

URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635



FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

Legistar # _____

5/2/22

4:56 p.m.

RECEIVED

Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

1. Project Information

Address: _____

Title: _____

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested _____

New development

Alteration to an existing or previously-approved development

Informational

Initial approval

Final approval

3. Project Type

Project in an Urban Design District

Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)

Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)

Planned Development (PD)

General Development Plan (GDP)

Specific Implementation Plan (SIP)

Planned Multi-Use Site or Residential Building Complex

Signage

Comprehensive Design Review (CDR)

Signage Variance (i.e. modification of signage height, area, and setback)

Signage Exception

Other

Please specify

4. Applicant, Agent, and Property Owner Information

Applicant name _____

Street address _____

Telephone _____

Project contact person _____

Street address _____

Telephone _____

Property owner (if not applicant) _____

Street address _____

Telephone _____

Company _____

City/State/Zip _____

Email _____

Company _____

City/State/Zip _____

Email _____

City/State/Zip _____

Email _____

5. Required Submittal Materials

Application Form

Letter of Intent

- If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
- For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.

Development Plans (Refer to checklist on Page 4 for plan details)

Filing fee

Electronic Submittal*

Notification to the District Alder

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

Each submittal must include fourteen (14) 11" x 17" **collated** paper copies. Landscape and Lighting plans (if required) must be **full-sized and legible**. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

**Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with _____ on _____.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant _____ Relationship to property _____

Authorizing signature of property owner _____ Date _____

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

Please consult the schedule below for the appropriate fee for your request:

Urban Design Districts: \$350 (per §35.24(6) MGO).

Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)

Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)

Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)

All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Variance requests)
- Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

Presentations to the Commission

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. **Applicants/presenters are responsible for all presentation materials, AV equipment and easels.**

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- Locator Map
- Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*** All plans must be legible, including the full-sized landscape and lighting plans (if required)*

2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (*must be legible*)
- Building Elevations in both black & white and color for all building sides (include material callouts)
- PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus:**

- Grading Plan
- Proposed Signage (if applicable)
- Lighting Plan, including fixture cut sheets and photometrics plan (*must be legible*)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials (presented at the UDC meeting)

4. Comprehensive Design Review (CDR) and Variance Requests (Signage applications only)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Variance criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Illustration of the proposed signage that meets Ch. 31, MGO compared to what is being requested.
- Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit



Cedar Rapids

200 Fifth Avenue SE Ste. 201
Cedar Rapids, Iowa 52401
(319) 363-6018

Des Moines

100 Court Avenue Ste. 100
Des Moines, Iowa 50309
(515) 309-0722

Iowa City

24 ½ S. Clinton Street Ste. 1
Iowa City, Iowa 52240
(319) 363-6018

Madison

301 N. Broom Street Ste. 100
Madison, Wisconsin 53703
(608) 819-0260

Minneapolis

323 N. Washington Avenue Ste. 200
Minneapolis, Minnesota 55401
(612) 468-6851

opnarchitects.com

Concerning:

Proposed Rooftop Terrace
Redrock Saloon
222 W Gorham St.
Madison, WI 53703

To whom it may concern,

I am writing on behalf of ULI property management and Drew Deuster of Red Rock Saloon regarding the proposed addition of rooftop terrace to their existing bar and nightclub venue. We are intending to file for a conditional use application to accommodate the rooftop patio space at Redrock Saloon, 222 W Gorham Street.

Project specifics consist of adding two overhead doors and two man doors in the existing exterior wall to allow access to the existing unoccupied roof that will support the proposed rooftop terrace. The proposed patio space consists of 1,338 sf and will have maximum occupant load of 90 that will be added to the building total. This new occupant load is calculated by using a ratio of 1/15 nsf for occupancy type A-2 Assembly (Unconcentrated tables and chairs) per Table 1004.1.2 IBC. All exiting width requirements are being met to accommodate the increased occupant load, detailed code information as well as a proposed seating plan can be found on Sheet AG001. Most of the space will house tables and chairs, with shade structure at one end covering lounge style seating.

The Red Rock Saloon is open until “bar time” 2:30 AM on Friday and Saturday. No new patrons are allowed in the building after 2:00 AM. The saloon is open until 2:00 AM Tuesday – Thursday. The management of Red Rock Saloon intends to close the overhead doors that connect the patio to the indoor bar area by 11:00 PM and have all patrons off the patio by 1:30 am nightly. There will be no amplified or live music on the patio.

Notification letters were sent out to the community on 3/16 and 3/18 of our intentions for this project. We had a neighborhood meeting with Alderman Heck on 4/12, there were no attendees from the community.



Our intent is to submit our application on May 16th for UDC review on June 29th and Plan Commission on July 11th.

Any questions regarding our intent can be directed to me.

Thank you,

Michael Booth AIA | EDAC
Project Architect

OPN Architects
o: (608) 819-0260 | c: (612) 804-9586 | d: (608) 819-0849 | mbooth@opnarchitects.com
301 N. Broom St., Suite 100, Madison, WI, 53703
www.opnarchitects.com

REDROCK SALOON CODE ANALYSIS

PERMIT SET

DRAWING SHEET INDEX:

GENERAL

AG001 COVER, DRAWING SHEET INDEX, CODE SUMMARY

ARCHITECTURAL

A101 1ST LEVEL FLOOR PLAN & SECTIONAL ELEVATION

ARCHITECT OF RECORD:

OPN ARCHITECTS

I hereby certify these plans and specifications were prepared by me or under my direct personal supervision and that I am a duly Registered Architect under the laws of the State of Wisconsin.

Signature: _____
 Name: WESLEY T. REYNOLDS
 Discipline: ARCHITECT Registration #: 117295
 Date: 2022-07-31

10 / 08 / 2021

PROJECT DESCRIPTION

This project consists of remodeling of second floor restrooms and adding an outdoor roof terrace to the existing Redrock Saloon eating and entertainment facility.

APPLICABLE CODES

- WISCONSIN COMMERCIAL BUILDING CODE- Wisconsin Department of Safety and Professional Services (SPS) Chapters 361 to 366, incorporating:
- International Building Code (IBC) 2015
 - International Energy Conservation Code (IECC) 2015
 - International Existing Building Code (IEBC) 2015
 - International Fuel Gas Code (IFGC) 2015
 - International Mechanical Code (IMC) 2015
 - Adopted portions of the International Fire Code (IFC) 2015
 - ICC/ANSI A117.1 (2009); Standard for Accessibility and Usable Buildings and Facilities SPS Chapters 380-387; Plumbing

City of Madison Municipal Code

CODE REVIEW SUMMARY

- OCCUPANCY CLASSIFICATION, A-2 ASSEMBLY & B BUSINESS
- CONSTRUCTION CLASSIFICATION: TYPE IIA (Assumed/Existing)
- FULLY SPRINKLERED PER NFPA 13
- OCCUPANCY LOAD FACTOR (per chapter 10): 452 occupants (Total)
- MIN NUMBER OF EXITS: 360+49 = 2 EXITS REQUIRED

IBC CHAPTER 6: Types of Construction

Existing Construction Type IIA (no change proposed)

Existing Building is Fully Sprinklered Per NFPA 13.

IBC CHAPTER 7: Fire and Smoke Protection Features

Requirements: The fire-resistance ratings of structural members and assemblies shall comply with this section and the requirements for the type of construction as specified in Table 601. The fire-resistance ratings shall not be less than the ratings required for the fire-resistance-rated assemblies supported by the structural members.

IBC CHAPTER 10: Means of Egress

1004 Occupant Load

The occupant load of the remodeled area has been calculated based on the following, per Table 1004.1.2

Area	Occupancy	Area (sf)	Occupants	Seating Shown
First Floor:				
Assembly (Unconcentrated):	1/15 nsf	2,580 sf =	172	125
Assembly (Standing Concentrated):	1/5 nsf	302 sf =	61	
Business:	1/100 gsf	600 sf =	6	
Kitchen:	1/200 gsf	1,720 sf =	9	
Storage:	1/300 gsf	85 sf =	1	
Stages/Platforms:	1/15 nsf	403 SF =	27	
Subtotal:			276	Maximum Occupants
Mezzanine:				
Business:	1/100 gsf	97 sf =	1	
Storage:	1/300 gsf	250 sf =	1	
Subtotal:			2	
Second Floor:				
Assembly (Indoor) (Unconcentrated):	1/15 nsf	1,099 sf	73	
Assembly (Outdoor) (Unconcentrated):	1/15 nsf	1,338 sf	98	
Business:	1/100 gsf	276 sf	3	
Subtotal:			174	Maximum Occupants
Total:			452	occupants

1005 Egress Width

1005.1 Total width of means of egress in inches shall not be less than the total occupant load served by the means of egress multiplied by 0.3 inch per occupant for stairways and by 0.2 inch (5.08 mm) per occupant for other egress components. The width shall not be less than specified elsewhere in this code. Multiple means of egress shall be sized such that the loss of any one means of egress shall not reduce the available capacity to less than 50 percent of the required capacity. Refer to Code Plans at left for egress capacities.

1016 Exist Access Travel Distance

1016.1 Per Table 1016.1, An Occupancy with sprinkler system allows a maximum of 250' Travel Distance.

IBC CHAPTER 11: Accessibility

1103.2.2 Employee work areas. Spaces and elements within employee work areas shall only be required to comply with Sections 907.5.2.3.2, 1007 and 1104.3.1 and shall be designed and constructed so that individuals with disabilities can approach, enter and exit the work area. Work areas, or portions of work areas, other than raised courtroom stations in accordance with Section 1108.4.1.4, that are less than 300 square feet (30 m) in area and located 7 inches (178 mm) or more above or below the ground or finished floor where the change in elevation is essential to the function of the space shall be exempt from all requirements.

1104.3.1 Employee work areas. Common use circulation paths within employee work areas shall be accessible routes.

Exceptions:

- Common use circulation paths, located within employee work areas that are less than 1,000 square feet (93 m) in size and defined by permanently installed partitions, counters, casework or furnishings, shall not be required to be accessible routes.

