

1. Key Switches

a. Key switches do not interoperate with other equipment systems in the facility.

1.5 QUALIFICATIONS:

A. The Contractor shall have been authorized dealers or representatives of the manufacturers of the primary components for a minimum of five (5) years.

B. Where a manufacturer of a primary component offers factory training in the use of that component the Contractor is to have received that training.

C. The Contractor shall have been involved in Lighting Systems Contracting for Entertainment and Worship facilities for a period of five (5) years or more and shall have completed at least three (3) installations of this type and scope which have been in service for not less than two (2) years.

D. The Contractor shall provide, as part of their internal organization, the base system and not less than one (1) of the sub-systems specified. Additional Work in the Contract will be performed under their authority and responsibility as defined in the Contract Documents.

E. The Contractor shall maintain and operate shops for the integration and service of the system components.

F. The right is reserved to inspect previous equipment or systems as furnished or installed by this Contractor. In addition, the right is reserved to reject a Contractor who has failed in any respect to comply with the provisions of previous contracts.

G. No sub-contracting work is permissible, unless the Sub-Contractor is named and included as part of the bid. All terms and requirements herein apply to the Sub-Contractor. The right is reserved to reject the proposed Sub-Contractor based on the terms stated herein.

H. Acceptable Bidders

1. The following is a list of acceptable specialty lighting contractors who meet the criteria to bid this project:

Bandit Lites
2233 Sycamore Drive
Knoxville, TN 37921 (Headquarters)
Attn: Andrew Fisher
(704) 860-5739

Barbizon Lighting
3309 Bartlett Blvd
Orlando, FL 32811
(407) 999-2647
Attn: Drew Bongiorno

Mainstage, Inc.
8761 Ely Rd.
Pensacola, FL 32514
Attn: Dean Sternke

Productions Unlimited, Inc.
870 Anderson Ridge Rd.
Greer, SC 29651
(864) 675-6146
Attn: Brian Phillips

Stage Equipment and Lighting
4600 36th St.
Orlando, FL 32811
(407) 425-2010

Texas Scenic Company
8053 Potranco Rd.
San Antonio, TX 78251
(210) 684-0091

Attn: Steve Surratt

I. The Design Consultant shall be the final judge of suitability of experience.

1.6 SUBMITTALS

A. Product Data

1. Submittal shall include manufacturer’s information sheets of equipment not explicitly specified by make and model that the contractor intends to provide as part of the project. Equipment matching make and model called out in the specification need not be submitted.
2. Collect Product Data into a single submittal for each element of construction or system. Product Data includes printed information such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams and performance curves. Where Product Data must be specially prepared because standard printed data is not suitable for use, submit as "Shop Drawings."
3. Mark each copy to show applicable choices and options. Where printed Product Data includes information on several products, some of which are not required, mark copies to indicate the applicable information. Include the following information:

    a. Manufacturer's printed recommendations.
    b. Compliance with recognized trade association standards.
    c. Compliance with recognized testing agency standards.
    d. Application of testing agency labels and seals.
    e. Notation of dimensions verified by field measurement.
    f. Notation of coordination requirements.
    g. Material Safety Data Sheets (MSDS) for each product.
    h. Catalog or data sheets indicating all component manufacturer's names, model numbers and performance data, where applicable.

B. Shop Drawings:

1. Submittals shall be in accordance with Division 1.
2. Shop drawings shall be submitted within 90 days of award of contract unless otherwise indicated in Division 1.
3. Fabrication, Installation, and Erection shall not commence until shop drawings have been approved by the Consultant and Architect.
4. Note and maintain one of the prints returned as a "Record Document".
5. Sheets in the submittal shall be of the same size.
6. Submittal shall include a title sheet listing sheets in the submittal.
7. Drawing scales:

    a. Mechanical Assembly Drawings (1/2"= 1'-0" minimum).
    b. Faceplate Fabrication Drawings (6" = 1'-0" minimum)
    c. Room layouts (1"=1'-0" minimum).
    d. Block schematics and riser diagrams. (NTS)
    e. Miscellaneous Details and Assembly Drawings. (scale as necessary)
    f. Mechanical Detail Drawings. (1"=1'-0" minimum).
    g. Mechanical General Layout. (1/4"= 1'-0" minimum).

h. Component Equipment Drawings. (1"=1'-0" minimum).
i. Erection Plans and diagrams. (1/4"=1'-0" minimum).
j. Wiring Diagrams showing system layout (1/4"=1'-0" minimum).
k. System assemblies, major sub assemblies, components, cabinets and enclosures (1"=1'-0" minimum).
l. Templates and installation details (1"-1'-0" minimum).

8. Highlight, encircle, or otherwise indicate deviations from the Contract Documents.
9. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not considered Shop Drawings.
10. Shop Drawings include fabrication and installation drawings, setting diagrams, schedules, patterns, templates and similar drawings.
11. Lettering on Shop Drawings is considered part of the Drawings.
12. Show information necessary to explain fully the design features, appearance, function, fabrication, installation, and use of system components in all phases of operation. Include the following drawings as a minimum:

    a. Signal, control and power sequencing Block Diagrams detailing:

        1. Equipment
        2. Faceplates
        3. Interconnecting wires detailing the unique labels
        4. Terminating devices (Connectors or terminal strips)
        5. Where custom wiring is necessary detail each component (Switches, indicators, resistors, power supplies, relays, etc)
        6. Multiconductor wiring
        7. Program logic and relationship to input / output points, either in logic diagrams or ladder logic diagram, or other appropriate format.

    b. Faceplate & Rack Panel Fabrication Drawings detailing:

        1. Finishes
        2. Devices
        3. Engraving

    c. Mounting Details - where custom mounting systems are employed and as required by the specifications
    d. Patch Panel Layouts detailing:

        1. Layout
        2. Labeling
        3. Normalling

    e. Rack Elevations detailing:

        1. Equipment location
        2. Equipment labeling
        3. Security covers
        4. Vent panels
        5. Fans

6. Terminal points and their function
7. Field wiring chases.

f. Notation of coordination requirements.
g. Notation of dimensions established by field measurement.
h. Do NOT produce floorplans reiterating information already in the set, such as box layout and low voltage conduit. These have been issued and form part of scope of work by others.
i. DO review box layout and low voltage conduit drawings and note any areas of concern in a Request for Information.

C. Coordination Drawings:

1. Coordination drawings are a special type of Shop Drawing that show the relationship and integration of different construction elements that require careful coordination during fabrication or installation to fit in the space provided or function as intended.

a. Preparation of coordination Drawings is specified in section "Project Coordination" and may include components previously shown in detail on Shop Drawings or Product Data.
b. Submit coordination Drawings for integration of different construction elements. Show sequences and relationships of separate components to avoid conflicts in use of space.

2. Prepare and submit coordination Drawings where close and careful coordination is required for installation of products and materials fabricated off-site by separate entities.
3. Show the interrelationship of components shown on separate Shop Drawings.
4. Indicate required installation sequences.
5. Required Coordination Drawings include, but are not limited to:

a. Diagrams detailing cable and wire installation for cable and wire supplied to and installed by others. These diagrams should indicate boxes and the quantity and type of wire and cable pulled between them.
b. Dimmer room arrangement drawings.
c. Installation instructions for equipment installed by others.

D. Record Document Submittals (As Built Drawings)

1. General: Do not use record documents for construction purposes; protect from deterioration and loss in a secure, fire-resistive location; provide access to record documents for the Architect's reference during normal working hours.
2. On completion of Work and prior to final review, neatly transfer as-built notations to set of transparencies, stamp drawings in set "Certified As-Built Drawings" and submit record documents to the Architect.
3. Record Documents: Maintain a clean, undamaged set of Contract Documents, Shop Drawings and Product Data. Mark the set to show the actual installation where the installation varies substantially from the Work as originally shown. Mark whichever drawing is most capable of showing conditions fully and accurately; where Shop Drawings are used, record a cross-reference at the corresponding location on the Contract Drawings. Give particular attention to concealed elements that are concealed or cannot otherwise be readily discerned later by direct observation.

4. Include details on internal setting of components.
5. Mark record sets with red erasable pencil; use other colors to distinguish between variations in separate categories of the Work.
6. Mark new information that is important to the Owner, but was not shown on Contract Drawings or Shop Drawings.
7. Note related Change Order numbers where applicable.
8. Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and print suitable titles, dates and other identification on the cover of each set.
9. Testing Data - Include in record submittal documentation of performance tests as required in the contract documents.
10. Upon completion of the Work, submit Record Documents to the Architect for the Owner's records.
11. Record Sample Submitted: Immediately prior to the date or dates of Substantial Completion, the Contractor will meet at the site with the Architect and the Owner's personnel to determine which of the submitted Samples that have been maintained during progress of the Work are to be transmitted to the Owner for record purposes. Comply with delivery to the Owner's Sample storage area.
12. Miscellaneous Record Submittals: Refer to other Specification Sections for requirements of miscellaneous record-keeping and submittals in connection with actual performance of the Work. Immediately prior to the date or dates of Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for continued use and reference. Submit to the Architect for the Owner's records.

E. Maintenance Manuals

1. Organize operating and maintenance data into suitable sets of manageable size. Bind properly indexed data in individual heavy-duty 2-inch, 3-ring vinyl covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder.
2. Operating and Maintenance Instructions: Provide instruction manuals describing proper operation and maintenance. Include a detailed review of the following items:

    a. Cleaning.
    b. Control sequences.
    c. Copies of warranties.
    d. Emergency instructions.
    e. Fixture lamping schedule.
    f. Fuse list.
    g. Hazards.
    h. Identification systems.
    i. Inspection procedures.
    j. Lubricants.
    k. Maintenance and operation manuals.
    l. Recommended "turn around" cycles.
    m. Record documents.
    n. Shop Drawings and Product Data.
    o. Spare parts and materials.
    p. Spare parts list.
    q. Specifications for expendables.
    r. Tools.
    s. Warranties and bonds.

t. Wiring diagrams reflecting actual labeling in the field.
u. Maintenance agreements and similar continuing commitments.
v. As Built drawings depicting actual locations and conditions of the system design, construction and arrangement.
w. Equipment inventory with a listing for every item furnished or provided that includes the following information:

1. Item
2. Make
3. Model
4. Serial Number
5. Firmware Version (where applicable)
6. Quantity (>1 if there is no SN, IP, or MAC address)
7. MAC Address (If IP Addressable)
8. IP Address or "DHCP" (If IP Addressable)

3. As part of instruction for operating equipment, describe the following procedures:

a. Start-up.
b. Operation.
c. Shutdown.
d. Emergency operations.
e. Noise and vibration adjustments.
f. Safety procedures.
g. Economy and efficiency adjustments.
h. Effective energy use.
i. Complete Subcontractor List including names and telephone numbers of persons to contact.

4. Provide four (4) copies of console manuals.
5. Provide three (3) sets of complete as built drawings.
6. Provide three (3) sets of maintenance manuals for the system.
7. Provide three (3) hard copies of initial system configuration.
8. Provide three (3) soft copies of initial system configuration.
9. Provide three (3) binders documenting the functions of presets, submasters, groups, crossfaders, and DMX universes controlling performance and architectural lighting.

F. The Architect's review of Submittals is only for general conformance with performance systems design concept of the project and general compliance with the Contract Documents.

1. It is not a complete check on the method of assembly, engineering, erection or construction.
2. Review shall in no way be construed as: permitting any departure whatsoever from the Contract Documents, except where the Contractor, in accordance with the provisions herein, has previously notified the Owner of, and the Owner has accepted, such departure; relieving the Contractor of full responsibility for any error in quality of materials, details, dimensions, omissions or otherwise that may exist; relieving the Contractor of full responsibility for adequate field connection, erection techniques, bracing or deficiencies in strength; relieving the Contractor of full responsibility for satisfactory performance of all work and contractors; or permitting departure from additional details or instructions previously furnished by the Architect.

3. Review does not relieve the Contractor from the responsibility of errors in the Shop Drawings.
4. This Contractor is responsible for: dimensions and measurements which shall be confirmed and correlated at the job site, correct quantities, materials, fabrication processes and techniques of construction and for the coordination of his work with other trades.

G. Resubmittals

1. Make changes in the shop drawings as required, consistent with the Contract Documents. When resubmitting, notify the Consultant in writing of any revisions other than those required.
2. Action indicated is subject to the requirements of the Contract Documents.
3. Adjustments made on shop drawings are not intended to change the Contract Price. If adjustments affect the value of the Work, state such in writing prior to proceeding with the Work.

1.7 QUALITY ASSURANCE

A. Supplementary:

1. Secure equipment, except portable equipment, firmly in place. Mount components rigidly, except where resilient isolation is required. Design and provide fastenings and supports adequate to support their loads with a safety factor of at least three.
2. Clearly mark switches, jacks, outlets, cables, connectors, etc. logically and permanently during fabrication and installation.
3. Where many cables are run in close proximity color code by function in a logical manner.
4. Take necessary precautions to prevent and guard against electromagnetic, electrostatic and radio frequency interference.
5. Provide control system wiring which is continuous from the faceplates to the racks. Employ no splices for entire cable length.
6. Exercise care in wiring, so as to avoid damage to the cables and to the equipment. Between racks, cabinets, consoles or modules insure cables are well-supported, neatly laced and dressed. Make joints and connections with mechanical connectors approved by the Consultant.
7. Group terminals by signal type.
8. When cable is surface mounted and crossing through fire walls, use the equivalent Belden fire rated plenum cable to the specified cable type.
9. Run power and high level circuits on one side of the racks or cabinets, as viewed from the rear. Run other circuits on the opposite side, as viewed from the rear.
10. Label terminal strips, punch blocks, wire and cables in a permanent and logical manner with a unique number on each end of cable runs.
11. Terminate all connections with rack with mating connectors, punch blocks, or terminal strips.
12. Final location of equipment is as shown on the Drawings, located in the field by the Architect or as shown on supplementary drawings prepared by the Consultant.

1.8 SCHEDULES

A. Schedule and sequence the Work in conjunction and agreement with trades performing related, adjacent and intersecting work and the Construction Manager. Accommodate the Owner's projected time schedule for installation, particularly where coordination with other trades is required.

B. Submit preliminary progress schedule coordinated with Project construction schedule.

C. After review, revise and resubmit schedule to comply with revised project schedule.

D. During progress of Work, revise and resubmit schedules as pertinent events are recognized.

1.9 COORDINATION

A. Summary

1. The Work involving performance equipment may be performed simultaneously to general building construction occurring on site. It is incumbent on this contractor to provide necessary coordination this Work and with adjacent and intersecting work, trades and facilities.
2. This section describes administrative and supervisory requirements necessary for Project coordination including:

a. Coordination.
b. Administrative and supervisory personnel.
c. General installation provisions.

B. Related areas of coordination are described elsewhere in the Contract Documents.

C. Coordinate included construction activities to assure efficient and orderly installation of each part of the Work. Coordinate construction operations included in the Project that are dependent upon each other for proper installation, connection, and operation.

D. Where installation of one part of the Work is dependent on installation of other components, either before or after its own installation, schedule construction activities in the sequence required to obtain the best results.

E. Where availability of space is limited, coordinate installation of different components to assure maximum accessibility for required maintenance, service and repair.

F. Make adequate provisions to accommodate items scheduled for later installation.

G. Where necessary, prepare memoranda for distribution to each party involved outlining special procedures required for coordination.

H. Include such items as required notices, reports, and attendance at meetings.

1. Prepare similar memoranda for the Owner and separate Contractors where coordination of their Work is required.

I. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and ensure orderly progress of the Work.

J. Accurately cut, fit, drill and tap Work herein to accommodate and fit work of other trades. Furnish or obtain templates and drawings to or from applicable trades for proper coordination of this Work.

K. Coordinate the Work with related trades and the Construction Manager, this includes the preparation of schedules and coordination of equipment delivery, storage and installation.

L. Coordinate the system installation with the requirements of adjacent and intersecting Work.

M. Coordinate the following areas:

1. Preparation of schedules.
2. Installation and removal of temporary facilities.
3. Delivery and processing of submittals.
4. Progress meetings.
5. Project Close-out activities.

1.10 AVAILABILITY

A. Immediately upon signing Contract, review Product delivery requirements and anticipate foreseeable supply delays for any items. If delays in supply of products are foreseeable, notify the Architect of such, in order that substitutions or other remedial action may be authorized in ample time to prevent delay in the performance of the Work.

B. In the event of failure to notify the Architect at commencement of the Work and should it subsequently appear that the Work may be delayed for such reasons, the Owner reserves the right to substitute more readily available products of similar character, at no increase in Contract Price.

1.11 WARRANTY

A. In addition to manufacturer's warranties, warrant systems and equipment to be free of defective components, faulty workmanship or improper adjustment for a period of two years from the date of Owner's acceptance. Paint and exterior finishes are excluded.

B. Replace items showing evidence of defective materials or workmanship (including installation workmanship) within thirty (30) days after notification. Make replacements without cost to the Owner.

C. Rectify conditions that might present a hazard to human life, well-being and or property within 48 hours of notification.

D. Included in warranty, and additional to the maintenance service is one visit scheduled to occur approximately thirty (30) days prior to expiration of this warranty. The contractor will contact the owner approximately sixty (60) days prior to the expiration of the warranty to arrange visits

to be at a time mutually agreeable to the Owner and Contractor. During the visit the technician will thoroughly examine system components, including error logs and replace failing or failed components.

1.12 MAINTENANCE

A. Maintenance Service

1. Provide on-site maintenance service for a period of one year after final acceptance of the installation. This service shall cover the parts and labor resulting from correction of defects and/or improper installation of items specified in this section.
2. In addition to repair visits, this service consists of at least two half-yearly visits to the site for checking and adjusting of equipment. The first visit occurring six months after the system has been accepted. Arrange visits to be at a time mutually agreeable to the Owner and Contractor.
3. Provide 24 hour emergency service phone line. A field service engineer shall respond to an emergency call on this line within 30 minutes.

B. Extra Materials

1. Provide replacement spares as required and described herein.

1.13 PRODUCT HANDLING AND STORAGE

A. The Division 26 Contractor will make good or replace work, materials and equipment which have become contaminated, stolen, marred otherwise damaged, as directed by the Consultant and at no cost to the Owner once the equipment has been accepted by the Division 26 Contractor.

B. Equipment will remain the responsibility of the Division 26 Contractor until turned over to the owner.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Note that listing in this specification and its subsections does not relieve a manufacturer of compliance with the specified standards.

B. Note that listing in this specification and its subsections does not imply compliance with the specified standards.

C. A listed item found not to be in compliance with the specification will be rejected when the non-compliance is discovered.

2.2 SUPPLEMENTARY

A. Provide equipment and hardware in addition to the items specified previously that are necessary to provide a fully working system in conformance with the intent of the Contract Documents.

2.3 FABRICATION

A. Shop Assembly:

1. Workmanship: Work shall be performed by an experienced fabricator or manufacturer and installed by experienced tradesmen. Materials, methods of fabrication, fitting, assembly, bracing, supporting, fastening, operating devices and erection shall be in accordance with the Contract Documents, reviewed shop drawings and best practices of the industry, using new and clean materials specified, having structural properties sufficient to safely sustain or withstand stresses and strains to which materials and assembled work will be subjected. Assemble, fabricate and erect all work in a neat and accurate fashion.
2. Employ materials that are free of defects impairing strength, durability or appearance and of best commercial quality for the purpose specified. Employ materials with structural proportions to safely sustain and withstand stresses and strains to which they will be subjected. Fabricate true to detail, clean, straight with sharply defined profiles and, unless otherwise noted, with smooth finished surfaces.
3. Supplementary Parts: Provide as necessary to complete each item of work, even in the event that such supplementary parts are not specifically mentioned in the Contract Documents.
4. Connections:

    a. Make connections with tight joints, capable of developing full strength of the members and flush unless indicated otherwise. Locate joints where least conspicuous. Unless indicated otherwise, weld or bolt shop connections; bolt or screw field connections. Provide control joints as required to accommodate environmental variations.
    b. Employ fastening systems of appropriates sizes, ratings and quantities for the application. Where rated fasteners are employed, Provide domestically manufactured fasteners rated for anticipated loads and with approved markings indicating their rating. Provide fastener system's components of the same manufacture and equal ratings.
    c. Holes: Drill or cleanly punch holes, do not burn.
    d. In addition to all other requirements, install a hardened washer between bolt heads, nuts and materials having elongated holes.
    e. Unless specifically noted, and excepting graded, rated or otherwise certified fasteners, use nylon locking type nuts in locations subject to vibration and loosening.
    f. Unless otherwise noted, exposed bolt and screw heads shall be flat and countersunk.

5. Insofar as practicable, perform fitting and assembly of the Work in the shop. Shop assemble the Work in the largest practical sizes to minimize field work. It is the responsibility of this Contractor to assure himself that shop fabricated items properly fit the field condition. In the event that shop fabricated items do not fit the field condition, return the item to the shop for correction.
6. Cutting:

    a. Cut metal by sawing, shearing or blanking. Flame cutting is permitted only when edges are ground back to clean, smooth edges and no deformation or damage is caused to the metal by the process. Make cuts accurate, clean, sharp and free of burrs, without deforming adjacent surfaces or metals.

7. Where dimensions and characteristics have been omitted, furnish based on criteria setforth herein.

PART 3 - EXECUTION

3.1 SITE CONDITIONS

A. Sequence delivery and installation of components to protect their long term viability. Of particular concern is protecting electronic contacts from abrasive construction dust and grit and protecting devices from the accumulation of dust which can lead to early component failure.

B. If devices must be installed prior to the room being clean, dry and dust free protect connectors and internal components from the infiltration of dust and thoroughly clean the components of all dust and grit before beginning testing. Devices with evidence of abrasion on the contacts will be rejected.

C. Devices not installed but required for testing are to be brought to the site for in time for testing.

D. Devices not required for testing are to be delivered at the first training session.

3.2 INSTALLATION

A. Provide racks, furniture, consoles, etc., required for the installation and needed to provide completed systems. Only to the extent that such ancillary equipment is specified elsewhere is it excluded from these system Specifications.

B. Provide low voltage cable.

C. Terminate and install low voltage faceplates.

D. Terminate control lines.

E. Interface:

1. Coordinate work with the Division 26 Contractor in accordance with the contract documents.

2. Contract documents are diagrammatic and indicate general arrangement of systems and work included.
3. Follow drawings in laying out work and check drawings of other trades relating to work to verify spaces in which work is installed.
4. Maintain headroom and space conditions at all points.

3.3 DELIVERY

A. Materials within this contract will be delivered by the contractor to the project site.

B. Equipment furnished under Division 116161 will become the responsibility of the Division 26 Contractor at such time that the Division 26 Contractor takes possession of the equipment from the 116161 contractor.

1. At this time the Division 26 Contractor will document the exact condition, breakage or damage evident in the equipment.
2. Exact quantities will be documented.
3. Discrepancies in the quantities and damage or unsuitability of the product for the application will be provided in writing to the 116161 contractor upon transfer of the equipment.
4. Acceptance of the equipment verifies proper physical condition of the product. Electrical functionality is not implied at acceptance and is not the responsibility of the Division 26 Contractor.
5. The 116161 Contractor will be present at the time of transfer to coordinate and expedite this action. The 116161 Contractor shall be given a two week minimum lead time prior to this meeting.

3.4 SUPERVISION OF INSTALLATION

A. Provide instruction and supervision to the Division 26 Contractor as it pertains to the installation of these systems. Provide the necessary personnel for coordination meetings and site visits prior to installation of systems.

3.5 FIELD QUALITY CONTROL

A. Tests - Perform tests to ensure the following criteria and provide certification:

1. Labeling of faceplates has correct correlation of dimmer number and faceplate circuit number.
2. Polarity of circuits is correct.
3. Test voltage drop at each end of circuits with a 2Kw load and record voltage.
4. DMX and Ethernet lines for throughput, packet formation, termination, and noise.
5. Pairing of circuits is correct.

B. If final acceptance is delayed beyond two test days or visits because the system does not fulfill this specification, pay for time and expenses of the Architect’s Consultant during any extensions of the acceptance testing period.

3.6 DEMONSTRATION & INSTRUCTION

A. Create an initial configuration for test purposes which demonstrates the full capabilities of the system, demonstrates how it meets specification, and demonstrates areas in which it exceeds specification.

B. Provide Training on this equipment system to be scheduled at times mutually agreed upon with the owner. This training time is to be divided into the following sessions as a minimum:

1. Initial training
2. Follow-up training.
3. Attendance at the first cueing secession.

3.7 PROJECT CREDIT

A. In publications where this project is mentioned give credit to:

1. The Electrical Engineer
2. The Design Architect
3. Theatre Consultant: Theatre Consultants Collaborative, Inc

3.8 SCHEDULES

A. See Attached Equipment and Component Schedules for outline of major materials and components.

B. Dimmer List

C. Box Schedule.

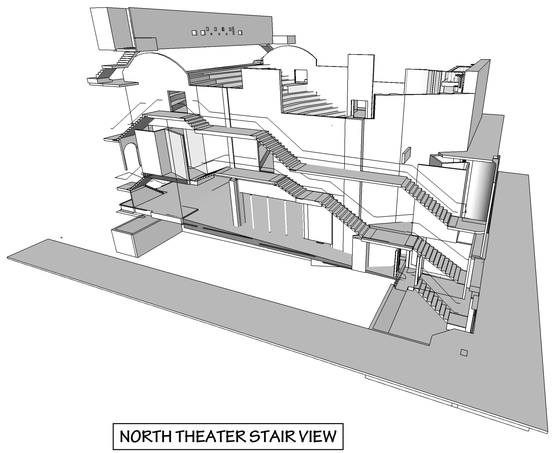
D. System Drawings.

E. Construction Drawings

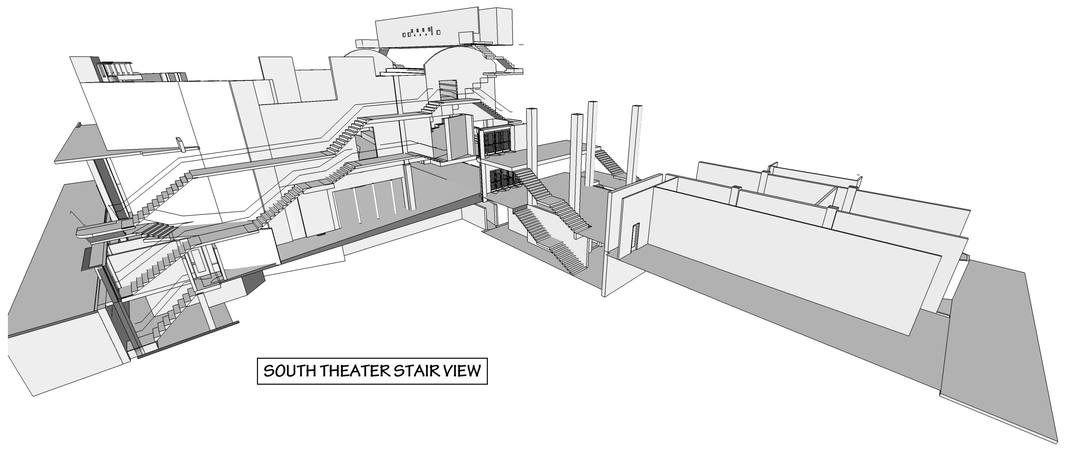
END OF SECTION 116161.00

Contract Item No.	Estimated Quantity	Description and Price in Words	Computed Total Price for Item in Figures
BASE BID	LS	The work includes the furnishing of all labor, equipment, and material for the upgrading of the existing house and performance stage lighting, upgrading of electrical service, replacement of the existing emergency generator and installation of temporary stage connections, any allowances that may be listed in Section 01020, and with all associated work required for a complete project in accordance with the Contract Documents. _____ _____ dollars and _____ cents (BASE BID) LS	$_____
ALTERNATE NO. 1	LS	The work includes the furnishing of all labor, equipment, and material to install new LED performance stage lighting and digital controls with control points in the booth and on the stage, with all associated work required for a complete project, as shown and indicated but not limited to Sheets TAL01, TEG01, TEG02, TEG03, TEG04, TEG05, TEG06, TPL01, TPL02, TPR01, with all associated work required for a complete project in accordance with the Contract Documents. _____ _____ dollars and _____ cents (ADDITIVE) LS	(ADDITIVE) $_____

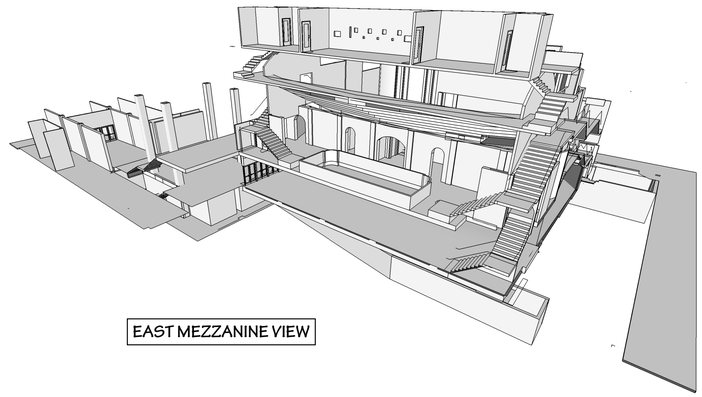
Contract Item No.	Estimated Quantity	Description and Price in Words	Computed Total Price for Item in Figures
ALTERNATE	LS	The work includes the furnishing of all labor, equipment, and material for new house lighting for auditorium including decorative fixtures (i.e., cave stars, cloud & décor), with all associated work required for a complete project, as shown and indicated but not limited to Sheets E0.0A, E1.0A, E1.1A, E1.2A, E1.3A, E1.4A, E2.0A, E2.1A, E2.2A, E.2.3A, E2.4A, E3.1A, E3.2A, E4.0A, E4.1A, with all associated work required for a complete project in accordance with the Contract Documents.	
(ADDITIVE)		_____	
		_____ dollars	
		and _____ cents	
		(ADDITIVE) LS	$_____



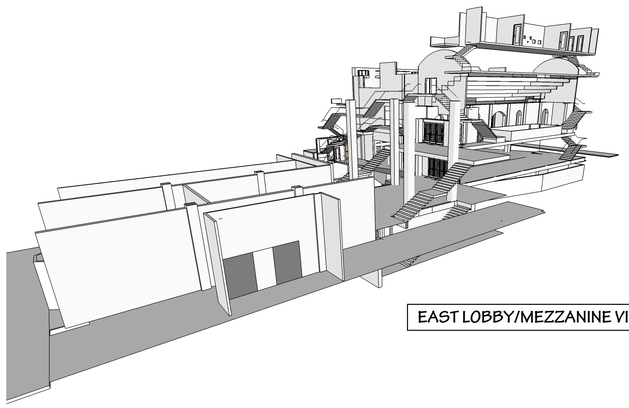
NORTH THEATER STAIR VIEW



SOUTH THEATER STAIR VIEW



EAST MEZZANINE VIEW



EAST LOBBY/MEZZANINE VIEW

Tampa Theater

Electrical Service Lighting Upgrade & Renovation
Tampa, Florida

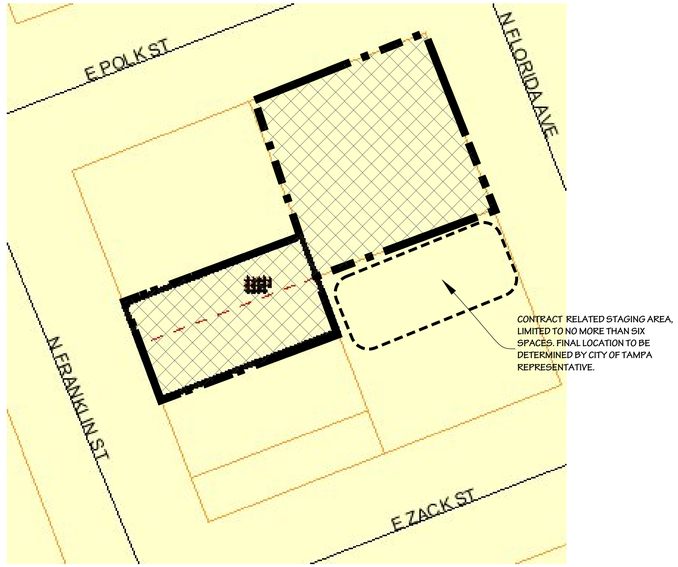
Mechanical and Electrical Engineers: VoltAir Engineers Consulting Engineers
Architect: Design Harmonics Architecture, Inc
Consultants: Theatre Consultants Collaborative, Inc

ISSUE
04.30.15 100% CONSTRUCTION DOCUMENTS

PROJECT NO.
VA-01.15.017(DHA-345.17)

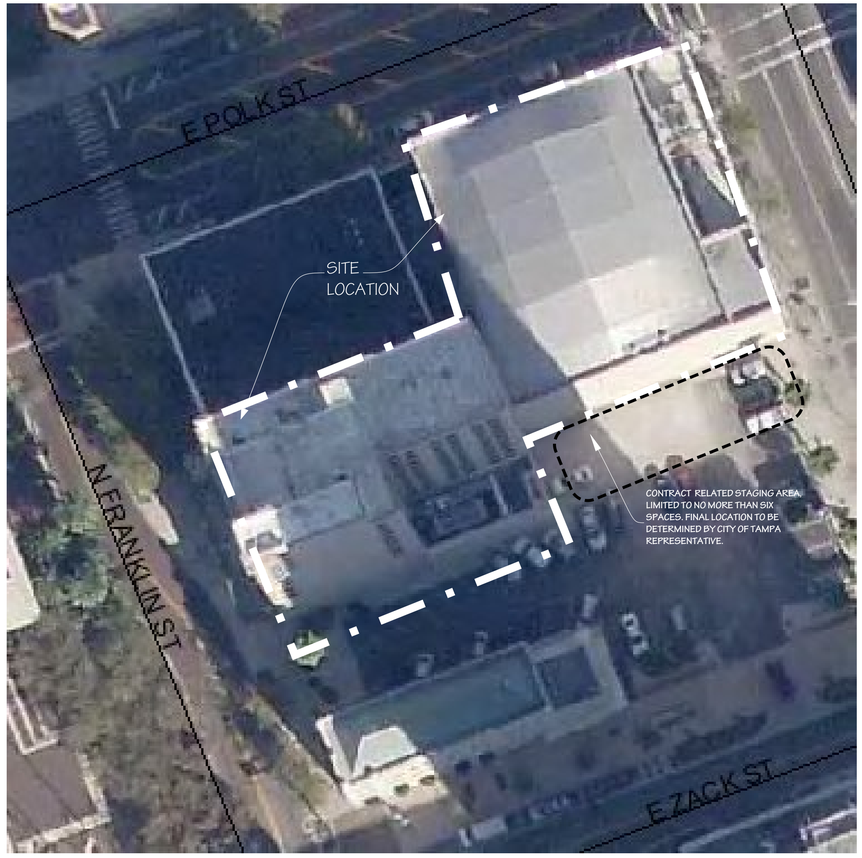
GENERAL CONSTRUCTION NOTES

1. SUB-CONTRACTORS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK. THE BASE BID SHALL REFLECT MODIFICATIONS TO SYSTEMS AND DEVISES AS REQUIRED BY STATE AND LOCAL CODES AND REQUIREMENTS INDICATED ON PROJECT DOCUMENTS. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES REQUIREMENTS HAS BEEN MADE. LATER CLAIMS FOR LABOR. EQUIPMENT. OR MATERIALS REQUIRED. OR FOR DIFFICULTIES ENCOUNTERED WHICH WOULD HAVE BEEN FORESEEN HAD AN EXAMINATION AND CODE/REQUIREMENTS REVIEW BEEN MADE, WILL NOT BE ALLOWED.
2. ALL WORK PERFORMED BY OWNER'S CONTRACTOR SHALL BE PERFORMED IN A FIRST CLASS AND WORKMANLIKE MANNER AND WITH NEW MATERIALS.
3. OWNER'S CONTRACTOR SHALL COMPLY WTTH ALL REQUIREMENTS OF THE OWNER REGARDING COORDINATION OF WORK IN THE BUILDING.
4. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE RESEALED TO THE ORIGINAL FIRE RATING WITH 3M #303 FIRE SEAL PUTTY OR EQUAL
5. ALL NEW WALLBOARD SHALL HAVE ITS JOINTS TAPED, SPACKLED, AND SANDED SMOOTH, IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS. WALLBOARD SHALL BE MADE READY FOR THE FINISH MATERIAL SCHEDULED.
6. CEILING FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. (SECURELY FASTENED AS PER NEC 410-16(C).)
7. THE NAMES AND PRODUCT NUMBERS OF CERTAIN MANUFACTURERS LISTED ON THE DRAWINGS. ARE TO ESTABLISH THE MINIMUM ACCEPTABLE STANDARD. OTHER PRODUCTS OF OTHER MANUFACTURERS, MAY BE SUBSTITUTED IF THE TENANT APPROVES THESE PRODUCTS AS EQUAL IN QUALITY AND COMPATIBLE WITH THE GENERAL DESIGN.
8. INSTALLATION OF ALL FINISHED MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRTITEN INSTRUCTIONS. DO NOT INSTALL ANY FINISH MATERIAL UNTIL SUBSTRATE HAS BEEN PREPARED TO RECEIVE NEW MATERIAL INSTALLATION OF ANY AND ALL FINISH MATERIAL ACKNOWLEDGES ACCEPTANCE OF SUBSTRATE.
9. ALL ROOF PENETRATIONS REQUIRED FOR INSTALLATION OF DUCTS AND VENTS THROUGH THE ROOF SHALL IN NO *CASE*, VOID OR LIMIT IN ANY WAY, THE ROOF'S BOND/WARRANTY/GUARANTEE.
10. PROVIDE DEAD WOOD/BLOCKING WITHIN THE WALL CAVITIES FOR ANCHORING ALL WALL CABINETS, SHELVING STANDARDS. TOILET ROOM ACCESSORIES, WALL MOUNTED DOOR STOPS, CHAIR RAILS, AND OWNER FURNISHED WALL MOUNTED CLOCKS, ETC. SECURE BLOCKING TO THE STUDS AT THE APPROPRIATE HEIGHT FOR INSTALLATION AND ANCHORING OF THE ITEMS DESCRIBED ABOVE.
11. NOTIFY ARCHITECT IMMEDIATELY OF ANY UNDOCUMENTED OR UNEXPECTED CONDITIONS.
12. CONTRACTOR SHOULD FIELD VERIFY ALL EXISTING CONDITIONS/ DIMENSIONS PRIOR TO SUBMITTING BID, AND SHOULD NOTIFY ARCHITECT AND TAMPA THEATER IMMEDIATELY UPON DISCOVERY OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND PLANS. FAILURE TO DO SO SHOULD CONSTITUTE THAT THE CONTRACTOR AGREES WITH ALL EXISTING CONDITIONS AS SHOWN ON PLANS.
13. DIMENSIONS ARE TO THE CLEAR FACE OF THE WALL UNLESS OTHERWISE NOTED.
14. ALL WALL FRAMING DETAILS, UNLESS OTHERWISE NOTED ARE INTENDED TO BE OF WOOD CONSTRUCTION.
15.
16. PROVIDE CEILING MOUNTED SMOKE DETECTORS AS REQUIRED.
17. PROVIDE BACKER ROD AND ELASTOMERIC SEALANT TO SEAL AND MAKE WATERTIGHT ALL JOINTS ON THE EXTERIOR OF THE BUILDING AND JOINTS ON THE INTERIOR WHERE DAMPNESS OR MOVEMENT IS ANTICIPATED. PROVIDE CAULKING COMPOUND AT INTERIOR JOINTS WHERE FILLING AND CLOSING OF JOINT IS PRIMARILY FOR APPEARANCE. PROVIDE SEALANT IN APPROPRIATE COLORS FROM ONE OF THE FOLLOWING: SIKAFLIX, VULKEM.