IBC CHAPTER 29: PLUMBING SYSTEMS

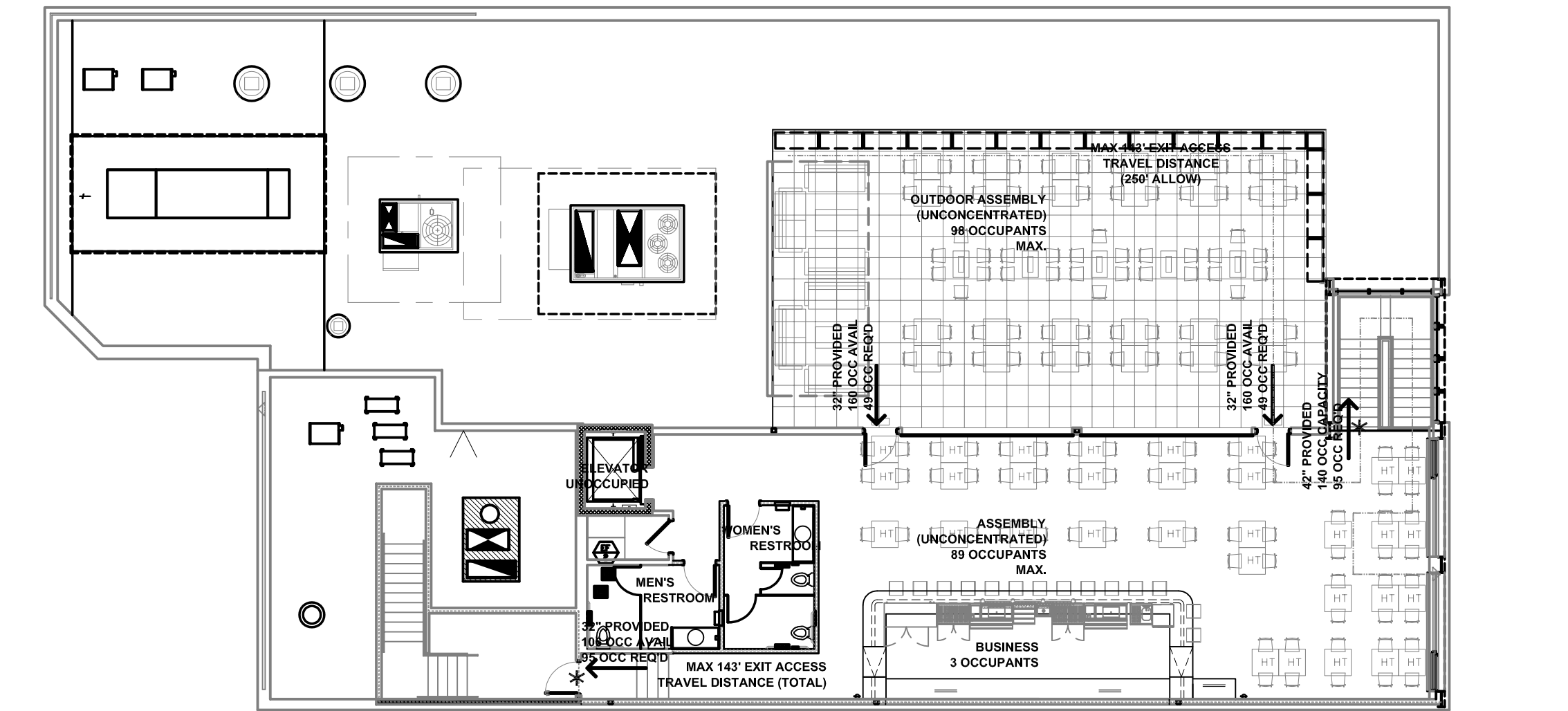
Table 2902.1 Minimum Number of Required Plumbing Fixtures

NO.	WC	Required		Provided		DRINKING	SERVICE		
		Required	Provided	LAV	Required		FOUNTAINS	SINKS	
MEN	226	1:40	6	7*	1:75	3	3	1:500**	1
WOMEN	226	1:40	6	6	1:75	3	3		

* 3 WC and 4 Urinals Provided.

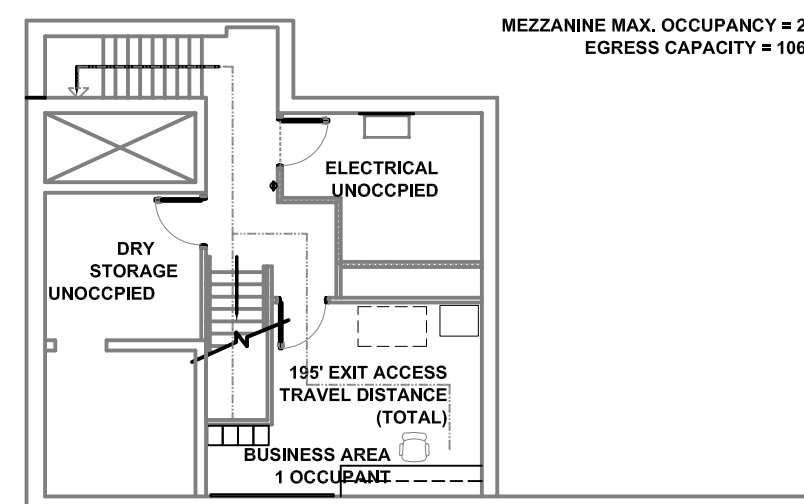
** Service Sink provided in Kitchen Area.

CODE REVIEW



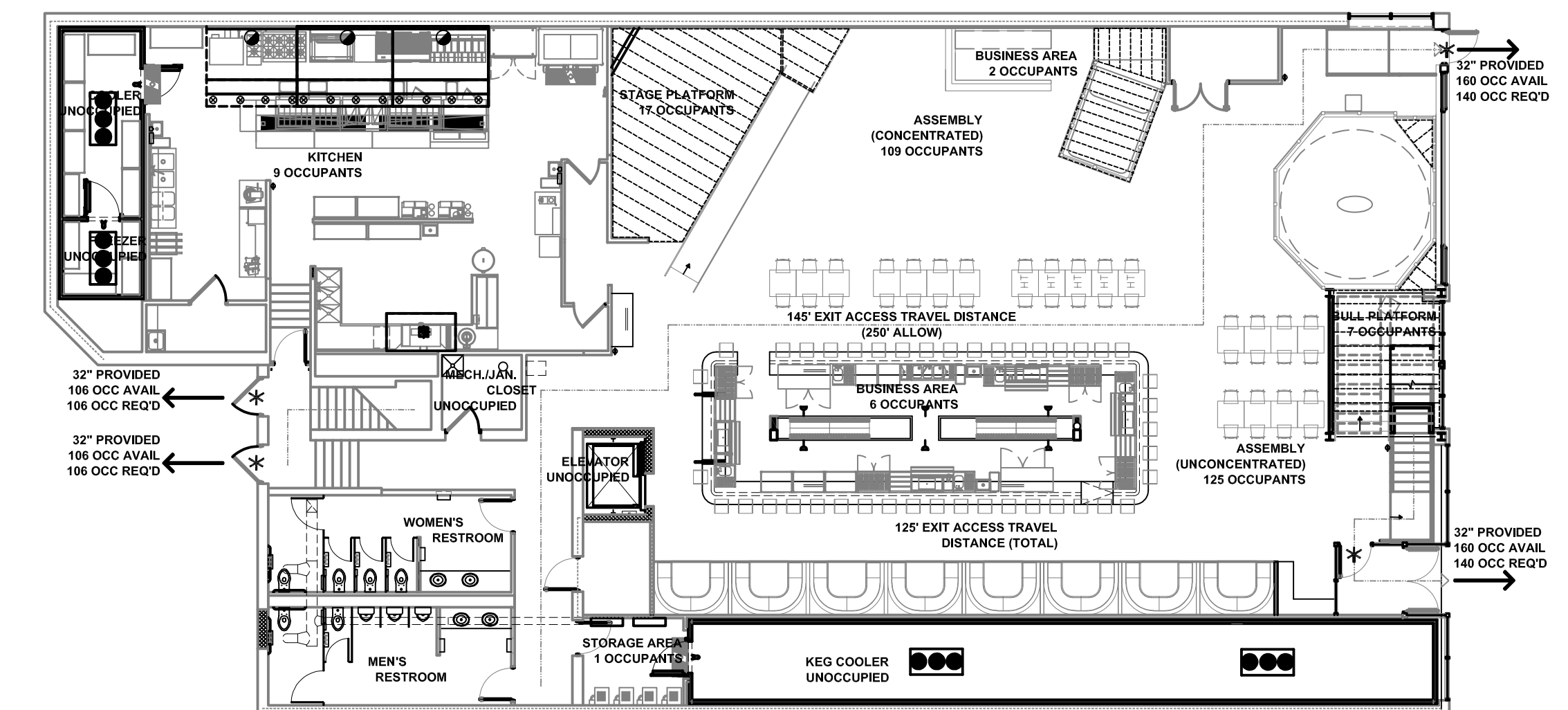
CODE PLAN - 2ND LEVEL

NTS



CODE PLAN - MEZZANINE

NTS



CODE PLAN - 1ST LEVEL

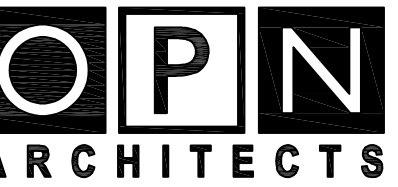
NTS

GENERAL NOTES:

- The review plan shows major exits only. Refer to the AG001 wall types for specific wall information. Assemblies shown to be fire-rated must be constructed according to the listed UL assembly designation number.

LEGEND

- 1-HOUR FIRE RATED WALL
- PATH OF EGRESS TRAVEL
- # REQUIRED OCC AVAIL OCC REQ
- EXIT



CEDAR RAPIDS • DES MOINES • MADISON

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Building Owner
Urban Land Interests
10 East Doty Street, Suite 300
Madison, WI 53703

Architect of Record
OPN ARCHITECTS
301 N. Broom Street, Suite 100
Madison, WI 53703

Project
REDROCK SALOON CODE ANALYSIS
222 West Gorham Street
Madison, WI 53703

Issue & Revision Dates

OCCUPANCY REVIEW 04/01/2022

FOR REVIEW

Drawing
COVER, DRAWING SHEET
INDEX, CODE SUMMARY

OPN Project No. 22608000

AG001



Red Rock Saloon

Rooftop Patio Design

Patio Axon












Street Perspective




Rail & Planter Detail



Proposed Planter



PRODUCTS ^{NEW!} INSTALLATION INFO CONTACT US



COR-TEN Steel Planter Box

PRODUCT FEATURES

- ✓ **No Assembly Required** - Planters arrive ready to use!
- ✓ **Attractive** - The clean, modern, aesthetic pairs well to many different décor styles.
- ✓ **Durable** - Made of marine-grade Cor-Ten steel, it is a long lasting investment.

Size

32" L X 14" W X 30" H 14" L X 48" W X 14" H

18" L X 18" W X 18" H





\$349.99

Quantity - 1 +

ADD TO CART

Buy with **shop** Pay

Same Day Free Shipping [Orders before 2PM CT]



Paver Install



GENERAL NOTES

- DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
- IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK - TYPICAL FOR ALL DRAWINGS.
- ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
- PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.

KEYNOTE LEGEND

- 04 40 STONE PAVER ON PEDESTAL SYSTEM
- 04 41 GABION WALL WITH CORTEN STEEL CAGE
- 05 12 STEEL AND WOOD COLUMN
- 05 58 CORTEN STEEL PLANTER
- 05 59 CORTEN STEEL RAIL W/ STAINLESS STEEL AIRCRAFT CABLE
- 08 13 A1 ALUMINUM AND GLASS ENTRY DOOR
- 08 35 OVERHEAD GLASS DOOR

ACCESSORIES LEGEND

Owner
ULI

Project
RED ROCK SALOON ROOF TERRACE

General Contractor
Contractor Name

Civil Engineer
Contractor Name

Structural Engineer
Contractor Name

Mechanical Engineer
Contractor Name

Electrical Engineer
Contractor Name

Key Plan

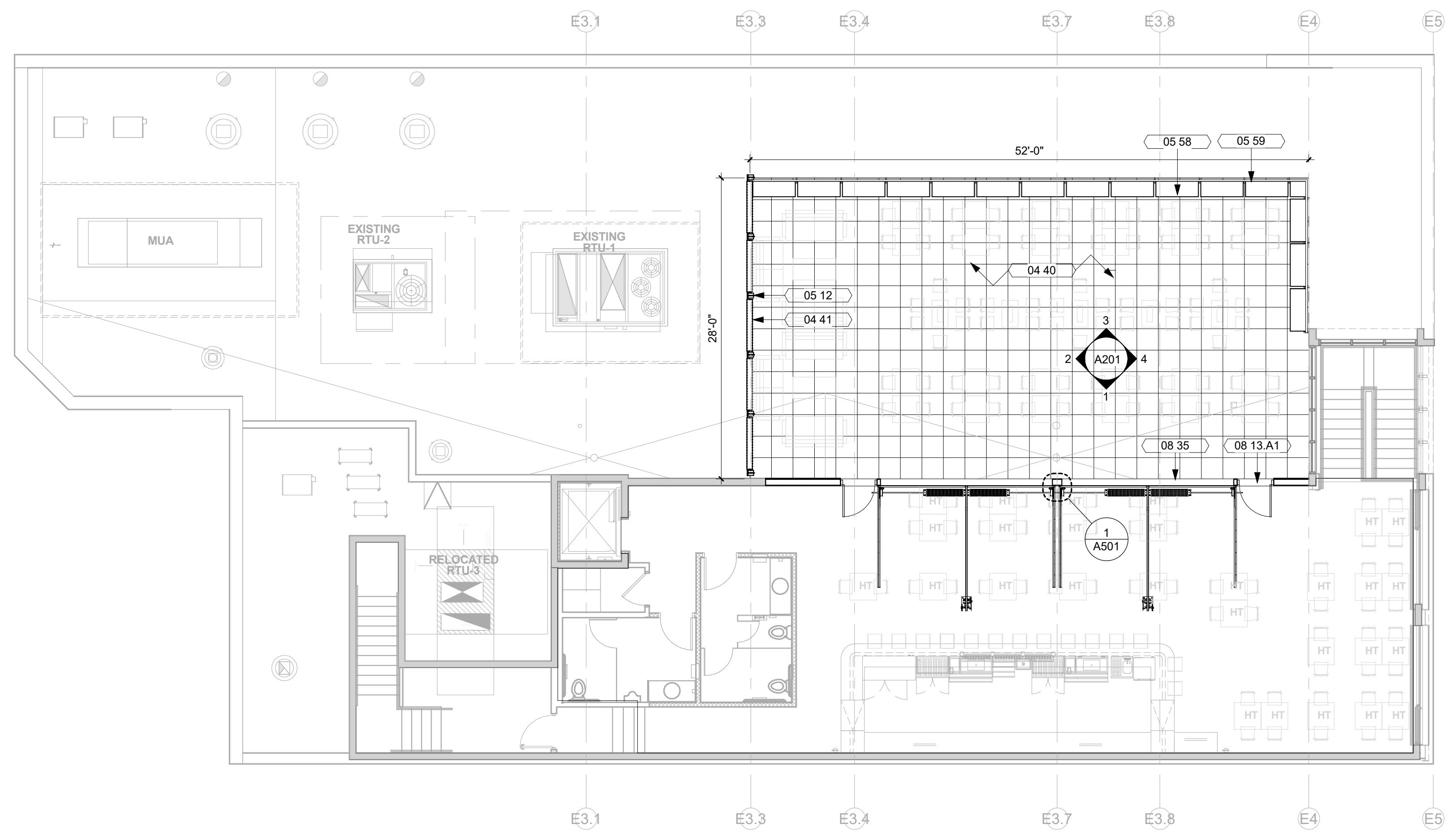
Revision	Description	Date

OPN Project No.
22608000

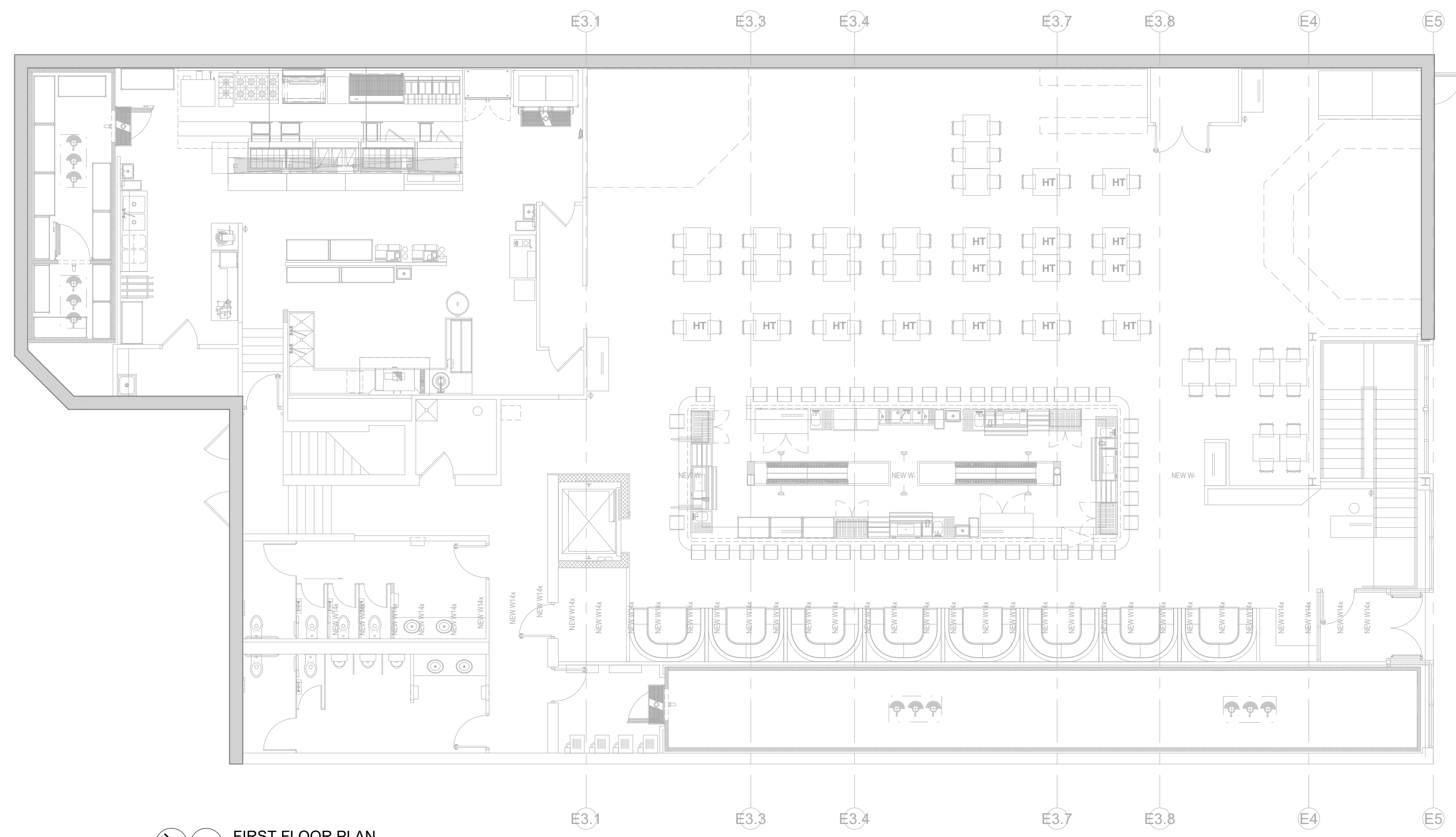
Sheet Issue Date
05/05/20

Sheet Name
FLOOR PLANS

Sheet Number



G17 SECOND FLOOR PLAN
1/8" = 1'-0"