N

1 / S-1 ARCHITECTURAL SITE PLAN
SCALE: NTS



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2 / S-2 ARCHITECTURAL SITE AERIAL
SCALE: NTS

LEGAL DESCRIPTION:

TAMPA THEATRE BUILDING A
CONDOMINIUM COMMON AREA
BOOK 3771, PAGE 1574
PIN: A-24-29-18-8ML-000000-C0000.0

CONSTRUCTION NOTES:

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COA 27158 Project No. 13067

Tampa Theatre Electrical Service Upgrade & Lighting Upgrade
711 N Franklin St Tampa, Fl 33602

Sheet Title: SITE

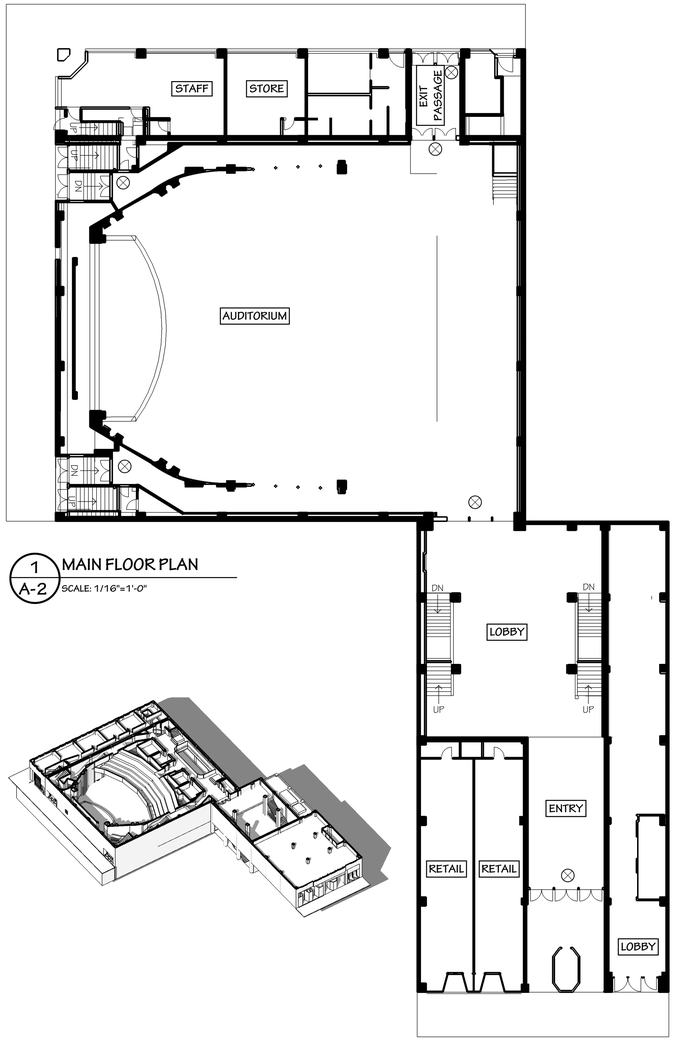
No.	Description	Date

DESIGNED BY: WR
CHECKED BY: WR
SCALE: As Noted

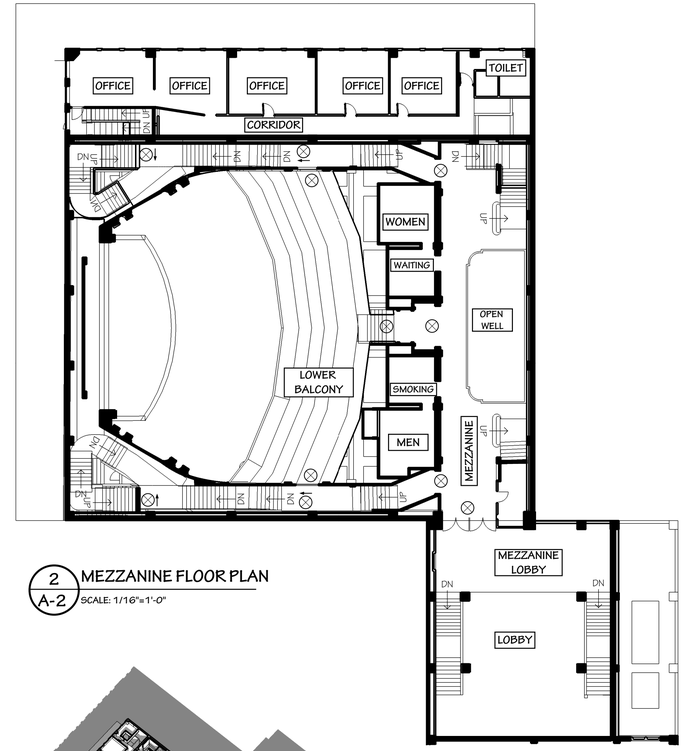
ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS: 04/30/15

Drawing No.

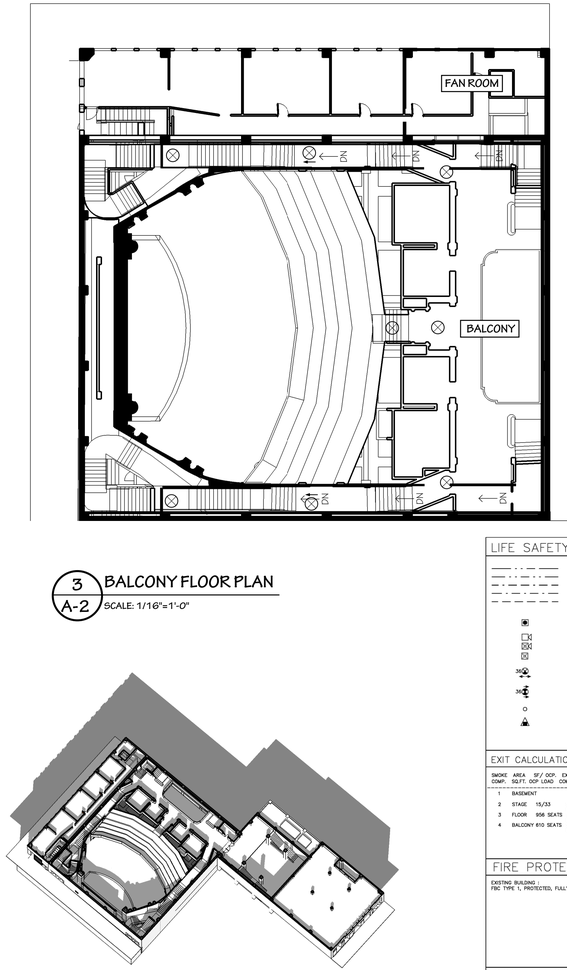
S-1



1 A-2 MAIN FLOOR PLAN
SCALE: 1/16"=1'-0"



2 A-2 MEZZANINE FLOOR PLAN
SCALE: 1/16"=1'-0"



3 A-2 BALCONY FLOOR PLAN
SCALE: 1/16"=1'-0"

LIFE SAFETY LEGEND

- TWO HOUR FIRE / SMOKE
- TWO HOUR FIRE
- ONE HOUR FIRE / SMOKE
- ONE HOUR FIRE
- SMOKE RESISTANT TO DECK
- PULL STATION
- SPEAKER/HORN
- HORN WITH STROBE
- STROBE
- ILLUMINATED EXIT SIGN, SINGLE FACE, W/ DIRECTION ARROW AND EXIT WIDTH IN INCHES
- ILLUMINATED EXIT SIGN, DOUBLE FACE, W/ DIRECTION ARROWS FOR EACH FACE AND EXIT WIDTH IN INCHES
- EXIT ILLUMINATION
- FIRE EXTINGUISHER

EXIT CALCULATIONS TAMPA THEATER

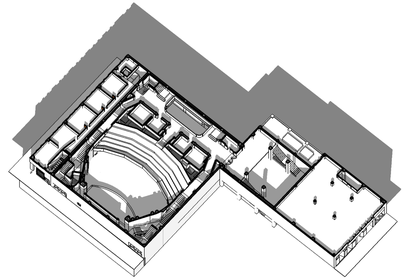
	SMOKE COMP.	AREA SQ.FT.	OCP. LOAD	EXIT COMP.	WIDTH/ PERSON	PROV. EGRESS WIDTH	CAP
1	BASEMENT						
2	STAGE	15/33		STAIRWAY DOORS	0.3		
3	FLOOR	936 SEATS		STAIRWAY DOORS	0.3		
4	BALCONY	610 SEATS		STAIRWAY DOORS	0.3		

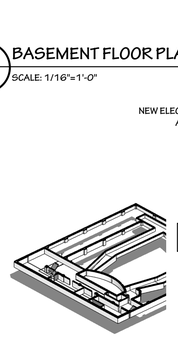
FIRE PROTECTION CRITERIA

EXISTING BUILDING :
FBC TYPE 1, PROTECTED, FULLY SPRINKLERED

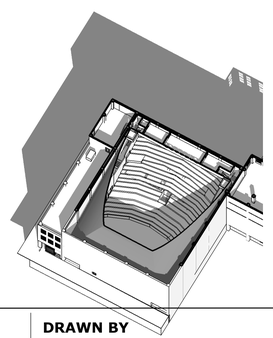
OCCUPANCY CLASSIFICATION

OCCUPANCY – GROUP A–ASSEMBLY
1,566 EXISTING SEATS

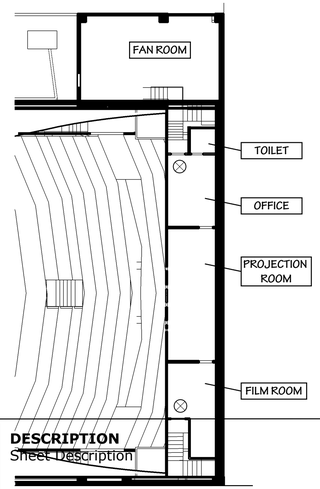




5 A-2 BASEMENT FLOOR PLAN
SCALE: 1/16"=1'-0"



6 A-2 PROJECTION RM PLAN
SCALE: 1/16"=1'-0"



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Sheet Title: LIFE SAFETY PLANS

No.	Description	Date

DESIGNED BY: WR
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SCALE: As Noted

ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS 04/30/15

Drawing No. a

CLIENT	PROJECT	PROJECT NO.	ISSUE	DRAWN BY	DESCRIPTION
Client Name	Project Name	245.170	08.08.08	NH, MB	Sheet Description

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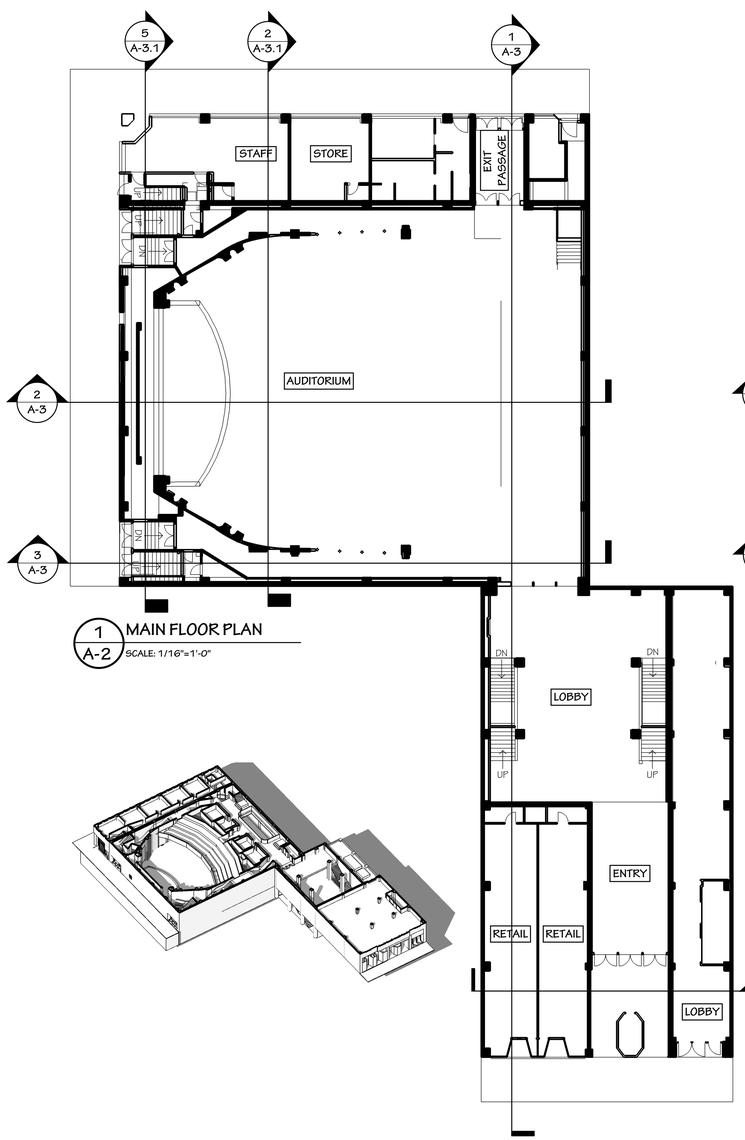

1 A-2 MAIN FLOOR PLAN
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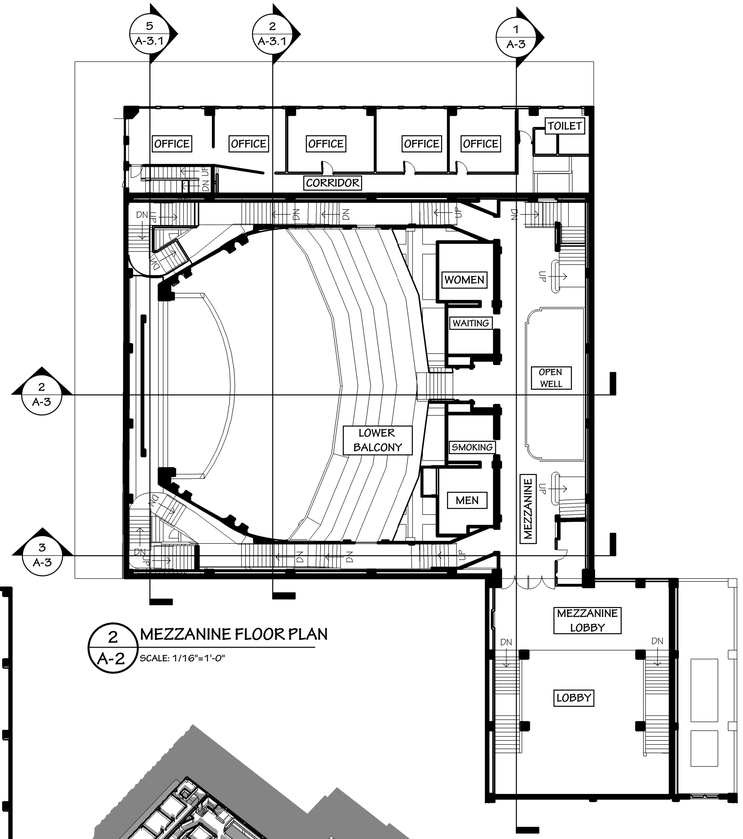
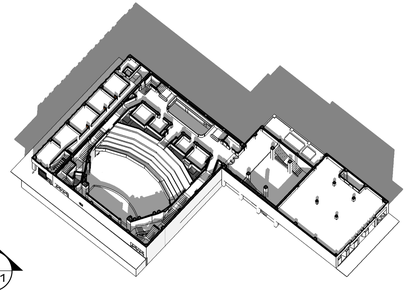
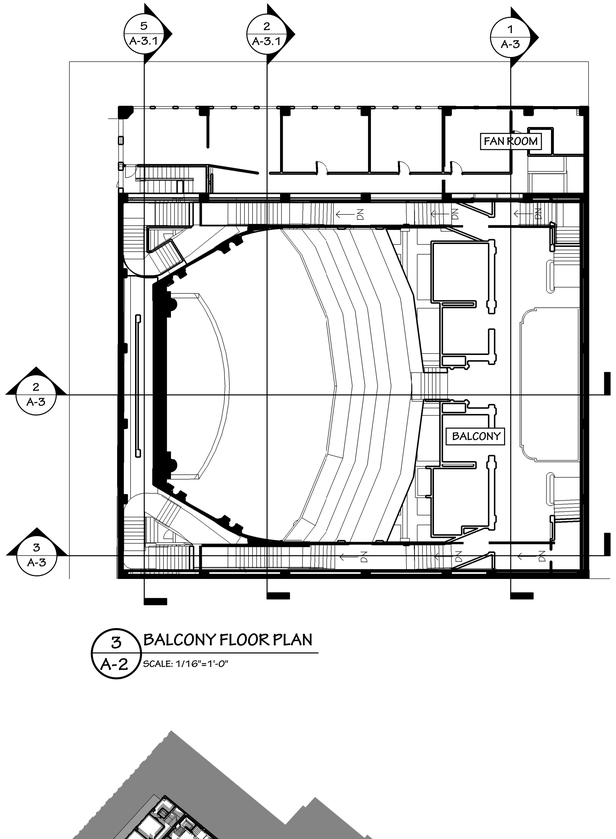
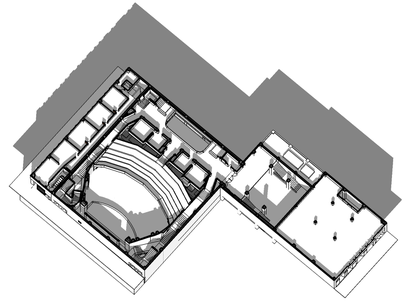


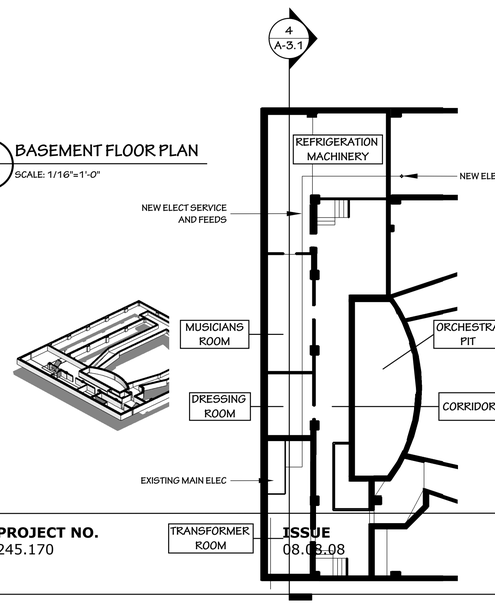
2 A-2 MEZZANINE FLOOR PLAN
SCALE: 1/16"=1'-0"





3 A-2 BALCONY FLOOR PLAN
SCALE: 1/16"=1'-0"





5 A-2 BASEMENT FLOOR PLAN
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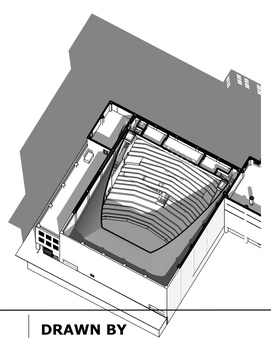
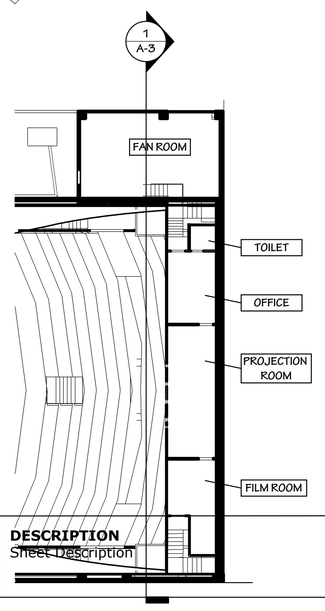


6 A-2 PROJECTION RM PLAN
SCALE: 1/16"=1'-0"



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Sheet Title: FLOOR PLANS

No.	Description	Date

DESIGNED BY: WR
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SCALE: As Noted

ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS 04/30/15

Drawing No. a

CLIENT	PROJECT	PROJECT NO.	ISSUE	DRAWN BY	DESCRIPTION
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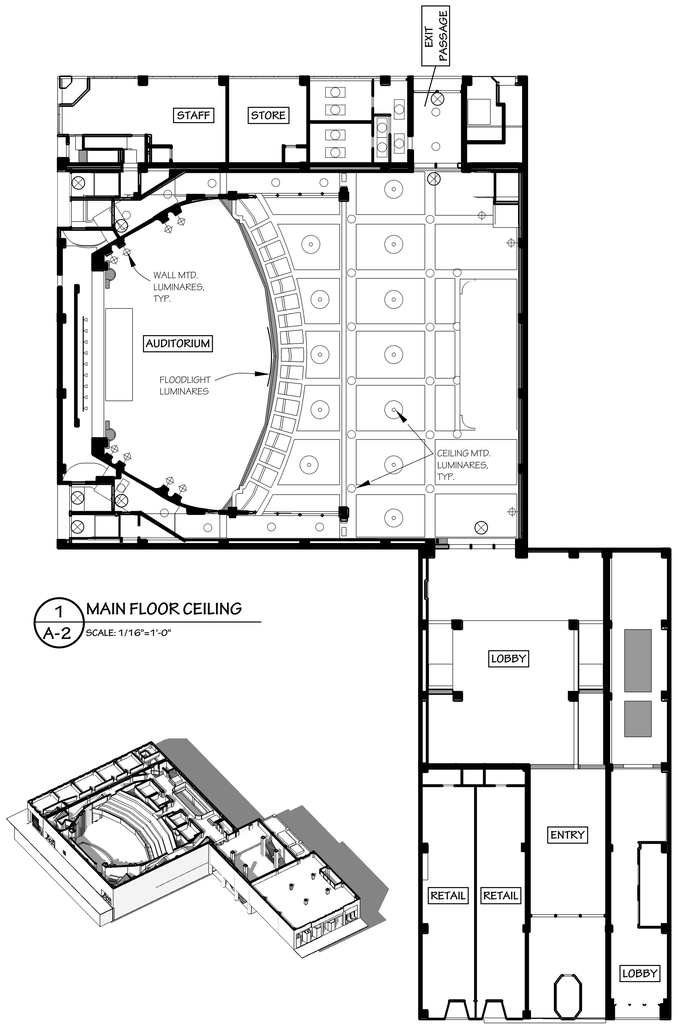
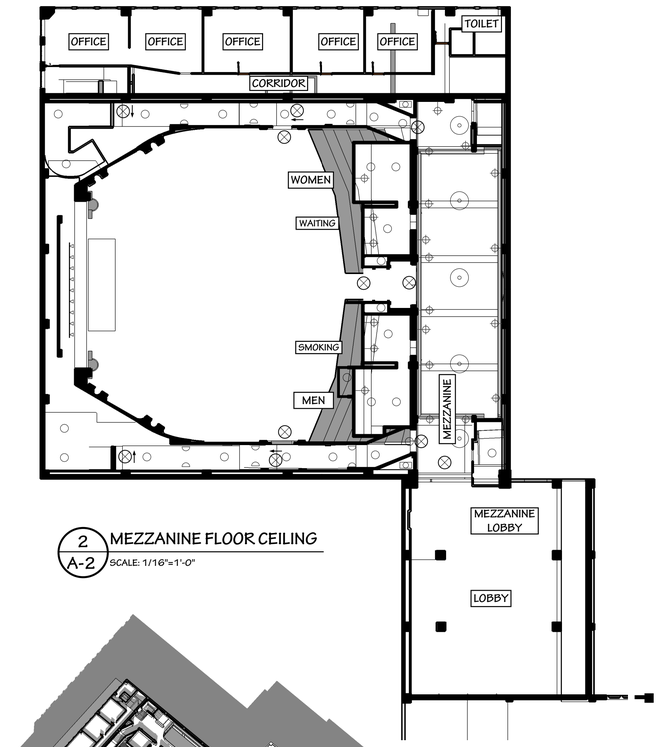
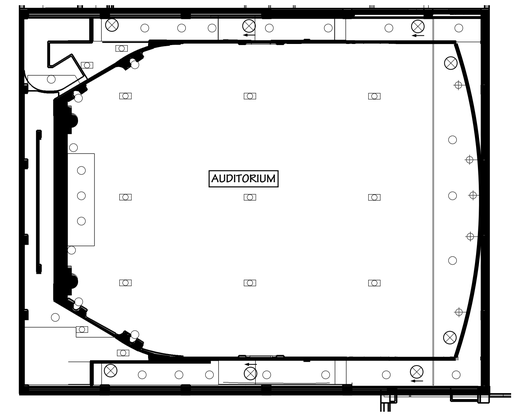


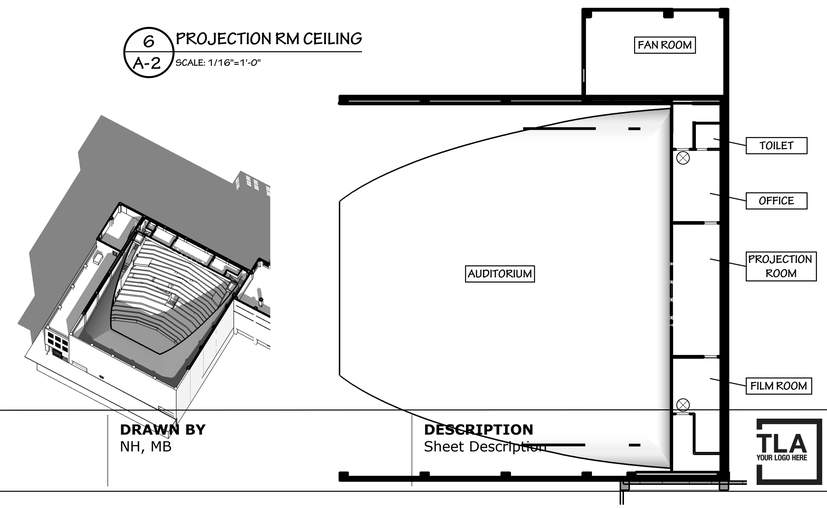
1 A-2 MAIN FLOOR CEILING
SCALE: 1/16"=1'-0"



2 A-2 MEZZANINE FLOOR CEILING
SCALE: 1/16"=1'-0"



3 A-2 BALCONY FLOOR CEILING
SCALE: 1/16"=1'-0"



6 A-2 PROJECTION RM CEILING
SCALE: 1/16"=1'-0"

Design Harmonics Architecture
AA 26001084
3810 Murrell Road, #509
Rockledge, FL 32955
234 Bullard Parkway
Temple Terrace, FL 33617
Tel: (813)-350-7997 Fax: (813)-350-7801
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Wayne Rosier
AR 0013113

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COA 27158 Project No. 13067

Tampa Theatre Electrical Service Lighting Upgrade & Renovation
711 N Franklin St Tampa, Fl 33602

Sheet Title: REFLECTED CEILING PLANS

No.	Description	Date

DESIGNED BY: WR
CHECKED BY: WR
SCALE: As Noted

ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS 04/30/15

Drawing No. a

CLIENT	PROJECT	PROJECT NO.	ISSUE	DRAWN BY	DESCRIPTION
Client Name	Project Name	245.170	08.08.08	NH, MB	Sheet Description

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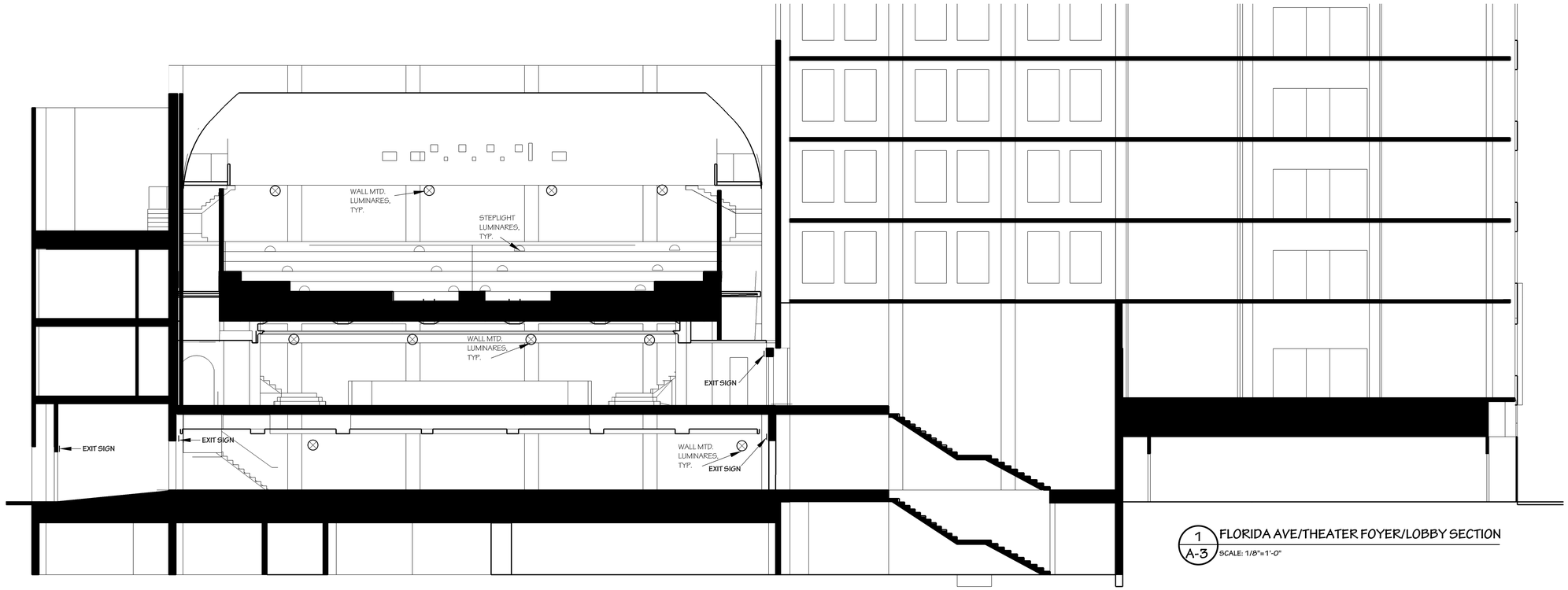
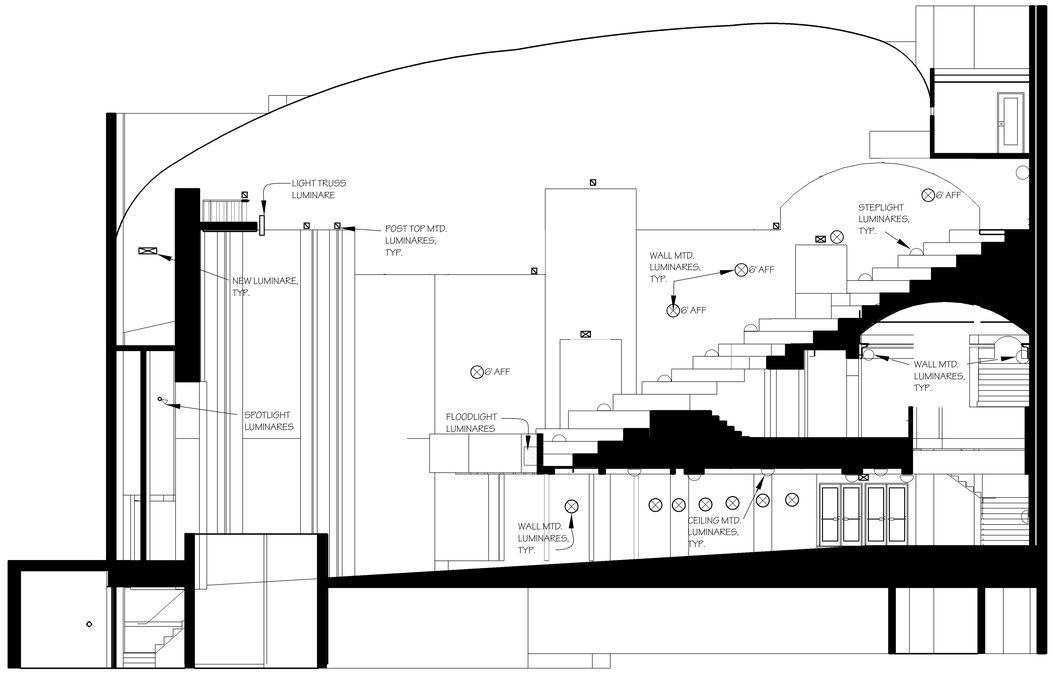
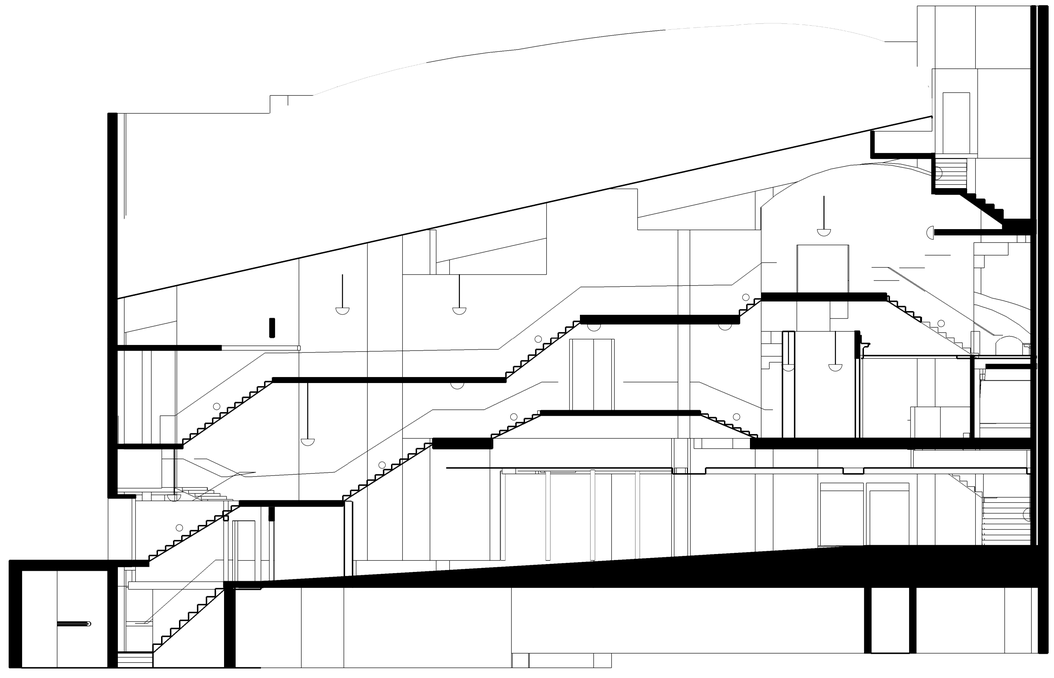


1 A-3 FLORIDA AVE/THEATER FOYER/LOBBY SECTION
SCALE: 1/8"=1'-0"



2 A-3 THEATER MID-SECTION
SCALE: 1/8"=1'-0"



3 A-3 SOUTH THEATER STAIR SECTION
SCALE: 1/8"=1'-0"

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All dimensions and job conditions shall be checked by the contractor who shall be responsible for the same; any and all discrepencies shall be reported to the architects prior to the start of construction.

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Sheet Title: BUILDING SECTIONS

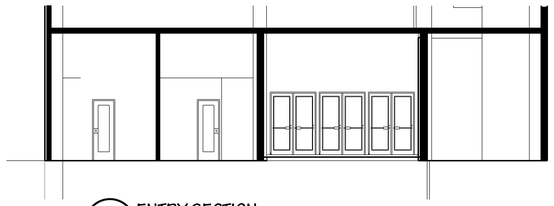
No.	Description	Date

DESIGNED BY: WR
CHECKED BY: WR
SCALE: As Noted

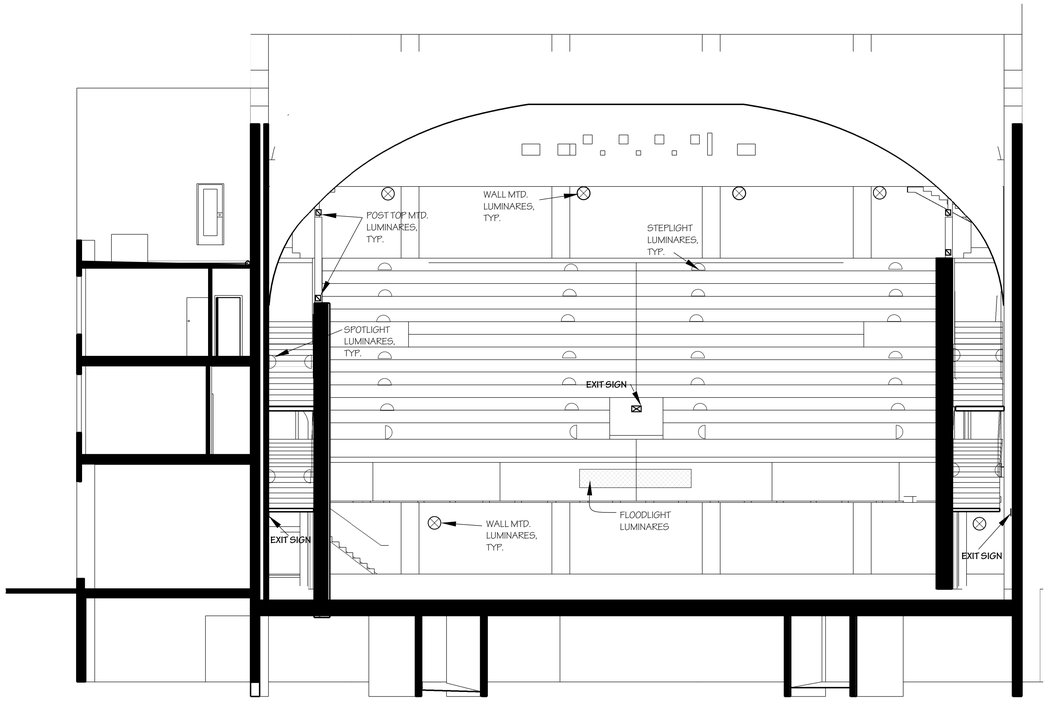
ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS: 04/30/15

Drawing No.

A-3

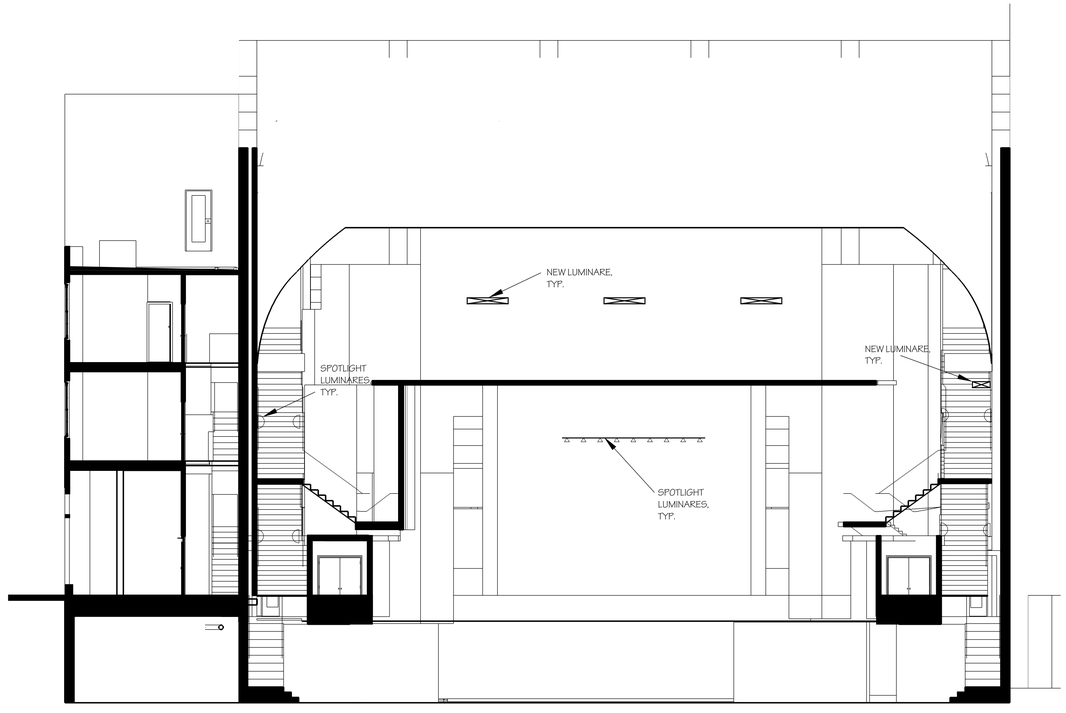


1 A-3.1 ENTRY SECTION
SCALE: 1/8"=1'-0"



2 A-3.1 FLORIDA AVE/THEATER SECTION
SCALE: 1/8"=1'-0"

4 A-3.1 THEATER BASEMENT SECTION
SCALE: 1/8"=1'-0"



5 A-3.1 FLORIDA AVE STAIR/THEATER REAR SECTION
SCALE: 1/8"=1'-0"

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Sheet Title: BUILDING SECTIONS

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SCALE: As Noted

ISSUED FOR: DATE:
100% CONSTRUCTION DOCUMENTS: 04/30/15

Drawing No.