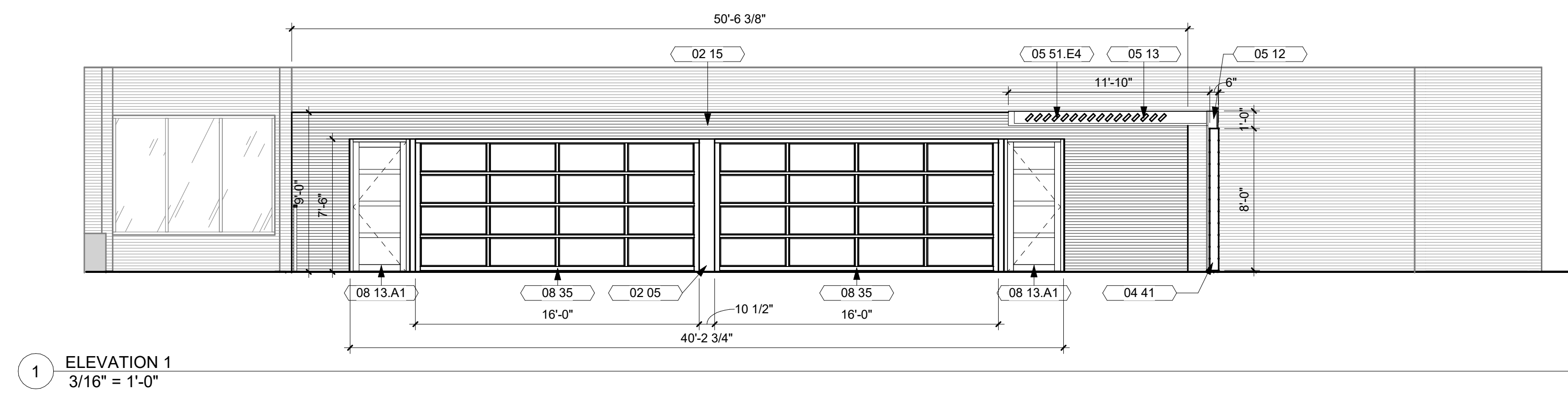
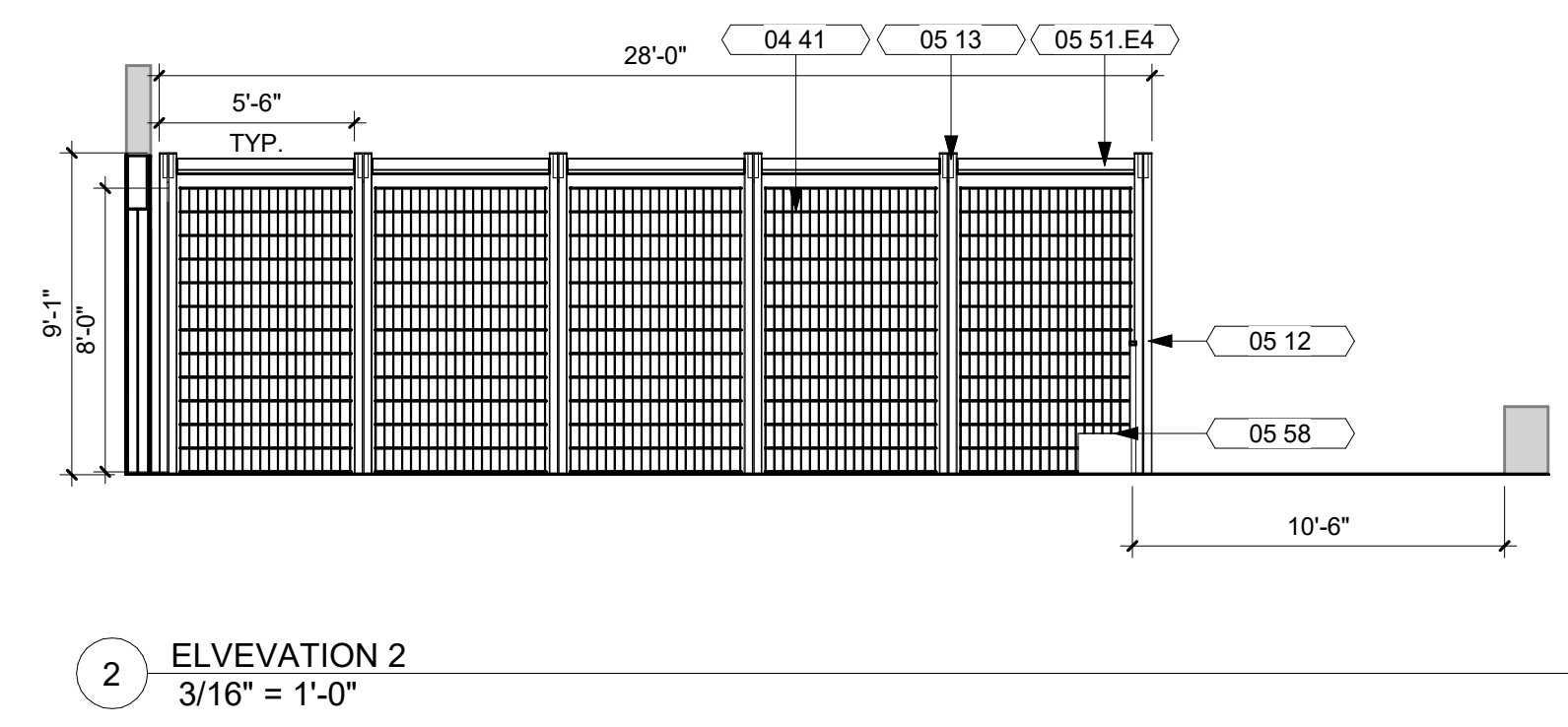
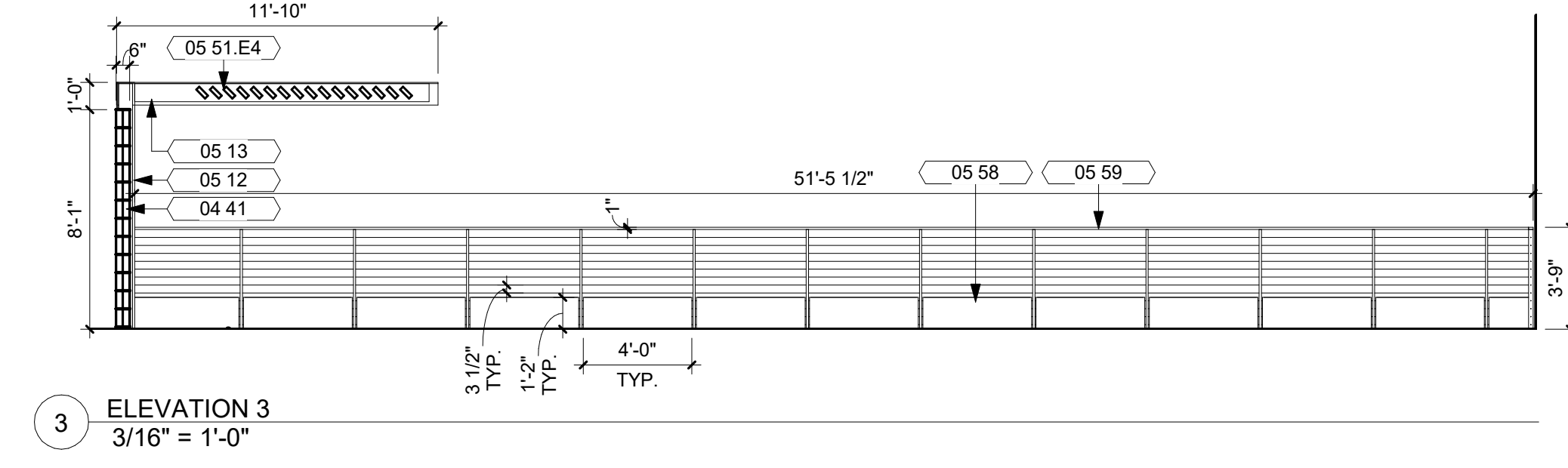
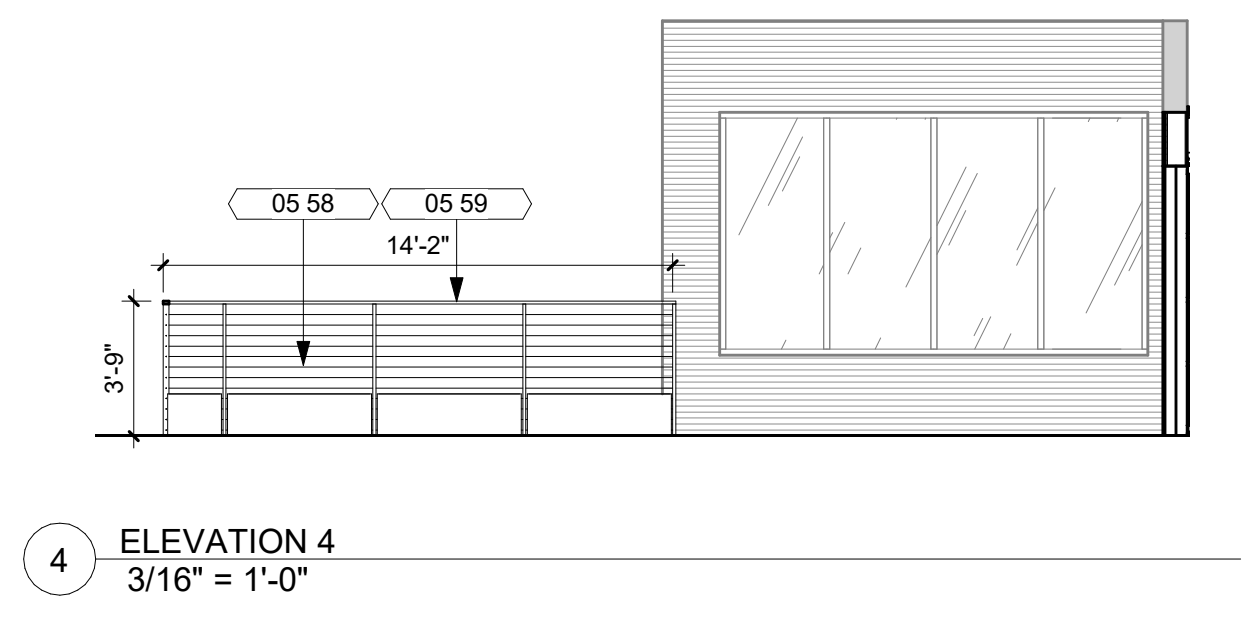
A17 FIRST FLOOR PLAN
1/8" = 1'-0"

PRELIMINARY. NOT FOR CONSTRUCTION.