A-3.1

SCOPE OF WORK

I. SCOPE OF WORK

A. ALL WORK SHALL BE IN COMPLIANCE WITH THE LATEST APPLICABLE CODES, LAWS AND ORDINANCES, AND THE NATIONAL ELECTRICAL CODE. PROVIDE AND FURNISH ALL LABOR, MATERIALS, PERMITS, AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK AS SHOWN ON CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL INSPECT ALL NEW MATERIAL AND EQUIPMENT PRIOR TO INSTALLATIONS FOR DAMAGES, AND SHALL VERIFY EQUIPMENT OPERATES SATISFACTORILY.

C. CONTRACTOR SHALL WARRANT ALL MATERIAL AND EQUIPMENT FURNISHED TO COMPLETE ALL WORK FOR ONE YEAR AFTER FINAL ACCEPTANCE OF COMPLETION. MATERIALS AND EQUIPMENT DEFECTS OF FAILURES DUE TO ABUSE, OR WORKMANSHIP NEGLECT SHALL BE MADE GOOD BY THE CONTRACTOR WITHOUT COST TO THE OWNER.

D. PROVIDE ONLY NEW, STANDARD UNDERWRITER'S LABORATORY INC. LISTED FIRST-GRADE MATERIALS THROUGHOUT, AND SHALL BE MARKED WITH UNDERWRITER'S LABORATORY INC. LISTED AND WITH MANUFACTURER'S BRAND OR TRADEMARK. ALL MATERIALS SHALL BE OF ONE MANUFACTURER.

E. CONTRACTOR SHALL BE EXPERIENCED IN THEIR TRADE. CONTRACTOR'S WORK SHALL PRESENT A NEAT APPEARANCE UPON COMPLETION. MATERIALS AND EQUIPMENT INSTALLED SHALL BE PLUMB, STRAIGHT, AND LEVEL.

F. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND OWNER ON EXACT LOCATION OF WIRING DEVICES AND RACEWAY FOR OWNER-FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.

G. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL TEST ALL WIRING AND EQUIPMENT INSTALLATION, AND SHALL BE IN PERFECT WORKING CONDITION IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS.

H. REFER TO 'BOOK' SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. THE 'BOOK' SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS.

I. THE BASE BID SHALL CONSIST OF THE MAIN SWITCHGEAR REPLACEMENT AND THE ITEMS INDICATED UNDER THE BASE BID SHEET INDEX. ALTERNATE #1 SHALL CONSIST OF THE THEATRICAL LIGHTING REPLACEMENT AND ALL INFRASTRUCTURE REQUIRED FOR THE THEATRICAL AND HOUSE LIGHTING AND ITEMS INDICATED UNDER THE ALTERNATE BID SHEET INDEX. ALTERNATE #2 SHALL CONSIST OF THE HOUSE LIGHTING REPLACEMENT AND ALL ASSOCIATED HOUSE LIGHTING ITEMS INDICATED UNDER THE ALTERNATE BID SHEET INDEX.

BASE BID - SHEET INDEX

ADDITIVE ALTERNATE BID #1 - SHEET INDEX

ADDITIVE ALTERNATE BID #2 - SHEET INDEX

LIGHTING LUMINAIRE SCHEDULE

	TYPE	DESCRIPTION	MANUFACTURER	LAMP TYPE	VOLTAGE
	A	4' LED SURFACE MOUNTED LUMINAIRE WITH LENS	WILLIAMS #SLF-4-LED*PH75/840-HIA-ED*UT-UNV	LED	UNIV
	AE	4' LED SURFACE MOUNTED LUMINAIRE WITH LENS AND EMERGENCY BALLAST	WILLIAMS #SLF-4-LED*PH75/840-HIA-ED*UT-UNV-EM/BSL310	LED	UNIV

NOTES:
1. PROVIDE UNSWITCHED CIRCUIT TO EMERGENCY BALLAST.
2. HALF SHADED FIXTURES ARE DESIGNATED AS EMERGENCY.
3. FINAL FIXTURE COLORS AND FINISHES SHALL BE SELECTED AND APPROVED BY OWNER/ARCHITECT.

LIGHTING

SYMBOL	DESCRIPTION
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED NORMAL POWER
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED LIFE SAFETY POWER / NL = NIGHT LIGHT
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED CRITICAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - NORMAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - LIFE SAFETY POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - CRITICAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - NORMAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - LIFE SAFETY POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - CRITICAL POWER
	FLUORESCENT STRIP LIGHT FIXTURE - NORMAL POWER
	FLUORESCENT STRIP LIGHT FIXTURE - LIFE SAFETY POWER
	FLUORESCENT STRIP LIGHT FIXTURE - CRITICAL POWER
	DOWN LIGHT FIXTURE - NORMAL POWER
	DOWN LIGHT FIXTURE - LIFE SAFETY POWER
	DOWN LIGHT FIXTURE - CRITICAL POWER
TYPE	WALL MOUNTED LIGHT FIXTURE - NORMAL POWER
	WALL MOUNTED LIGHT FIXTURE - LIFE SAFETY POWER
	WALL MOUNTED LIGHT FIXTURE - CRITICAL POWER
	CEILING FAN
	TRACK LIGHTING
	PENDANT LIGHTING
	VANITY LIGHTING
	UNDERCOUNTER LIGHTING
	FLOOD LIGHT FIXTURE
	POLE LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	STEP LIGHT FIXTURE
	EMERGENCY LIGHT UNIT
	EXIT LIGHT - SINGLE FACE WITH DIRECTIONAL ARROW
	EXIT LIGHT - DOUBLE FACE
	EXIT LIGHT - WALL MOUNTED

SWITCHES

SYMBOL	DESCRIPTION
$A	SINGLE POWER TOGGLE SWITCH (LETTER DENOTES FIXTURE CONTROLLED)
$3	THREE-WAY TOGGLE SWITCH
$4	FOUR-WAY TOGGLE SWITCH
$M	MOTOR SWITCH
$F	FAN SWITCH
$3P	THREE POSITION SELECTOR SWITCH
$T	TIMER SWITCH (60 MINUTES)
$LV	LOW VOLTAGE SWITCH
$HOA	HAND-OFF-AUTOMATIC SWITCH
$K	KEY SWITCH
$WP	SWITCH - WEATHERPROOF
$OS	WALL SWITCH OCCUPANCY SENSOR
$DOS	DUAL-LEVEL OCCUPANCY SENSOR SWITCH
OS MEA	OCCUPANCY SENSOR - CEILING MOUNTED
OS MEA	OCCUPANCY SENSOR - WALL MOUNTED
PC	PHOTOCELL
LC	LIGHTING CONTACTOR
TC	TIME CLOCK

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	DUPLEX RECEPTACLE, 20 AMP, 120V U.O.N. MOUNTED AT 48" UNLESS NOTED OTHERWISE
	QUADRUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	QUADRUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	SINGLE RECEPTACLE, 20 AMP, 120V U.O.N.
	GFI - TYPE DUPLEX RECEPTACLE WP: DENOTES WEATHERPROOF COVER
	GFI - TYPE DOUBLE DUPLEX RECEPTACLE
	GFI - DUPLEX RECEPTACLE MOUNTED AT 48" UNLESS NOTED OTHERWISE
	GFI - DOUBLE DUPLEX RECEPTACLE MOUNTED AT 48" UNLESS NOTED OTHERWISE
	SPECIAL PURPOSE RECEPTACLE (NEMA RATING AS INDICATED)
	QUADRUPLEX RECEPTACLE, TICK MARKS DENOTE EMERGENCY (TYPICAL ALL RECEPTACLES)
	DUPLEX RECEPTACLE - HALF SWITCHED
	DUPLEX RECEPTACLE - CEILING MOUNTED
IG	DUPLEX RECEPTACLE WITH ISOLATED GROUND
	POWER / DATA POKE-THRU
	PHONE / DATA POLE AS INDICATED WITH (2) TWO 20 AMP 120V DUPLEX RECEPTACLES, UNLESS NOTED OTHERWISE
J	JUNCTION BOX - CEILING MOUNTED
J	JUNCTION BOX - WALL MOUNTED
J	JUNCTION BOX - FLOOR / GROUND MOUNTED

FIRE ALARM

SYMBOL	DESCRIPTION
FACP	FACP: FIRE ALARM CONTROL PANEL FATC: FIRE ALARM TERMINAL CABINET FAAP: FIRE ALARM ANNUNCIATOR PANEL EVAC: FIRE ALARM VOICE / EVAC. UNIT
P	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM STROBE ONLY DEVICE MINIMUM 75cd RATING
	FIRE ALARM HORN / STROBE DEVICE MINIMUM 75cd RATING
	FIRE ALARM HORN / SPEAKER DEVICE MINIMUM 75cd RATING
	FIRE ALARM SPEAKER DEVICE
	FIRE ALARM HORN DEVICE MINIMUM 75cd RATING
	FIRE ALARM STROBE ONLY DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM HORN / STROBE DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM SPEAKER / STROBE DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM SPEAKER DEVICE - CEILING MOUNTED
	FIRE ALARM HORN DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
M	FIRE ALARM MINI-HORN DEVICE
	FIRE ALARM HEAT DETECTOR - CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED SB: SOUNDER BASE I: IONIC CO: CARBON MONOXIDE
	FIRE ALARM SMOKE DETECTOR - WALL MOUNTED SB: SOUNDER BASE CO: CARBON MONOXIDE UF: UNDERFLOOR
F	FIREMEN'S PHONE
FPH	FIREMEN'S AREA OF REFUGE PHONE (J: JACK....H: HANDSET)
S/R	FIRE ALARM DUCT SMOKE DETECTOR S: SUPPLY....R: RETURN
	TAMPER SWITCH
	FLOW SWITCH
R	FIRE ALARM SHUT-DOWN RELAY
DC	ELECTROMAGNETIC DOOR CONTACT
DH	DOOR HOLDER
RA	FIRE ALARM REMOTE ALARM INDICATOR WITH TEST SWITCH, FLUSH CEILING MOUNTED, WALL MTD. C.L. 48" A.F.F. IN MECHANICAL ROOMS

MISCELLANEOUS

SYMBOL	DESCRIPTION
3P/60A NF 3R	DISCONNECT SWITCH, NON-FUSIBLE 3 POLE, 60 AMP, NF = NON-FUSED, 3R = NEMA 3R ENCLOSURE
3P/60A F, 50A 3R	DISCONNECT SWITCH, FUSIBLE 3 POLE, 60 AMP, FUSED AT 50 AMPS, 3R = NEMA 3R ENCLOSURE
3P/60A NEMA X 3R	COMBINATION STARTER / DISCONNECT SWITCH, FUSIBLE 3 POLE, 60 AMP, NEMA X SIZE, 3R = NEMA 3R ENCLOSURE
	MAGNETIC MOTOR STARTER
	ENCLOSED CIRCUIT BREAKER, AS INDICATED
	PANELBOARD, 480 / 277V
	PANELBOARD, 208 / 120V
H	MANHOLE
H	HAND HOLE
SPD	SURGE PROTECTION DEVICE
	ELECTRICAL METER
TX	TRANSFORMER
HP	MOTOR CONNECTION, HP: DENOTES HORSEPOWER RATING
EF	EXHAUST FAN
	GROUND BUS BAR
	PUSHBUTTON
UGC UGE	UNDERGROUND COMMUNICATIONS CONDUIT UNDERGROUND ELECTRICAL CONDUIT
	3/4" PLYWOOD TELEPHONE BACKBOARD
	CONCRETE ENCASED DUCTBANK
	HOMERUN TO PANEL INDICATED (CONCEALED) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS IN CONDUIT
	WIRE IN CONDUIT CONCEALED, #12 AWG SIZE WIRE IN 1/2" CONDUIT MINIMUM UNLESS OTHERWISE NOTED
	WIRE IN CONDUIT CONCEALED BELOW SLAB OR GRADE
	EMPTY CONDUIT
	CONDUIT EXPOSED
	FLEXIBLE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB

GENERAL NOTES:

1. #12 AWG NEUTRAL CONDUCTOR ALTHOUGH NOT INDICATED SHALL BE INCLUDED FOR EACH BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
2. #12 AWG GREEN GROUND CONDUCTOR, ALTHOUGH NOT INDICATED SHALL BE INCLUDED IN EACH RACEWAY UNLESS OTHERWISE NOTED.
3. HOME RUNS TO PANEL BOARDS SHALL HAVE A MAXIMUM OF THREE (3) PHASE CONDUCTORS (ONE PER PHASE) PLUS DEDICATED NEUTRAL FOR EACH PHASE CONDUCTOR AND GROUND CONDUCTOR IN EACH CONDUIT.
4. ALL SYMBOLS SHOWN MAY NOT BE USED.

Professional Seal

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COA 27158
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement
Tampa, Florida

Drawing Title: ELECTRICAL LEGEND AND SPECIFICATIONS

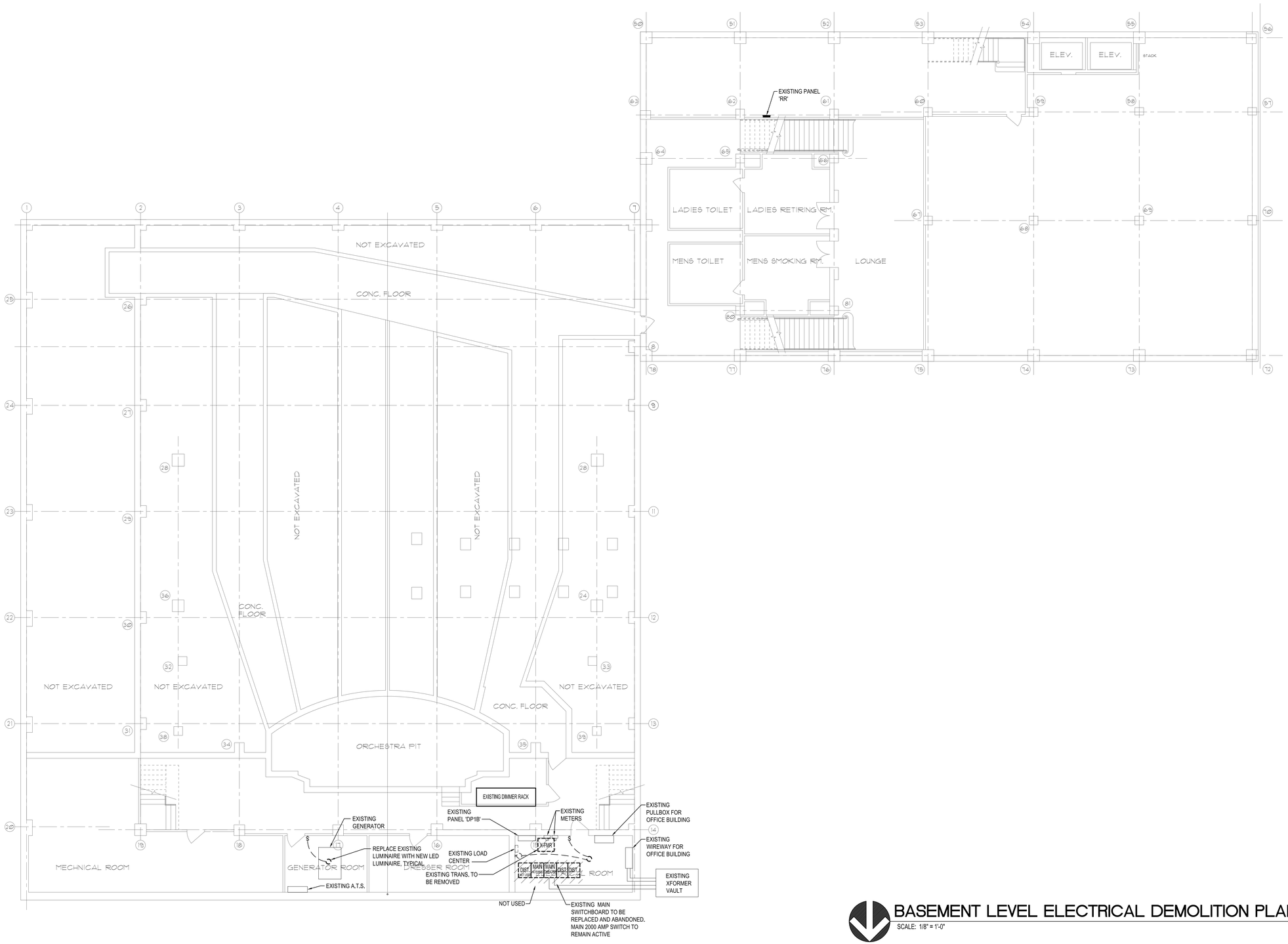
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E0.0



BASEMENT LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

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COA 27158
Project No. 13067

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Tampa, Florida

Drawing Title
BASEMENT LEVEL ELECTRICAL DEMOLITION PLAN

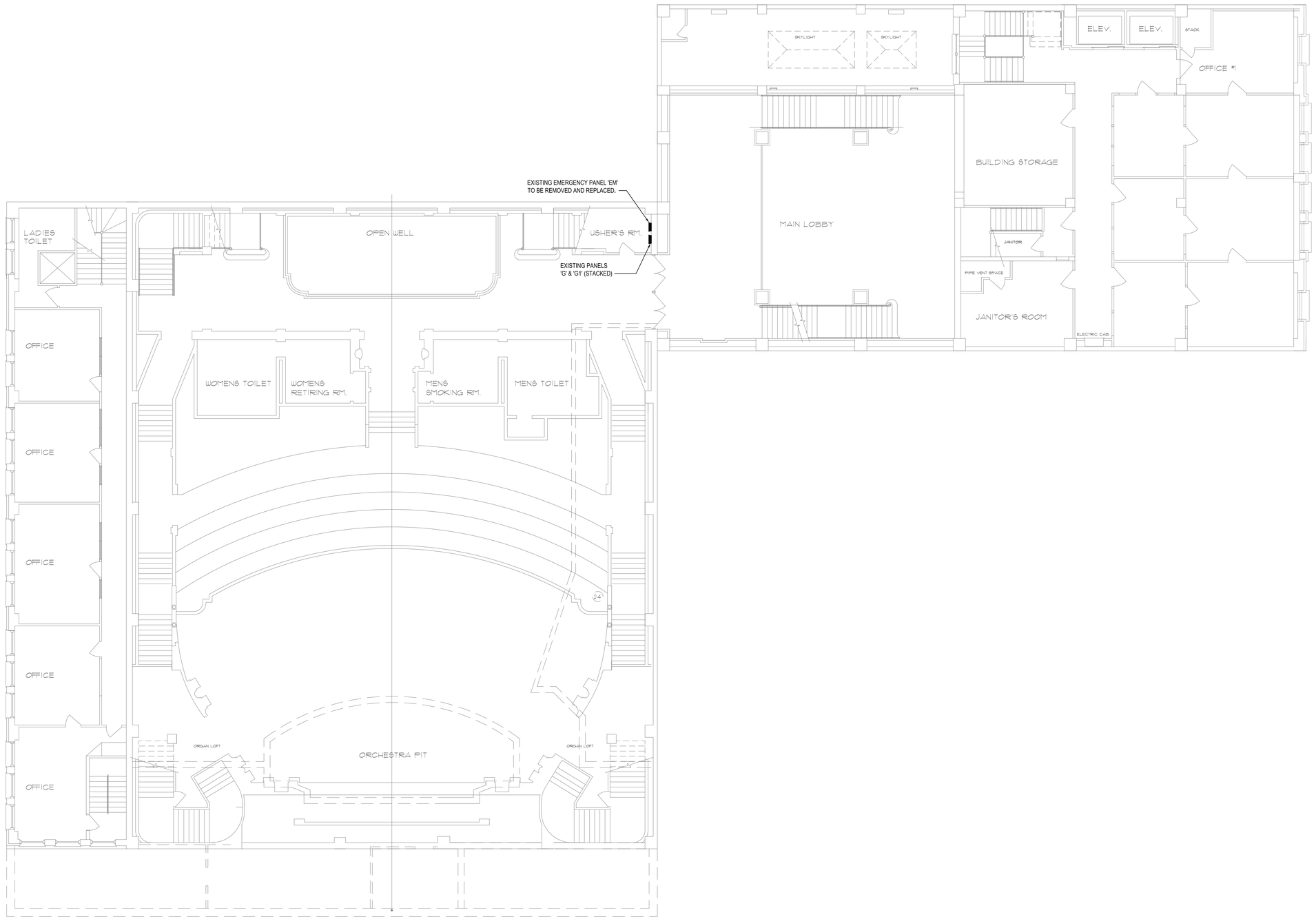
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents — DATE: 04/30/15

Drawing No.

E1.0



MEZZANINE LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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Tampa, Florida

Drawing Title
MEZZANINE LEVEL ELECTRICAL DEMOLITION PLAN

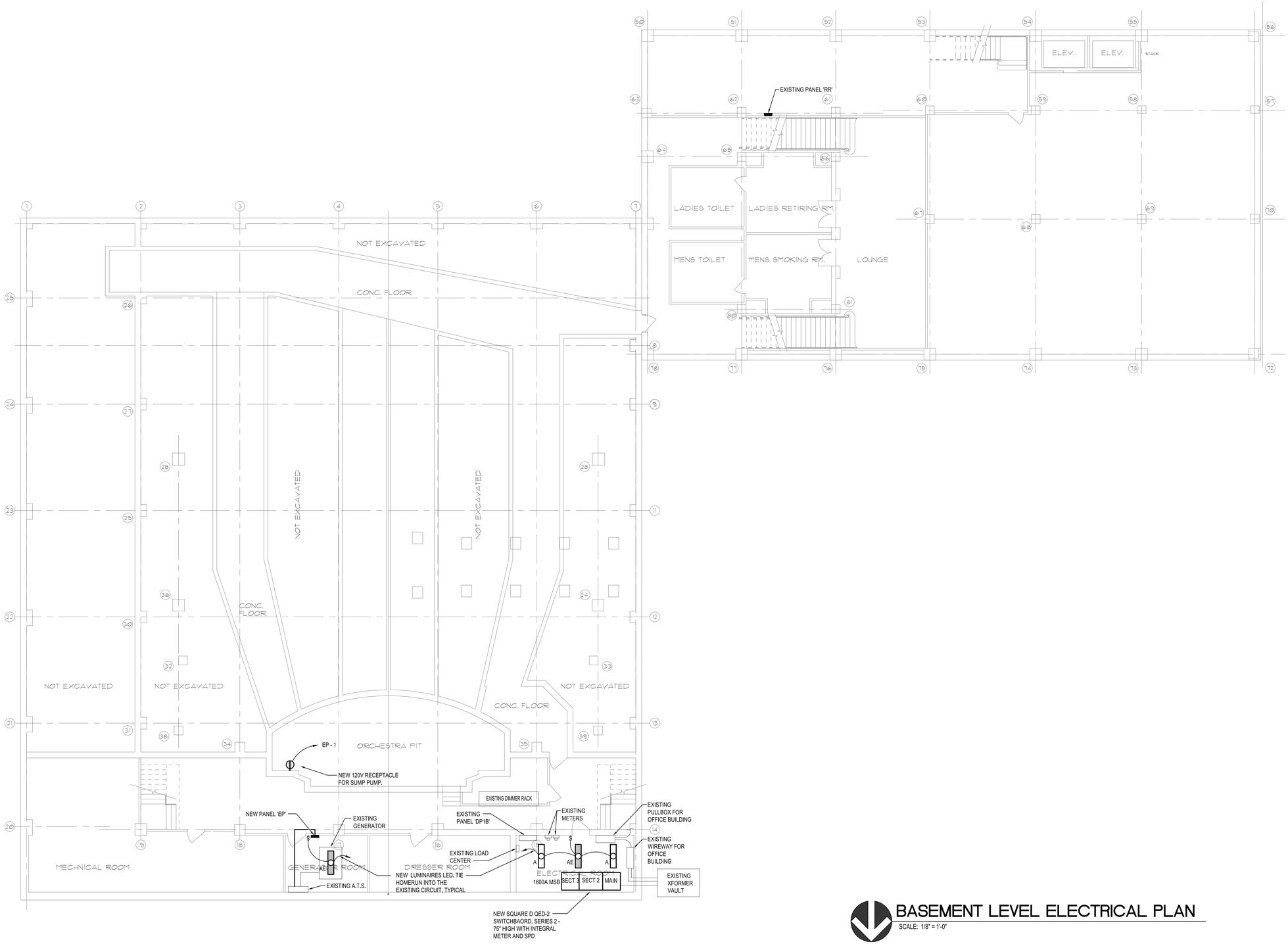
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E1.1



BASEMENT LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title

Basement Level
Electrical Plan

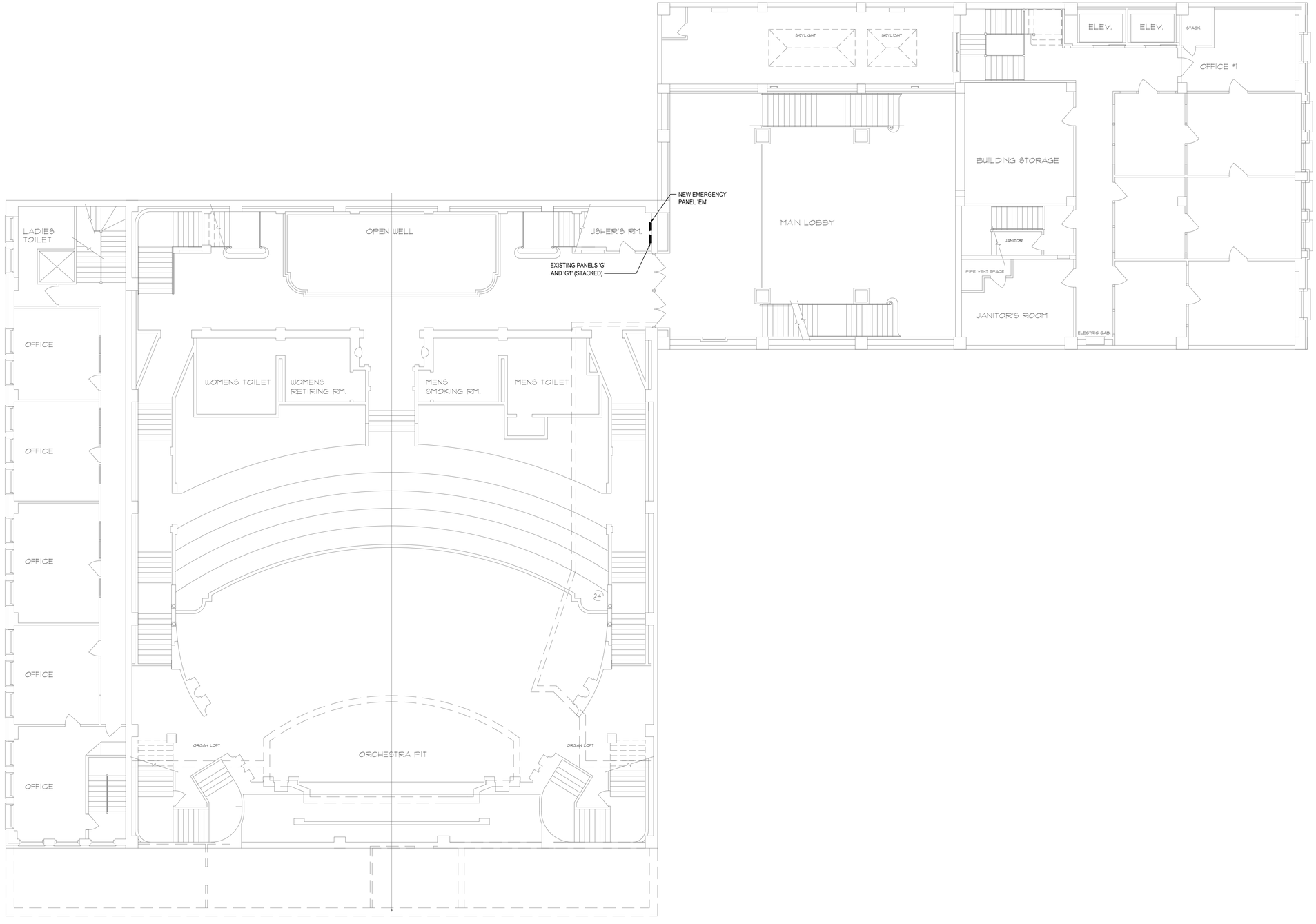
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E2.0



MEZZANINE LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

Filename: L:\2013-JOBS\13067-Tampa Theatre Electrical Services Upgrade\CAD\Constructs\Electrical\E2.1 Plot Date:5/6/2015 6:22 PM Plotted By:Derrious Robinson

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Project No. 13067

Tampa Theatre - Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title: MEZZANINE LEVEL ELECTRICAL PLAN

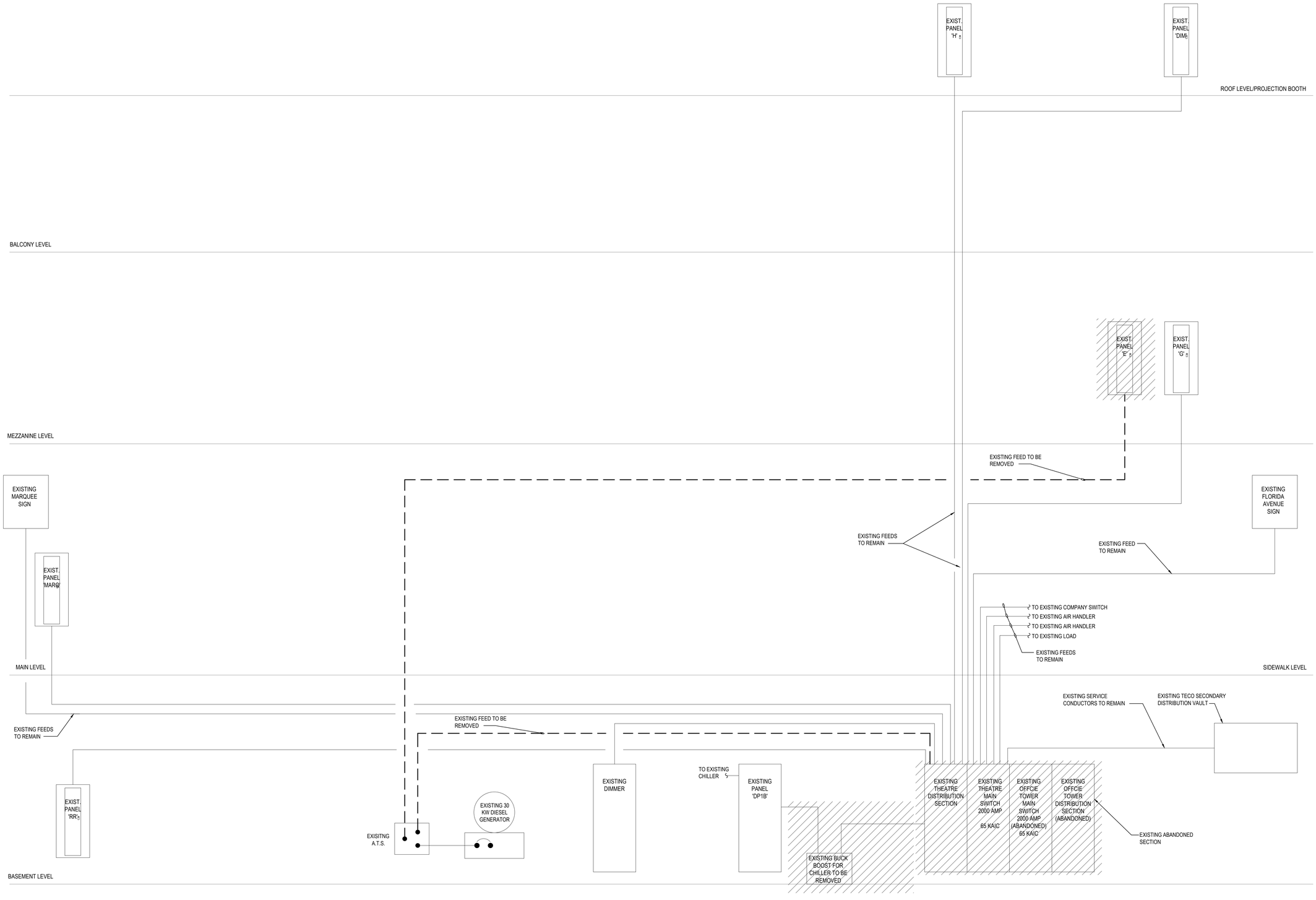
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E2.1



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COA 27158
Project No. 13067

Tampa Theatre - Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title

ELECTRICAL DEMOLITION RISER DIAGRAM

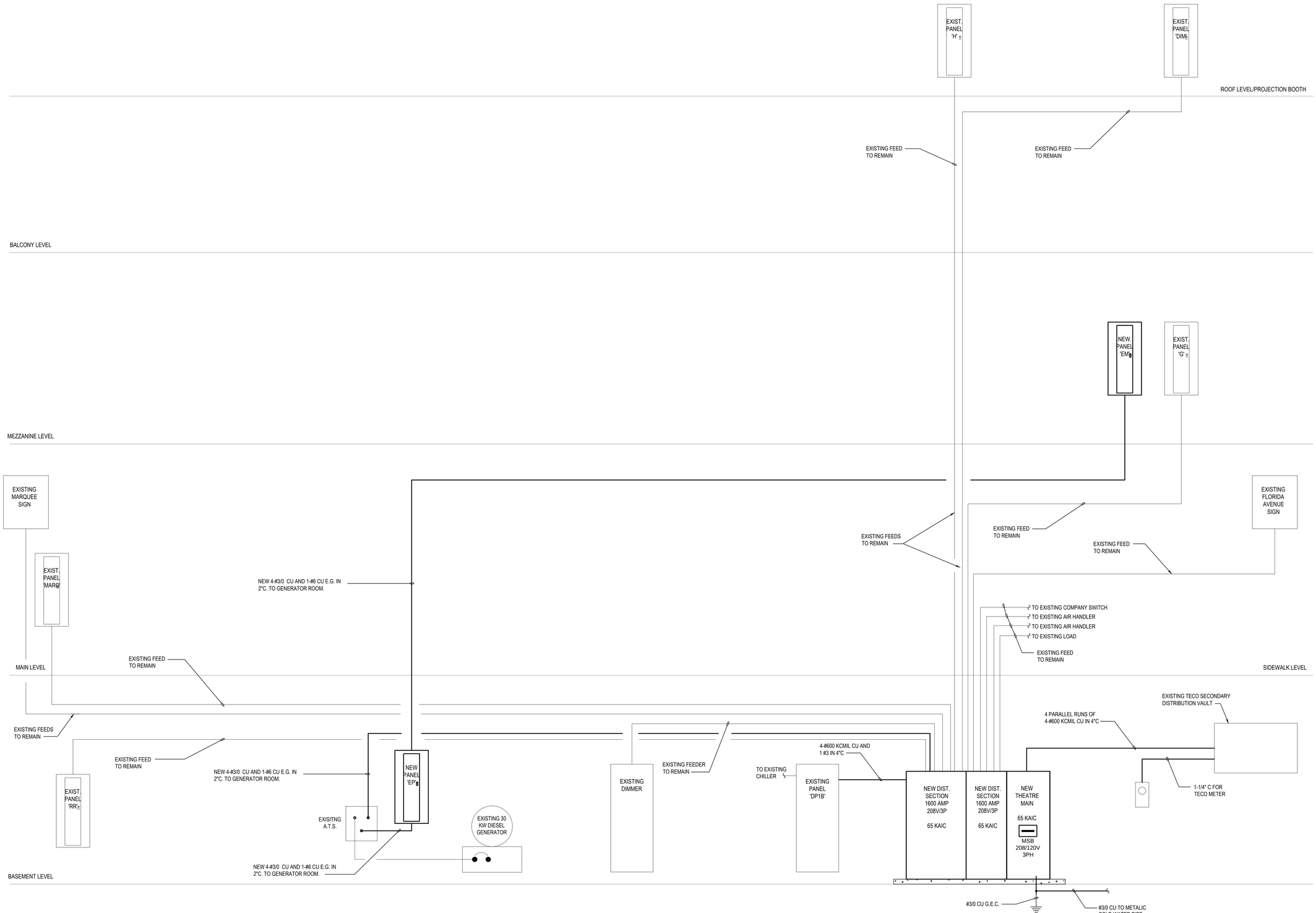
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E3.1



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COA 27158
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title

ELECTRICAL RISER DIAGRAM

No.	Description	Date

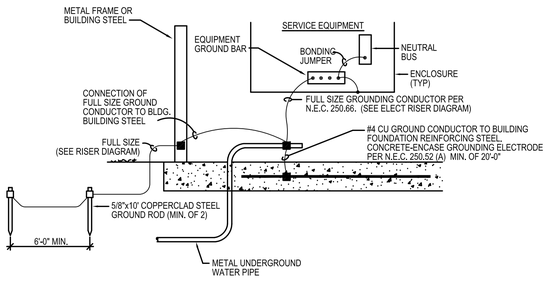
DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents — DATE: 04/30/15

Drawing No.

E3.2

Filename:L:\2013-JOBS\13067-Tampa Theatre Electrical Services Upgrade\CAD\Constructs\Electrical\E3.1-E3.2 Plot Date:5/6/2015 6:14 PM Plotted By:David Freeman



1 GROUNDING ELECTRODE SYSTEM

NTS

MAIN BREAKER: **1600** AMPS
SQUARE D QED
LABEL: ULSE

PANEL: **"MSB"**

BUS RATING: **1600** AMPS
AIC RATING: **65000** AMPS
STYLE: SWITCHBOARD 1

NOTES	CIRCUIT NUMBER	CIRCUIT DESIGNATION	NEMA 1 POLE	Voltage 120 FRAME	Voltage 208 TRIP	Mount Surface TYPE	FEEDER	CONDUIT	KVA	NOTES
	1	SPARE	3	600	400	PACTL				
	2	HVAC (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		23	2
	3	HVAC (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		23	2
	4	SCREEN (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		13	2
	5	PROJECTOR BOOTH DIMMER PANEL (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		38.4	2
	6	SPACE	3	600	400	PACTL				
	7	SPARE	3	150	100	PACTH				
	8	PANEL RR (EXISTING)	3	150	60	PACTH	SEE RISER DIAGRAM		6.5	2
	9	FLORIDA AVE. WING PANELS (EXISTING)	3	250	200	PACTJ	SEE RISER DIAGRAM		12.7	2
	10	PANEL 'H' (EXISTING)	3	250	225	PACTJ	SEE RISER DIAGRAM		65.5	2
	11	MARQUEE SIGN (EXISTING)	3	250	200	PACTJ	SEE RISER DIAGRAM		7.7	2
	12	PANEL 'G' (EXISTING)	3	250	225	PACTJ	SEE RISER DIAGRAM		42.5	2
	13	SPARE	3	250	200	PACTJ				
	14	PANEL EP (EXISTING)	2	250	200	PACTJ	SEE RISER DIAGRAM		23.3	2
	15	MARQUEE BOARD (EXISTING)	3	600	400	PACTJ	SEE RISER DIAGRAM		8.7	2
	16	SPARE	3	250	200	PACTJ				
	17	SPARE	3	250	200	PACTJ				
	18	SPARE	3	250	200	PACTJ				
	19	SPARE	3	150	100	PACTJ				
	20	SPARE	3	250	200	PACTJ				
	21	BREAKER (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		17	2
	22	CHILLER (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		87	2
	23	DIMMER BOARD (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		38.4	2
	24	SPARE	3	600		PACTL				
	25	SPARE	3	600		PACTL				
	26	SPARE	3	800	800	LH				
								TOTAL CONNECTED LOAD (KVA)	406.7	
								TOTAL DEMAND LOAD (KVA)	337.561	
								TOTAL CONNECTED LOAD AT 120/208V, 3PH	1,130.22 AMPS	
								TOTAL DEMAND LOAD AT 120/208V, 3PH	938.09 AMPS	

AVAILABLE FAULT CURRENT AT TRANSFORMER BUSHINGS IS LESS THAN 65,000 AIC.

NOTES:
1 NEW SQUARE D QED-2 SWITCHBOARD, SERIES 2 - 75" HIGH WITH INTEGRAL METER AND SPD.
2 RECONNECT EXISTING FEEDER TO NEW SWITCHBOARD. EXISTING FEEDERS MAY BE SPLICED.
3 PROVIDE WITH ISOLATED GROUND BUS BAR.

MAIN LUGS **YES**
NEW SQUARE D NQOD PANEL

PANEL **EP**

BUS RATING **200** AMPS
AIC RATING **22000** AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
							Phase 1	Circuit 30	Mount Surface	NEMA 1		Voltage 120	208		
1	1	SUMP PUMP	12	20	1	M	0.90	11.20	S	2	200	3/0	PANEL 'EM'	2	1
1	3	SPARE		20	1			11.20	S	2	30		SPARE	4	1
1	5	SPARE		20	1					2	30		SPARE	6	
1	7	SPARE		20	1								-------	8	
1	9	SPARE		20	1					2	30		SPARE	10	
1	11	SPARE		20	1								-------	12	
1	13	SPARE		20	1					2	40		SPARE	14	
1	15	SPARE											-------	16	
1	17	SPACE								2	40		SPARE	18	
1	19	SPACE											-------	20	
1	21	SPACE											SPACE	22	
1	23	SPACE											SPACE	24	
1	25	SPACE											SPACE	26	
1	27	SPACE											SPACE	28	
1	29	SPACE											SPACE	30	
				Phase kVA			12.100	11.200							
				Total kVA			23.300		Total Amps	112.02					
				Total Demand kVA			23.300		Dem Load Amps	64.75					

LIGHTING "L": 0.000 KVA @ 1.25 DF= 0.000 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.900 KVA, TOTAL + 25% OF LARGEST= 0.900 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 22.400 KVA @ 1.00 DF= 22.400 KVA

NOTES:
1 PROVIDE WITH FEED THROUGH LUGS.

MAIN LUGS **YES**
NEW SQUARE D NOOD PANEL

PANEL **EM**

BUS RATING **200** AMPS
AIC RATING **22000** AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
							Phase 1	Circuit 42	Mount Surface	NEMA 1		Voltage 120	208		
1	1	BASEMENT LOUNGE & STAIR LTGS	12	20	1	L	0.80	0.40	L	1	20	12	ENTRANCE FOYER WALL N.	2	1
1	3	LOBBY, LADIES RR LTGS	12	20	1	L		0.80	0.40	L	1	20	12	ENTRANCE FOYER WALL S.	4	1
1	5	LOBBY MEN RR LTGS	12	20	1	L	0.65	0.60	L	1	20	12	S. LOBBY WALL & HANGING STAIRS	6	1
1	7	MEZZ. MEN RR LTGS	12	20	1	L		0.65	0.60	L	1	20	12	N. LOBBY WALL & HANGING STAIRS	8	1
1	9	MEZZ. LADIES RR LTGS	12	20	1	L	0.65	0.90	L	1	20	12	HANGING STAIRS E. LOBBY CEILING	10	1
1	11	LOWER TUNNEL & EXIT W. SIDE	12	20	1	L		0.70	0.70	L	1	20	12	S/W BACKWALL AUD. WALL LTG	12	1
1	13	LOWER TUNNEL & EXIT E. SIDE	12	20	1	L	0.70	0.80	L	1	20	12	S/E BACKWALL AUD. STAIRS & EXIT	14	1
1	15	UPPER TUNNEL & GEN. RM	12	20	1	L		0.60	0.80	L	1	20	12	S/E BACKWALL AUD. STAIRS & EXIT	16	1
1	17	UPPER TUNNEL & BOOTH STEPS	12	20	1	L	0.60	0.70	L	1	20	12	MEZZ. CEILING LTGS	18	1
1	19	BAL. & ORCH. EXIT/WEST	12	20	1	L		0.40	0.90	L	1	20	12	MEZZ. CEILING LTGS	20	1
1	21	BAL. & ORCH. EXIT/EAST	12	20	1	L	0.40	0.40	L	1	20	12	ORCH. AISLE LTG/WEST	22	1
1	23	BAL. AISLE LTGS/BACK WALL SE	12	20	1	L		0.90	0.40	L	1	20	12	ORCH. AISLE LTG/EAST	24	1
1	25	BAL. AISLE LTGS/BACK WALL SW	12	20	1	L	0.80	0.40	L	1	20	12	ORCH. AISLE/CEILING	26	1
1	27	BOOTH & LOUNGE LITES	12	20	1	L		0.60		1	20		SPARE	28	1
1	29	W. WALL ORCH & LOBBY EXT SIGN	12	20	1	L	0.90			1	20		SPARE	30	1
1	31	BLUE NEON SOFFIT	12	20	1	L		0.50		1	20		SPARE	32	1
1	33	BLUE NEON ORCH. SOFFIT	12	20	1	L	0.50			1	20		SPARE	34	1
1	35	BLUE NEON ORCH. SOFFIT	12	20	1	L		0.50		1	20		SPARE	36	1
1	37	BLUE NEON ORCH. SOFFIT	12	20	1	L	0.50			1	20		SPARE	38	1
1	39	BLUE NEON ORCH. SOFFIT	12	20	1	L		0.50		1	20		SPARE	40	1
1	41	BLUE NEON ORCH. SOFFIT	12	20	1	L	0.50			1	20		SPARE	42	1
				Phase kVA			11.200	9.950							
				Total kVA			21.150		Total Amps	101.68					
				Total Demand kVA			26.438		Dem Load Amps	73.47					

LIGHTING "L": 21.150 KVA @ 1.25 DF= 26.438 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
1 RECONNECT EXISTING BRANCH CIRCUIT TO NEW PANELBOARD. EXTEND CONDUIT AND CONDCUTORS AS REQUIRED.

PANEL SCHEDULES		
MSB	EP	EM

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COA 27758
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title

PANEL SCHEDULES

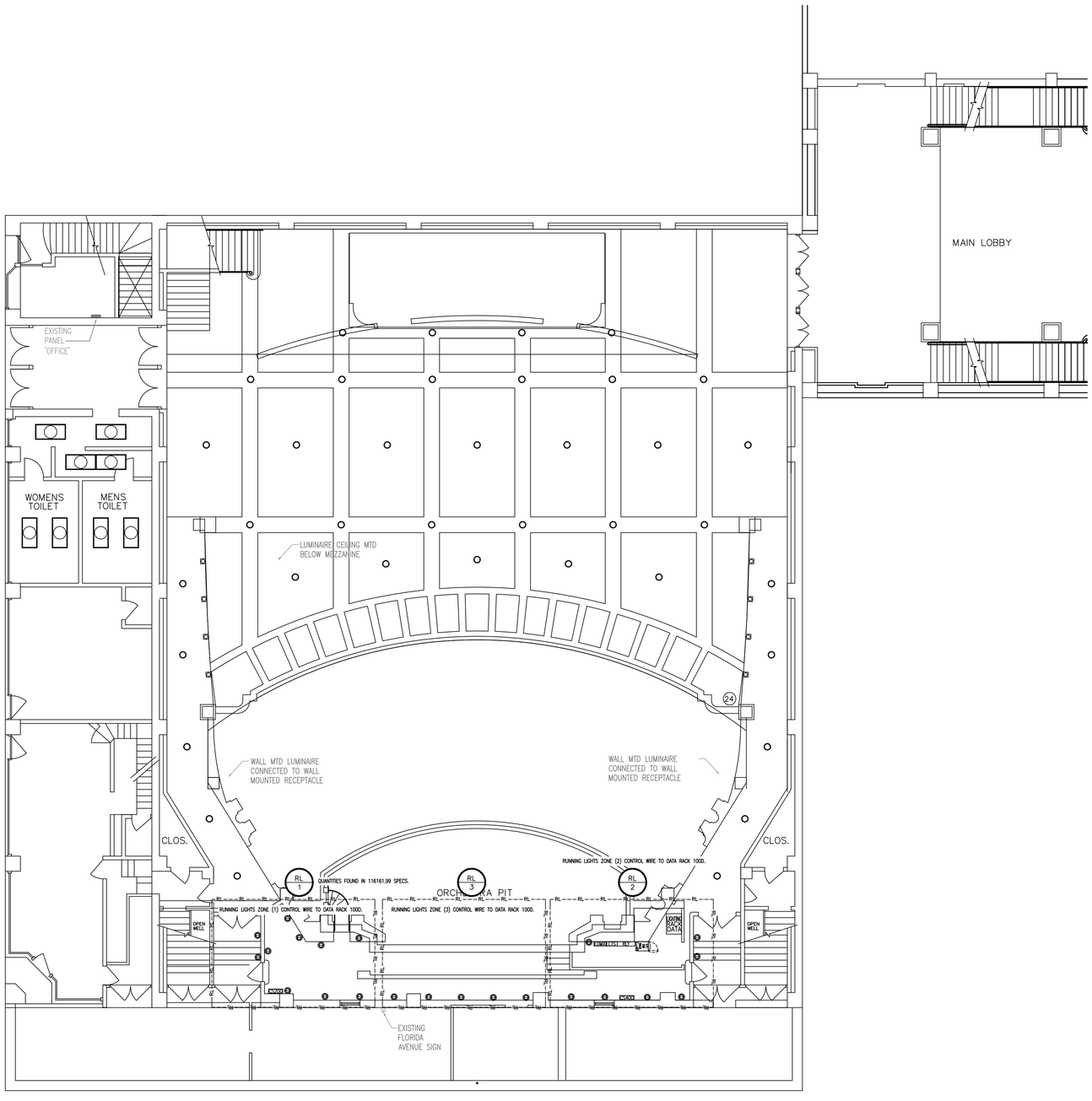
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

Drawing No.

E4.0



1 TAL01 BACKSTAGE RUNNING LIGHTS AND ZONES "BLUES"
SCALE: 1/8" = 1'-0"

GDS BLUES LV RUNNING LIGHT DOME WITH EYELID

SYMBOLS KEY:

DIV. 16 POWER & SIGNAL

NORMAL POWER / ISOLATED GROUND AND ISOLATED POWER

GENERAL SERVICE RECEPTACLE

WALL MOUNTED

- SINGLE: NEMA 5-20
- DUPLEX: NEMA 5-20
- QUAD: NEMA 5-20
- SPLIT WIRED DUPLEX
- SPLIT WIRED QUAD
- MOVING LIGHT: NEMA L6-20 20A 208V CONSTANT POWER
- SPECIAL: NEMA CODE IDENTIFIES VOLTAGE AND CONFIGURATION

FLOOR MOUNTED

- SINGLE
- DUPLEX
- QUAD
- SPLIT WIRED DUPLEX
- SPLIT WIRED QUAD
- SPECIAL

CEILING MOUNTED

- SINGLE
- DUPLEX
- QUAD
- SPLIT WIRED DUPLEX
- SPLIT WIRED QUAD
- SPECIAL

NEUTRIK POWERCON NAC 3 MPB – SAME SYMBOLS AS ABOVE WITH A P SUPERSCRIPT EXAMPLE:

OTHER POWER DEVICES

- DS 999 — DISCONNECT SWITCH — SWITCH NUMBER (TYPICAL)
- CS 999 — COMPANY SWITCH
- BD 999 — BUSS DUCT
- PB 999 — PANEL BOARD

SIGNAL DEVICES

- TELEPHONE & DATA JACK
- D DATA JACKS
- W WALL PHONE
- TV CATV

NOTE:
GENERAL SERVICE RECEPTACLES ARE SHOWN ONLY AS REQUIRED BY PERFORMANCE EQUIPMENT.
THE ELECTRICAL ENGINEER IS EXPECTED TO ADD RECEPTACLES TO MEET CODE REQUIREMENTS.
ISOLATED GROUND RECEPTACLES ARE TO BE ORANGE HOSPITAL GRADE RECEPTACLES.

METALLIC CONDUIT KEY

- L — L — LOW LEVEL
- M — M — M — M — MEDIUM LEVEL
- H — H — H — H — HIGH LEVEL
- O — O — O — O — OTHER LEVEL
- 110 — 110 — 110V – 480V
- SCR — SCR — 110V SCR

CONDUIT SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	12"	–	–	–
HIGH LEVEL	24"	12"	–	–
OTHER LEVEL	24"	12"	12"	–
110V–480V	36"	24"	12"	24"
110V SCR	48"	36"	24"	36"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NONMETALLIC CONDUIT SEPARATION REQUIREMENTS & FREE AIR CABLE KEY

- LF — LF — LOW LEVEL
- MF — MF — MEDIUM LEVEL
- HF — HF — HF — HIGH LEVEL
- OF — OF — OF — OTHER LEVEL
- SCF — SCF — 110V SCR – MULTICABLE

WIRE SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	18"	–	–	–
HIGH LEVEL	36"	18"	–	–
OTHER LEVEL	36"	18"	18"	–
110V–277V	54"	36"	18"	36"
110V SCR	72"	54"	36"	54"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

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COA 27158

Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation
Tampa, Florida

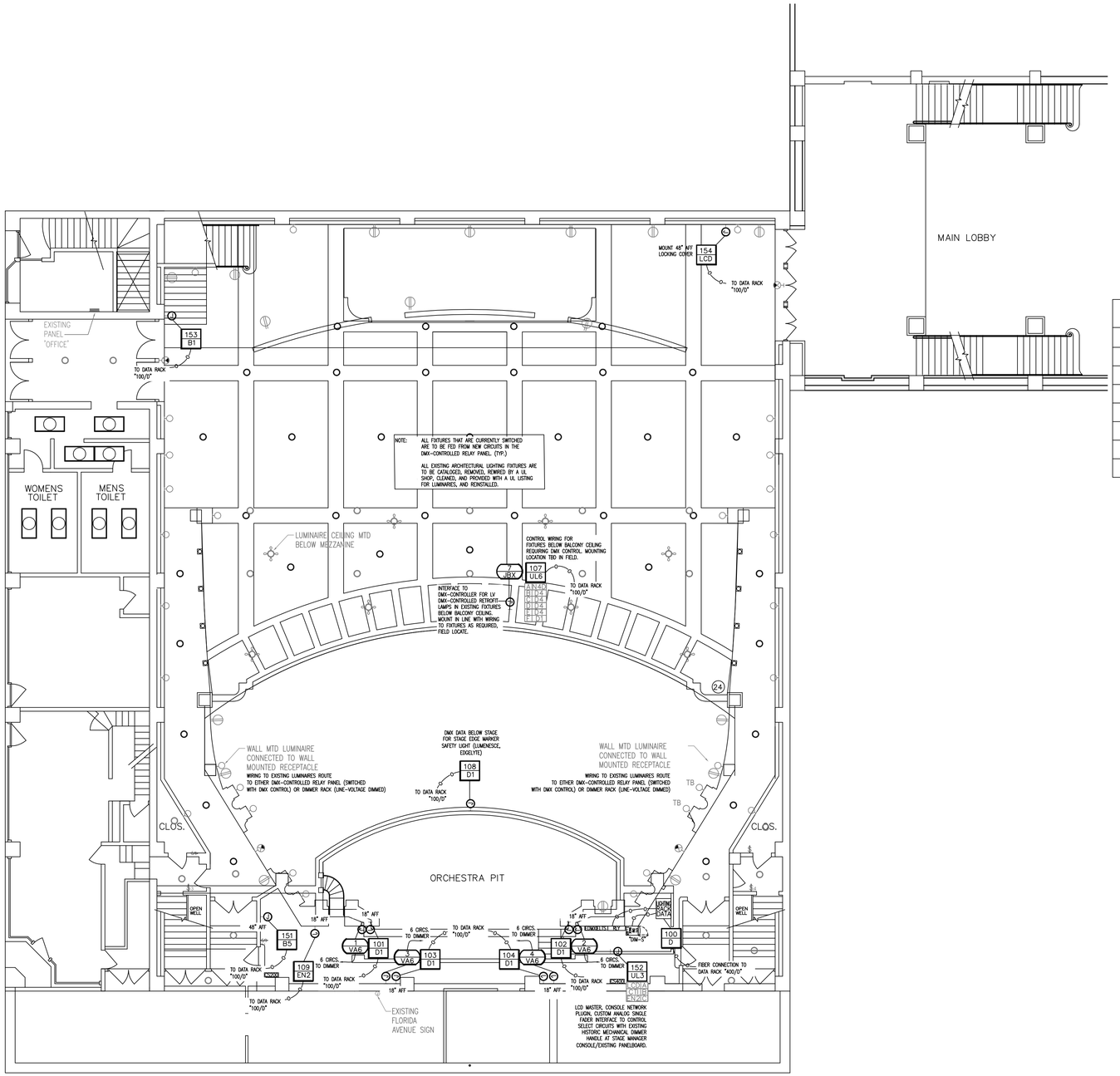
Drawing Title: BACKSTAGE RUNNING LIGHTS

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TAL01



1 TEG01 PERFORMANCE LIGHTING AND CONTROLS - FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

SYMBOLS KEY:
116161 – 116164

- 999 / XXX — BOX NUMBER; LIGHTING CIRCUIT BOX; FACEPLATE
- 999 / XXX / A,L,S — BOX NUMBER; LIGHTING CONTROL CIRCUIT BOX; FACEPLATE; OPTIONAL INCLUDED SERVICE; SERVICE CODE & CIRCUIT COUNT; SUBNUMBER
- DIMMER RACK
- ELEC RACK — EQUIPMENT RACK
- CONTROL CONSOLE — LIGHTING CONTROL BOARD
- THEATRICAL LIGHTING INSTRUMENT
- WALL MOUNT
- CEILING MOUNT
- FLOOR MOUNT

SYSTEM LEGEND		
SYSTEM		LEVEL
AR	ARCHITECTURAL LIGHTING	O - OTHER
B	ENTRY BUTTON	M - MEDIUM
D	DMX & ETHERNET	O - OTHER
E	ETHERNET	O - OTHER
F	FOCUS REMOTE	O - OTHER
PL	110V LIGHTING	V - 100 VOLT
PLV	PERF LIGHTING VIDEO	M - MEDIUM

Notes:

- Conduit 3/4" / 21mm unless otherwise noted.
- Electrical Contractor supplied backboxes 2 ½" deep unless otherwise noted.
- Field ganged gangable boxes are not acceptable.
- Where 1 gang flush mounted back boxes are required employ 2 gang back boxes with reducer rings.
- For surface mount conditions employ cast boxes.
- Control wire and cable is provided by Performance Lighting Control (PLC) contractor.
- Wire and cable carrying more than 100V provided by Electrical Contractor including all terminations.
- Power from the breakers to the electronics racks is provided by Electrical Contractor and terminated in the electronics racks by PLC contractor.
- Power in the electronics racks is provided by PLC contractor.
- Dimmer racks, relay panels, motorized breaker panels and company switches are supplied by PLC and installed by Electrical Contractor.
- Back boxes are supplied by PLC contractor unless otherwise noted, except of "Gang" boxes which are supplied by the Electrical Contractor. All back boxes are installed by the Electrical Contractor.
- Conduit with pull lines is provided by Electrical Contractor.
- Control faceplates are provided by PLC contractor. Faceplates with terminations above 100V are supplied by PLC contractor to Electrical Contractor for installation by Electrical Contractor.

NOTES:
ALL XXX / XXX RUN TO 100 / D OR 400 / D VIA ¾" CONDUIT UNLESS OTHERWISE NOTED.
UNLESS OTHERWISE NOTED LOW VOLTAGE CONDUIT RUNS XXX / XXX MUST BE UNDER 250'. USE FIBER WHERE NOTED.

ALL (XXX / XXX) RUN TO DIMMER RACK, RELAY PANEL, OR MOTORIZED BREAKER PANEL AS NOTED.

WIRE AND CONDUIT SIZE AS PER ENGINEERING DOCUMENTS. EACH CIRCUIT REQUIRES A DEDICATED NEUTRAL WIRE. ALL CIRCUITS ARE FULLY RATED.

"GANG" BACK BOXES ARE A MINIMUM OF 3" DEEP.

SEE SCHEDULE 11961-BL ON TEG100 BACKBOX TYPE, MOUNTING CONDITIONS, NUMBER OF CIRCUITS (ON SCR LOADS), ETC.

SEE ELECTRICAL DOCUMENTS FOR ENGINEERING INFORMATION.

CIRCUITS 1 – 96 TERMINATE AT DIMMER RACKS.
CIRCUITS 97 AND ABOVE TERMINATE AT DMX DRIVEN MOTORIZED BREAKER/RELAY PANELS.
SEE ELECTRICAL ENGINEERING DOCUMENTS FOR DETAILS AND OTHER SCHEDULES.

METALLIC CONDUIT KEY

- L — LOW LEVEL
- M — M — M — MEDIUM LEVEL
- H — H — H — HIGH LEVEL
- O — O — O — OTHER LEVEL
- 110 — 110 — 110V – 480V
- SCR — SCR — 110V SCR

CONDUIT SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	12"	–	–	–
HIGH LEVEL	24"	12"	–	–
OTHER LEVEL	24"	12"	12"	–
110V–480V	36"	24"	12"	24"
110V SCR	48"	36"	24"	36"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NONMETALLIC CONDUIT SEPARATION REQUIREMENTS & FREE AIR CABLE KEY

- LF — LOW LEVEL
- MF — MF — MF — MEDIUM LEVEL
- HF — HF — HF — HIGH LEVEL
- OF — OF — OF — OTHER LEVEL
- SCF — SCF — 110V SCR – MULTICABLE

WIRE SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	18"	–	–	–
HIGH LEVEL	36"	18"	–	–
OTHER LEVEL	36"	18"	18"	–
110V–277V	54"	36"	18"	36"
110V SCR	72"	54"	36"	54"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

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COA 27158
Project No. 01.15.017

Tampa Theatre – Theatrical Lighting
Upgrade and Renovation
Tampa, Florida

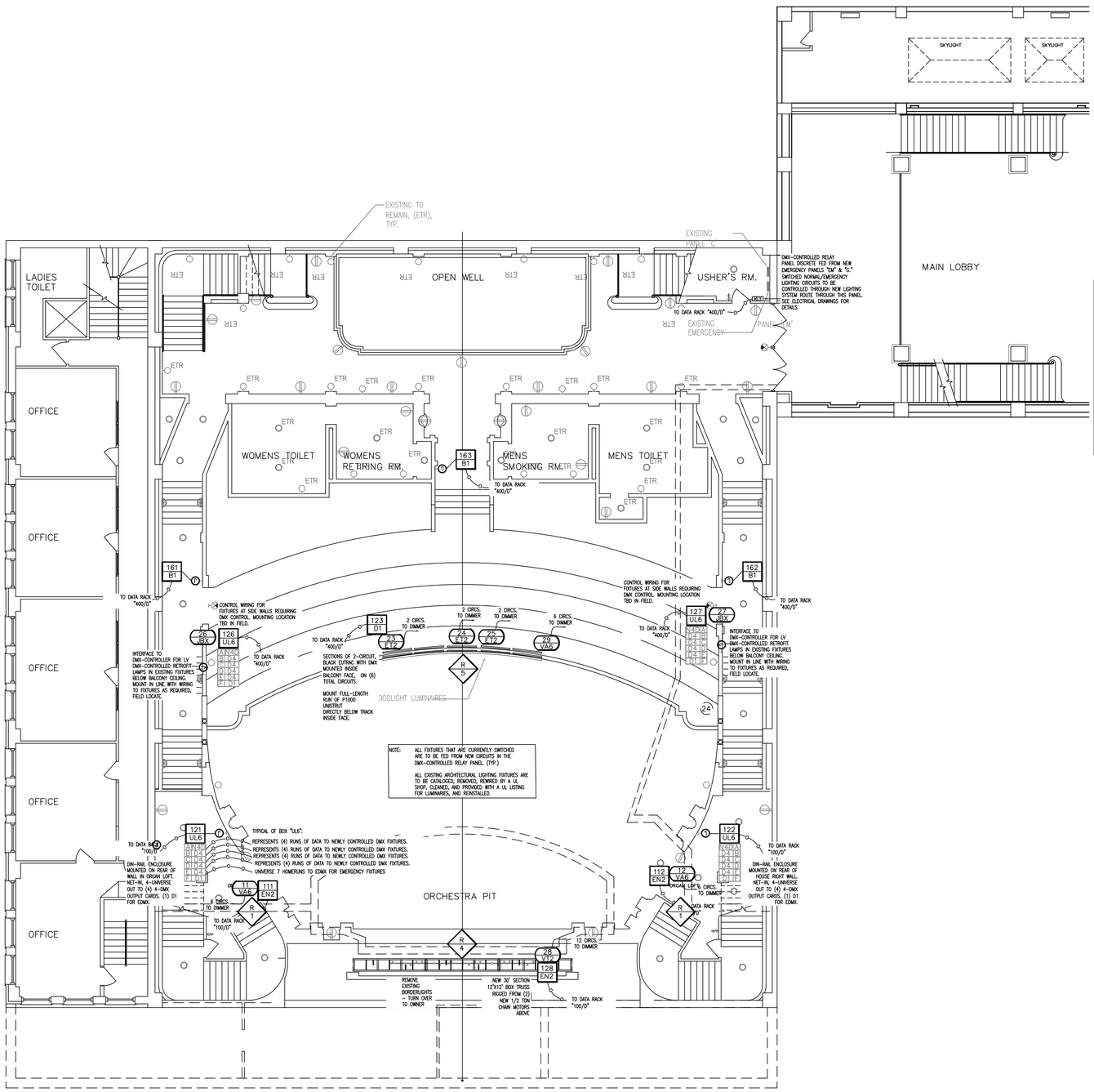
Drawing Title: PERFORMANCE LIGHTING AND CONTROLS
1ST FLOOR PLAN

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TEG01



1 PERFORMANCE LIGHTING AND CONTROLS - 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

SYMBOLS KEY:
116161 – 116164

- BOX NUMBER / LIGHTING CIRCUIT BOX / FACEPLATE
- BOX NUMBER / LIGHTING CONTROL CIRCUIT BOX / FACEPLATE / OPTIONAL INCLUDED SERVICE / SERVICE CODE & CIRCUIT COUNT / SUBNUMBER
- DIMMER RACK
- EQUIPMENT RACK
- LIGHTING CONTROL BOARD
- THEATRICAL LIGHTING INSTRUMENT
  - WALL MOUNT
  - CEILING MOUNT
  - FLOOR MOUNT

SYSTEM LEGEND		
SYSTEM		LEVEL
AR	ARCHITECTURAL LIGHTING	O - OTHER
B	ENTRY BUTTON	M - MEDIUM
D	DMX & ETHERNET	O - OTHER
E	ETHERNET	O - OTHER
F	FOCUS REMOTE	O - OTHER
PL	110V LIGHTING	V - 100 VOLT
PLV	PERF LIGHTING VIDEO	M - MEDIUM

Notes:

- Conduit 3/4" / 21mm unless otherwise noted.
- Electrical Contractor supplied backboxes 2 ½" deep unless otherwise noted.
- Field ganged gangable boxes are not acceptable.
- Where 1 gang flush mounted back boxes are required employ 2 gang back boxes with reducer rings.
- For surface mount conditions employ cast boxes.
- Control wire and cable is provided by Performance Lighting Control (PLC) contractor.
- Wire and cable carrying more than 100V provided by Electrical Contractor including all terminations.
- Power from the breakers to the electronics racks is provided by Electrical Contractor and terminated in the electronics racks by PLC contractor.
- Power in the electronics racks is provided by PLC contractor.
- Dimmer racks, relay panels, motorized breaker panels and company switches are supplied by PLC and installed by Electrical Contractor.
- Back boxes are supplied by PLC contractor unless otherwise noted, except of "Gang" boxes which are supplied by the Electrical Contractor. All back boxes are installed by the Electrical Contractor.
- Conduit with pull lines is provided by Electrical Contractor.
- Control faceplates are provided by PLC contractor. Faceplates with terminations above 100V are supplied by PLC contractor to Electrical Contractor for installation by Electrical Contractor.

NOTES:

ALL [XXX / XXX] RUN TO [100 / D] OR [400 / D] VIA ¾" CONDUIT UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE NOTED LOW VOLTAGE CONDUIT RUNS [XXX / XXX] MUST BE UNDER 250'. USE FIBER WHERE NOTED.

ALL [XXX / XXX] RUN TO DIMMER RACK, RELAY PANEL, OR MOTORIZED BREAKER PANEL AS NOTED.

WIRE AND CONDUIT SIZE AS PER ENGINEERING DOCUMENTS. EACH CIRCUIT REQUIRES A DEDICATED NEUTRAL WIRE. ALL CIRCUITS ARE FULLY RATED.

"GANG" BACK BOXES ARE A MINIMUM OF 3" DEEP.

SEE SCHEDULE 11961-BL ON TEG100 BACKBOX TYPE, MOUNTING CONDITIONS, NUMBER OF CIRCUITS (ON SCR LOADS), ETC.

SEE ELECTRICAL DOCUMENTS FOR ENGINEERING INFORMATION.

CIRCUITS 1 – 96 TERMINATE AT DIMMER RACKS.
CIRCUITS 97 AND ABOVE TERMINATE AT DMX DRIVEN MOTORIZED BREAKER/RELAY PANELS.
SEE ELECTRICAL ENGINEERING DOCUMENTS FOR DETAILS AND OTHER SCHEDULES.

METALLIC CONDUIT KEY

- L — LOW LEVEL
- M — M — M — MEDIUM LEVEL
- H — H — H — HIGH LEVEL
- O — O — O — OTHER LEVEL
- 110 — 110 — 110V – 480V
- SCR — 110V SCR

CONDUIT SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	12"	–	–	–
HIGH LEVEL	24"	12"	–	–
OTHER LEVEL	24"	12"	12"	–
110V–480V	36"	24"	12"	24"
110V SCR	48"	36"	24"	36"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NONMETALLIC CONDUIT SEPARATION REQUIREMENTS & FREE AIR CABLE KEY

- LF — LOW LEVEL
- MF — MF — MEDIUM LEVEL
- HF — HF — HIGH LEVEL
- OF — OF — OTHER LEVEL
- SCF — SCF — 110V SCR – MULTICABLE

WIRE SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	18"	–	–	–
HIGH LEVEL	36"	18"	–	–
OTHER LEVEL	36"	18"	18"	–
110V–277V	54"	36"	18"	36"
110V SCR	72"	54"	36"	54"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

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Project No. 01.15.017

Tampa Theatre – Theatrical Lighting
Upgrade and Renovation
Tampa, Florida

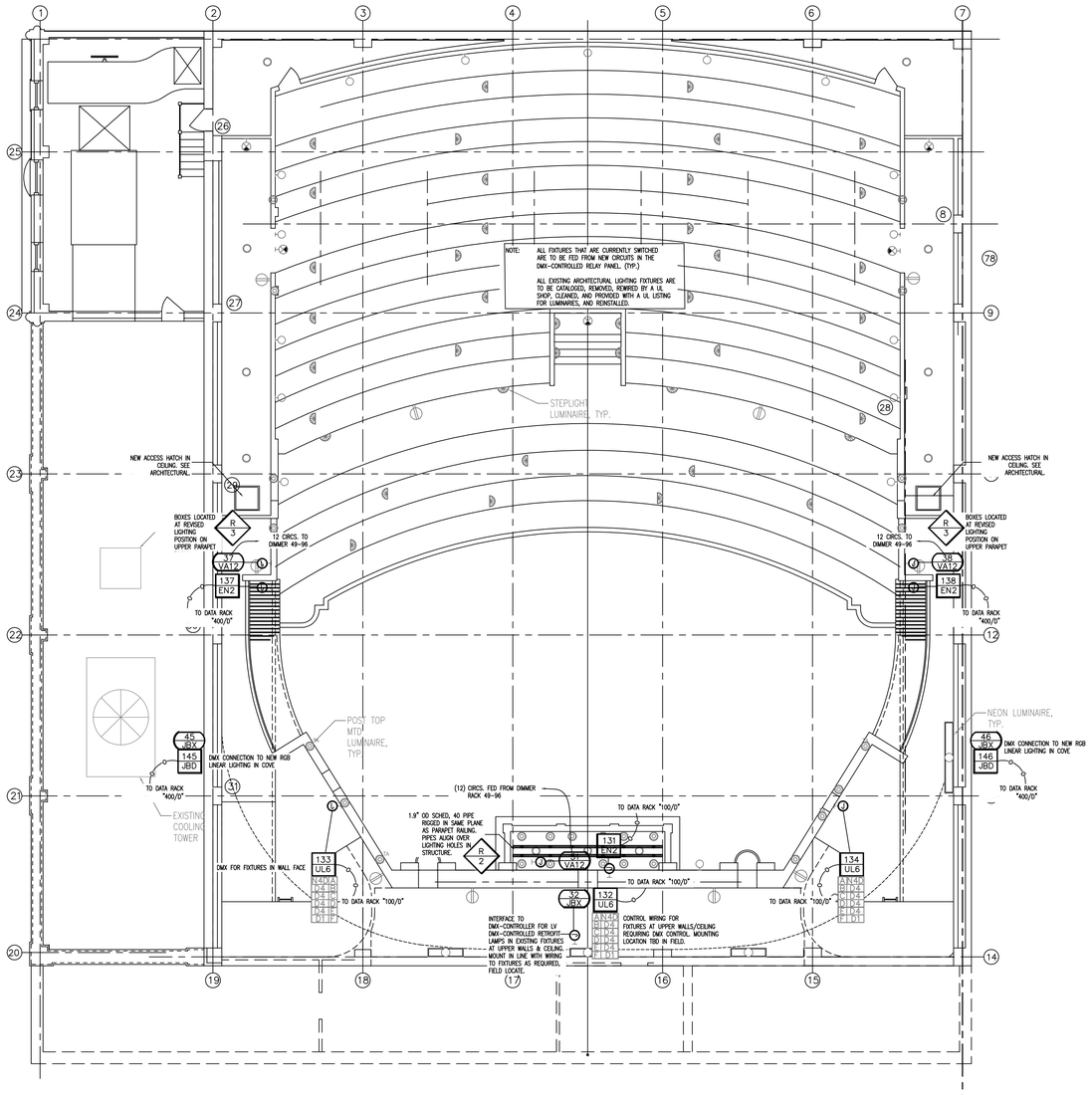
Drawing Title: PERFORMANCE LIGHTING AND CONTROLS
2ND FLOOR PLAN

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TEG02



1 T0500 PERFORMANCE LIGHTING AND CONTROLS - 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

SYMBOLS KEY:
116161 – 116164

- BOX NUMBER
- LIGHTING CIRCUIT BOX
- FACEPLATE
- BOX NUMBER
- LIGHTING CONTROL CIRCUIT BOX
- FACEPLATE
- OPTIONAL INCLUDED SERVICE
- SERVICE CODE & CIRCUIT COUNT
- SUBNUMBER
- DIMMER RACK
- EQUIPMENT RACK
- LIGHTING CONTROL BOARD
- THEATRICAL LIGHTING INSTRUMENT
- WALL MOUNT
- CEILING MOUNT
- FLOOR MOUNT

SYSTEM LEGEND		
SYSTEM		LEVEL
AR	ARCHITECTURAL LIGHTING	O - OTHER
B	ENTRY BUTTON	M - MEDIUM
D	DMX & ETHERNET	O - OTHER
E	ETHERNET	O - OTHER
F	FOCUS REMOTE	O - OTHER
PL	110V LIGHTING	V - 100 VOLT
PLV	PERF LIGHTING VIDEO	M - MEDIUM

Notes:

- Conduit 3/4" / 21mm unless otherwise noted.
- Electrical Contractor supplied backboxes 2 ½" deep unless otherwise noted.
- Field ganged gangable boxes are not acceptable.
- Where 1 gang flush mounted back boxes are required employ 2 gang back boxes with reducer rings.
- For surface mount conditions employ cast boxes.
- Control wire and cable is provided by Performance Lighting Control (PLC) contractor.
- Wire and cable carrying more than 100V provided by Electrical Contractor including all terminations.
- Power from the breakers to the electronics racks is provided by Electrical Contractor and terminated in the electronics racks by PLC contractor.
- Power in the electronics racks is provided by PLC contractor.
- Dimmer racks, relay panels, motorized breaker panels and company switches are supplied by PLC and installed by Electrical Contractor.
- Back boxes are supplied by PLC contractor unless otherwise noted, except of "Gang" boxes which are supplied by the Electrical Contractor. All back boxes are installed by the Electrical Contractor.
- Conduit with pull lines is provided by Electrical Contractor.
- Control faceplates are provided by PLC contractor. Faceplates with terminations above 100V are supplied by PLC contractor to Electrical Contractor for installation by Electrical Contractor.

METALLIC CONDUIT KEY

- L — LOW LEVEL
- M — M — M — MEDIUM LEVEL
- H — H — H — HIGH LEVEL
- O — O — O — OTHER LEVEL
- 110 — 110 — 110V – 480V
- SCR — SCR — 110V SCR

CONDUIT SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	12"	–	–	–
HIGH LEVEL	24"	12"	–	–
OTHER LEVEL	24"	12"	12"	–
110V–480V	36"	24"	12"	24"
110V SCR	48"	36"	24"	36"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NONMETALLIC CONDUIT SEPARATION REQUIREMENTS & FREE AIR CABLE KEY

- LF — LOW LEVEL
- MF — MF — MEDIUM LEVEL
- HF — HF — HIGH LEVEL
- OF — OF — OTHER LEVEL
- SCF — SCF — 110V SCR – MULTICABLE

WIRE SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	18"	–	–	–
HIGH LEVEL	36"	18"	–	–
OTHER LEVEL	36"	18"	18"	–
110V–277V	54"	36"	18"	36"
110V SCR	72"	54"	36"	54"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NOTES:
ALL [XXX / XXX] RUN TO [100 / D] OR [400 / D] VIA ¾" CONDUIT UNLESS OTHERWISE NOTED.
UNLESS OTHERWISE NOTED LOW VOLTAGE CONDUIT RUNS [XXX / XXX] MUST BE UNDER 250'. USE FIBER WHERE NOTED.

ALL [XXX / XXX] RUN TO DIMMER RACK, RELAY PANEL, OR MOTORIZED BREAKER PANEL AS NOTED.

WIRE AND CONDUIT SIZE AS PER ENGINEERING DOCUMENTS. EACH CIRCUIT REQUIRES A DEDICATED NEUTRAL WIRE. ALL CIRCUITS ARE FULLY RATED.

"GANG" BACK BOXES ARE A MINIMUM OF 3" DEEP.