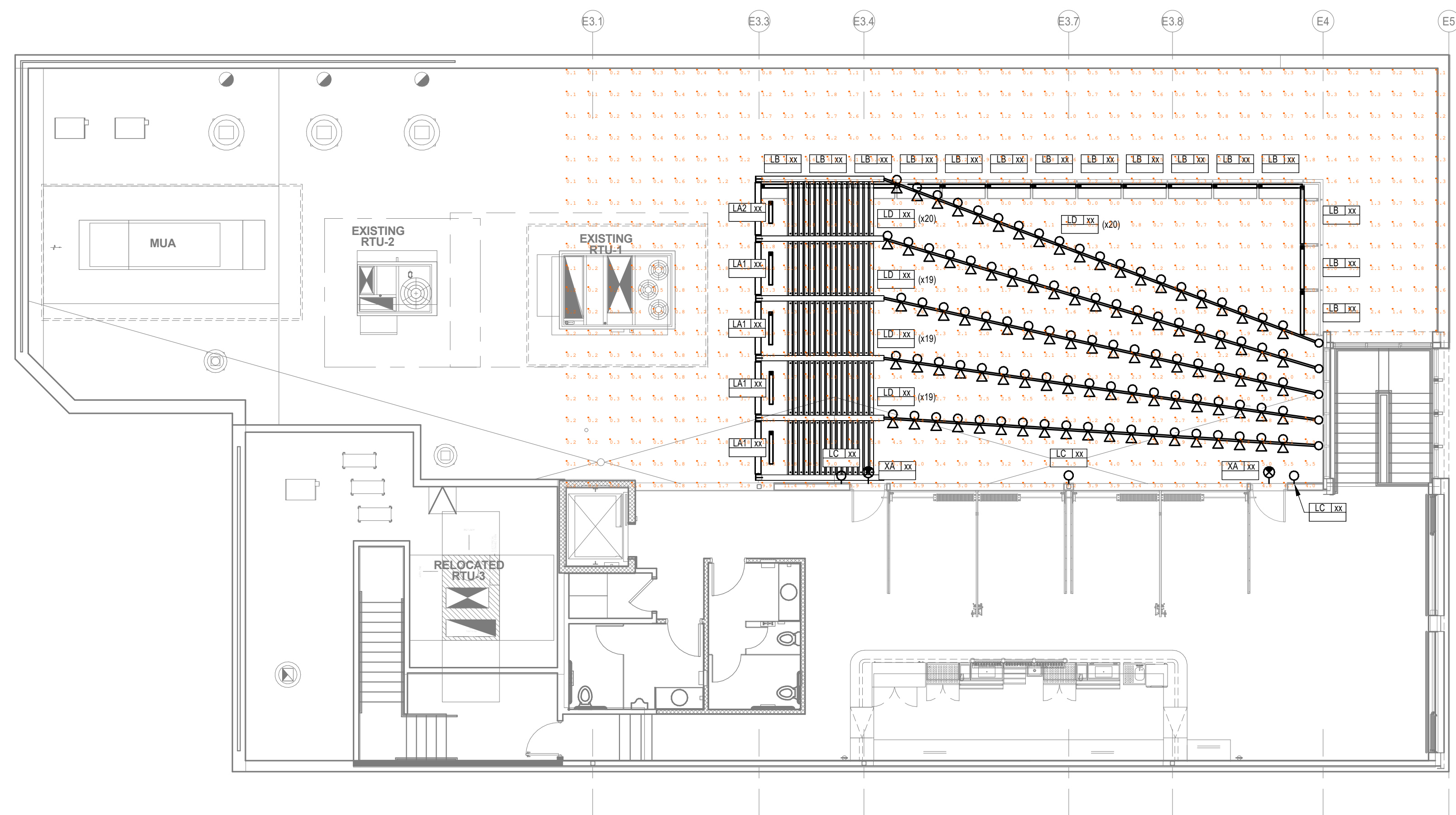
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KEYNOTE LEGEND

- 02 05 BREAK METAL - MATCH BLACK DOOR FRAME
- 02 15 CORRUGATED METAL SIDING - MATCH EXISTING
- 04 41 GABION WALL WITH CORTEN STEEL CAGE
- 05 12 STEEL AND WOOD COLUMN
- 05 13 STEEL AND WOOD BEAM
- 05 51.E4 WOOD SUN SHADE
- 05 58 CORTEN STEEL PLANTER
- 05 59 STAINLESS STEEL AIRCRAFT CABLE
- 08 13.A1 ALUMINUM AND GLASS ENTRY DOOR
- 08 35 OVERHEAD GLASS DOOR



PRELIMINARY. NOT FOR CONSTRUCTION.



2 SECOND FLOOR LIGHTING PLAN
 1/8" = 1'-0"

PLAN MARK	MANUFACTURERS AND MODEL NUMBERS	DESCRIPTION	LED DETAILS		DRIVER		INPUT		FIXTURE MOUNTING SURFACE	NOTES	
			COLOR (K)	LUMEN OUTPUT	QTY.	TYPE	DIM MIN.	WATTS			VOLTS
LA1	TARGETTI JE-C-O-10-FL-36-2700-L-1E3304	LINEAR WALL WASH IP67	2700	3,600	1	0-10	1%	40	120	SURFACE	
LA2	TARGETTI JE-C-O-10-FL-24-2700-L-1E3304	LINEAR WALL WASH IP67	2700	2,400	1	0-10	1%	28	120	SURFACE	
LB	TARGETTI JE-C-O-10-FL-48-2700-L-1E3304	LINEAR WALL WASH IP67	2700	4,800	1	0-10	1%	53	120	SURFACE	
LC	LUMINIS EC610-L1W18R1-120-BKT-K27-EC6PS	EXTERIOR SCONCE	2700	1163	1	0-10	1%	15	120	WALL SURFACE	
LD	TIVOLI LSL2-B-24-H-2700K-F-12	GLOBE STRING	2700	7 LM/FT	1	0-10	1%	0.12W/FT	120	CATENARY	NOTE 2
XA	ISOLITE RWL-EM-G-1-BK-MTEBP	EXTERIOR EXIT	NA	NA	NA	NA	NA	3.4	120	WALL	

KEY:
 3W =THREE WIRE DIMMING
 0-10 =0-10V DIMMED
 DA =DIGITAL ADDRESSABLE
 ND =NON-DIMMED
 SD =STEP DIMMED
 DMX =DMX ENABLED

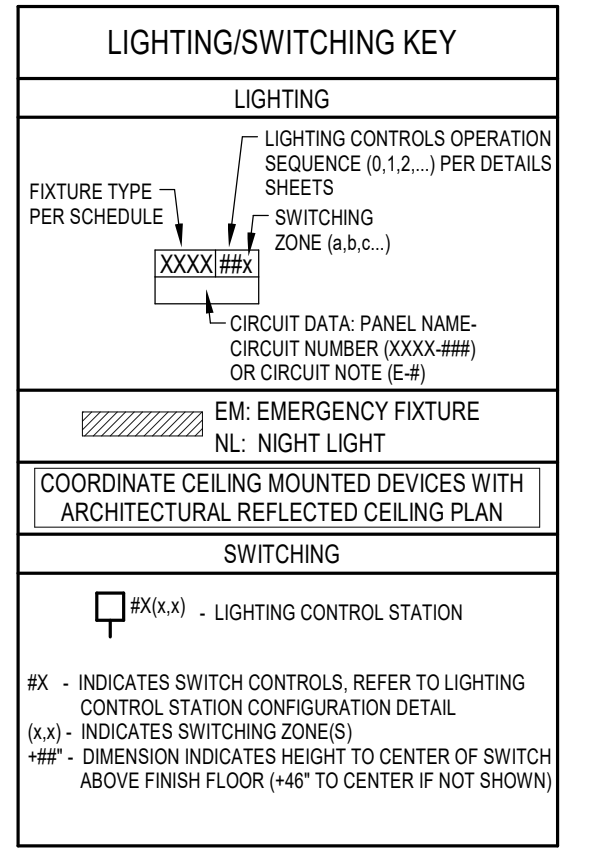
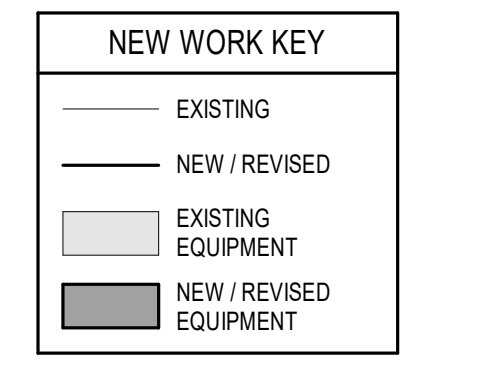
GENERAL NOTES:
 A. REFER TO SPECIFICATION 265000 FOR ADDITIONAL REQUIREMENTS.
 B. PROVIDE A MINIMUM 5 YEAR WARRANTY ON ALL LED PRODUCTS 20W AND GREATER.
 C. EQUIVALENT MANUFACTURERS LISTED SHALL MEET PERFORMANCE REQUIREMENTS OF THE BASE FIXTURE SPECIFIED. EQUIVALENTS SHALL NOT CONSUME MORE THAN 10% IN WATTAGE OR BE LESS THAN 5% IN LUMENS.
 D. COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR CEILING TYPES PRIOR TO SUBMITTAL PROCESS. VERIFY PLANNED CEILING TYPES COORDINATE WITH SPECIFIED FIXTURES.
 E. COORDINATE FIXTURES LOCATED IN NON-ACCESSIBLE CEILINGS ARE ACCESSIBLE FROM BELOW THROUGH THE FIXTURE, PRIOR TO SUBMITTAL PROCESS.
 F. COORDINATE DRIVER TYPE WITH THE LIGHTING CONTROL SYSTEM, PRIOR TO SUBMITTAL PROCESS.

SPECIFIC NOTES:
 1. PROVIDE WITH INTEGRAL BATTERY PACK.
 2. PROVIDE WITH GALVANIZED CABLE IN LENGTHS NOTED ON PLANS. PROVIDE LOCKABLE FASTENERS AND INSTALL WITH CATENARY TENSIONING TOOL TO ENSURE MINIMAL DROOP OF CATENARY MOUNTED LIGHT FIXTURES

ELECTRICAL LIGHTING SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)
 (NOTE: #HP INDICATES DIMENSION HEIGHT TO CENTER OF DEVICE ABOVE FINISHED FLOOR)

- *** LIGHTING FIXTURES ***
- INDICATES DAYLIGHT HARVEST ZONE
 - CEILING FIXTURE - PENDANT MOUNTED
 - CEILING FIXTURE
 - CEILING FIXTURE - RECESSED
 - FIXTURE - WALL MOUNTED
 - LINEAR FIXTURE
 - LINEAR FIXTURE - RECESSED
 - LINEAR FIXTURE - WALL MOUNTED
 - STRIP FIXTURE
 - STRIP FIXTURE - WALL MOUNTED
 - DIRECT / INDIRECT FIXTURE - SUSPENDED
 - FEED/SUSPENSION POINT
 - SUSPENSION POINT
 - LED STRIP FIXTURE
 - FEED POINT
 - EXIT SIGN - CEILING MOUNTED
 - EXIT SIGN - WALL MOUNTED
 - EXIT / EMERGENCY SIGN - CEILING MOUNTED
 - EXIT / EMERGENCY SIGN - WALL MOUNTED
 - EMERGENCY LIGHT - CEILING MOUNTED
 - EMERGENCY LIGHT - WALL MOUNTED
 - LIGHT TRACK
 - FEED POINT
 - HEAD
 - POLE AND LUMINAIRE, ARROW INDICATES AIMING
 - POLE AND TWO LUMINAIRE, ARROWS INDICATE AIMING
 - POST TOP LUMINAIRE
 - FLOOD LIGHT - GROUND MOUNTED
 - BOLLARD ON CONCRETE BASE
 - FLOOD LIGHT - IN GROUND
- (SOLID FILL) - INDICATES EXIT FACE
 (ARROWS) - INDICATES CHEVRON DIRECTION



Key Plan

Revision Description Date

OPN Project No.
22608000

Sheet Issue Date
05/30/17

Sheet Name
SECOND FLOOR LIGHTING PLAN
 Sheet Number

PRELIMINARY. NOT FOR CONSTRUCTION.