SEE SCHEDULE 11961-BL ON TEG100 BACKBOX TYPE, MOUNTING CONDITIONS, NUMBER OF CIRCUITS (ON SCR LOADS), ETC.

SEE ELECTRICAL DOCUMENTS FOR ENGINEERING INFORMATION.

CIRCUITS 1 – 96 TERMINATE AT DIMMER RACKS.
CIRCUITS 97 AND ABOVE TERMINATE AT DMX DRIVEN MOTORIZED BREAKER/RELAY PANELS.
SEE ELECTRICAL ENGINEERING DOCUMENTS FOR DETAILS AND OTHER SCHEDULES.

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Project No. 0115.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation

Tampa, Florida

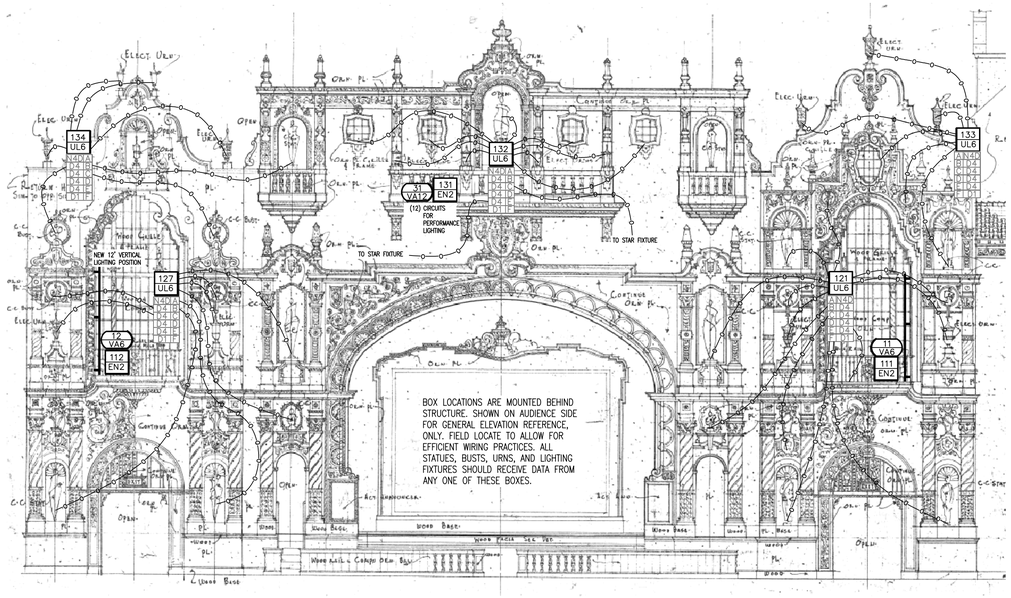
Drawing Title: PERFORMANCE LIGHTING AND CONTROLS 3RD FLOOR PLAN

No.	Description	Date

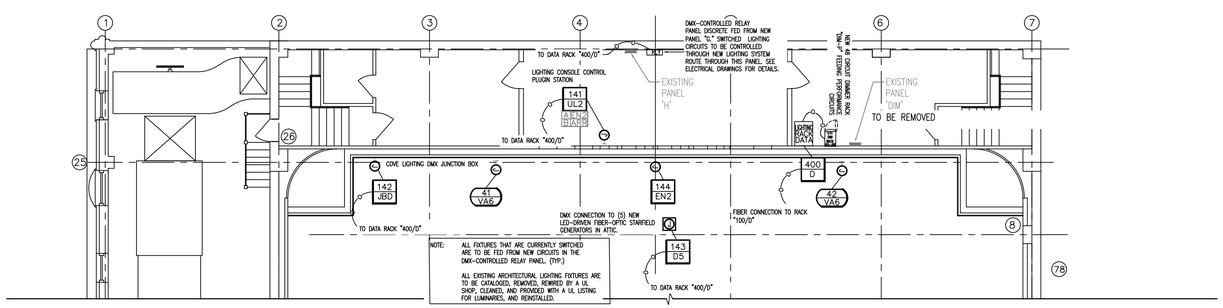
DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TEG03



2 PERFORMANCE LIGHTING AND CONTROLS - PROSCENIUM ELEVATION
SCALE: 1/8" = 1'-0" (APPROXIMATE, GIVEN 1926 SCANNED DRAWING)



1 PERFORMANCE LIGHTING AND CONTROLS - 4TH FLOOR/BOOTH PLAN
SCALE: 1/8" = 1'-0"

SYMBOLS KEY:

116161 – 116164

- 999 / XXX — BOX NUMBER; LIGHTING CIRCUIT BOX; FACEPLATE
- 999 / XXX / A1 — BOX NUMBER; LIGHTING CONTROL CIRCUIT BOX; FACEPLATE; OPTIONAL INCLUDED SERVICE; SERVICE CODE & CIRCUIT COUNT; SUBNUMBER
- DIMMER RACK
- ELEC RACK — EQUIPMENT RACK
- CONTROL CONSOLE — LIGHTING CONTROL BOARD
- THEATRICAL LIGHTING INSTRUMENT
- (W) WALL MOUNT
- (C) CEILING MOUNT
- (F) FLOOR MOUNT

SYSTEM LEGEND		
SYSTEM		LEVEL
AR	ARCHITECTURAL LIGHTING	O - OTHER
B	ENTRY BUTTON	M - MEDIUM
D	DMX & ETHERNET	O - OTHER
E	ETHERNET	O - OTHER
F	FOCUS REMOTE	O - OTHER
PL	110V LIGHTING	V - 100 VOLT
PLV	PERF LIGHTING VIDEO	M - MEDIUM

Notes:

- Conduit 3/4" / 21mm unless otherwise noted.
- Electrical Contractor supplied backboxes 2 ½" deep unless otherwise noted.
- Field ganged gangable boxes are not acceptable.
- Where 1 gang flush mounted back boxes are required employ 2 gang back boxes with reducer rings.
- For surface mount conditions employ cast boxes.
- Control wire and cable is provided by Performance Lighting Control (PLC) contractor.
- Wire and cable carrying more than 100V provided by Electrical Contractor including all terminations.
- Power from the breakers to the electronics racks is provided by Electrical Contractor and terminated in the electronics racks by PLC contractor.
- Power in the electronics racks is provided by PLC contractor.
- Dimmer racks, relay panels, motorized breaker panels and company switches are supplied by PLC and installed by Electrical Contractor.
- Back boxes are supplied by PLC contractor unless otherwise noted, except of "Gang" boxes which are supplied by the Electrical Contractor. All back boxes are installed by the Electrical Contractor.
- Conduit with pull lines is provided by Electrical Contractor.
- Control faceplates are provided by PLC contractor. Faceplates with terminations above 100V are supplied by PLC contractor to Electrical Contractor for installation by Electrical Contractor.

NOTES:

ALL XXX/XXX RUN TO 100/D OR 400/D VIA ¾" CONDUIT UNLESS OTHERWISE NOTED.
UNLESS OTHERWISE NOTED LOW VOLTAGE CONDUIT RUNS XXX/XXX MUST BE UNDER 250'. USE FIBER WHERE NOTED.

ALL XXX/XXX RUN TO DIMMER RACK, RELAY PANEL, OR MOTORIZED BREAKER PANEL AS NOTED.

WIRE AND CONDUIT SIZE AS PER ENGINEERING DOCUMENTS. EACH CIRCUIT REQUIRES A DEDICATED NEUTRAL WIRE. ALL CIRCUITS ARE FULLY RATED.

"GANG" BACK BOXES ARE A MINIMUM OF 3" DEEP.

SEE SCHEDULE 11961-BL ON TEG100 BACKBOX TYPE, MOUNTING CONDITIONS, NUMBER OF CIRCUITS (ON SCR LOADS), ETC.

SEE ELECTRICAL DOCUMENTS FOR ENGINEERING INFORMATION.

CIRCUITS 1 – 96 TERMINATE AT DIMMER RACKS.
CIRCUITS 97 AND ABOVE TERMINATE AT DMX DRIVEN MOTORIZED BREAKER/RELAY PANELS.
SEE ELECTRICAL ENGINEERING DOCUMENTS FOR DETAILS AND OTHER SCHEDULES.

METALLIC CONDUIT KEY

- L — LOW LEVEL
- M — M — M — MEDIUM LEVEL
- H — H — H — HIGH LEVEL
- O — O — O — OTHER LEVEL
- 110 — 110 — 110V – 480V
- SCR — SCR — 110V SCR

CONDUIT SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	12"	–	–	–
HIGH LEVEL	24"	12"	–	–
OTHER LEVEL	24"	12"	12"	–
110V–480V	36"	24"	12"	24"
110V SCR	48"	36"	24"	36"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

NONMETALLIC CONDUIT SEPARATION REQUIREMENTS & FREE AIR CABLE KEY

- LF — LOW LEVEL
- MF — MF — MEDIUM LEVEL
- HF — HF — HIGH LEVEL
- OF — OF — OTHER LEVEL
- SCF — SCF — 110V SCR – MULTICABLE

WIRE SEPARATION REQUIREMENTS	LOW LEVEL	MEDIUM LEVEL	HIGH LEVEL	OTHER LEVEL
MEDIUM LEVEL	18"	–	–	–
HIGH LEVEL	36"	18"	–	–
OTHER LEVEL	36"	18"	18"	–
110V–277V	54"	36"	18"	36"
110V SCR	72"	54"	36"	54"
WATER PIPE	6"	6"	6"	6"
DUCT & HEAT SOURCE	12"	12"	12"	12"

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Project No. 0115.017

Tampa Theatre – Theatrical Lighting
Upgrade and Renovation
Tampa, Florida

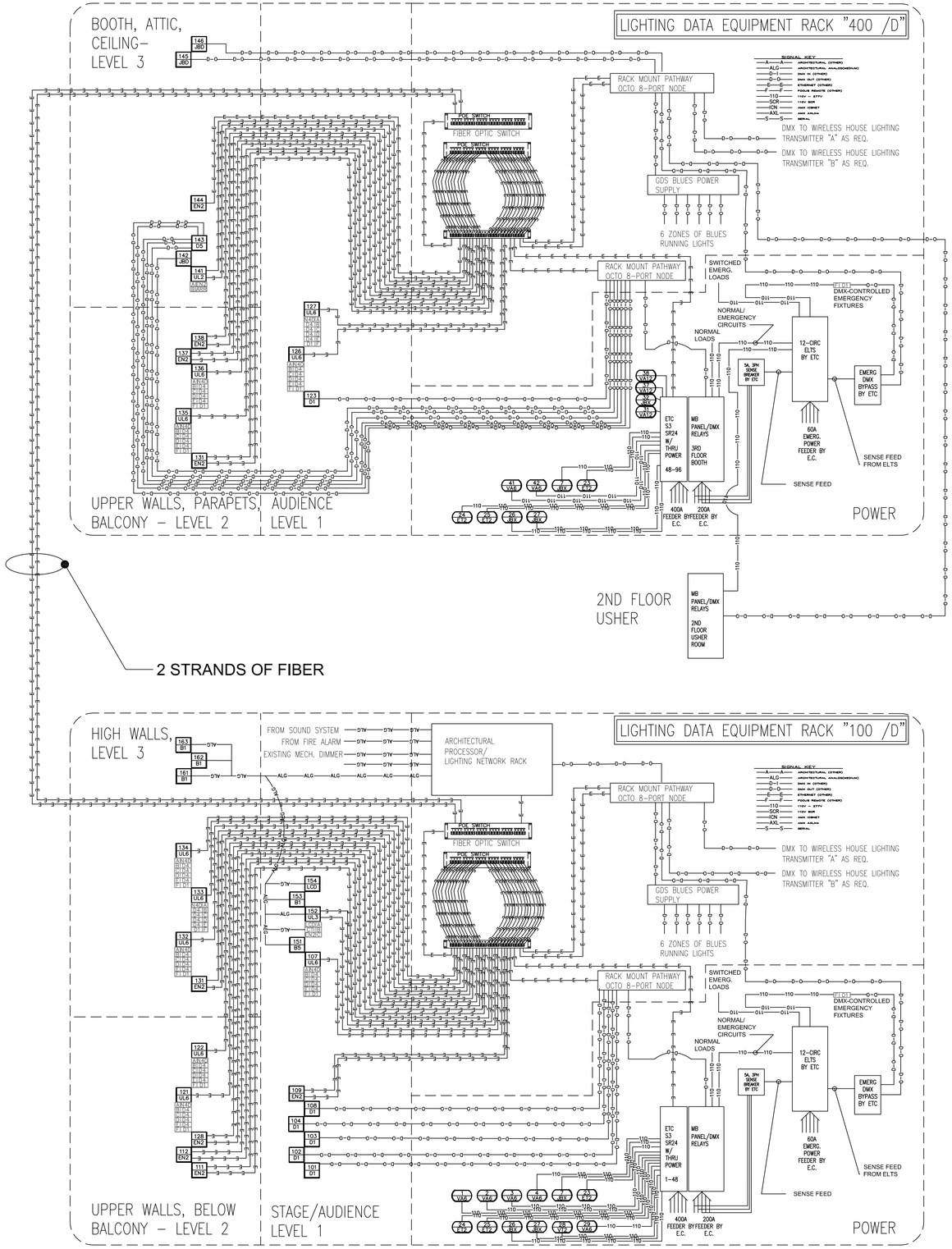
Drawing Title: PERFORMANCE LIGHTING AND CONTROLS
4TH FLOOR/BOOTH PLAN

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TEG04



1 T.EG05 PERFORMANCE LIGHTING AND CONTROLS - RISER DIAGRAMS
SCALE: NTS

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Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation

Tampa, Florida

Drawing Title: PERFORMANCE LIGHTING AND CONTROLS RISER DIAGRAMS

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

TEG05

Box	Suffix	Space	Floor	Room	BackBox	Mounting	Height	System	Faceplate	Qty	Circuit	Notes
1	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	PL	VA6	6@20A 120V	1 - 6	ONSTAGE
2	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	PL	VA6	6@20A 120V	7 - 12	ONSTAGE
3	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	PL	VA6	6@20A 120V	13 - 18	ONSTAGE
4	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	PL	VA6	6@20A 120V	19 - 24	ONSTAGE
7	-	THR	1	101-Orchestra	To Be Determined	S	SEE ARCH	PL	JBX		FROM RELAY PANEL	EC JUNCTION BOX
11	-	THR	2	200-Tormentor	Furnished By PLC	S	ORGAN	PL	VA6	6@20A 120V	91-96	AT VERTICAL R1 LIGHTING POSITION
12	-	THR	2	200-Tormentor	Furnished By PLC	S	WALL	PL	VA6	6@20A 120V	85-90	AT VERTICAL R1 LIGHTING POSITION
23	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	ET2	2@20A 120V	79 - 80	2-CIRC DATA TRACK BALC FACE
24	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	ET2	2@20A 120V	81 - 82	2-CIRC DATA TRACK BALC FACE
25	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	ET2	2@20A 120V	83 - 84	2-CIRC DATA TRACK BALC FACE
26	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	JBX		FROM RELAY PANEL	EC JUNCTION BOX
27	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	JBX		FROM RELAY PANEL	EC JUNCTION BOX
28	-	THR	1	100-Stage	Furnished By PLC	S	CEILING	PL	VT2	12@20A 120V	25 - 36	OVER STAGE/TRUSS
29	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES	PL	VA6	6@20A 120V	73 - 78	MOUNT IN BALCONY FACE
31	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	PL	VA12	12@20A 120V	37 - 48	OVER FORESTAGE
32	-	THR	3	301-Parapets	To Be Determined	S	SEE ARCH	PL	JBX		FROM RELAY PANEL	EC JUNCTION BOX
37	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	PL	VA12	12@20A 120V	61 - 72	UPPER SIDES
38	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	PL	VA12	12@20A 120V	49 - 60	UPPER SIDES
41	-	THR	3	302-Control Booth	Furnished By PLC	S	CATWALK	PL	VA6	6@20A 120V	55-60	(DUPLICATED)FOR FUTURE CATWALK
42	-	THR	3	302-Control Booth	Furnished By PLC	S	CATWALK	PL	VA6	6@20A 120V	67-72	(DUPLICATED)FOR FUTURE CATWALK
45	-	THR	3	302-Control Booth	To Be Determined		SEE ARCH	PL	JBX		FROM RELAY PANEL	POWER FOR COVE LIGHTING - BY EC
46	-	THR	3	302-Control Booth	To Be Determined		SEE ARCH	PL	JBX		FROM RELAY PANEL	POWER FOR COVE LIGHTING - BY EC
100	-	THR	1	100-Stage	Furnished By PLC	S	96" AFF	UL	D			LIGHTING NETWORK/DATA RACK
101	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	D	D1	1 @ Low V		DMX INPUT
102	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	D	D1	1 @ Low V		DMX INPUT
103	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	D	D1	1 @ Low V		DMX INPUT
104	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	D	D1	1 @ Low V		DMX INPUT
107	-	THR	1	101-Orchestra	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
108	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	D	D1	1 @ Low V		DMX INPUT
109	-	THR	1	100-Stage	Furnished By PLC	S	RECPT	E	EN2	2 @ Low V		LIGHTING NET/NET
111	-	THR	2	200-Balcony	Furnished By PLC	S	ORGAN	E	EN2	2 @ Low V		LIGHTING NET/NET
112	-	THR	2	200-Balcony	Furnished By PLC	S	WALL	E	EN2	2 @ Low V		LIGHTING NET/NET
121	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
122	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
123	-	THR	2	200-Balcony	Furnished By PLC	S	BALC FACE	D	D1	1 @ Low V		LIGHTING NET/NET
126	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
127	-	THR	2	200-Balcony	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
128	-	THR	1	100-Stage	Furnished By PLC	S	CEILING	E	EN2	2 @ Low V		LIGHTING NET/NET
131	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	E	EN2	2 @ Low V		LIGHTING NET/NET
132	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING CONTROLS
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EMERGENCY DMX TERMINATION
133	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING BOX
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EDMX UNIVERSE 7
134	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES		UL6			UNIFIED LIGHTING BOX
	A							UL				DIN RAIL NODE W/ 4 OUTS
	B							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	C							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	D							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	E							D		4 @ Low V		DIN RAIL 4-PORT DMX OPTO
	F							D		1 @ Low V		EDMX UNIVERSE 7
137	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	E	EN2	2 @ Low V		LIGHTING NET/NET
138	-	THR	3	301-Parapets	Furnished By PLC	S	SEE NOTES	E	EN2	2 @ Low V		LIGHTING NET/NET
141	-	THR	3	302-Control Booth	Furnished By PLC	S	RECPT		UL2			UNIFIED LIGHTING BOX
	A							E		2 @ Low V		LIGHTING NET/NET
	B							AR		1 @ Low V		PORTABLE LCD PLUGIN
142	-	THR	3	302-Control Booth	See Note	S	SEE NOTE	UL	JBD			DMX JUNCTION BOX LOCATION BY EC
143	-	THR	3	302-Control Booth	Furnished By PLC	S	SEE NOTES	UL	D5			(5) DMX OUTPUTS
144	-	THR	3	302-Control Booth	Furnished By PLC		CATWALK	E	EN2	2 @ Low V		LIGHTING NET/NET
145	-	THR	3	302-Control Booth	See Note		SEE NOTE	UL	JBD			DMX FOR COVE LIGHTING
146	-	THR	3	302-Control Booth	See Note		SEE NOTE	UL	JBD			DMX FOR COVE LIGHTING
151	-	THR	1	100-Stage	Furnished By PLC	S	SWITCH	AR	B5	1 @ Low V		PRESETS 1-5
152	-	THR	1	100-Stage	Furnished By PLC	S	SEE NOTES		UL3			LOCATION OF LCD, CONTACT INTERFACE TO EXISTING MECHANICAL CONTROLS FOR 1 CIRCUIT, AND 2 NETWORK PORTS
	A							AR				MASTER LCD CONTROL STA.
	B							PL				CONTACT INTERFACE TO EXISTING CIRC.
	C							E		2 @ Low V		LIGHTING NET/NET
153	-	THR	1	101-Orchestra	Furnished By PLC	S	SWITCH	AR	B1	1 @ Low V		PRESETS 1-5
154	-	THR	1	101-Orchestra	Furnished By PLC	S	SWITCH	AR	LCD			LCD WITH CSTM COLOR LOCKING COVER
161	-	THR	2	200-Balcony	Furnished By PLC	S	SWITCH	AR	B1	1 @ Low V		PRESETS 1-5
162	-	THR	2	200-Balcony	Furnished By PLC	S	SWITCH	AR	B1	1 @ Low V		PRESETS 1-5
163	-	THR	2	200-Balcony	Furnished By PLC	S	SWITCH	AR	B1	1 @ Low V		PRESETS 1-5
400	-	THR	3	302-Control Booth	Furnished By PLC	S	96" AFF	UL	D			LIGHTING NETWORK DATA RACK

1 T6506 PERFORMANCE LIGHTING AND CONTROLS - BOX SCHEDULE
SCALE: NTS

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COA 27188
Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation
Tampa, Florida

Drawing Title: PERFORMANCE LIGHTING AND CONTROLS – BOX SCHEDULE

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.
TEG06

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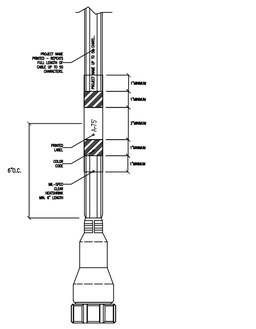
Project No. 01.15.017

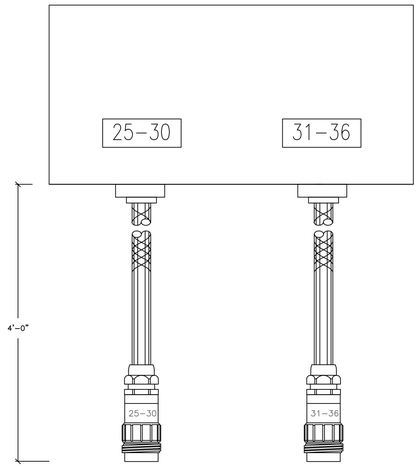
Tampa Theatre – Theatrical Lighting Upgrade and Renovation

Tampa, Florida

Drawing Title: PERFORMANCE LIGHTING AND CONTROLS FACEPLATES



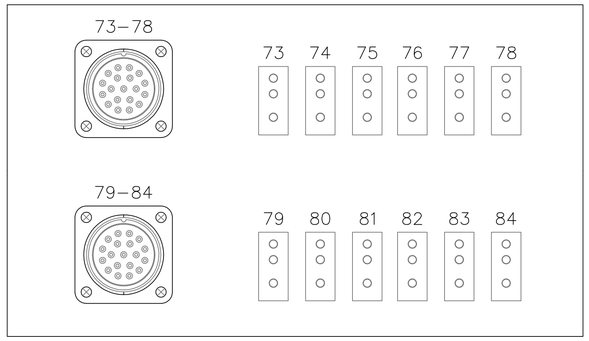
1 PLOT MOLDED CABLE LABELING
SEE SPECS FOR QUANITIES AND DETAILS



2 PLOT FACEPLATE VT2
BACKBOX: BY PLC

VT2 - Furnished By PLC - Count: 1
>>>>>> Layout: VT2- Count: 1 <<<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

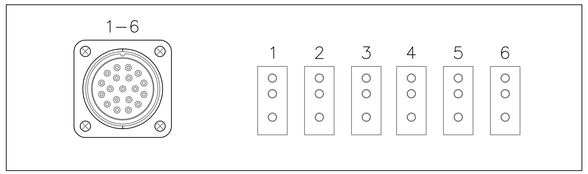
Mounting: SURFACE Finish: Black powder coat steel
Backbox: Furnished By PLC to EC
29 = 25-36



3 PLOT FACEPLATE VA12
BACKBOX: BY PLC

VA12 - Furnished By PLC - Count: 3
>>>>>> Layout: VA12- Count: 3 <<<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

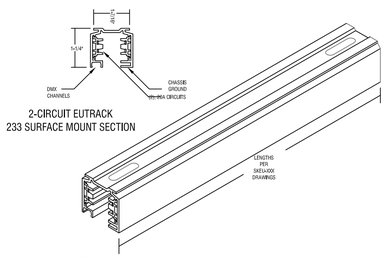
Mounting: SURFACE Finish: Black powder coat steel
Backbox: Furnished By PLC to EC
31 = 61-72
37 = 73-84
38 = 85-96



6 PLOT VA6 – OUTLET BOX
BACKBOX: AS REQUIRED

VA6 - Furnished By PLC - Count: 9
>>>>>> Layout: VA6- Count: 9 <<<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

Mounting: SURFACE Finish: Black powder coat steel
Backbox: Furnished By PLC to EC
1 = 1-6
2 = 7-12
3 = 13-18
4 = 19-24
11= 37-42
12= 43-48
29 = 49-54
41 = 85-90
42 = 91-96

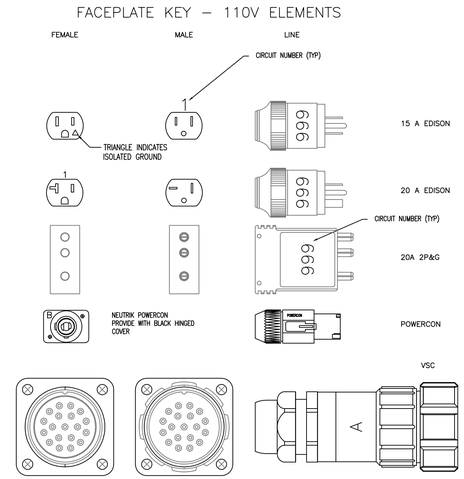


2-CIRCUIT EUTRACK
233 SURFACE MOUNT SECTION

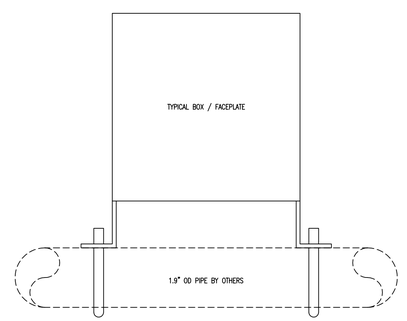
6 PLOT VA6 – OUTLET BOX
BACKBOX: AS REQUIRED

ET2 - Furnished By PLC - Count: 4
>>>>>> Layout: ET2- Count: 4 (4 SECTIONS, 3 SETS TERMINATIONS) <<<<
Box = Labels

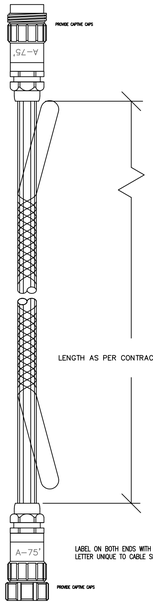
Mounting: SURFACE Finish: Black powder coat steel
Backbox: Furnished By PLC to EC
23 = 55-56 + DMX
24 = 57-58 + DMX
25 = 59-60 + DMX



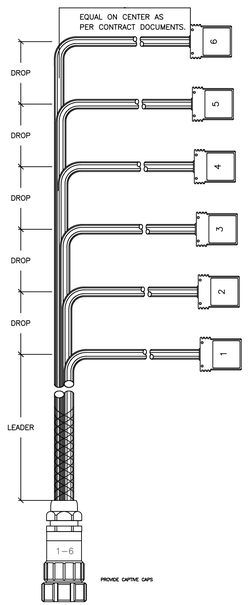
NOTES:
1. FACEPLATE MATERIAL: 16 GAGE STEEL
2. FINISH: MATT BLACK POWDER COAT BAKED ENAMEL
3. CONNECTOR CHARACTERS: 1/4" HIGH WITH NON-YELLOWING WHITE FILL
4. BOX CHARACTERS: 3/4" HIGH ENGRAVED BLACK LAMACOID WITH NON-YELLOWING WHITE FILL. PLATE POP REVETED TO FACEPLATE.
5. CIRCUIT NUMBERS: AS PER FACEPLATE LABELING SCHEDULES
6. ALL DIMENSIONS ARE EXPRESSED IN INCHES
7. FACEPLATE SCREWS ARE NOT SHOWN. CONTRACTOR TO LOCATE TO COORDINATE WITH BACK BOXES
8. SCREWS TO BE PHILLIPS HEAD SCREWS
9. PIPE MOUNT BOXES ARE TO HAVE FLANGES AND "U-BOLTS" FOR MOUNTING ON 1.9" OD PIPE.



PIPE MOUNT DETAIL



4 PLOT MULTI CABLE EXTENSION
SEE SPECS FOR QUANITIES AND DETAILS



5 PLOT MULTI CABLE BATTENLAY
SEE SPECS FOR QUANITIES AND DETAILS

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

TPL01

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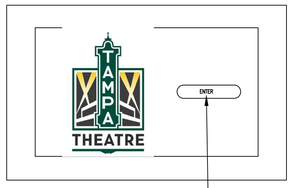
Tampa Theatre – Theatrical Lighting Upgrade and Renovation

Tampa, Florida

PERFORMANCE LIGHTING AND CONTROLS

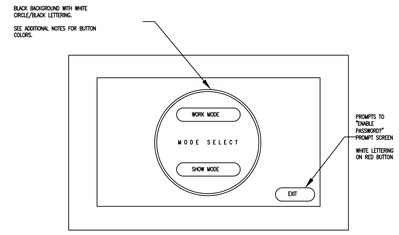
Drawing Title: FACEPLATES



1 PL02 FACEPLATE LCD

LCD – DEFAULT STARTUP AND WORKS IDLE SCREEN

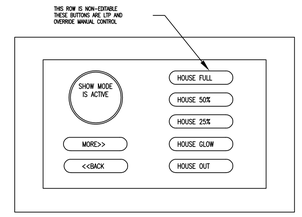
LCD DEFAULTS TO THIS SCREEN WHEN SYSTEM IS IDLEIN WORK MODE WITH SCREEN DIMMED TO 20% BRIGHTNESS. COLOR LOGO TO BE PROVIDED BY OWNER PRIOR TO PROGRAMMING.



2 PL02 FACEPLATE LCD

LCD – MODE SELECT SCREEN

WHEN DEFAULTSTARTUP SCREEN IS TOUCHED AND PASSWORD ENTERED (IF PASSWORD PROTECTION IS ACTIVATED), MODE SELECT SCREEN IS ACTIVATED.



3 PL02 FACEPLATE LCD

LCD – SHOW MODE MAIN ACTIVE SCREEN

TRANSPOSE COLORS ON ALL ACTIVATED BUTTONS – ALL SCREENS

4 PL02 FACEPLATE LCD
BACKBOX: AS REQUIRED

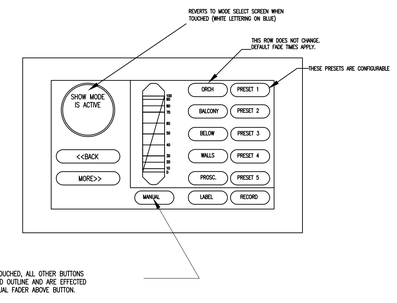
==========
LCD – Furnished By PLC – Count: 2
>>>>>> Layout: LCD– Count: 2 <<<<<<<<<<<<<<<<<<<<<<<<<
Mounting – Finish
Box = Labels

Portable – Black anodized, horizontally brushed aluminum
PORTABLE LCD STATION

8 PL02 FACEPLATE OCC
BACKBOX: BY PLC

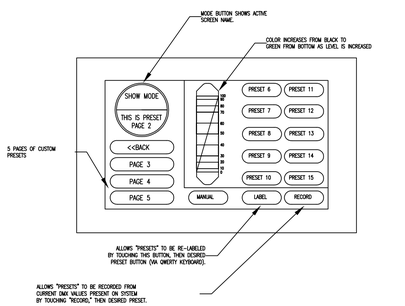
==========
OCC – 0 Gang – Count: 0
>>>>>> Layout: OCC– Count: 0 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

Mounting: Surface
Finish: Steel painted a custom color
Backbox: 1 Gang Provided By EC
TO BE DISCUSSED

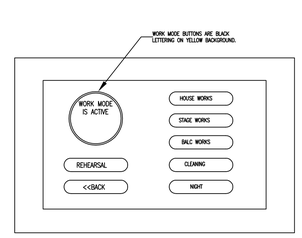


5 PL02 FACEPLATE LCD

SHOW MODE MANUAL CONTROL AND PRESETS PAGE 1 SCREEN

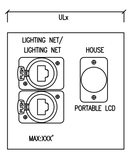


6 PL02 FACEPLATE LCD



7 PL02 FACEPLATE LCD

LCD – WORK MODE SELECT SCREEN



9 PL02 FACEPLATE ULx
BACKBOX: AS REQ.

==========
UL2 – 2 Gang – Count: 4
>>>>>> Layout: ARR–EN1– Count: 1 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

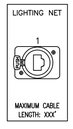
Mounting: Flush
Finish: Black anodized, horizontally brushed aluminum
Backbox: 2 Gang Furnished to EC
109 = AR: 1
Enet: 1

>>>>>> Layout: ARR–EN2– Count: 3 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

Mounting: Surface
Finish: Black anodized, horizontally brushed aluminum
Backbox: 2 Gang Furnished to EC
101 = AR: 1
Enet: 2

102 = AR: 1
Enet: 2

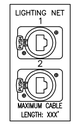
105 = AR: 1
Enet: 2



10 PL02 FACEPLATE EN1
BACKBOX: 1 GANG

==========
EN1 – 1 Gang – Count: 4
>>>>>> Layout: EN1– Count: 4 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

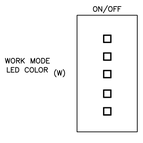
Mounting: Surface
Finish: Black anodized, horizontally brushed aluminum
Backbox: 1 Gang Furnished to EC
112
113
115
117



10 PL02 FACEPLATE EN2
BACKBOX: 1 GANG

==========
EN2 – 1 Gang – Count: 7
>>>>>> Layout: EN2– Count: 7 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

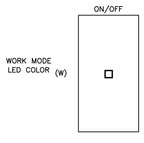
Mounting: Surface
Finish: Black anodized, horizontally brushed aluminum
Backbox: 1 Gang Furnished to EC
103
128
131
137
138
144
171



11 PL02 FACEPLATE B5
BACKBOX: 1 GANG

==========
B5 – 1 Gang – Count: 5
>>>>>> Layout: B5– Count: 5 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

Mounting: Surface
Finish: Black anodized, horizontally brushed aluminum
Backbox: 1 Gang Furnished to EC
152
153
154
155
156



12 PL02 FACEPLATE B1
BACKBOX: 1 GANG

==========
B1 – 1 Gang – Count: 4
>>>>>> Layout: B1– Count: 4 <<<<<<<<<<<<<<<<<<<<<<<<<
Box = Labels

Mounting: Surface
Finish: Black anodized, horizontally brushed aluminum
Backbox: 1 Gang Furnished to EC by PLC
153
161
162
163

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: NTS

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

TPL02

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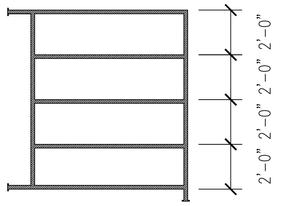
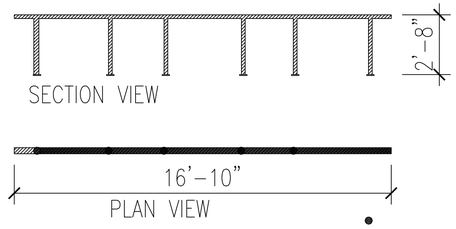
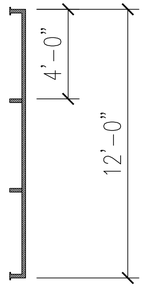
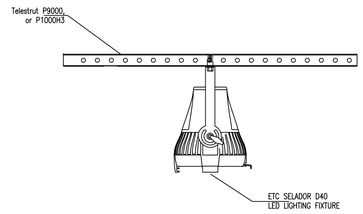
ALL LIGHTING POSITION PIPE IS 1.9"O.D. (NOM.) BLACK STEEL PIPE WITH WELDED INTERSECTIONS.









R 1 PARAPET POSITIONS (2 TOTAL)

LOCATIONS PER TEG02. MOUNT AS REQUIRED BY STRUCTURE.

R 2 OVERSTAGE/PROSCENIUM POSITION (2 TOTAL)

ALIGN ADJACENT TO HOLES PER PLAN TEG03. MOUNT AS REQUIRED BY STRUCTURE. SIDEARMS TO BE USED ON VERTICALS.

R 3 TORMENTOR POSITIONS (2 TOTAL)

LOCATION PER TEG02. MOUNT AS REQUIRED BY STRUCTURE. SIDEARMS TO BE USED ON VERTICALS.

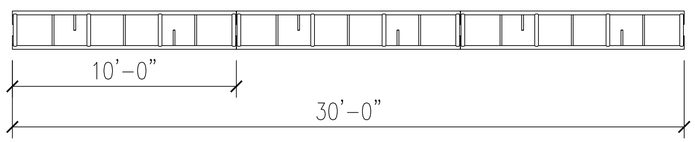
R 5 BALCONY FACE LIGHTING POSITION

LOCATION PER TEG02. MOUNT ADJACENT TO EACH SECTION OF EUTRAC AT TOP OF STRUCTURE IWITHIN BALCONY FACE. ENSURE POSITIONING SO THAT LIGHTING FIXTURES MAY BE ATTACHED TO STRUT AS SHOWN, AND MAY BE FOCUSED THROUGH OPENINGS ON BALCONY FACE.

FIELD VERIFY ALL DIMENSIONS AND ATTACHMENT METHODS. ADJUST DESIGN ACCORDINGLY AND SUBMIT SHOP DRAWINGS FOR APPROVAL.

12"X12" ALUMINUM BOX TRUSS

R 4



Tampa Theatre - Theatrical Lighting Upgrade and Renovation

Tampa, Florida

Drawing Title: PERFORMANCE RIGGING - LIGHTING PIPES

No.	Description	Date

DESIGN BY: JCA
CHECKED BY: JCA
SCALE: 1/8" = 1'-0"

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

TPR01

SCOPE OF WORK

I. SCOPE OF WORK

A. ALL WORK SHALL BE IN COMPLIANCE WITH THE LATEST APPLICABLE CODES, LAWS AND ORDINANCES, AND THE NATIONAL ELECTRICAL CODE. PROVIDE AND FURNISH ALL LABOR, MATERIALS, PERMITS, AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK AS SHOWN ON CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL INSPECT ALL NEW MATERIAL AND EQUIPMENT PRIOR TO INSTALLATIONS FOR DAMAGES, AND SHALL VERIFY EQUIPMENT OPERATES SATISFACTORILY.

C. CONTRACTOR SHALL WARRANT ALL MATERIAL AND EQUIPMENT FURNISHED TO COMPLETE ALL WORK FOR ONE YEAR AFTER FINAL ACCEPTANCE OF COMPLETION. MATERIALS AND EQUIPMENT DEFECTS OF FAILURES DUE TO ABUSE, OR WORKMANSHIP NEGLECT SHALL BE MADE GOOD BY THE CONTRACTOR WITHOUT COST TO THE OWNER.

D. PROVIDE ONLY NEW, STANDARD UNDERWRITER'S LABORATORY INC. LISTED FIRST-GRADE MATERIALS THROUGHOUT, AND SHALL BE MARKED WITH UNDERWRITER'S LABORATORY INC. LISTED AND WITH MANUFACTURER'S BRAND OR TRADEMARK. ALL MATERIALS SHALL BE OF ONE MANUFACTURER.

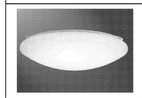
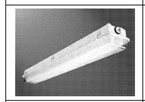
E. CONTRACTOR SHALL BE EXPERIENCED IN THEIR TRADE. CONTRACTOR'S WORK SHALL PRESENT A NEAT APPEARANCE UPON COMPLETION. MATERIALS AND EQUIPMENT INSTALLED SHALL BE PLUMB, STRAIGHT, AND LEVEL.

F. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND OWNER ON EXACT LOCATION OF WIRING DEVICES AND RACEWAY FOR OWNER-FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.

G. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL TEST ALL WIRING AND EQUIPMENT INSTALLATION, AND SHALL BE IN PERFECT WORKING CONDITION IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS.

H. REFER TO 'BOOK' SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. THE 'BOOK' SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS.

LIGHTING LUMINAIRE SCHEDULE

	TYPE	DESCRIPTION	MANUFACTURER	LAMP TYPE	VOLTAGE
	A	4' LED SURFACE MOUNTED LUMINAIRE WITH LENS	WILLIAMS #SLF-4-LED*PH75/840-HIA-ED*UT-UNV	LED	UNIV
	AE	4' LED SURFACE MOUNTED LUMINAIRE WITH LENS AND EMERGENCY BALLAST	WILLIAMS #SLF-4-LED*PH75/840-HIA-ED*UT-UNV-EM/BSL310	LED	UNIV
	B	2' LED SURFACE MOUNTED LUMINAIRE WITH LENS	WILLIAMS #SLF-2-LED*UT45/840-HIA-ED*UT-UNV	LED	UNIV
	C	12"' LED SURFACE MOUNTED ROUND LUMINAIRE WITH LENS	METALUX #FMLED12WHCCTPR	LED	UNIV
	W	4' 2-LAMP FLUORESCENT SURFACE MOUNTED LUMINAIRE WITH LENS. MOUNT BELOW STAGE FAÇADE. COORDINATE MOUNTING LOCATION WITH OWNER.	METALUX #VT2232DR-UNV-GL-EB81M4	2-32W T8	UNIV
	P	METALLIC LED VAPORPROOF FIXTURE	PHOENIX #VA-C-LED-13-NW-GHC-G-DC	LED	120V
	X	BATTERY EXIT SIGN	LITHONIA #LQM-S-W-3-G-120/277-EL N THERMOPLASTIC EMERGENCY EXIT	INCL	UNIV

NOTES:
1. EXIT LIGHTS SHALL BE CONNECTED TO THE NEAREST UNSWITCHED CIRCUIT.
2. HALF SHADED FIXTURES ARE DESIGNATED AS EMERGENCY.
3. FINAL FIXTURE COLORS AND FINISHES SHALL BE SELECTED AND APPROVED BY OWNER/ARCHITECT.

LIGHTING

SYMBOL	DESCRIPTION
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED NORMAL POWER
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED LIFE SAFETY POWER / NL = NIGHT LIGHT
	CEILING MOUNTED 2'x2' / 2'x4' LIGHT FIXTURE - RECESSED CRITICAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - NORMAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - LIFE SAFETY POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE - RECESSED SURFACE OR PENDANT MOUNTED - CRITICAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - NORMAL POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - LIFE SAFETY POWER
	CEILING MOUNTED 1'x4' LIGHT FIXTURE PENDANT MOUNTED - CRITICAL POWER
	FLUORESCENT STRIP LIGHT FIXTURE - NORMAL POWER
	FLUORESCENT STRIP LIGHT FIXTURE - LIFE SAFETY POWER
	FLUORESCENT STRIP LIGHT FIXTURE - CRITICAL POWER
	DOWN LIGHT FIXTURE - NORMAL POWER
	DOWN LIGHT FIXTURE - LIFE SAFETY POWER
	DOWN LIGHT FIXTURE - CRITICAL POWER
	WALL MOUNTED LIGHT FIXTURE - NORMAL POWER
	WALL MOUNTED LIGHT FIXTURE - LIFE SAFETY POWER
	WALL MOUNTED LIGHT FIXTURE - CRITICAL POWER
	CEILING FAN
	TRACK LIGHTING
	PENDANT LIGHTING
	VANITY LIGHTING
	UNDERCOUNTER LIGHTING
	FLOOD LIGHT FIXTURE
	POLE LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	STEP LIGHT FIXTURE
	EMERGENCY LIGHT UNIT
	EXIT LIGHT - SINGLE FACE WITH DIRECTIONAL ARROW
	EXIT LIGHT - DOUBLE FACE
	EXIT LIGHT - WALL MOUNTED

SWITCHES

SYMBOL	DESCRIPTION
S_A	SINGLE POWER TOGGLE SWITCH (LETTER DENOTES FIXTURE CONTROLLED)
S_3	THREE-WAY TOGGLE SWITCH
S_4	FOUR-WAY TOGGLE SWITCH
S_M	MOTOR SWITCH
S_F	FAN SWITCH
S_{3P}	THREE POSITION SELECTOR SWITCH
S_T	TIMER SWITCH (60 MINUTES)
S_{LV}	LOW VOLTAGE SWITCH
S_{HOA}	HAND-OFF-AUTOMATIC SWITCH
S_K	KEY SWITCH
S_{WP}	SWITCH - WEATHERPROOF
S_{OS}	WALL SWITCH OCCUPANCY SENSOR
S_{DOS}	DUAL-LEVEL OCCUPANCY SENSOR SWITCH
OS AREA	OCCUPANCY SENSOR - CEILING MOUNTED
OS AREA	OCCUPANCY SENSOR - WALL MOUNTED
PC	PHOTOCELL
LC	LIGHTING CONTACTOR
TC	TIME CLOCK

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	DUPLEX RECEPTACLE, 20 AMP, 120V U.O.N. MOUNTED AT 48" UNLESS NOTED OTHERWISE
	QUADRUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	QUADRUPLEX RECEPTACLE, 20 AMP, 120V U.O.N.
	SINGLE RECEPTACLE, 20 AMP, 120V U.O.N.
	GFI - TYPE DUPLEX RECEPTACLE WP: DENOTES WEATHERPROOF COVER
	GFI - TYPE DOUBLE DUPLEX RECEPTACLE
	GFI - DUPLEX RECEPTACLE MOUNTED AT 48" UNLESS NOTED OTHERWISE
	GFI - DOUBLE DUPLEX RECEPTACLE MOUNTED AT 48" UNLESS NOTED OTHERWISE
	SPECIAL PURPOSE RECEPTACLE (NEMA RATING AS INDICATED)
	QUADRUPLEX RECEPTACLE, TICK MARKS DENOTE EMERGENCY (TYPICAL ALL RECEPTACLES)
	DUPLEX RECEPTACLE - HALF SWITCHED
	DUPLEX RECEPTACLE - CEILING MOUNTED
IG	DUPLEX RECEPTACLE WITH ISOLATED GROUND
	POWER / DATA POKE-THRU
	PHONE / DATA POLE AS INDICATED WITH (2) TWO 20 AMP 120V DUPLEX RECEPTACLES, UNLESS NOTED OTHERWISE
J	JUNCTION BOX - CEILING MOUNTED
J	JUNCTION BOX - WALL MOUNTED
J	JUNCTION BOX - FLOOR / GROUND MOUNTED

FIRE ALARM

SYMBOL	DESCRIPTION
FACP	FACP: FIRE ALARM CONTROL PANEL FATC: FIRE ALARM TERMINAL CABINET FAAP: FIRE ALARM ANNUNCIATOR PANEL EVAC: FIRE ALARM VOICE / EVAC. UNIT
P	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM STROBE ONLY DEVICE MINIMUM 75cd RATING
	FIRE ALARM HORN / STROBE DEVICE MINIMUM 75cd RATING
	FIRE ALARM HORN / SPEAKER DEVICE MINIMUM 75cd RATING
	FIRE ALARM SPEAKER DEVICE
	FIRE ALARM HORN DEVICE MINIMUM 75cd RATING
	FIRE ALARM STROBE ONLY DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM HORN / STROBE DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM SPEAKER / STROBE DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
	FIRE ALARM SPEAKER DEVICE - CEILING MOUNTED
	FIRE ALARM HORN DEVICE MINIMUM 75cd RATING - CEILING MOUNTED
M	FIRE ALARM MINI-HORN DEVICE
	FIRE ALARM HEAT DETECTOR - CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED SB: SOUNDER BASE I: IONIC CO: CARBON MONOXIDE
	FIRE ALARM SMOKE DETECTOR - WALL MOUNTED SB: SOUNDER BASE CO: CARBON MONOXIDE UF: UNDERFLOOR
F	FIREMEN'S PHONE
FH	FIREMEN'S AREA OF REFUGE PHONE (J: JACK.....H: HANDSET)
S/R	FIRE ALARM DUCT SMOKE DETECTOR S: SUPPLY....R: RETURN
	TAMPER SWITCH
	FLOW SWITCH
R	FIRE ALARM SHUT-DOWN RELAY
DC	ELECTROMAGNETIC DOOR CONTACT
DH	DOOR HOLDER
RA	FIRE ALARM REMOTE ALARM INDICATOR WITH TEST SWTICH, FLUSH CEILING MOUNTED, WALL MTD. C.L. 48" A.F.F. IN MECHANICAL ROOMS

MISCELLANEOUS

SYMBOL	DESCRIPTION
3P/60A NF 3R	DISCONNECT SWITCH, NON-FUSIBLE 3 POLE, 60 AMP, NF = NON-FUSED, 3R = NEMA 3R ENCLOSURE
3P/60A F. 50A 3R	DISCONNECT SWITCH, FUSIBLE 3 POLE, 60 AMP, FUSED AT 50 AMPS, 3R = NEMA 3R ENCLOSURE
3P/60A NEMA X 3R	COMBINATION STARTER / DISCONNECT SWITCH, FUSIBLE 3 POLE, 60 AMP, NEMA X SIZE, 3R = NEMA 3R ENCLOSURE
	MAGNETIC MOTOR STARTER
	ENCLOSED CIRCUIT BREAKER, AS INDICATED
	PANELBOARD, 480 / 277V
	PANELBOARD, 208 / 120V
MH	MANHOLE
HH	HAND HOLE
SPD	SURGE PROTECTION DEVICE
	ELECTRICAL METER
TX	TRANSFORMER
HP	MOTOR CONNECTION, HP: DENOTES HORSEPOWER RATING
EF	EXHAUST FAN
	GROUND BUS BAR
	PUSHBUTTON
UGC / UGE	UNDERGROUND COMMUNICATIONS CONDUIT UNDERGROUND ELECTRCAL CONDUIT
	3/4" PLYWOOD TELEPHONE BACKBOARD
	CONCRETE ENCASED DUCTBANK
	HOMERUN TO PANEL INDICATED (CONCEALED) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS IN CONDUIT
	WIRE IN CONDUIT CONCEALED, #12 AWG SIZE WIRE IN 1/2" CONDUIT MINIMUM UNLESS OTHERWISE NOTED
	WIRE IN CONDUIT CONCEALED BELOW SLAB OR GRADE
	EMPTY CONDUIT
	CONDUIT EXPOSED
	FLEXIBLE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB

GENERAL NOTES:

1. #12 AWG NEUTRAL CONDUCTOR ALTHOUGH NOT INDICATED SHALL BE INCLUDED FOR EACH BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
2. #12 AWG GREEN GROUND CONDUCTOR, ALTHOUGH NOT INDICATED SHALL BE INCLUDED IN EACH RACEWAY UNLESS OTHERWISE NOTED.
3. HOME RUNS TO PANEL BOARDS SHALL HAVE A MAXIMUM OF THREE (3) PHASE CONDUCTORS (ONE PER PHASE) PLUS DEDICATED NEUTRAL FOR EACH PHASE CONDUCTOR AND GROUND CONDUCTOR IN EACH CONDUIT.
4. ALL SYMBOLS SHOWN MAY NOT BE USED.

Professional Seal

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COA 27158
Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida

Drawing Title: ELECTRICAL LEGEND AND SPECIFICATIONS

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

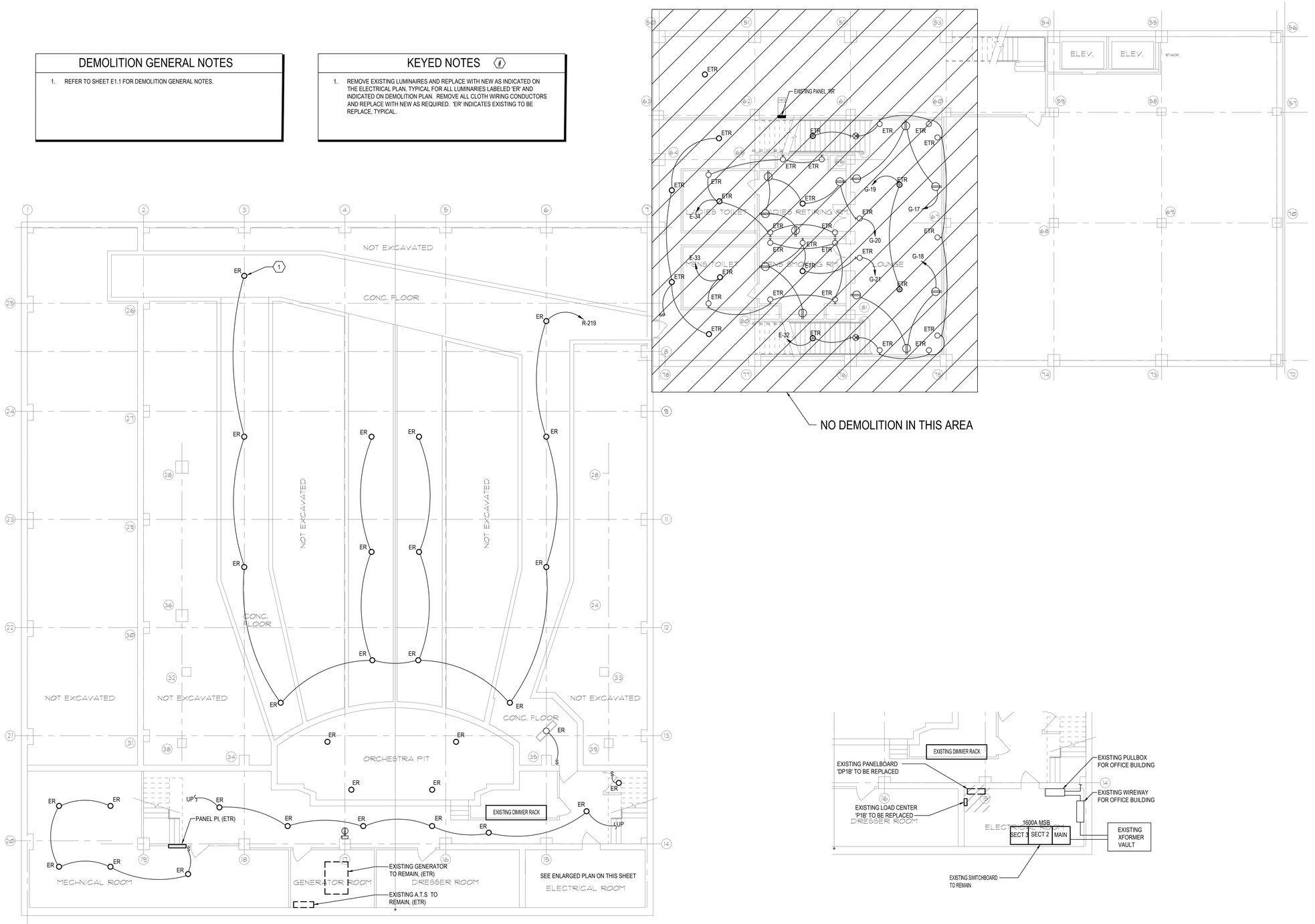
E0.0A

DEMOLITION GENERAL NOTES

1. REFER TO SHEET E1.1 FOR DEMOLITION GENERAL NOTES.

KEYED NOTES (#)

1. REMOVE EXISTING LUMINAIRES AND REPLACE WITH NEW AS INDICATED ON THE ELECTRICAL PLAN, TYPICAL FOR ALL LUMINARIES LABELED 'ER' AND INDICATED ON DEMOLITION PLAN. REMOVE ALL CLOTH WIRING CONDUCTORS AND REPLACE WITH NEW AS REQUIRED. 'ER' INDICATES EXISTING TO BE REPLACE, TYPICAL.



BASEMENT LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

ELECTRICAL ROOM PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158

Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid

Tampa, Florida.

Drawing Title: BASEMENT LEVEL ELECTRICAL DEMOLITION PLAN

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

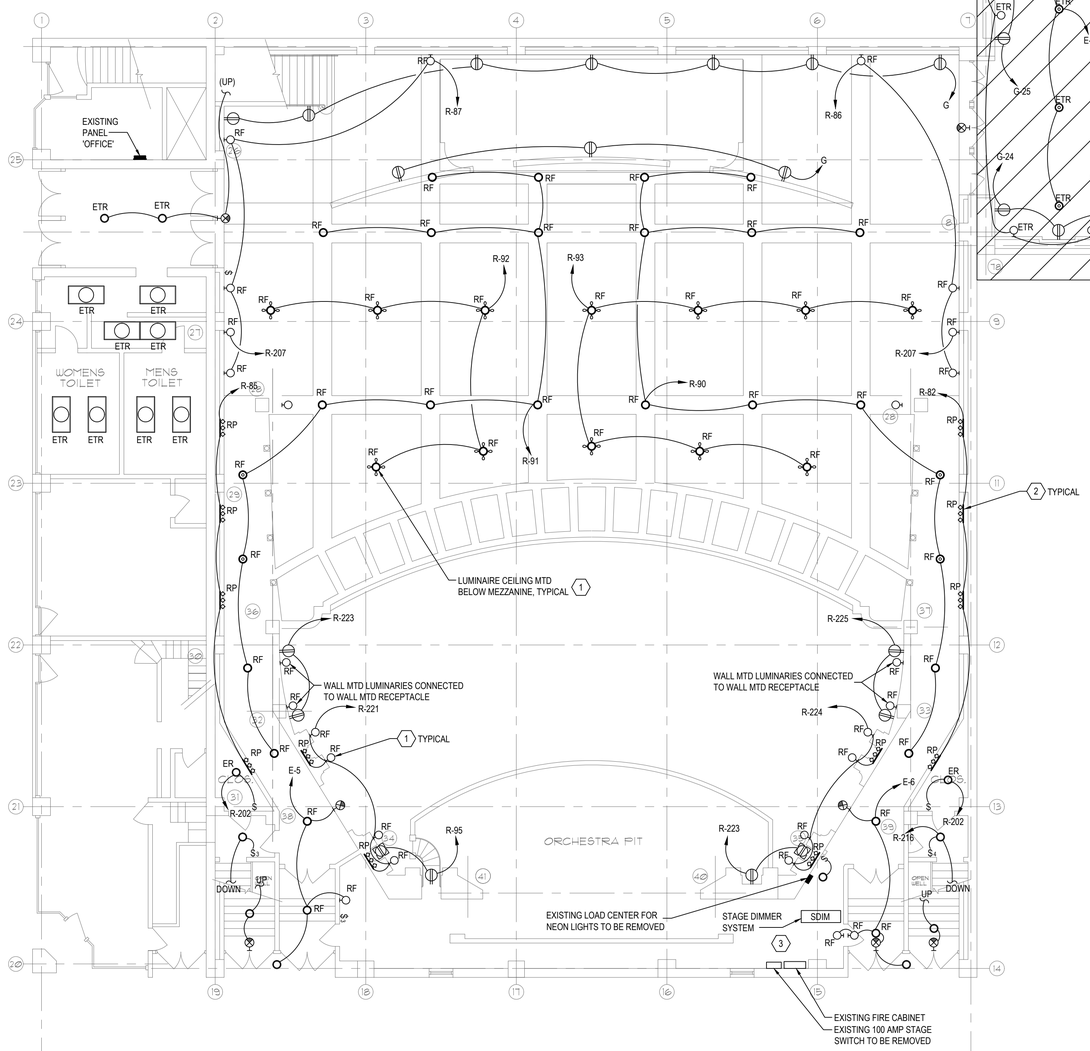
Drawing No.

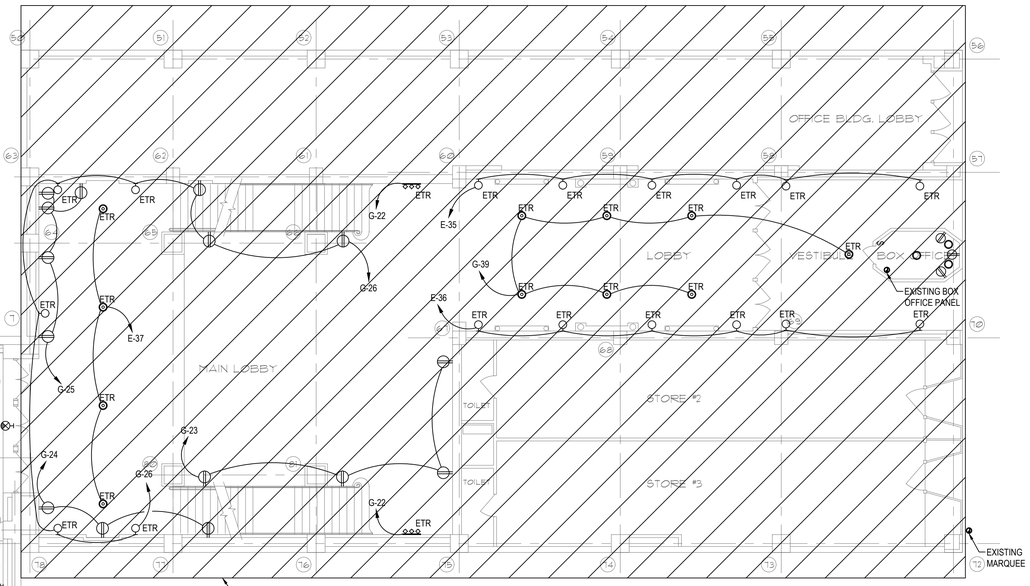
E1.0A

Filename:L:\2015--JOBS\01.15.017_Tampa_Theater_House\Performance_Lighting\CAD\Constructs\Electrical\E1.0A Plot Date:5/6/2015 5:07 PM Plotted By:David Freeman

KEYED NOTES

1. EXISTING INCANDESCENT LUMINAIRE TO BE RE-FURBISHED TO AN LED LUMINAIRE. REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. TYPICAL FOR ALL LUMINAIRES INDICATED AS 'RF'.
2. REMOVE EXISTING LUMINAIRES AND REPLACE WITH NEW AS INDICATED ON THE THEATRICAL PLAN. REMOVE ALL CLOTH WIRING CONDUCTORS AND REPLACE WITH NEW AS REQUIRED. 'RP' INDICATES EXISTING TO BE REPLACE AND SPECIFIED BY THE THEATRICAL DRAWINGS AND SPECIFICATIONS, TYPICAL.
3. REMOVE ALL EXISTING THEATRICAL EQUIPMENT AND CONDUCTORS THAT ARE TO BE REPLACED WITH NEW THEATRICAL EQUIPMENT. REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.





DEMOLITION GENERAL NOTES

1. THERE IS EXISTING CLOTH INSULATED CONDUCTORS THAT SHALL BE REMOVED AND REPLACED WITH NEW CONDUCTORS, REFER TO THE SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE EXISTING BRANCH CONDUCTORS AND REPLACE WITH NEW . PROVIDE DEDICATED NEUTRAL FOR ALL CIRCUITS IN ACCORDANCE WITH THE NEC.
2. DEVICES SHOWN SHALL BE REMOVED, UNLESS LABELED 'ETR'. EXISTING CONCEALED WIRING TO BE REMOVED SHALL BE DISCONNECTED FROM ITS SOURCE. REMOVE CONDUCTORS, CUT CONDUIT FLUSH WITH FLOOR, UNDERSIDE OF FLOOR, THROUGH WALLS, AND SEAL OPENINGS.
3. DEVICES SHOWN LIGHT IN COLOR ARE EXISTING TO REMAIN, ('ETR'). MAINTAIN CONTINUITY OF EXISTING CIRCUITS OF WIRING DEVICES AND EQUIPMENT TO REMAIN. EXISTING CIRCUITS OF EQUIPMENT SHALL REMAIN ENERGIZED. CIRCUITS WHICH ARE TO REMAIN BUT WERE DISTURBED DURING DEMOLITION SHALL HAVE WIRING AND POWER RESTORED BACK TO ORIGINAL CONDITION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
5. THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
6. EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL AS-BUILT ALL EXISTING BRANCH CIRCUITS AND INDICATE ON AS-BUILT DRAWINGS.
7. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES, FITTINGS, CONDUITS, ETC. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF EXISTING CONDITIONS WITHIN THE PROJECT AREA.
8. THE CONTRACTOR SHALL INSURE THAT CONDUITS REMAINING WITHIN THE PROJECT AREA ARE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. CONDUITS THAT ARE ATTACHED TO ITEMS BEING REMOVED DURING DEMOLITION SHALL BE SUPPORTED FROM THE STRUCTURE PRIOR TO REMOVING ITEM.
9. EXISTING PANEL DIRECTORIES SHALL BE UPDATED TO REFLECT CURRENT CONDITIONS.
10. CONTRACTOR SHALL PATCH, PAINT, AND MATCH FINISH WITH EXISTING SURFACES TO REMAIN WHERE ELECTRICAL DEVICES ARE BEING REMOVED.
11. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR DEVICES TO REMAIN PRIOR TO DEMOLITION. EXISTING DEVICES TO REMAIN ARE SHOWN LIGHT IN COLOR AND LABELED 'ETR'.
12. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR CIRCUITS TO REMAIN AND BE REUSED FOR NEW DEVICES PRIOR TO DEMOLITION.

MAIN LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158

Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida.

Drawing Title: MAIN LEVEL ELECTRICAL DEMOLITION PLAN

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

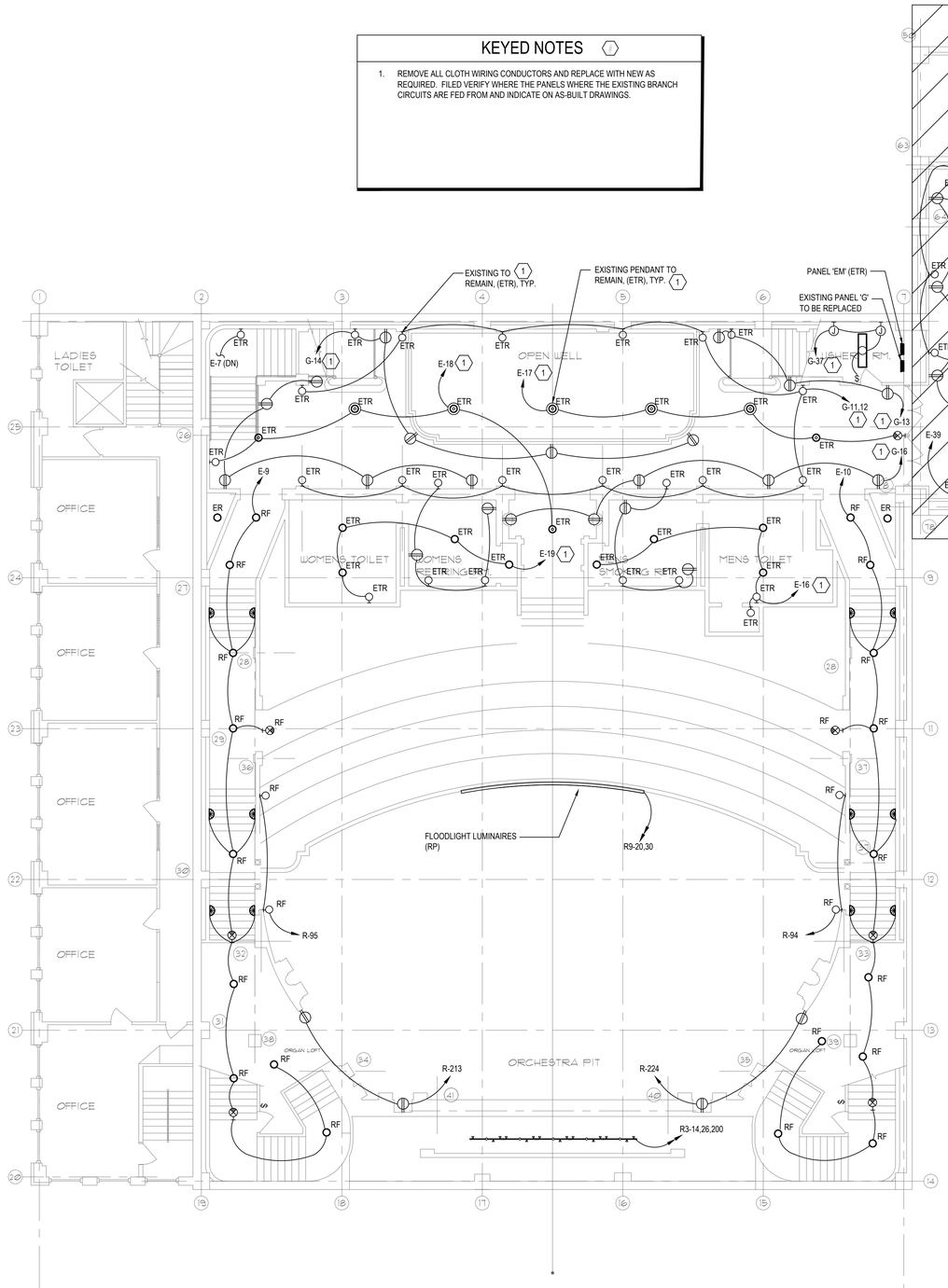
Drawing No.

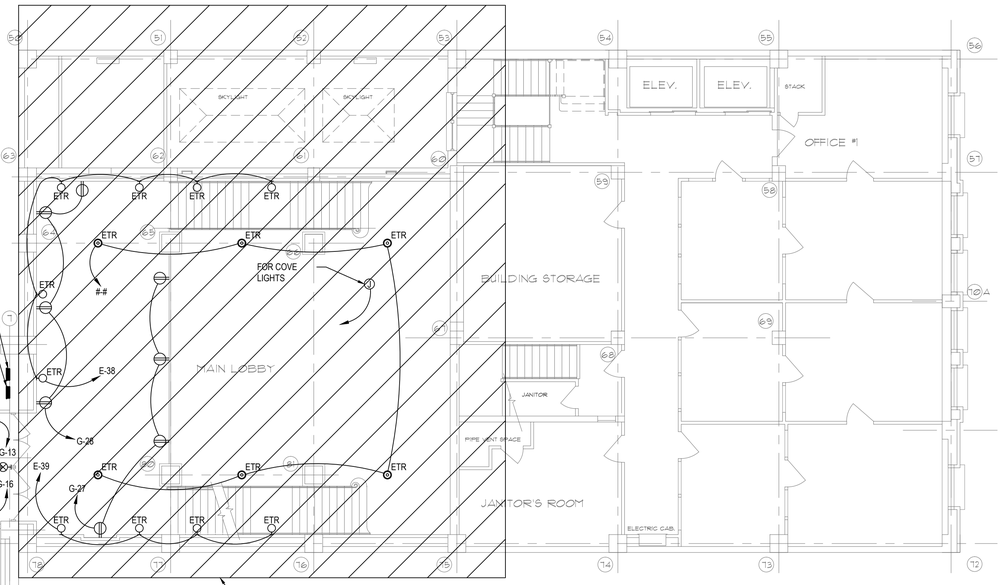
E1.1A

Filename:L:\2015--JOBS\01.15.017_Tampa_Theater_House\Performance_Lighting\CAD\Constructs\Electrical\E1.1A Plot Date:5/6/2015 3:13 PM Plotted By:David Freeman

KEYED NOTES

1. REMOVE ALL CLOTH WIRING CONDUCTORS AND REPLACE WITH NEW AS REQUIRED. FILED VERIFY WHERE THE PANELS WHERE THE EXISTING BRANCH CIRCUITS ARE FED FROM AND INDICATE ON AS-BUILT DRAWINGS.





NO DEMOLITION IN THIS AREA

DEMOLITION GENERAL NOTES

1. THERE IS EXISTING CLOTH INSULATED CONDUCTORS THAT SHALL BE REMOVED AND REPLACED WITH NEW CONDUCTORS, REFER TO THE SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE EXISTING BRANCH CONDUCTORS AND REPLACE WITH NEW . PROVIDE DEDICATED NEUTRAL FOR ALL CIRCUITS IN ACCORDANCE WITH THE NEC.
2. DEVICES SHOWN SHALL BE REMOVED, UNLESS LABELED 'ETR'. EXISTING CONCEALED WIRING TO BE REMOVED SHALL BE DISCONNECTED FROM ITS SOURCE. REMOVE CONDUCTORS, CUT CONDUIT FLUSH WITH FLOOR, UNDERSIDE OF FLOOR, THROUGH WALLS, AND SEAL OPENINGS.
3. DEVICES SHOWN LIGHT IN COLOR ARE EXISTING TO REMAIN, ('ETR'). MAINTAIN CONTINUITY OF EXISTING CIRCUITS OF WIRING DEVICES AND EQUIPMENT TO REMAIN. EXISTING CIRCUITS OF EQUIPMENT SHALL REMAIN ENERGIZED. CIRCUITS WHICH ARE TO REMAIN BUT WERE DISTURBED DURING DEMOLITION SHALL HAVE WIRING AND POWER RESTORED BACK TO ORIGINAL CONDITION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
5. THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
6. EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL AS-BUILT ALL EXISTING BRANCH CIRCUITS AND INDICATE ON AS-BUILT DRAWINGS.
7. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES, FITTINGS, CONDUITS, ETC. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF EXISTING CONDITIONS WITHIN THE PROJECT AREA.
8. THE CONTRACTOR SHALL INSURE THAT CONDUITS REMAINING WITHIN THE PROJECT AREA ARE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. CONDUITS THAT ARE ATTACHED TO ITEMS BEING REMOVED DURING DEMOLITION SHALL BE SUPPORTED FROM THE STRUCTURE PRIOR TO REMOVING ITEM.
9. EXISTING PANEL DIRECTORIES SHALL BE UPDATED TO REFLECT CURRENT CONDITIONS.
10. CONTRACTOR SHALL PATCH, PAINT, AND MATCH FINISH WITH EXISTING SURFACES TO REMAIN WHERE ELECTRICAL DEVICES ARE BEING REMOVED.
11. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR DEVICES TO REMAIN PRIOR TO DEMOLITION. EXISTING DEVICES TO REMAIN ARE SHOWN LIGHT IN COLOR AND LABELED 'ETR'.
12. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR CIRCUITS TO REMAIN AND BE REUSED FOR NEW DEVICES PRIOR TO DEMOLITION.

MEZZANINE LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158

Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida.

Drawing Title: MEZZANINE LEVEL ELECTRICAL DEMOLITION PLAN

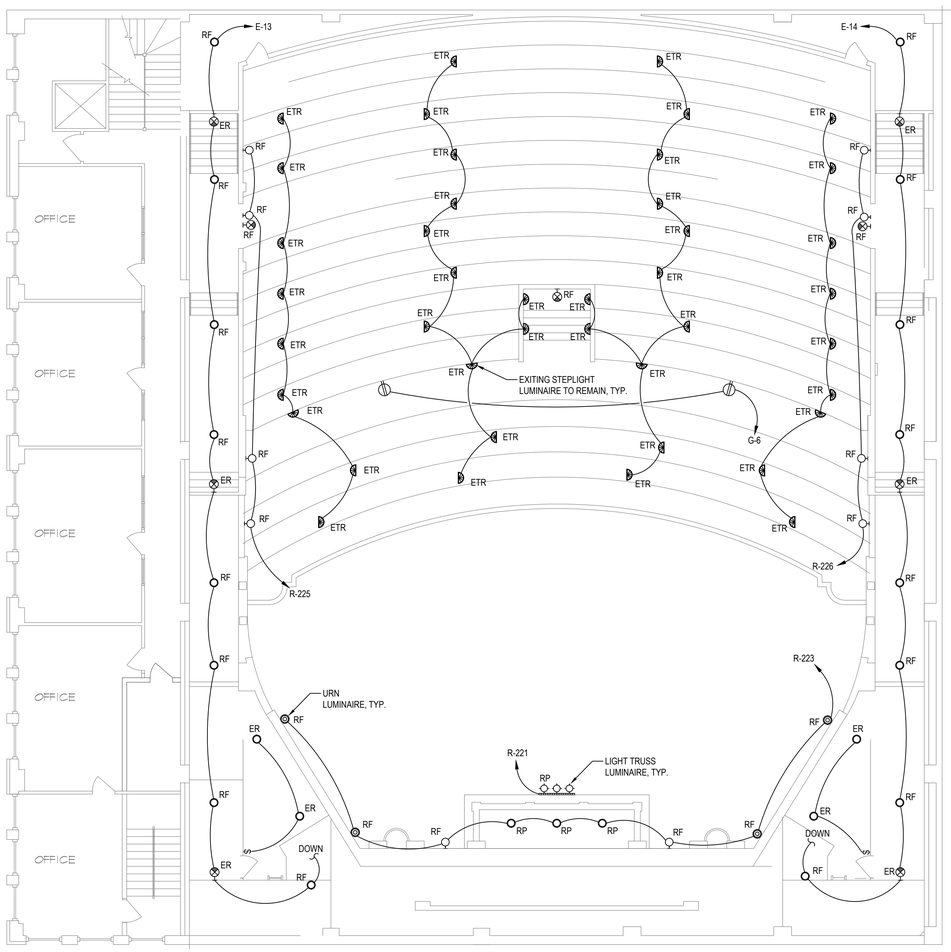
No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E1.2A



DEMOLITION GENERAL NOTES

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3. DEVICES SHOWN LIGHT IN COLOR ARE EXISTING TO REMAIN, ('ETR'). MAINTAIN CONTINUITY OF EXISTING CIRCUITS OF WIRING DEVICES AND EQUIPMENT TO REMAIN. EXISTING CIRCUITS OF EQUIPMENT SHALL REMAIN ENERGIZED. CIRCUITS WHICH ARE TO REMAIN BUT WERE DISTURBED DURING DEMOLITION SHALL HAVE WIRING AND POWER RESTORED BACK TO ORIGINAL CONDITION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
5. THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
6. EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL AS-BUILT ALL EXISTING BRANCH CIRCUITS AND INDICATE ON AS-BUILT DRAWINGS.
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12. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR CIRCUITS TO REMAIN AND BE REUSED FOR NEW DEVICES PRIOR TO DEMOLITION.