REDROCK SALOON CODE ANALYSIS

PERMIT SET

DRAWING SHEET INDEX:

GENERAL

AG001 COVER, DRAWING SHEET INDEX, CODE SUMMARY

ARCHITECTURAL

A101 1ST LEVEL FLOOR PLAN & SECTIONAL ELEVATION

ARCHITECT OF RECORD:

OPN ARCHITECTS

I hereby certify these plans and specifications were prepared by me or under my direct personal supervision and that I am a duly Registered Architect under the laws of the State of Wisconsin.

Signature: _____
 Name: WESLEY T. REYNOLDS
 Discipline: ARCHITECT Registration #: 117295
 Date: 2022-07-31

5 / 15 / 2022

PROJECT DESCRIPTION

This project consists of remodeling of second floor restrooms and adding an outdoor roof terrace to the existing Redrock Saloon eating and entertainment facility.

APPLICABLE CODES

- WISCONSIN COMMERCIAL BUILDING CODE- Wisconsin Department of Safety and Professional Services (SPS) Chapters 361 to 366, incorporating:
- International Building Code (IBC) 2015
 - International Energy Conservation Code (IECC) 2015
 - International Existing Building Code (IEBC) 2015
 - International Fuel Gas Code (IFGC) 2015
 - International Mechanical Code (IMC) 2015
 - Adopted portions of the International Fire Code (IFC) 2015
 - ICC/ANSI A117.1 (2009); Standard for Accessibility and Usable Buildings and Facilities SPS Chapters 380-387; Plumbing

City of Madison Municipal Code

CODE REVIEW SUMMARY

- OCCUPANCY CLASSIFICATION, A-2 ASSEMBLY & B BUSINESS
- CONSTRUCTION CLASSIFICATION: TYPE IIA (Assumed/Existing)
- FULLY SPRINKLERED PER NFPA 13
- OCCUPANCY LOAD FACTOR (per chapter 10): 452 occupants (Total)
- MIN NUMBER OF EXITS: 360/49 = 2 EXITS REQUIRED

IBC CHAPTER 6: Types of Construction

Existing Construction Type IIA (no change proposed)

Existing Building is Fully Sprinklered Per NFPA 13.

IBC CHAPTER 7: Fire and Smoke Protection Features

Requirements: The fire-resistance ratings of structural members and assemblies shall comply with this section and the requirements for the type of construction as specified in Table 601. The fire-resistance ratings shall not be less than the ratings required for the fire-resistance-rated assemblies supported by the structural members.

IBC CHAPTER 10: Means of Egress

1004 Occupant Load

The occupant load of the remodeled area has been calculated based on the following, per Table 1004.1.2

Area	Occupancy	Area (sf)	Occupants	Seating Shown
First Floor:				
Assembly (Unconcentrated):	1/15 nsf	2,580 sf =	172	125
Assembly (Standing Concentrated):	1/5 nsf	302 sf =	61	
Business:	1/100 gsf	600 sf =	6	
Kitchen:	1/200 gsf	1,720 sf =	9	
Storage:	1/300 gsf	85 sf =	1	
Stages/Platforms:	1/15 nsf	403 SF =	27	
Subtotal:			276	Maximum Occupants
Mezzanine:				
Business:	1/100 gsf	97sf =	1	
Storage:	1/300 gsf	250 sf =	1	
Subtotal:			2	
Second Floor:				
Assembly (Indoor) (Unconcentrated):	1/15 nsf	1,099 sf	74	70
Assembly (Outdoor) (Unconcentrated):	1/15 nsf	1,338 sf	90	86
Business:	1/100 gsf	276 sf	3	
Subtotal:			167	Maximum Occupants
Total:			445	occupants

1005 Egress Width

1005.1 Total width of means of egress in inches shall not be less than the total occupant load served by the means of egress multiplied by 0.3 inch per occupant for stairways and by 0.2 inch (5.08 mm) per occupant for other egress components. The width shall not be less than specified elsewhere in this code. Multiple means of egress shall be sized such that the loss of any one means of egress shall not reduce the available capacity to less than 50 percent of the required capacity. Refer to Code Plans at left for egress capacities.

1016 Exist Access Travel Distance

1016.1 Per Table 1016.1, An Occupancy with sprinkler system allows a maximum of 250' Travel Distance.

IBC CHAPTER 11: Accessibility

1103.2.2 Employee work areas. Spaces and elements within employee work areas shall only be required to comply with Sections 907.5.2.3.2, 1007 and 1104.3.1 and shall be designed and constructed so that individuals with disabilities can approach, enter and exit the work area. Work areas, or portions of work areas, other than raised courtroom stations in accordance with Section 1108.4.1.4, that are less than 300 square feet (30 m) in area and located 7 inches (178 mm) or more above or below the ground or finished floor where the change in elevation is essential to the function of the space shall be exempt from all requirements.

1104.3.1 Employee work areas. Common use circulation paths within employee work areas shall be accessible routes.

Exceptions:

- Common use circulation paths, located within employee work areas that are less than 1,000 square feet (93 m) in size and defined by permanently installed partitions, counters, casework or furnishings, shall not be required to be accessible routes.

IBC CHAPTER 29: PLUMBING SYSTEMS

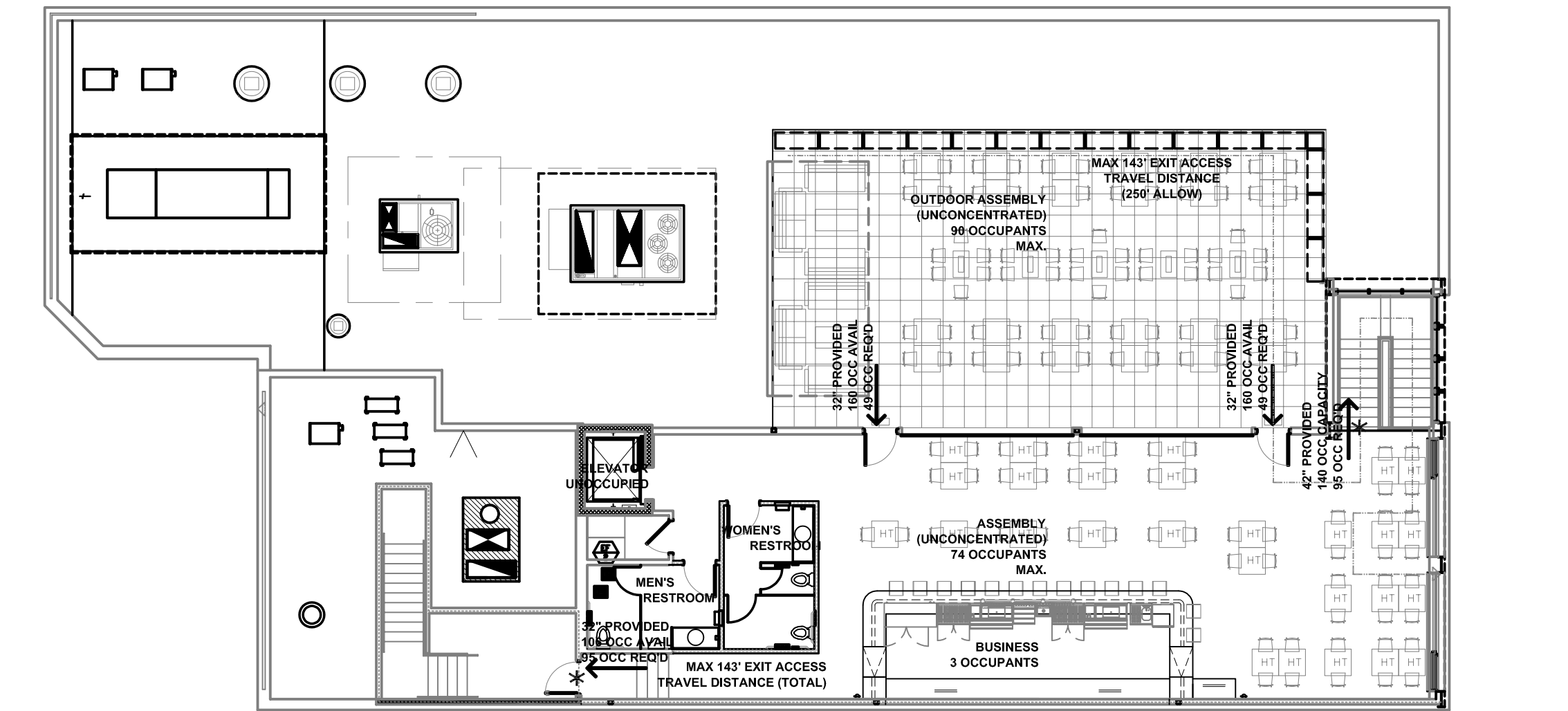
Table 2902.1 Minimum Number of Required Plumbing Fixtures

NO.	WC	Required	Provided	LAV	Required	Provided	DRINKING	SERVICE	
								FOUNTAINS	SINKS
MEN	223	1:40	6	7*	1:75	3	3	1:500**	1
WOMEN	223	1:40	6	6	1:75	3	3		

* 3 WC and 4 Urinals Provided.

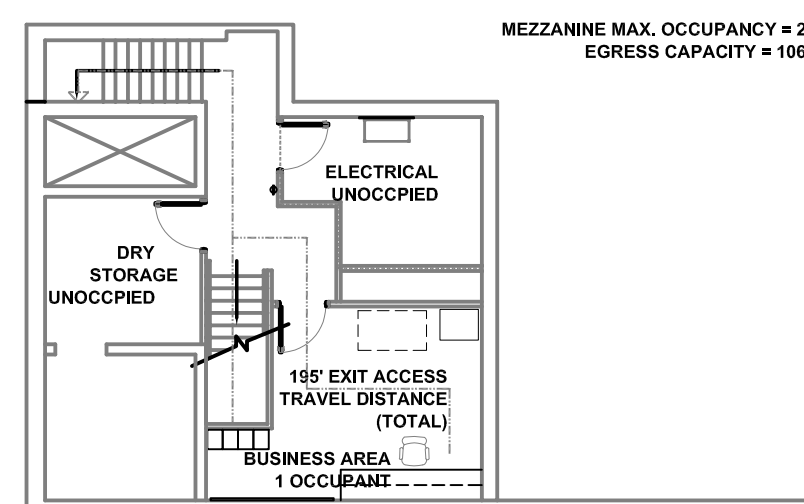
** Service Sink provided in Kitchen Area.