BALCONY LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement
Tampa, Florida

Drawing Title: BALCONY LEVEL ELECTRICAL DEMOLITION PLAN

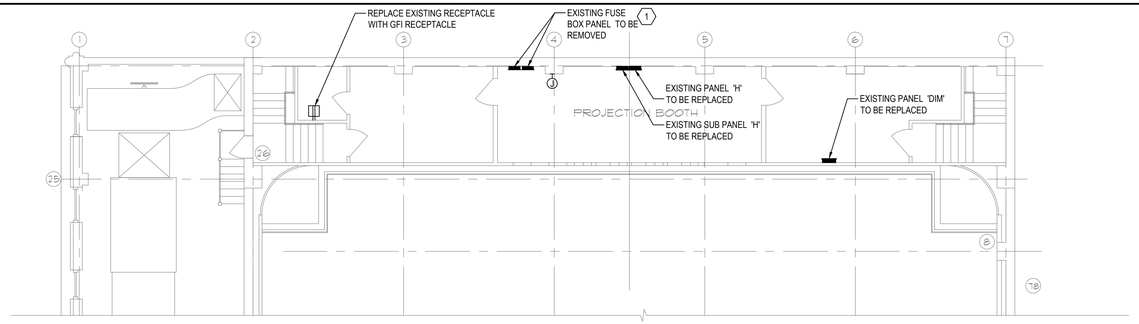
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents
DATE: 04/30/15

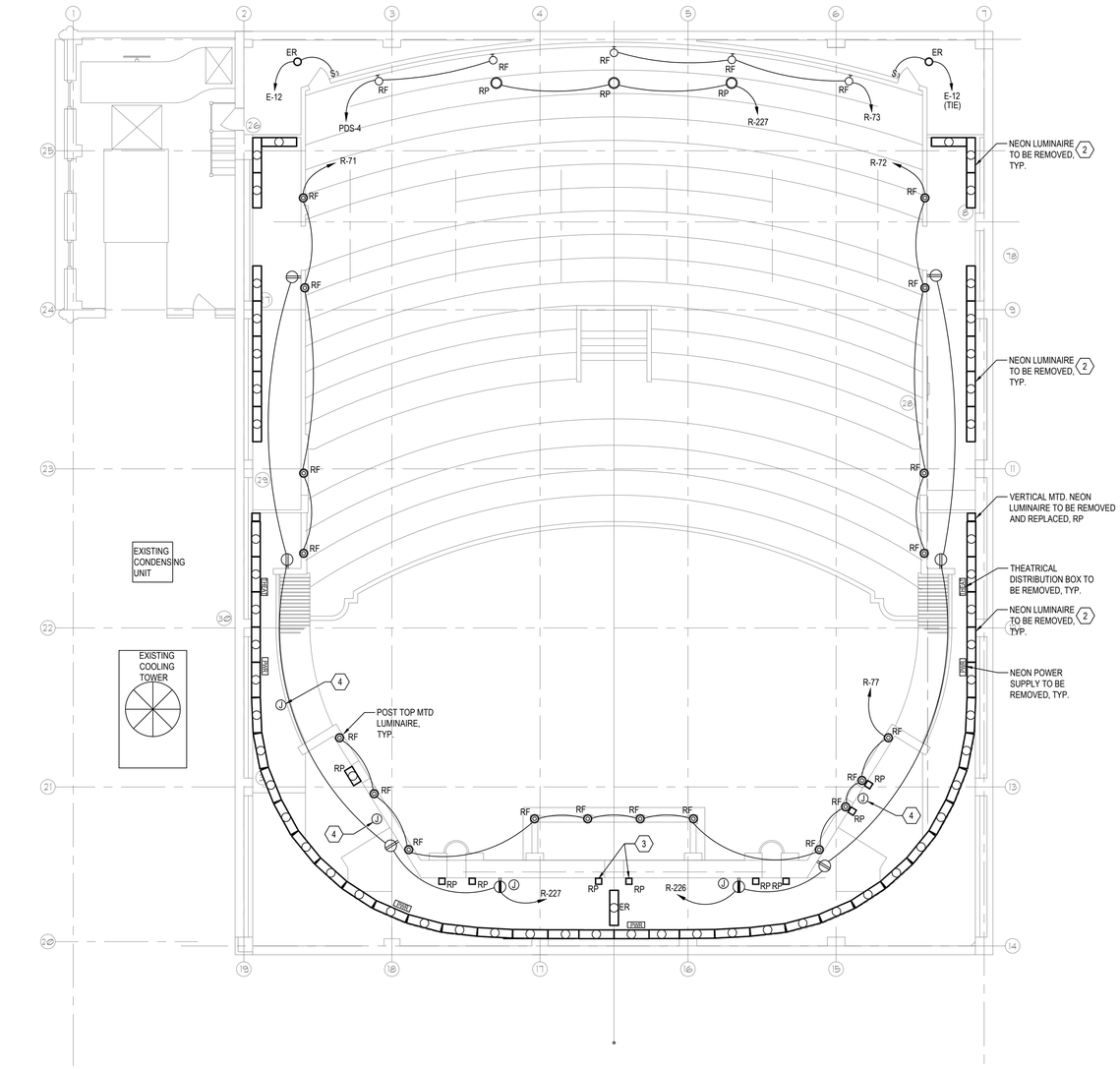
Drawing No.

E1.3A



BALCONY LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"



UPPER BALCONY LEVEL ELECTRICAL DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

1. THERE IS EXISTING CLOTH INSULATED CONDUCTORS THAT SHALL BE REMOVED AND REPLACED WITH NEW CONDUCTORS, REFER TO THE SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE EXISTING BRANCH CONDUCTORS AND REPLACE WITH NEW . PROVIDE DEDICATED NEUTRAL FOR ALL CIRCUITS IN ACCORDANCE WITH THE NEC.
2. DEVICES SHOWN SHALL BE REMOVED, UNLESS LABELED 'ETR'. EXISTING CONCEALED WIRING TO BE REMOVED SHALL BE DISCONNECTED FROM ITS SOURCE. REMOVE CONDUCTORS, CUT CONDUIT FLUSH WITH FLOOR, UNDERSIDE OF FLOOR, THROUGH WALLS, AND SEAL OPENINGS.
3. DEVICES SHOWN LIGHT IN COLOR ARE EXISTING TO REMAIN, ('ETR'). MAINTAIN CONTINUITY OF EXISTING CIRCUITS OF WIRING DEVICES AND EQUIPMENT TO REMAIN. EXISTING CIRCUITS OF EQUIPMENT SHALL REMAIN ENERGIZED. CIRCUITS WHICH ARE TO REMAIN BUT WERE DISTURBED DURING DEMOLITION SHALL HAVE WIRING AND POWER RESTORED BACK TO ORIGINAL CONDITION.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS.
5. THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS DEEMED USEABLE AS SPARE PARTS.
6. EXISTING CONDITIONS INDICATED ON THIS DRAWING ARE TAKEN FROM EXISTING DOCUMENTS AND FIELD INVESTIGATION. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL AS-BUILT ALL EXISTING BRANCH CIRCUITS AND INDICATE ON AS-BUILT DRAWINGS.
7. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES, FITTINGS, CONDUITS, ETC. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF EXISTING CONDITIONS WITHIN THE PROJECT AREA.
8. THE CONTRACTOR SHALL INSURE THAT CONDUITS REMAINING WITHIN THE PROJECT AREA ARE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. CONDUITS THAT ARE ATTACHED TO ITEMS BEING REMOVED DURING DEMOLITION SHALL BE SUPPORTED FROM THE STRUCTURE PRIOR TO REMOVING ITEM.
9. EXISTING PANEL DIRECTORIES SHALL BE UPDATED TO REFLECT CURRENT CONDITIONS.
10. CONTRACTOR SHALL PATCH, PAINT, AND MATCH FINISH WITH EXISTING SURFACES TO REMAIN WHERE ELECTRICAL DEVICES ARE BEING REMOVED.
11. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR DEVICES TO REMAIN PRIOR TO DEMOLITION. EXISTING DEVICES TO REMAIN ARE SHOWN LIGHT IN COLOR AND LABELED 'ETR'.
12. CONTRACTOR SHALL REVIEW NEW FLOOR PLANS FOR CIRCUITS TO REMAIN AND BE REUSED FOR NEW DEVICES PRIOR TO DEMOLITION.

KEYED NOTES (#)

1. CONTRACTOR SHALL AS-BUILT EXISTING ENERGIZED CIRCUITS STILL ACTIVE AND RE-CIRCUIT TO NEW PANELBOARD 'H'.
2. REMOVE EXISTING NEON LIGHTING AND POWER SUPPLIES INCLUDING LOAD CENTER AT STAGE.
3. VERTICAL, SURFACE MOUNTED INCANDESCENT LUMINAIRE TO BE REPLACED WITH NEW LUMINAIRES, REFER TO THEATRICAL DRAWINGS AND SPECIFICATION, TYPICAL FOR ALL TYPE 'RP'.
4. EXISTING JUNCTION BOX WITH CLOTH INSULATION CONDUCTORS. REMOVE ALL CLOTH WIRING CONDUCTORS AN REPLACE WITH NEW AS REQUIRED.

Professional Seal

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COA 27158
Project No. 13067

Tampa Theatre – Electrical Service and Generator Replacement

Tampa, Florida

Drawing Title: UPPER BALCONY LEVEL ELECTRICAL DEMOLITION PLAN

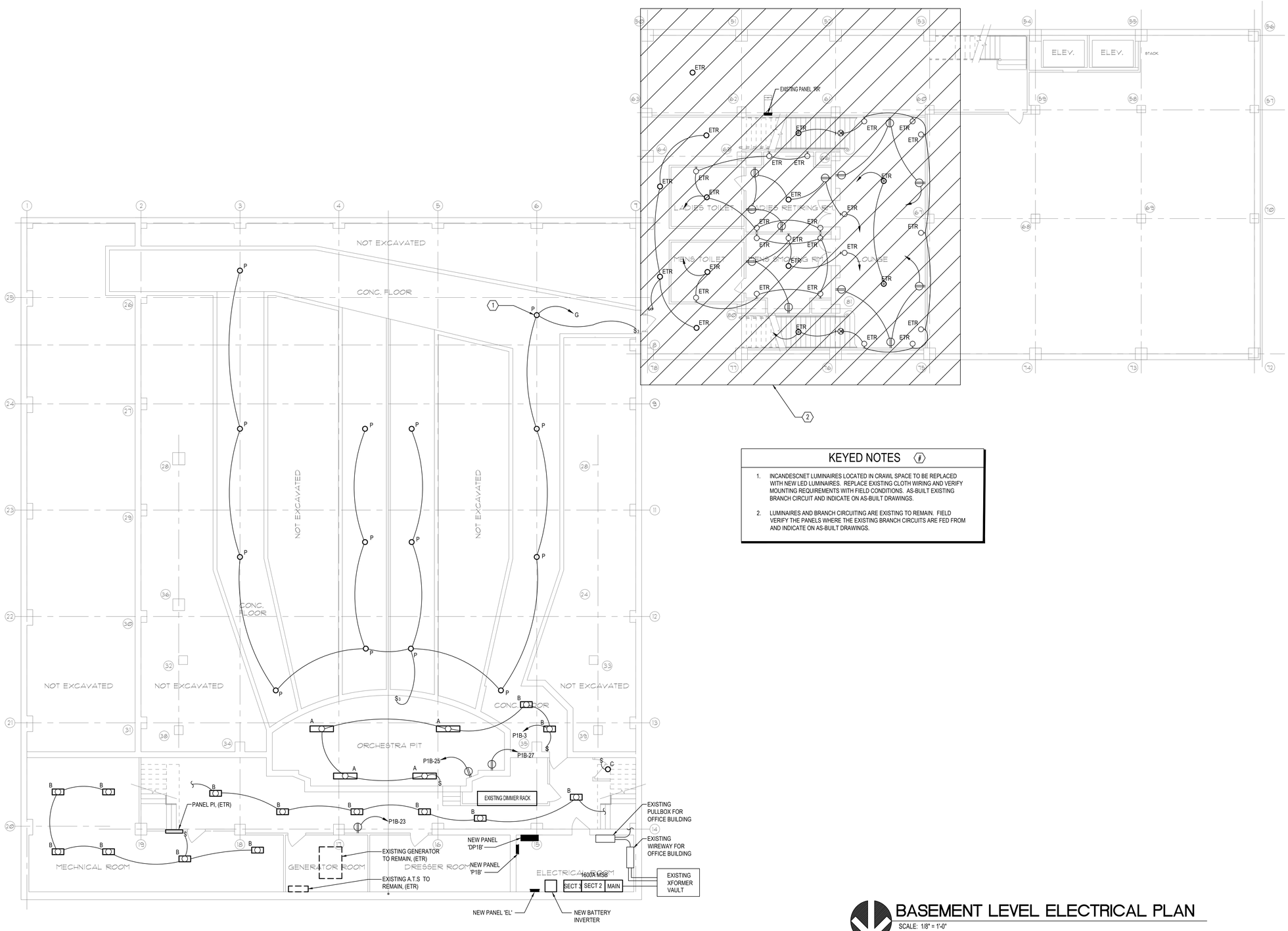
No.	Description	Date

DESIGN BY: DR
CHECKED BY: DF
SCALE: AS NOTED

ISSUED FOR: Construction Documents — DATE: 04/30/15

Drawing No.

E1.4A



KEYED NOTES

1. INCANDESCNET LUMINAIRES LOCATED IN CRAWL SPACE TO BE REPLACED WITH NEW LED LUMINAIRES. REPLACE EXISTING CLOTH WIRING AND VERIFY MOUNTING REQUIREMENTS WITH FIELD CONDITIONS. AS-BUILT EXISTING BRANCH CIRCUIT AND INDICATE ON AS-BUILT DRAWINGS.
2. LUMINAIRES AND BRANCH CIRCUITING ARE EXISTING TO REMAIN. FIELD VERIFY THE PANELS WHERE THE EXISTING BRANCH CIRCUITS ARE FED FROM AND INDICATE ON AS-BUILT DRAWINGS.

BASEMENT LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

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Professional Seal

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida

Drawing Title: BASEMENT LEVEL ELECTRICAL PLAN

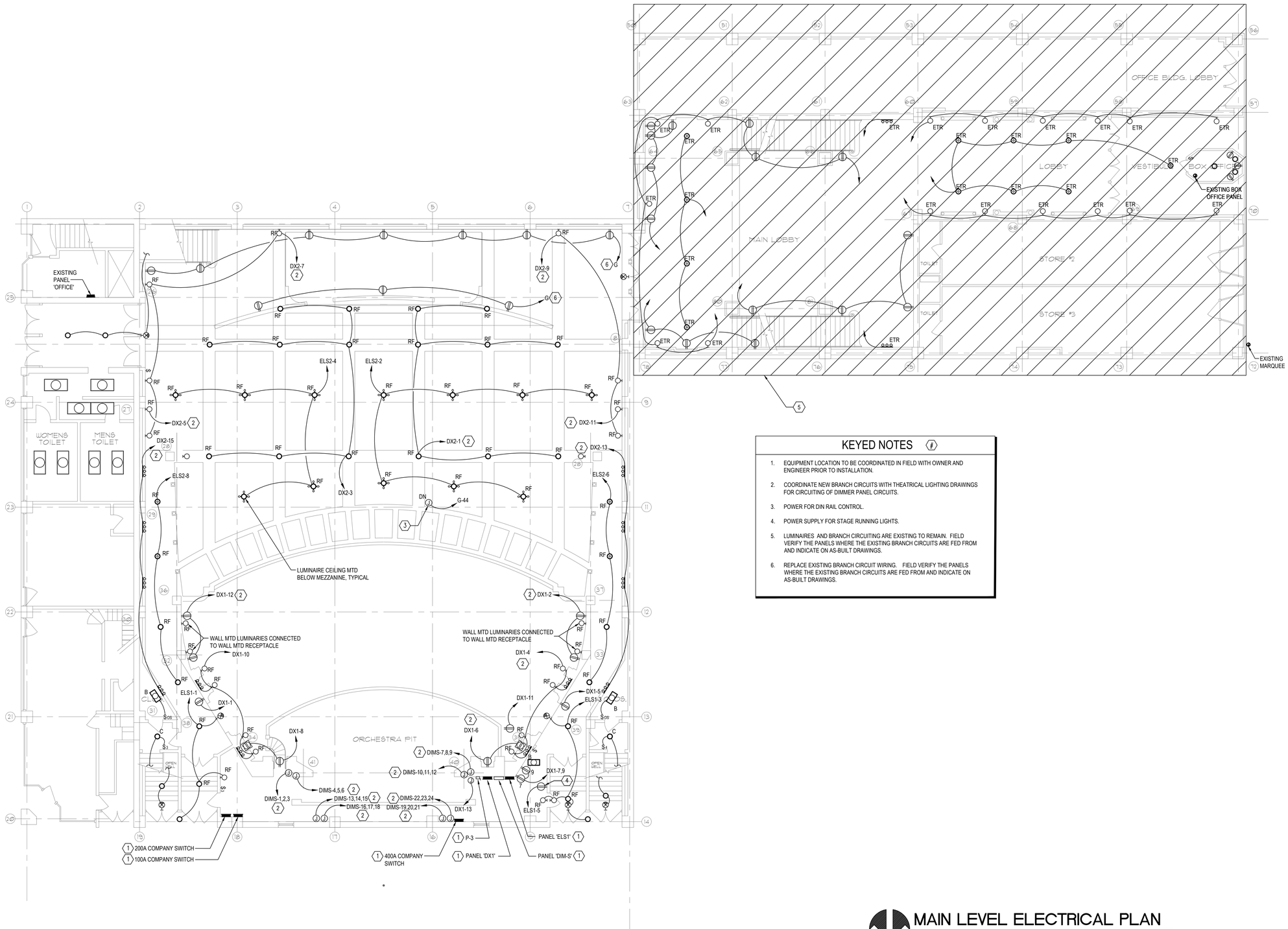
No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents — DATE: 04/30/15

Drawing No.

E2.0A



KEYED NOTES

1. EQUIPMENT LOCATION TO BE COORDINATED IN FIELD WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
2. COORDINATE NEW BRANCH CIRCUITS WITH THEATRICAL LIGHTING DRAWINGS FOR CIRCUITING OF DIMMER PANEL CIRCUITS.
3. POWER FOR DIN RAIL CONTROL.
4. POWER SUPPLY FOR STAGE RUNNING LIGHTS.
5. LUMINAIRES AND BRANCH CIRCUITING ARE EXISTING TO REMAIN. FIELD VERIFY THE PANELS WHERE THE EXISTING BRANCH CIRCUITS ARE FED FROM AND INDICATE ON AS-BUILT DRAWINGS.
6. REPLACE EXISTING BRANCH CIRCUIT WIRING. FIELD VERIFY THE PANELS WHERE THE EXISTING BRANCH CIRCUITS ARE FED FROM AND INDICATE ON AS-BUILT DRAWINGS.

MAIN LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

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Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida.

Drawing Title: MAIN LEVEL ELECTRICAL PLAN

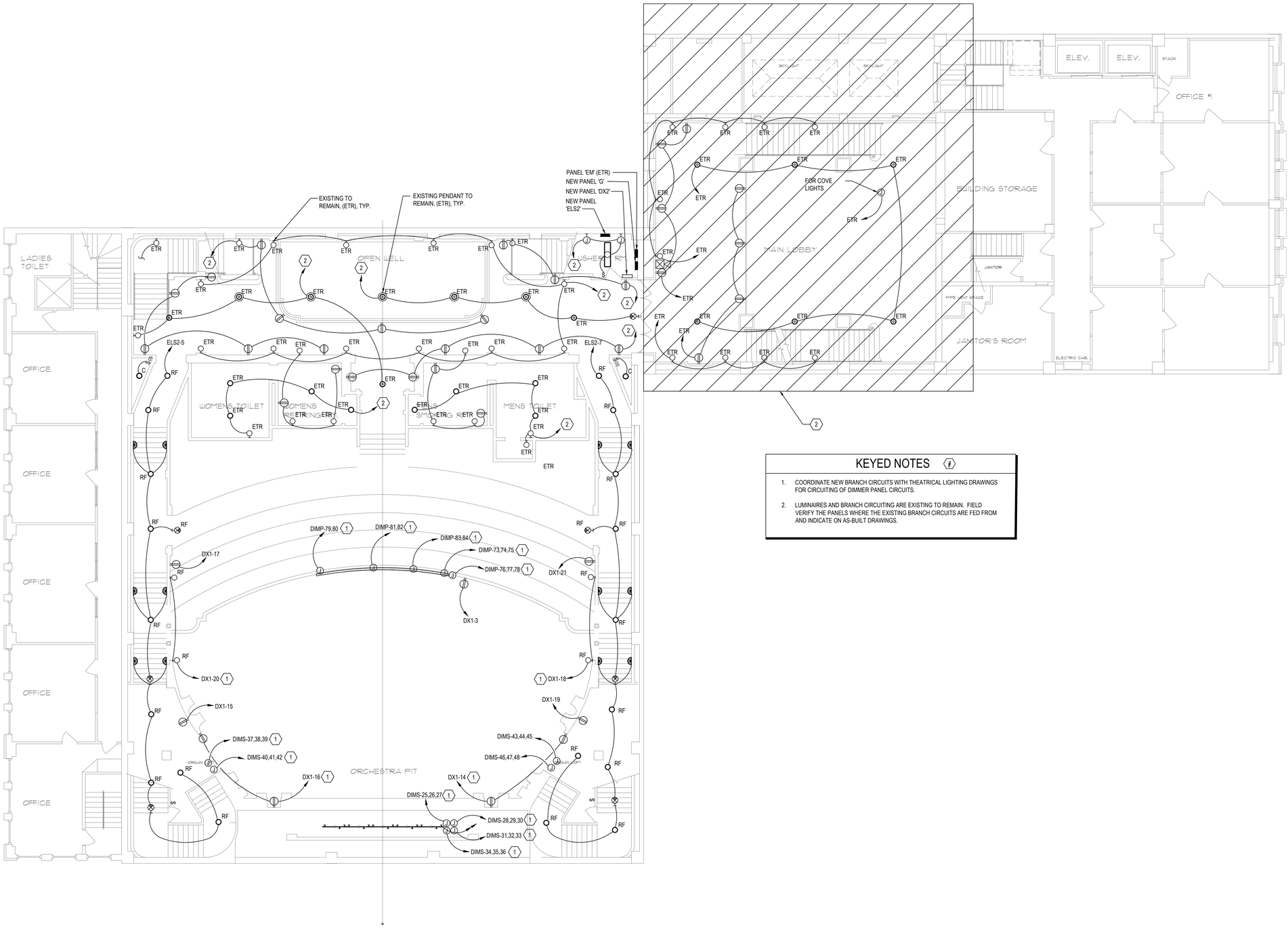
No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E2.1A



KEYED NOTES

1. COORDINATE NEW BRANCH CIRCUITS WITH THEATRICAL LIGHTING DRAWINGS FOR CIRCUITING OF DIMMER PANEL CIRCUITS.
2. LUMINAIRES AND BRANCH CIRCUITING ARE EXISTING TO REMAIN. FIELD VERIFY THE PANELS WHERE THE EXISTING BRANCH CIRCUITS ARE FED FROM AND INDICATE ON AS-BUILT DRAWINGS.

MEZZANINE LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

Professional Seal

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COA 27158
Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
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Drawing Title: MEZZANINE LEVEL ELECTRICAL PLAN

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

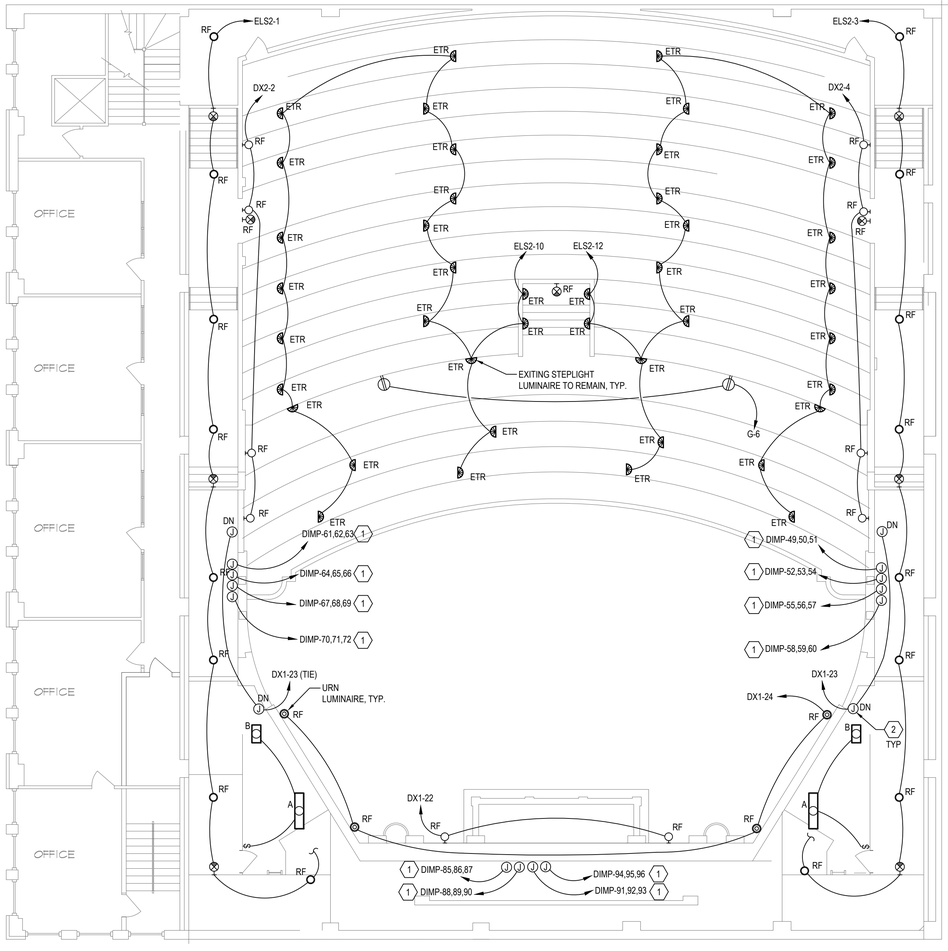
ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E2.2A

KEYED NOTES

1. COORDINATE NEW BRANCH CIRCUITS WITH THEATRICAL LIGHTING DRAWINGS FOR CIRCUITING OF DIMMER PANEL CIRCUITS.
2. POWER FOR DIN RAIL CONTROL.



MEZZANINE LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

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Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid

Tampa, Florida

Drawing Title: MEZZANINE LEVEL ELECTRICAL PLAN

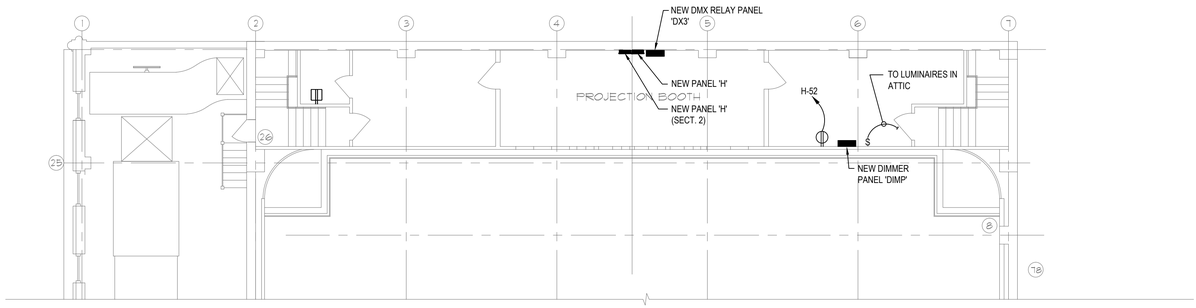
No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

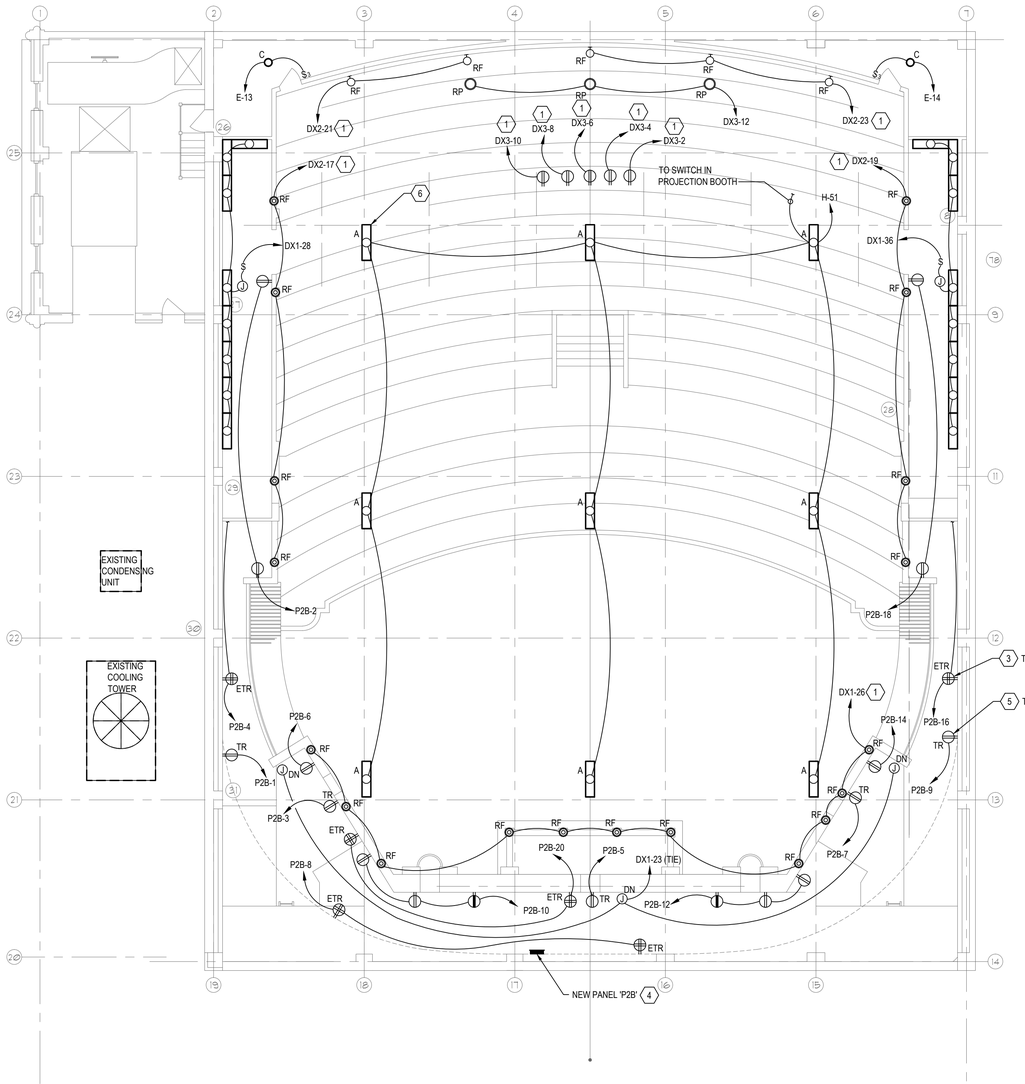
Drawing No.

E2.3A



PROJECTION BOOTH LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

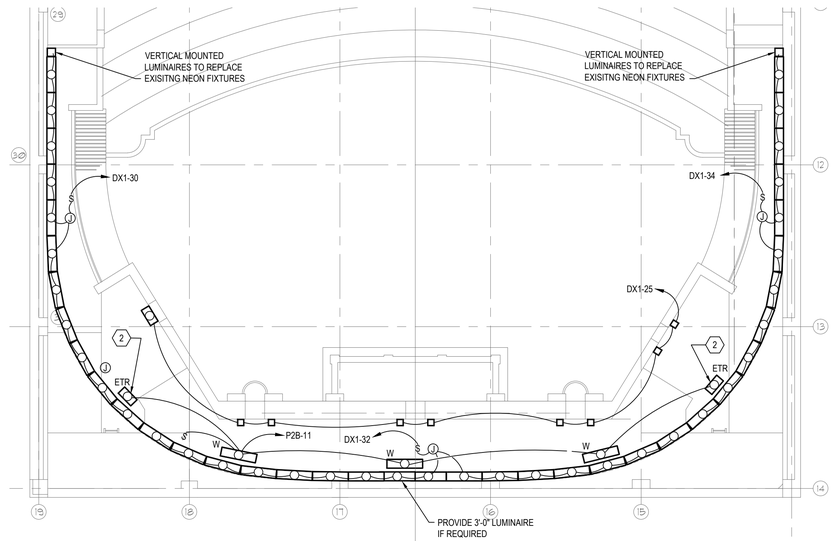


BALCONY LEVEL ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

KEYED NOTES

1. COORDINATE NEW BRANCH CIRCUITS WITH THEATRICAL LIGHTING DRAWINGS FOR CIRCUITING OF DIMMER PANEL CIRCUITS.
2. EXISTING LUMINAIRE TO BE RE-CIRCUITED AS INDICATED.
3. EXISTING RECEPTACLE TO BE RE-CIRCUITED AS INDICATED.
4. COORDINATE FINAL LOCATION OF PANELBOARD ALONG BACK WALL WITH OWNER.
5. DEDICATED RECEPTACLE, ('TR'), FOR THEATRICAL LIGHTING SYSTEM. COORDINATE FINAL MOUNTING LOCATION IN FIELD WITH THEATRICAL LIGHTING VENDOR.
6. TYPE 'A' LUMINAIRE TO BE MOUNTED FROM STRUCTURE IN ATTIC SPACE, TYPICAL OF 9.
7. POWER FOR DIN RAIL CONTROL.



BALCONY LEVEL LIGHTING PLAN

SCALE: 1/8" = 1'-0"

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COA 27158
Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid
Tampa, Florida

Drawing Title: UPPER BALCONY AND PROJECTION BOOTH LEVEL ELECTRICAL PLAN

No.	Description	Date

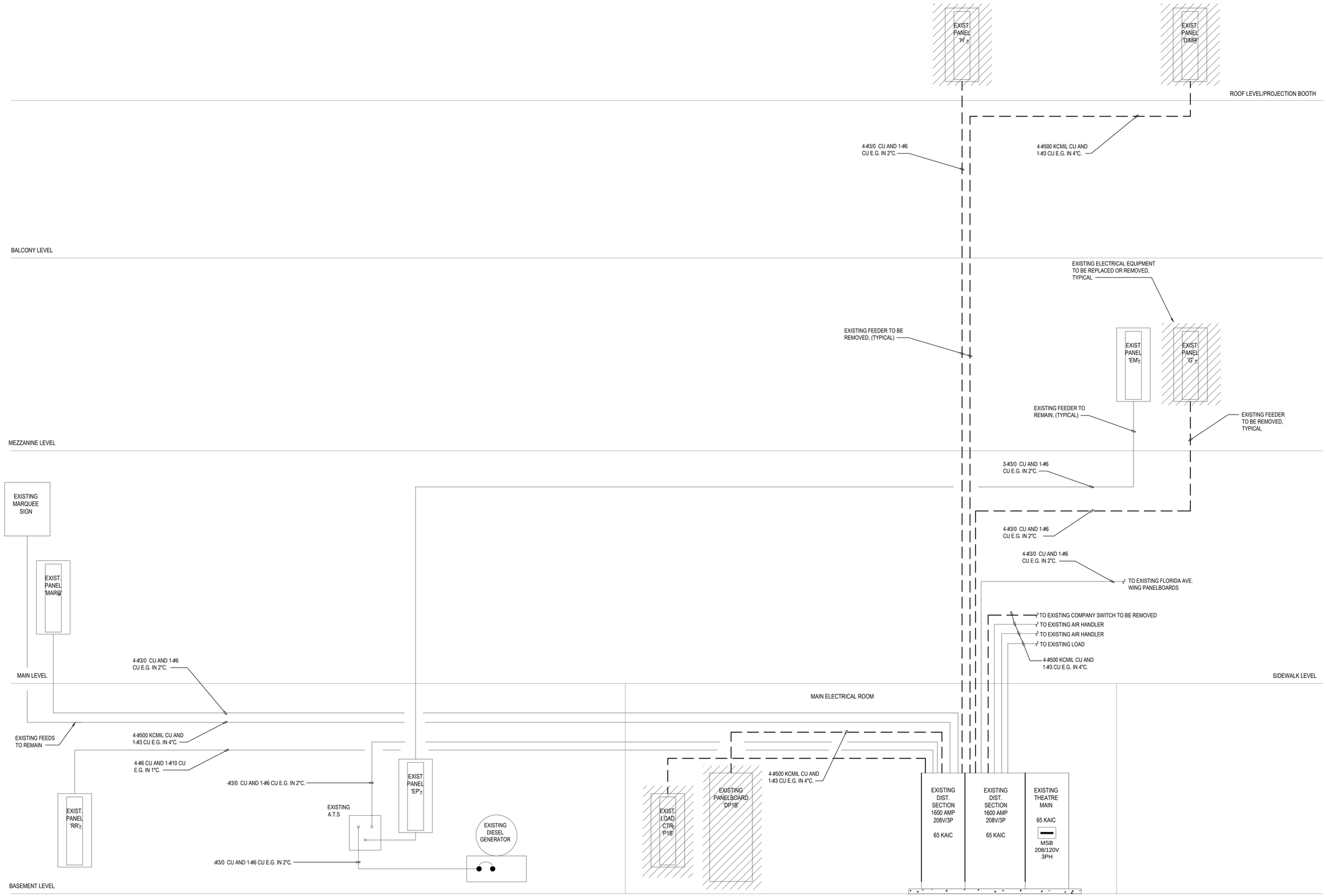
DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E2.4A

Filename:L:\2015--JOBS\01.15.017_Tampa_Theater_\House\Performance_Lighting\CAD\Constructs\Electrical\E2.4A Plot Date:5/6/2015 4:57 PM Plotted By:David Freeman



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Project No. 01.15.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid

Tampa, Florida.

Drawing Title

ELECTRICAL DEMOLITION RISER DIAGRAM

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

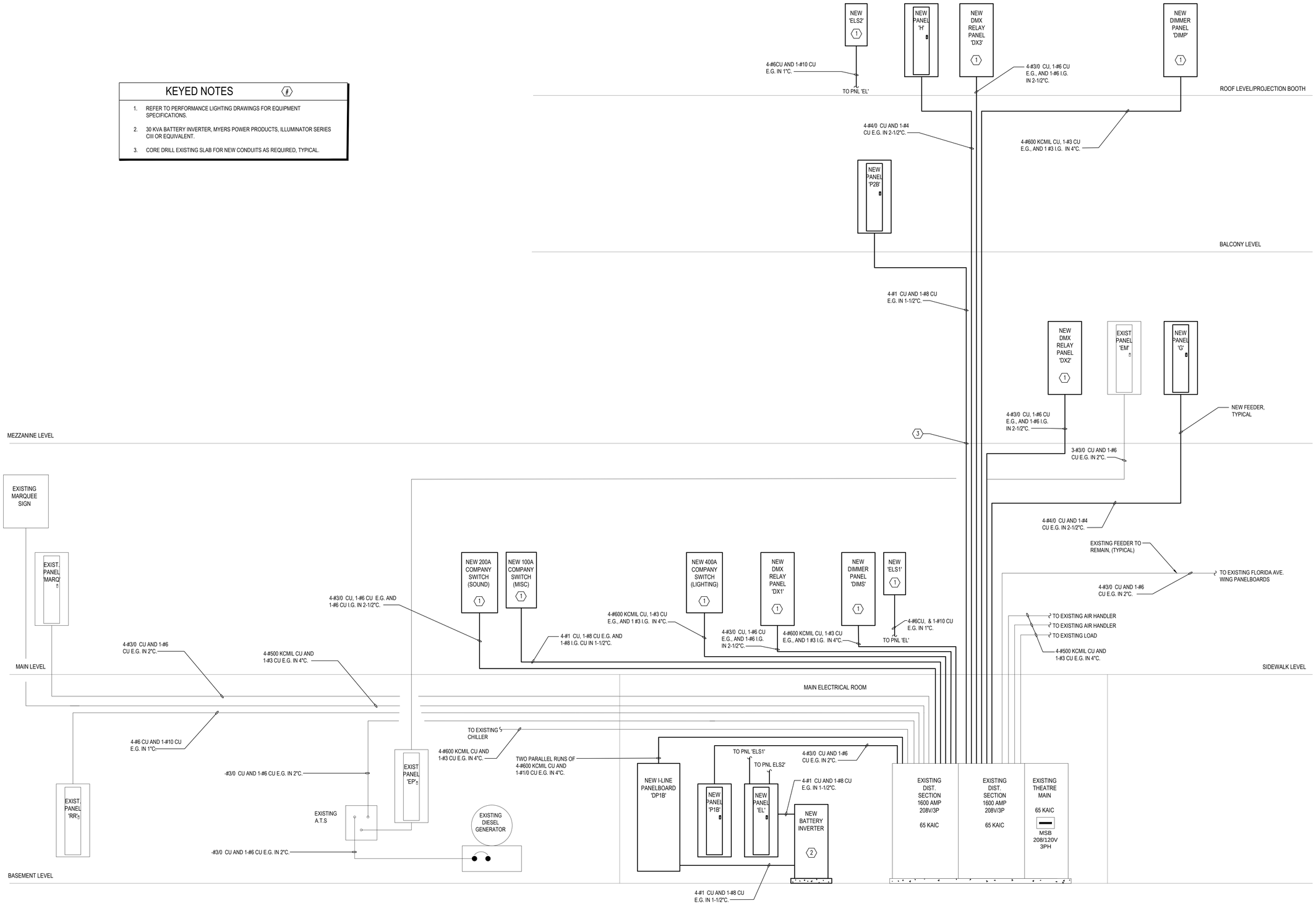
Drawing No.

E3.1A

Filename:L:\2015-_JOBS\01.15.017_Tampa_Theater_House Performance_Lighting\CAD\Constructs\Electrical\E3.1A-E3.2A Plot Date:5/6/2015 4:31 PM Plotted By:David Freeman

KEYED NOTES

1. REFER TO PERFORMANCE LIGHTING DRAWINGS FOR EQUIPMENT SPECIFICATIONS.
2. 30 KVA BATTERY INVERTER, MYERS POWER PRODUCTS, ILLUMINATOR SERIES CIII OR EQUIVALENT.
3. CORE DRILL EXISTING SLAB FOR NEW CONDUITS AS REQUIRED, TYPICAL.



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Project No. 01.5.017

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid

Tampa, Florida

Drawing Title: ELECTRICAL RISER DIAGRAM

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E3.2A

"MSB"

MAIN BREAKER: 1600 AMPS
SQUARE D QED
LABEL: ULSE

PANEL: "MSB"
BUS RATING: 1600 AMPS
A/C RATING: 65000 AMPS
STYLE: SWITCHBOARD

NOTES	CIRCUIT NUMBER	CIRCUIT DESIGNATION	NEMA POLE	Voltage FRAME	Voltage TRIP	Mount TYPE	FEEDER	CONDUIT	KVA	NOTES
	1	COMPANY SWITCH - 400A	3	600	400	PACTL	SEE RISER DIAGRAM		17	2
	2	HVAC (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		23	2
	3	HVAC (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		23	2
	4	SCREEN (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		13	2
	5	PROJECTOR BOOTH DIMMER 'DIMP'	3	600	400	PACTL	SEE RISER DIAGRAM		38.4	2
	6	SPACE	3	600	400	PACTL				2
	7	PANEL 'P2B'	3	150	100	PACTH	SEE RISER DIAGRAM		7.7	2
	8	PANEL RR (EXISTING)	3	150	60	PACTH	SEE RISER DIAGRAM		6.5	2
	9	FLORIDA AVE. WING PANELS (EXISTING)	3	250	200	PACTJ	SEE RISER DIAGRAM		12.7	2
	10	PANEL 'H'	3	250	225	PACTJ	SEE RISER DIAGRAM		65.5	2
	11	MARQUEE SIGN (EXISTING)	3	250	200	PACTJ	SEE RISER DIAGRAM		7.7	2
	12	PANEL 'G'	3	250	225	PACTJ	SEE RISER DIAGRAM		42.5	2
	13	PANEL 'P1B'	3	250	200	PACTJ	SEE RISER DIAGRAM		14.4	2
	14	PANEL E (EXISTING)	2	250	200	PACTJ	SEE RISER DIAGRAM		13.2	2
	15	MARQUEE BOARD (EXISTING)	3	600	400	PACTJ	SEE RISER DIAGRAM		8.7	2
	16	DMX RELAY PANEL 'DX1'	3	250	200	PACTJ	SEE RISER DIAGRAM		20	2
	17	DMX RELAY PANEL 'DX2'	3	250	200	PACTJ	SEE RISER DIAGRAM		14.9	2
	18	DMX RELAY PANEL 'DX3'	3	250	200	PACTJ	SEE RISER DIAGRAM		12.7	2
	19	COMPANY SWITCH - 100A	3	150	100	PACTJ	SEE RISER DIAGRAM		9.8	2
	20	COMPANY SWITCH - 200A	3	250	200	PACTJ	SEE RISER DIAGRAM		11.9	2
	21	BREAKER (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		17	2
	22	CHILLER (EXISTING)	3	600	400	PACTL	SEE RISER DIAGRAM		87	2
	23	STAGE DIMMER BOARD 'DIMS'	3	600	400	PACTL	SEE RISER DIAGRAM		38.4	2
	24	SPARE	3	600		PACTL				2
	25	SPARE	3	600		PACTL				2
	26	DISTRIBUTION BOARD 'DP1B'	3	800	800	LH	SEE RISER DIAGRAM		126.5	2

TOTAL CONNECTED LOAD (KVA) 631.5
TOTAL DEMAND LOAD (KVA) 524.145
TOTAL CONNECTED LOAD AT 120/208V, 3PH 1,754.95 AMPS
TOTAL DEMAND LOAD AT 120/208V, 3PH 1,456.61 AMPS

AVAILABLE FAULT CURRENT AT TRANSFORMER BUSHINGS IS LESS THAN 65,000 A/C.

NOTES:
1 EXISTING SWITCHBOARD
2 EXISTING CIRCUIT BREAKER
3
4

DP1B

MAIN LUGS: 800 AMPS
LABEL: ULSE

PANEL: DP1B
BUS RATING: 800 AMPS
A/C RATING: 22000 AMPS
STYLE: SQUARE D HCP I-LINE 99" MTG SPACE

NOTES	CIRCUIT NUMBER	CIRCUIT DESIGNATION	NEMA POLE	Voltage FRAME	Voltage TRIP	Mount TYPE	FEEDER	CONDUIT	KVA	NOTES
	1	THEATRE BOOTH PWR/SOUND/A/C	3	225	200	PACTJ	EXISTING SEE RISER DIAGRAM		32	1
	2	SUMP PUMP	3	225	200	PACTJ	EXISTING SEE RISER DIAGRAM		14	1
	3	EXISTING LOAD	3	225	200	PACTJ	EXISTING SEE RISER DIAGRAM		26	1
	4	ENGINE ROOM	3	400	400	PACTL	EXISTING SEE RISER DIAGRAM		31	1
	5	SPARE	3	400	400	PACTL				1
	6	SPARE	3	400	400	PACTL				
	7	SPARE	3	400	400	PACTL				
	8	PANEL EL	3	225	125	PACTJ	SEE RISER DIAGRAM		9.5	1
	9	SPARE	3	225	200	PACTJ				1
	10	SPARE	3	225	200	PACTJ				
	11	SPARE	3	60	60	PACTH				
	12	SPARE	3	60	60	PACTH				
	13	SPACE	3	60						
	14	SPACE	3	60						
	15	EXISTING LOAD	3	100	100	PACTH	EXISTING SEE RISER DIAGRAM		14	2
	16	SPACE	3	100						
	17	SPACE	3	100						
	18	SPACE	3	100						

TOTAL CONNECTED LOAD (KVA) 126.5
TOTAL DEMAND LOAD (KVA)
TOTAL CONNECTED LOAD AT 120/208V, 3PH 351.55 AMPS
TOTAL DEMAND LOAD AT 120/208V, 3PH 0.00 AMPS

NOTES:
1 PROVIDE WITH AM METER TRIP UNIT
2 RECONNECT EXISTING FEEDER FROM LOAD CENTER 'P1B'. EXTEND CONDUIT AND CONDCUTORS AS REQUIRED.

DIMP

DIMMER PANEL
MAIN LUGS YES AMPS

PANEL DIMP
BUS RATNG 400 AMPS
AIC RATING 22000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	48	Circuit DIM	Mount 1	NEMA	Voltage 120	208								
	49	LUMINAIRES 38-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 29-VA6	73	
	50	LUMINAIRES 38-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 29-VA6	74	
	51	LUMINAIRES 38-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 29-VA6	75	
	52	LUMINAIRES 38-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 29-VA6	76	
	53	LUMINAIRES 38-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 29-VA6	77	
	54	LUMINAIRES 38-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 29-VA6	78	
	55	LUMINAIRES 38-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 23-ET2	79	
	56	LUMINAIRES 38-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 23-ET2	80	
	57	LUMINAIRES 38-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 24-ET2	81	
	58	LUMINAIRES 38-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 24-ET2	82	
	59	LUMINAIRES 38-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 25-ET2	83	
	60	LUMINAIRES 38-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 25-ET2	84	
	61	LUMINAIRES 37-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 31-VA12	85	
	62	LUMINAIRES 37-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	86	
	63	LUMINAIRES 37-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	87	
	64	LUMINAIRES 37-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 31-VA12	88	
	65	LUMINAIRES 37-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	89	
	66	LUMINAIRES 37-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	90	
	67	LUMINAIRES 37-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 31-VA12	91	
	68	LUMINAIRES 37-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	92	
	69	LUMINAIRES 37-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	93	
	70	LUMINAIRES 37-VA12	12	20	1	L	0.80	0.80		L	1	20	12	LUMINAIRES 31-VA12	94	
	71	LUMINAIRES 37-VA12	12	20	1	L		0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	95	
	72	LUMINAIRES 37-VA12	12	20	1	L			0.80	0.80	L	1	20	12	LUMINAIRES 31-VA12	96	
		Phase kVA					12.800	12.800	12.800							
		Total kVA					38.400		Total Amps	106.71						
		Total Demand kVA					48.000		Dem Load Amps	133.39						

LIGHTING "L": 38.400 KVA @ 1.25 DF= 48.000 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
1 DIMMER PANEL, REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE
2
3
4

DIMS

DIMMER PANEL
MAIN LUGS YES

PANEL DIMS
BUS RATING 400 AMPS
AIC RATING 22000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	48	Circuit DIM	Mount 1	NEMA	Voltage 120	208								
	1	LUMINARES 1-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 28-VT2	25	
	2	LUMINARES 1-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 28-VT2	26	
	3	LUMINARES 1-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 28-VT2	27	
	4	LUMINARES 1-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 28-VT2	28	
	5	LUMINARES 1-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 28-VT2	29	
	6	LUMINARES 1-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 28-VT2	30	
	7	LUMINARES 2-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 28-VT2	31	
	8	LUMINARES 2-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 28-VT2	32	
	9	LUMINARES 2-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 28-VT2	33	
	10	LUMINARES 2-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 28-VT2	34	
	11	LUMINARES 2-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 28-VT2	35	
	12	LUMINARES 2-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 28-VT2	36	
	13	LUMINARES 3-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 11-VA6	37	
	14	LUMINARES 3-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 11-VA6	38	
	15	LUMINARES 3-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 11-VA6	39	
	16	LUMINARES 3-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 11-VA6	40	
	17	LUMINARES 3-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 11-VA6	41	
	18	LUMINARES 3-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 11-VA6	42	
	19	LUMINARES 4-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 12-VA6	43	
	20	LUMINARES 4-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 12-VA6	44	
	21	LUMINARES 4-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 12-VA6	45	
	22	LUMINARES 4-VA6	12	20	1	L	0.80	0.80		L	1	20	12	LUMINARES 12-VA6	46	
	23	LUMINARES 4-VA6	12	20	1	L		0.80	0.80	L	1	20	12	LUMINARES 12-VA6	47	
	24	LUMINARES 4-VA6	12	20	1	L			0.80	0.80	L	1	20	12	LUMINARES 12-VA6	48	
		Phase kVA					12.800	12.800	12.800							
		Total kVA					38.400		Total Amps	106.71						
		Total Demand kVA					48.000		Dem Load Amps	133.39						

LIGHTING "L": 38.400 KVA @ 1.25 DF= 48.000 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
1 DIMMER PANEL, REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE
2
3
4

P1B

MAIN LUGS YES
NEW SQUARE D NQOD PANEL

PANEL P1B
BUS RATING 200 AMPS
AIC RATING 22000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	42	Circuit Surface	Mount 1	NEMA	Voltage 120	208								
1	1	EXISTING CIRCUIT	12	20	1	S	0.90			L	1	20		SPARE	2	1
	3	GENERAL LIGHTING	12	20	1	L		0.23		L	1	20		SPARE	4	1
	5			20	1						1	20		SPARE	6	1
1	7	EXISTING CIRCUIT	12	20	1	S	0.72	0.72		S	1	20	12	EXISTING CIRCUIT	8	1
1	9	EXISTING CIRCUIT	12	20	1	S			0.72	1.08	R	1	20	12	REC BY ORGAN BLOWER	10	1
1	11	EXISTING CIRCUIT	12	20	1	S				0.72	1.13	M	1	20	12	PUMP REC MECH RM	12	1
1	13	EXISTING CIRCUIT	12	20	1	S	0.72	1.13				M	1	20	12	PUMP REC GEN RM	14	1
1	15	EXISTING CIRCUIT	12	20	1	S			0.72	0.72		S	1	20	12	RECEPT/PHONE	16	1
1	17	EXISTING CIRCUIT	12	20	1	S				0.90	1.13	M	1	20	12	PUMP REC ORCH. PIT	18	1
	19	SPARE		20	1								1	20		SPARE	20	
	21	SPARE		20	1								1	20		SPARE	22	
	23	RECEPTACLE	12	20	1	R				0.36			1	20	10	RECEPTACLE	24	
	25	RECEPTACLE	12	20	1	R	0.36	0.90				S	1	20	10	RECEPTACLE	26	
	27	RECEPTACLE	12	20	1	R			0.36	0.90		S	1	20		SPARE	28	
	29	SPARE		20	1								1	20		SPARE	30	
	31	SPARE		20	1								1	20		SPARE	32	
	33	SPARE		20	1								1	20		SPARE	34	
	35	SPARE		20	1								1	20		SPARE	36	
	37	SPACE														SPACE	38	
	39	SPACE														SPACE	40	
	41	SPACE														SPACE	42	
		Phase kVA					5.447	4.730	4.234									
		Total kVA					14.411		Total Amps	40.05								
		Total Demand kVA					15.314		Dem Load Amps	42.56								

LIGHTING "L": 0.230 KVA @ 1.25 DF= 0.288 KVA
RECEPT "R": 2.160 KVA, 1ST 10KVA + 50% OF REMAINDER= 2.160 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 3.381 KVA, TOTAL + 25% OF LARGEST= 4.226 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 8.640 KVA @ 1.00 DF= 8.640 KVA

NOTES:
1 RECONNECT EXISTING BRANCH CIRCUIT TO NEW PANELBOARD. EXTEND CONDUIT AND CONDCUTORS AS REQUIRED.
2
3
4

P2B

MAIN LUGS YES
NEW SQUARE D NQOD PANEL

PANEL P2B
BUS RATING 100 AMPS
AIC RATING 22000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	42	Circuit Surface	Mount 1	NEMA	Voltage 120	208								
	1	LIGHTING CONTRL-BOX 135	12	20	1	S	0.40	0.36		L	1	20		SPARE	2	
	3	LIGHTING CONTRL-BOX 133	12	20	1	S		0.40	0.72		R	1	20	12	GENERAL REC	4	
	5	LIGHTING CONTRL-BOX 132	12	20	1	S			0.18	0.70	R	1	20	12	GENERAL REC	6	
	7	LIGHTING CONTRL-BOX 134	12	20	1	S	0.40	0.72			R	1	20	12	GENERAL REC	8	
	9	LIGHTING CONTRL-BOX 136	12	20	1	S		0.40	0.54		R	1	20	12	GENERAL REC	10	
	11	GENERAL LIGHTS	12	20	1	L			0.35	0.54	R	1	20	12	GENERAL REC	12	
	13	SPARE		20	1			0.18			R	1	20	12	GENERAL REC	14	
	15	SPARE		20	1				0.72		R	1	20	12	GENERAL REC	16	
	17	SPARE		20	1					0.36	R	1	20	12	GENERAL REC	18	
	19	SPARE		20	1			0.72			R	1	20	12	GENERAL REC	20	
	21	SPARE		20	1							1	20		SPARE	22	
	23	SPARE		20	1							1	20		SPARE	24	
	25	SPARE		20	1							1	20		SPARE	26	
	27	SPARE		20	1							1	20		SPARE	28	
	29	SPARE		20	1							1	20		SPARE	30	
	31	SPARE		20	1							1	20		SPARE	32	
	33	SPARE		20	1							1	20		SPARE	34	
	35	SPARE		20	1							1	20		SPARE	36	
	37	SPACE													SPACE	38	
	39	SPACE													SPACE	40	
	41	SPACE													SPACE	42	
		Phase kVA					2.780	2.780	2.130							
		Total kVA					7.690		Total Amps	21.37						
		Total Demand kVA					7.778		Dem Load Amps	21.61						

LIGHTING "L": 0.350 KVA @ 1.25 DF= 0.438 KVA
RECEPT "R": 5.560 KVA, 1ST 10KVA + 50% OF REMAINDER= 5.560 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 1.780 KVA @ 1.00 DF= 1.780 KVA

NOTES:
1
2
3
4

ELS1

MAIN LUGS YES
NEW DMX RELAY PANEL

PANEL ELS1
BUS RATING 60 AMPS
AIC RATING 10000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	12	Circuit Surface	Mount 1	NEMA	Voltage 120	208								
	1	CORRIDOR LIGHTS	12	20	1	L	0.50				1	20		SPARE	2	
	3	CORRIDOR LIGHTS	12	20	1	L		0.50			1	20		SPARE	4	
	5	STAGE RUNNING LIGHTS	12	20	1	L			0.70		1	20		SPARE	6	
	7	SPARE		20	1						1	20		SPARE	8	
	9	SPARE		20	1						1	20		SPARE	10	
	11	SPARE		20	1						1	20		SPARE	12	
	13	NON-USABLE SPACE												NON-USABLE SPACE		
	15	NON-USABLE SPACE												NON-USABLE SPACE		
	17	NON-USABLE SPACE												NON-USABLE SPACE		
		Phase kVA					0.500	0.500	0.700							
		Total kVA					1.700		Total Amps	4.72						
		Total Demand kVA					2.125		Dem Load Amps	5.91						

LIGHTING "L": 1.700 KVA @ 1.25 DF= 2.125 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
1 DIMMER PANEL, REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE
2
3
4

ELS2

MAIN LUGS YES
NEW DMX RELAY PANEL

PANEL ELS2
BUS RATING 60 AMPS
AIC RATING 10000 AMPS

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
		Phase 3	12	Circuit Surface	Mount 1	NEMA	Voltage 120	208								
	1	CORRIDOR LIGHTS	12	20	1	L	1.20	0.70			1	20		SPARE	2	
	3	CORRIDOR LIGHTS	12	20	1	L		1.20	0.70		1	20		SPARE	4	
	5	CORRIDOR LIGHTS	12	20	1	L			1.20	0.40	L	1	20	12	1ST FL CORRIDOR LIGHTS	6	
	7	CORRIDOR LIGHTS	12	20	1	L	1.20	0.40			L	1	20	12	1ST FL CORRIDOR LIGHTS	8	
	9	SPARE		20	1				0.40		L	1	20	12	STEP LIGHTS	10	
	11	SPARE		20	1					0.40	L	1	20	12	STEP LIGHTS	12	
	13	NON-USABLE SPACE													NON-USABLE SPACE		
	15	NON-USABLE SPACE													NON-USABLE SPACE		
	17	NON-USABLE SPACE													NON-USABLE SPACE		
		Phase kVA					3.500	2.300	2.000							
		Total kVA					7.800		Total Amps	21.68						
		Total Demand kVA					9.750		Dem Load Amps	27.10						

LIGHTING "L": 7.800 KVA @ 1.25 DF= 9.750 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
1 DIMMER PANEL, REFER TO THEATRICAL DRAWINGS AND SPECIFICATIONS FOR TYPE
2
3
4

PANEL SCHEDULES		
MSB	DP1B	DIMP
DIMS	P1B	P2B
ELS1	ELS2	

VOLT-AIR
CONSULTING ENGINEERS
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COA 27158

Project No. 015.017

Professional Seal

Tampa Theatre – Theatrical Lighting Upgrade and Renovation – Alt. Bid

Tampa, Florida.

Drawing Title

PANEL SCHEDULES

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E4.0A

PANEL EL

MAIN BREAKER: 125 AMPS
MAIN LUGS: AMPS
LABEL: ULSE

PANEL: EL
BUS RATING: 400 AMPS
AIC RATING: 22000 AMPS
STYLE: SQUARE D HCP I-LINE 72" MTG SPACE

NOTES	CIRCUIT NUMBER	CIRCUIT DESIGNATION	NEMA POLE	Voltage 120 FRAME	208 TRIP	Mount FEEDER TYPE	FEEDER	CONDUIT	KVA	NOTES
	1	PANEL ELS1	3	150	60	PACTJ	SEE RISER DIAGRAM		12	1
	2	PANEL ELS2	3	150	60	PACTJ	SEE RISER DIAGRAM		11	1
	3	SPARE	3	150	60	PACTJ				1
	4	SPARE	3	150	60	PACTL				1
	5	SPARE	3	150						
	6	SPARE	3	150						
	7	SPACE	3	150						
	8	SPACE	3	150						

TOTAL CONNECTED LOAD (KVA): 23
TOTAL DEMAND LOAD (KVA):
TOTAL CONNECTED LOAD AT 120/208V, 3PH: 63.92 AMPS
TOTAL DEMAND LOAD AT 120/208V, 3PH: 0.00 AMPS

NOTES:
1 PROVIDE WITH AM METER TRIP UNIT
2
3
4

PANEL G

SINGLE 72 POLE PANEL
MAIN LUGS YES

BUS RATING 225 AMPS
AIC RATING 22000 AMPS

Phase 3 | Circuit 72 | Mount Surface | NEMA 1 | Voltage 120 208

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
1	1	ENT FOYER & CAND OVER BC	12	20	1	S	0.90				1	20		SPARE	2	
1	3	ENT FOYER CEIL LIGHTS	12	20	1	L		0.90			1	20		SPARE	4	
1	5	N. LOBBY RECEPTACLES	12	20	1	S			0.90	0.90	L	1	20	12 MAIN LOUNGE CEIL LIGHTS	6	1
1	7	CONCES STAND N&W LOBBY	12	20	1	S	0.72	0.72			L	1	20	12 R.R. SIGNS/LIGHTS/PLUGS	8	1
1	9	N. LOBBY WALL LIGHTS	12	20	1	L		0.72	1.08		R	1	20	12 LOUNGE WALL PLUG N/E	10	1
1	11	S LOBBY LIGHTS AND PLUGS	12	20	1	S			0.72	0.72	R	1	20	SPARE	12	1
1	13	S/E LOBBY PLUGS & BOOTH	12	20	1	S	0.72	1.13			R	1	20	12 DIES RM LOUNGE WALL PLUG	14	1
1	15	BLUE GRILLS ON LOBBY	12	20	1	S		0.72	0.72		L	1	20	12 ZZ LADIES RM PLUGS & LIGH	16	1
1	17	LOBBY TWINKLE STARS	12	20	1	L				0.90	1.13	L	1	20	12 MEZZ MENS PLUGS & LIGHTS	18	1
1	19	LOBBY BALC RAIL&N. WALL	12	20	1	S	0.90	0.90				L	1	20	12 L.R. SIGNS & MEZZ PLUGS N/W	20	1
1	21	MGR OFF & E WALL BAL	12	20	1	S		0.90	0.90			R	1	20	12 MEZZ PLUGS N/E	22	1
1	23	MGR OFFICE AC OUTLET	12	20	1	S				0.90	0.90	L	1	20	12 MEZZ WALL LIGHTS N. WALL	24	1
1	25	1ST MGR OFF LIGHTS & PLUG	12	20	1	L	1.20	0.90				R	1	20	12 MEZZ PLUGS S/W CORNER	26	1
1	27	MEZZANINE LIGHTS	12	20	1	L			1.20	0.90		L	1	20	12 MEZZ RAIL PLUGS & WALL S/E	28	1
1	29	BALCONY LIGHTS	12	20	1	L					1.30	0.90	S	1	20	12 MEZZ OUTSIDE ASST MGR OFF	30	1
1	31	LOBBY LIGHTS	12	20	1	L	1.32						L	1	20	12 MEZZ WALL BRACKETS S. WAL	32	1
1	33	CEILING BLUE NEON N.	12	20	1	L		0.90	0.90				R	1	20	12 AUD BACKWALL PLUGS S/E	34	1
1	35	CEILING BLUE NEON NE	12	20	1	L				0.90	0.72	R	1	20	12 AUD BACKWALL PLUGS S/W	36	1
1	37	CEILING BLUE NEON S/W	12	20	1	L	0.90								SPARE	38	
1	39	GENERATOR ROOM LIGHTS	12	20	1	L		0.30	0.72				R	1	20	12 BACK RAILING RECEPTACLES	40	1
1	41	JJ BOOTH WALL LIGHTS & PLU	12	20	1	L				0.87	0.54	R	1	20	12 BALCONY CLEANER REC	42	1
	43							0.20				S	1	20	12 LIGHTING CONTROL	44	
2	45	EXISTING CIRCUIT	12	20	1	S		0.80					1	20		SPARE	46	
2	47	EXISTING CIRCUIT	12	20	1	S			0.80				1	20		SPARE	48	
2	49	EXISTING CIRCUIT	12	20	1	S	0.80						1	20		SPARE	50	
2	51	EXISTING CIRCUIT	12	20	1	S		0.80					1	20		SPARE	52	
2	53	EXISTING CIRCUIT	12	20	1	S			0.80				1	20		SPARE	54	
2	55	EXISTING CIRCUIT	12	20	1	S	0.80						1	20		SPARE	56	
2	57	EXISTING CIRCUIT	12	20	1	S		0.80					1	20		SPARE	58	
2	59	EXISTING CIRCUIT	12	20	1	S			0.80				1	20		SPARE	60	
2	61	EXISTING CIRCUIT	12	20	1	S	0.80						1	20		SPARE	62	
2	63	EXISTING CIRCUIT	12	20	1	S		0.80					1	30		SPARE	64	
2	65	EXISTING CIRCUIT	12	20	1	S			0.80				1	30		SPARE	66	
	67	SPARE		20	1											SPACE	68	
	69	SPARE		20	1											SPACE	70	
	71	SPARE		20	1											SPACE	72	
				Phase kVA			12.907	14.060	15.497									
				Total kVA			42.464	Total Amps	118.01									
				Total Demand kVA			46.858	Dem Load Amps	130.22									

LIGHTING "L": 17.577 KVA @ 1.25 DF= 21.971 KVA
RECEPT "R": 7.607 KVA, 1ST 10KVA + 50% OF REMAINDER= 7.607 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 17.280 KVA @ 1.00 DF= 17.280 KVA

NOTES:
1 RECONNECT EXISTING BRANCH CIRCUIT FROM PANEL 'G' TO NEW PANELBOARD. EXTEND CONDUIT AND CONDCUTORS AS REQUIRED. AS-BUILT CIRCUIT AND INDICATE IN DIRECTORY
2 RECONNECT EXISTING BRANCH CIRCUIT FROM PANEL 'G1' TO NEW PANELBOARD. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED. AS-BUILT CIRCUIT AND INDICATE IN DIRECTORY
3
4

PANEL H

TWO 42 POLE PANELS
MAIN LUGS YES

BUS RATING 225 AMPS
AIC RATING 22000 AMPS

Phase 3 | Circuit 84 | Mount Surface | NEMA 1 | Voltage 120 208

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
1	1	CP 2220	12	20	3	S	0.90	0.90								
1	3	------	12			S		0.90	0.90							
1	5	------	12			S			0.90	0.90						
1	7	EXISTING CIRCUIT	12	20	1	S	0.72	1.70								
1	9	EXISTING CIRCUIT	12	20	1	S		0.72	1.70							
1	11	EXISTING CIRCUIT	12	20	1	S			0.72	1.70						
1	13	EX PROJECTOR #1 COOLER	12	20	1	S	0.72	1.70								
1	15	EXISTING CIRCUIT	12	20	1	S		0.72	1.70							
1	17	EXISTING CIRCUIT	12	20	2	S			0.90	1.70						
1	19	------	12			S	0.72	0.87								
1	21	EXISTING CIRCUIT	6	60	3	S			0.80							
1	23	SPARE	6			S				0.90						
1	25	------	6			S	0.90	1.50								
1	27	SPARE		20	1				1.50							
1	29	SPARE		20	1					1.50						
1	31	REC S. WALL E OF PROJ	12	20	1	S	0.72	0.72								
1	33	REC N WALL W OF BOARD	12	20	1	S		0.72	0.72							
1	35	REC N WALL E OF BOARD	12	20	1	S			0.72	0.90						
1	37	EX FAN	12	20	1	M	1.10	1.65								
1	39	REC FOR PROJECTOR	12	20	1	L		2.20	1.65							
1	41	REC S WALL & LTS N WALL	12	20	1	L				1.20	1.20					
1	43	LIGHTS PROJ BOOTH	12	20	1	L	1.30	0.90								
1	45	PROJ 2 MOTOR	12	20	1	S			1.35	0.95						
1	47	LAMP EXHAUST	12	20	2	M				0.90	1.35	M	2	20	12	EXHASUT FAN 2ND FL RR
1	49	------	12			M	1.35	1.35								
	51	NEW ATTIC LUMINAIRES	12	20	1	L			0.68	0.80						
	53	SPARE		20	1	R						R	1	20	12	LIGHTING DIMMER RACK
	55	SPARE		20	1	R	0.90					R	1	20	12	NEW RECEPTACLE
	57	SPARE		20	1	R		0.90								
	59	SPARE		20	1					0.90						
	61	SPARE		20	1											
	63	SPARE		20	1											
	65	SPARE		20	1											
	67	SPARE		20	1											
	69	SPARE		20	1											
	71	SPARE		20	1											
	73	SPARE		20	1											
	75	SPARE		20	1											
	77	SPARE		20	1											
	79	ELS2	6	60	3	S	3.20									
	81	------	6			S		3.20								
	83	------	6			S			3.20							
				Phase kVA			23.820	22.110	19.590							
				Total kVA			65.520	Total Amps	182.08							
				Total Demand kVA			65.740	Dem Load Amps	182.69							

LIGHTING "L": 6.580 KVA @ 1.25 DF= 8.225 KVA
RECEPT "R": 5.840 KVA, 1ST 10KVA + 50% OF REMAINDER= 5.840 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 5.650 KVA, TOTAL + 25% OF LARGEST= 6.475 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 45.200 KVA @ 1.00 DF= 45.200 KVA

NOTES:
1 RECONNECT EXISTING BRANCH CIRCUIT TO NEW PANELBOARD. EXTEND CONDUIT AND CONDCUTORS AS REQUIRED. AS-BUILT CIRCUIT AND INDICATE IN DIRECTORY
2 PROVIDE FEED THROUGH LUGS
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PANEL DX1

MAIN LUGS YES
NEW DMX RELAY PANEL

PANEL: DX1
BUS RATING 200 AMPS
AIC RATING 22000 AMPS

Phase 3 | Circuit 42 | Mount Surface | NEMA 1 | Voltage 120 208

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
	1	LIGHTING CONTRL-BOX 105	12	20	1	S	0.40 0.70			R	1	20	12	WALL REC STAGE RT	2	
	3	LIGHTING CONTRL-BOX 107	12	20	1	S		0.40 0.40		L	1	20	12	WALL LIGHTS STAGE RT	4	
	5	LIGHTING CONTRL-BOX 106	12	20	1	S			0.40 0.54	R	1	20	12	STAGE REC RT	6	
	7	LIGHTING CONTRL-BOX	12	20	1	S	0.40 0.54			R	1	20	12	STAGE REC LEFT	8	
	9	LIGHTING CONTRL-BOX	12	20	1	S		0.40 0.40		L	1	20	12	WALL LIGHTS STAGE LEFT	10	
	11	STAGE MARKER LIGHTS	12	20	1	S			0.70 0.36	R	1	20	12	WALL REC STAGE LEFT	12	
	13	EM BYPASS CONTROL	12	20	1	S	0.20 0.40			R	1	20	12	STAGE RT RECEPTACLES	14	
	15	DIN POWER SUPPLY	12	20	1	S		0.50 0.40		R	1	20	12	STAGE LEFT RECEPTACLES	16	
	17	LIGHTING CONTRL-BOX 126	12	20	1	S			0.40 0.20	L	1	20	12	WALL LTS STAGE RT	18	
	19	LIGHTING CONTRL-BOX 122	12	20	1	S	0.40 0.20			L	1	20	12	WALL LTS STAGE LEFT	20	
	21	LIGHTING CONTRL-BOX 127	12	20	1	S		0.40 0.20		L	1	20	12	WALL STAR LIGHTS	22	
	23	DIN POWER SUPPLY	12	20	1	S			0.40 0.40	L	1	20	12	WALL LTS STAGE RT/LEFT	24	
	25	LOFT BACK LIGHTS	12	20	1	L	0.65 0.90			L	1	20	12	POST URN LIGHTS	26	
	27	SPARE		20	1			0.43		L	1	20	12	LOFT COVE LIGHTS	28	
	29	SPARE		20	1				0.51	L	1	20	12	LOFT COVE LIGHTS	30	
	31	SPARE		20	1			0.56		L	1	20	12	LOFT COVE LIGHTS	32	
	33	SPARE		20	1			0.51		L	1	20	12	LOFT COVE LIGHTS	34	
	35	SPARE		20	1				0.43	L	1	20	12	LOFT COVE LIGHTS	36	
	37	PANEL ELS1	6	60	3	L	2.10							SPARE	38	
	39	------	6			L		2.10						SPARE	40	
	41	------	6			L			2.10					SPARE	42	
				Phase kVA			7.450	6.140	6.440							
				Total kVA			20.030	Total Amps	55.66							
				Total Demand kVA			23.053	Dem Load Amps	64.06							

LIGHTING "L": 12.090 KVA @ 1.25 DF= 15.113 KVA
RECEPT "R": 2.940 KVA, 1ST 10KVA + 50% OF REMAINDER= 2.940 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 5.000 KVA @ 1.00 DF= 5.000 KVA

NOTES:
1 PANELBOARD ENCLOSURE TO BE PAINTED BLACK
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PANEL DX2

MAIN LUGS YES
NEW DMX RELAY PANEL

PANEL: DX2
BUS RATING 200 AMPS
AIC RATING 22000 AMPS

Phase 3 | Circuit 42 | Mount Surface | NEMA 1 | Voltage 120 208

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
	1	1ST FLOOR PINE APPLE LTS	12	20	1	L	0.70 0.40			L	1	20	12	WALL SCONCE	2	
	3	1ST FLOOR PINE APPLE LTS	12	20	1	L		0.70 0.40		L	1	20	12	WALL SCONCE	4	
	5	1ST FLOOR WALL SCONCES	12	20	1	L			0.70		1	20		SPARE	6	
	7	1ST FLOOR WALL SCONCES	12	20	1	L	0.70				1	20		SPARE	8	
	9	1ST FLOOR WALL SCONCES	12	20	1	L		0.70			1	20		SPARE	10	
	11	1ST FLOOR WALL SCONCES	12	20	1	L			0.70		1	20		SPARE	12	
	13	1ST FL NICHE WALL LIGHTS	12	20	1	L	0.70				1	20		SPARE	14	
	15	1ST FL NICHE WALL LIGHTS	12	20	1	L		0.70			1	20		SPARE	16	
	17	URN LIGHTS	12	20	1	L			0.70		1	20		SPARE	18	
	19	URN LIGHTS	12	20	1	L	0.70				1	20		SPARE	20	
	21	WALL SCONCE REAR	12	20	1	L		0.40			1	20		SPARE	22	
	23	WALL SCONCE REAR	12	20	1	L			0.40		1	20		SPARE	24	
	25	SPARE		20	1						1	20		SPARE	26	
	27	SPARE		20	1						1	20		SPARE	28	
	29	SPARE		20	1						1	20		SPARE	30	
	31	SPARE		20	1						1	20		SPARE	32	
	33	SPARE		20	1						1	20		SPARE	34	
	35	SPARE		20	1						1	20		SPARE	36	
	37	ELS2	6	60	3	L	2.10							SPACE	38	
	39	------	6			L		2.10						SPACE	40	
	41	------	6			L			2.10					SPACE	42	
				Phase kVA			5.300	5.000	4.600							
				Total kVA			14.900	Total Amps	41.41							
				Total Demand kVA			18.625	Dem Load Amps	51.76							

LIGHTING "L": 14.900 KVA @ 1.25 DF= 18.625 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
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PANEL DX3

MAIN LUGS YES
NEW DMX RELAY PANEL

PANEL: DX3
BUS RATING 200 AMPS
AIC RATING 22000 AMPS

Phase 3 | Circuit 42 | Mount Surface | NEMA 1 | Voltage 120 208

NOTES	Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load kVA	B Phase Load kVA	C Phase Load kVA	Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #	NOTES
	1	SPARE		20	1			0.90		L	1	20	12	FIBER OPTIC LIGHT	2	
	3	SPARE		20	1				0.90	L	1	20	12	FIBER OPTIC LIGHT	4	
	5	SPARE		20	1					0.70 0.90	L	1	20	12	FIBER OPTIC LIGHT	6
	7	SPARE		20	1						L	1	20	12	FIBER OPTIC LIGHT	8
	9	SPARE		20	1						L	1	20	12	FIBER OPTIC LIGHT	10
	11	SPARE		20	1						L	1	20	12	CEILING SPOT LIGHTS	12
	13	SPARE		20	1							1	20	12	SPARE	14
	15	SPARE		20	1							1	20	12	SPARE	16
	17	SPARE		20	1							1	20	12	SPARE	18
	19	SPARE		20	1							1	20		SPARE	20
	21	SPARE		20	1							1	20		SPARE	22
	23	SPARE		20	1							1	20		SPARE	24
	25	SPARE		20	1							1	20		SPARE	26
	27	SPARE		20	1							1	20		SPARE	28
	29	SPARE		20	1							1	20		SPARE	30
	31	SPARE		20	1							1	20		SPARE	32
	33	SPARE		20	1							1	20		SPARE	34
	35	SPARE		20	1							1	20		SPARE	36
	37	ELTS	6	60	3	L	2.10								SPACE	38
	39	------	6			L		2.10							SPACE	40
	41	------	6			L			2.10						SPACE	42
				Phase kVA			3.900	3.900	4.900							
				Total kVA			12.700	Total Amps	35.29							
				Total Demand kVA			15.000	Dem Load Amps	41.69							

LIGHTING "L": 12.000 KVA @ 1.25 DF= 15.000 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER= 0.000 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST= 0.000 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 0.000 KVA @ 1.00 DF= 0.000 KVA

NOTES:
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PANEL SCHEDULES

EL	G	H
DX1	DX2	DX3

VOLT-AIR
CONSULTING ENGINEERS
220 WEST 7th Avenue, Suite 210
Tampa, Florida 33602 TEL. 888.891.9763
COA 27158

Project No. 01.5.017

Professional Seal

Tampa Theatre – Theatrical Lighting
Upgrade and Renovation – Alt. Bid
Tampa, Florida

Drawing Title: PANEL SCHEDULES

No.	Description	Date

DESIGN BY: DF
CHECKED BY: RW
SCALE: AS NOTED

ISSUED FOR: 100% Construction Documents
DATE: 04/30/15

Drawing No.

E4.1A

CONTRACT 14-C-00046; TAMPA THEATRE ELECTRICAL IMPS. - PRE-BID MEETING May 5, 2015, 2:00p.m.

E-Mail to **Register as a Plan Holder** and E-Mail All **Questions** to; **ContractAdministration@tampagov.net**

Sign-In Sheet ☐ Please Print — City of Tampa, Contract Administration Department

	Name	Organization	E-Mail OR Phone
1	*Thomas Hester*	*Tampa Contract Administration Dept.*	Thomas.Hester@tampagov.net
3	John Bell	Tampa Theatre	john@tampatheatre.org
4	MARK COMERFORD	AAMERICAN ELECTRIC	MARK.AAEC@YAHOO.COM
5	BOB BINDA	GIBRALTAR CONST. CO.	bobbinda@verizon.net
6	Kyle Frankman	Blue Book Network	KFrankman@mail.theBlueBook.com
7	Brian W. Smith	Erwin Electric	brian@erwinelectric.com
8	CARL HARRIS	Candela Controls	charris@candelacontrols.com
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12	David Freeman	VOLT AIR CONSULTING ENG.	David.Freeman@voltairengineers.com
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