CODE REVIEW



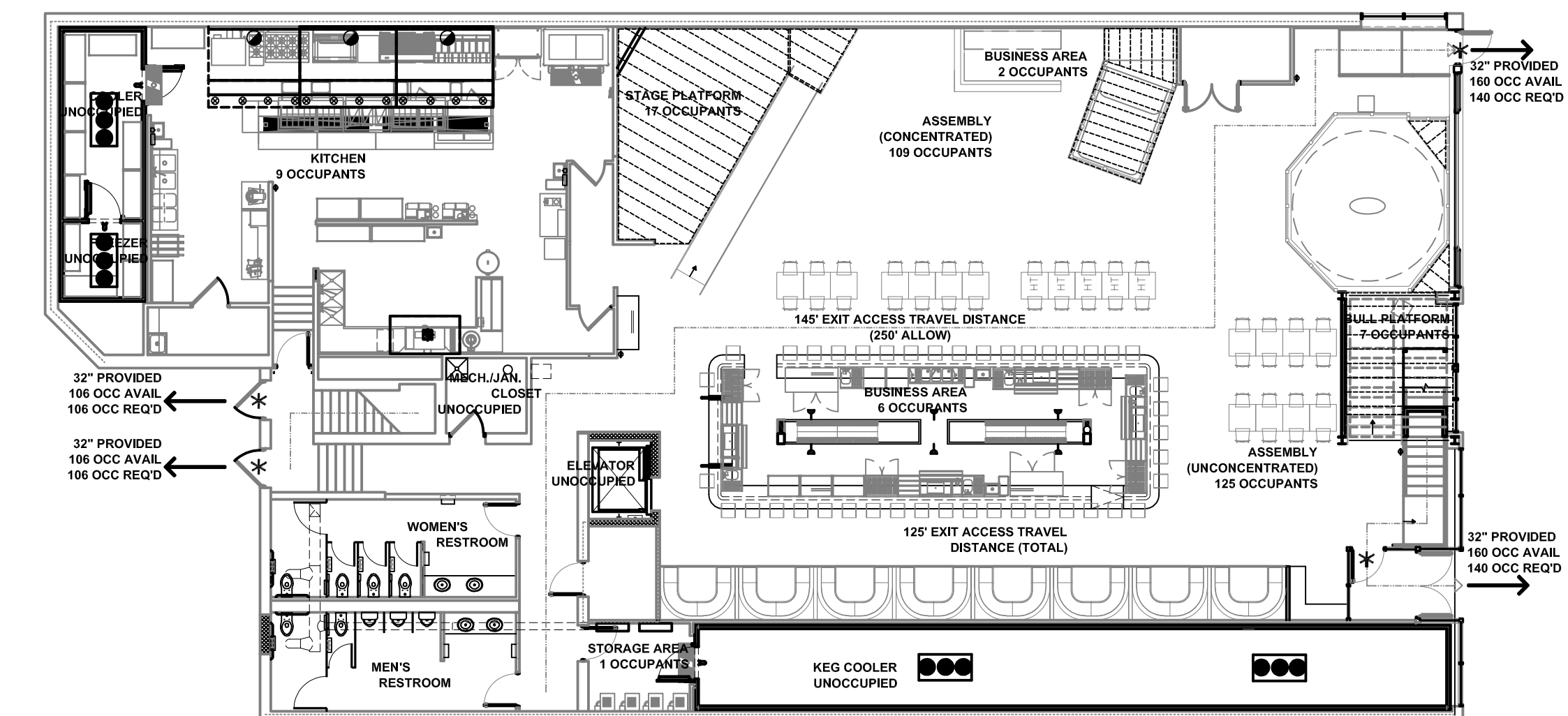
CODE PLAN - 2ND LEVEL

NTS



CODE PLAN - MEZZANINE

NTS



CODE PLAN - 1ST LEVEL

NTS

GENERAL NOTES:

- The review plan shows major exits only. Refer to the AG001 wall types for specific wall information. Assemblies shown to be fire-rated must be constructed according to the listed UL assembly designation number.

LEGEND

- 1-HOUR FIRE RATED WALL
- PATH OF EGRESS TRAVEL
- # REQUIRED OCC AVAIL OCC REQ
- EXIT



CEDAR RAPIDS • DES MOINES • MADISON

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 301 N. Broom Street, Suite 100
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Project
REDROCK SALOON CODE ANALYSIS
 222 West Gorham Street
 Madison, WI 53703

Issue & Revision Dates

OCCUPANCY REVIEW 04/1/2022

FOR REVIEW

Drawing
 COVER, DRAWING SHEET
 INDEX, CODE SUMMARY

OPN Project No. 22608000

AG001

JEDI COMPACT IP67 INTEGRAL

Linear LED Projector with Integral Driver

Concept: Powerful adjustable linear LED projector.

Materials: Extruded anodized aluminum 15μ body, 5mm thick extra-clear flat glass. The body of the fixture is adjustable and can be installed away from the mounting surface using accessory snap brackets.

^AFixture suitable for use in marine grade environments.

Optic: Internal optical system composed of a primary cylindrical glass lens, a high reflectance anodized aluminum reflector and an integrated holographic filter. Available in three versions: Spot, Flood, Grazing and Wall Washer.

Source: High Power High Efficiency LED board.

Mounting: Multiple stainless steel mounting brackets available for fixture rotation and mounting, specified separately.

Driver: Integral electronic driver with non dimmable and 0-10V dimmable versions.

Installation: To be completed with stainless steel adjustable brackets, see page 2. Pre-wired with SJ00W 18-3 cable and input/output watertight IP68 Quick Disconnect connectors. Lead and Solo configurations provided with 10ft lead cable. See page 3 for inline connection configurations.

Wattage: 28W / 40W / 53W

Color Temperature: 2700K / 3000K / 3500K / 4000K

CRI: Ra84, Ra90 available upon request

Without Louver	22.68" (28W)	33.70" (40W)	44.73" (53W)
Spot 12° = 2371 - 2744Lm	3557 - 4116Lm	4743 - 5489Lm	
Wall Washer 59° x 115° = 2428 - 2706Lm	3643 - 4061Lm	4858 - 5414Lm	
Wall Grazer 15° x 76° = 2684 - 2991Lm	4026 - 4487Lm	5385 - 5983Lm	
Flood 32° x 85° = 2413 - 2690Lm	3620 - 4035Lm	4827 - 5380Lm	

With Louver	22.68" (28W)	33.70" (40W)	44.73" (53W)
Wall Washer 59° x 115° = 1831 - 2041Lm	2747 - 3062Lm	3663 - 4082Lm	
Wall Grazer 15° x 76° = 1712 - 1908Lm	2568 - 2862Lm	3424 - 3816Lm	
Flood 32° x 85° = 1412 - 1537Lm	2117 - 2360Lm	2823 - 3146Lm	

Refer to pages 4-9 for complete fixture data information.

Lumen Maintenance (L70): 50,000hrs

Calculation for LED fixtures are based on measurements that comply with IES LM-80.

Voltage: Universal Voltage 120-277V AC 50/60Hz

Weight: 5lbs (22.68"), 7.5lbs (33.70"), 10lbs (44.73")

IK: IK08

IP Rating: IP67

Certifications: cULus listed Wet Location Listed

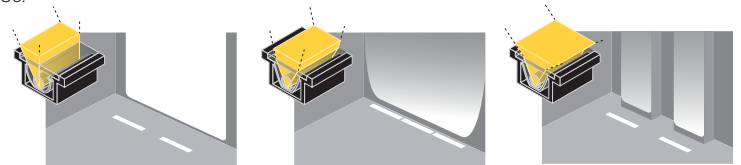
Tested in accordance with LM-79-08

Warranty: 5 year limited warranty

^ANot to be in direct contact with salt for extended periods of time or used with corrosive agents.



Integrated Louver Option
Integrated anti-glare louver option pre-installed inside the fixture.



Wall Wash

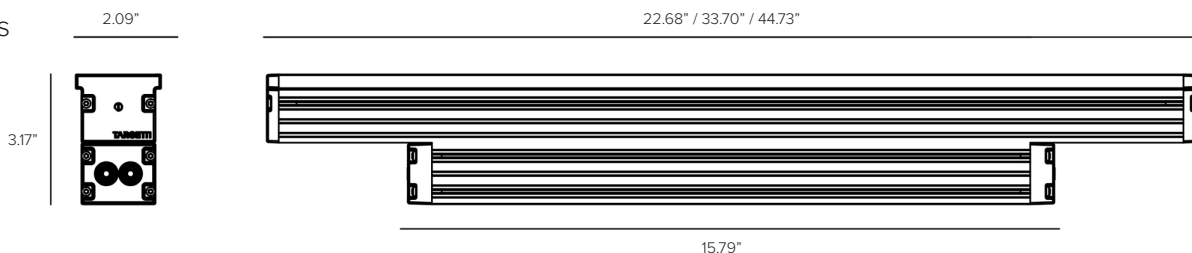
Wall Grazer

Flood

PRODUCT CODE	TYPE	LOCATION	INTEGRAL DRIVER	OPTICS	LENGTH	COLOR TEMP	CABLE	LOUVER OPTION	+	MOUNTING
JE — JEDI	C — Compact	O — Outdoor IP67	10 — 0-10V	SP — Spot 12°	24 — 22.68" 27 — 2700K		L ¹ — Lead	LV ² — Integrated Louver Option		Required (See Pg 2)
			ND — Non-Dimming	WW — Wall Washer 59°x115°	36 — 33.70" 30 — 3000K		C ¹ — Center			
				WG — Wall Grazer 15°x76°	48 — 44.73" 35 — 3500K		E ¹ — End			
				FL — Flood 32°x85°	40 — 4000K		S ¹ — Solo			
							P ² — Permapost Mount Cable			

¹ See Page 3 for inline cable configurations
² To be used with Permapost mounting only, see Page 4 for installation details

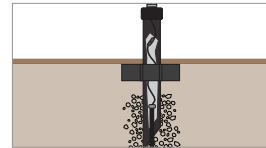
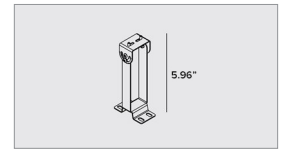
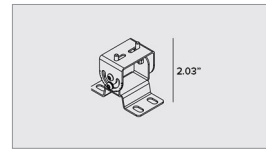
Views



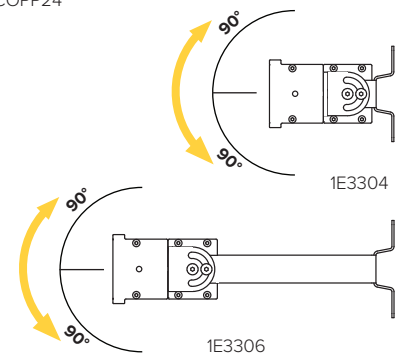
TARGETTI

JEDI COMPACT IP67 INTEGRAL

INSTALLATION ACCESSORIES (REQUIRED)	
1E3304	Short bracket kit for surface installation (set of two).
1E3306	Long bracket kit for surface installation (set of two).
JECOPP24	Aluminum Permapost with long mounting bracket (set of two), Deep Black finish. Dimensions: 24"L x 2"Dia.



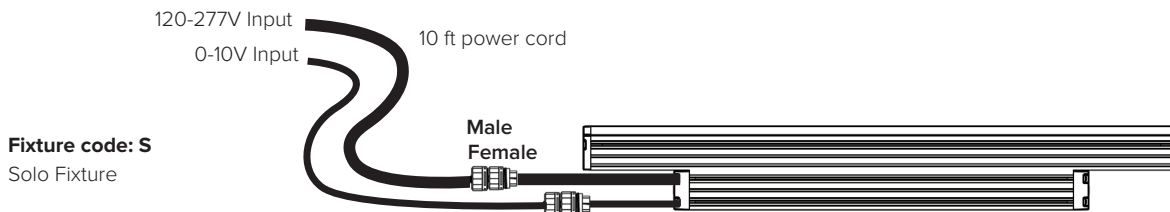
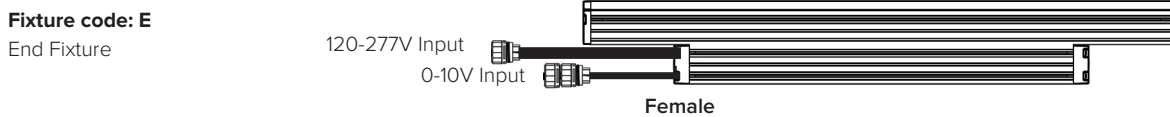
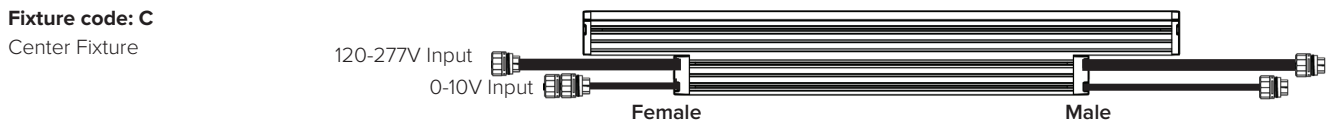
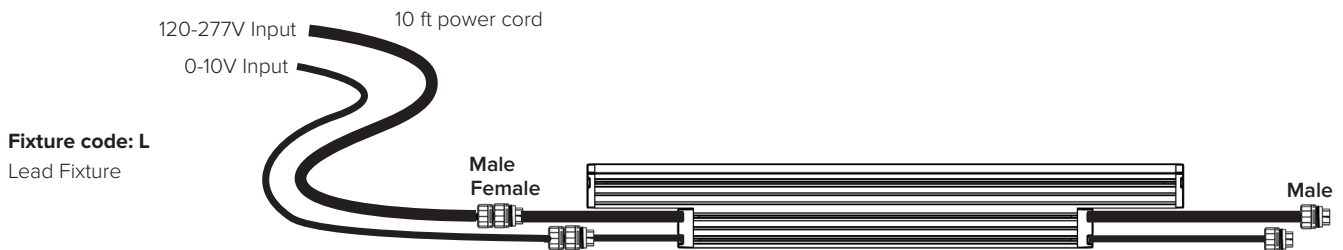
JECOPP24



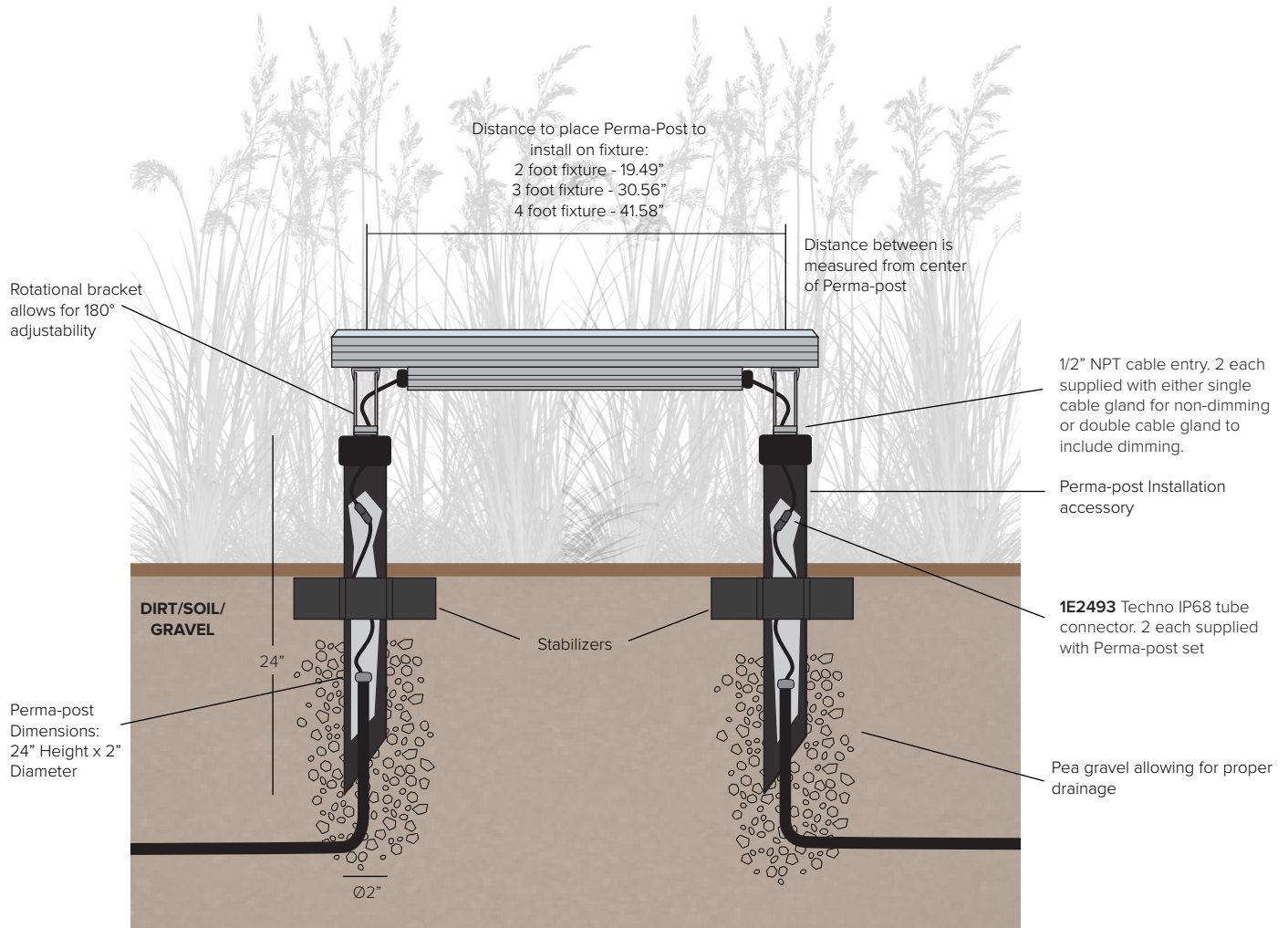
Standard Connection Cable Configurations

CABLE OPTION	DESCRIPTION
L — Lead	10ft lead cable with IP68 female connector. Inline lead fixture with 1ea IP68 male connector and 1ea IP68 female connector.
C — Center	Inline center fixture with 1ea IP68 male connector and 1ea IP68 female connector. Included with outdoor jumper cable.
E — End	Inline end fixture with 1ea IP68 male connector. Included with outdoor jumper cable.
S — Solo	10ft lead cable with IP68 female connector. Solo fixture with 1ea IP68 male connector.
P — Perma-Post	2ft cable supplied on both ends of fixture, no connectors attached for Perma-post mounting configuration. To be used with Perma-post installation accessory only. See page 4 for installation diagram.

NOTE: (2) cables provided for 0-10V dimmable versions.



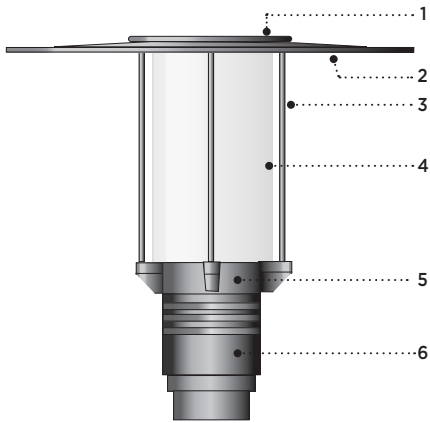
PERMAPOST INSTALLATION DIAGRAM



TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE WATTAGE VOLTAGE FINISH OPTION OPTION OPTION OPTION



- 1- Heavy cast aluminum top cover with integral LED heat dissipating pad.
- 2- One piece .090" (2.3mm) thick hard aluminum top shade. Underside surface is painted white enamel to optimize light performance (EC611 only).
- 3- Set of 4 X 1/2" (13mm) solid aluminum struts.
- 4- High impact white translucent UV stabilized acrylic diffuser.
- 5- Cast aluminum upper electrical housing.
- 6- Cast aluminum lower electrical housing.

EC610



EC610-EC6WS



EC611



EC611-EC6W



MATERIALS

Eclipse Mini is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. Light source is enclosed in a high impact white translucent UV stabilized acrylic sealed diffuser. The lower cast aluminum housing fits with a 4" or 5" (102mm or 127mm) pole and contains all electrical controls on a removable tray.

ELECTRICAL

LED

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), optional 347V on request, minimum operating temperature of -30°C/-22°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery, and over temperature protection (110°C).

LED Standard 4000K/80CRI. Optional 2700K, 3000K and 3500K. Removable modular LED platform.

LIFE

60,000hrs $L_{80}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data).
139,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

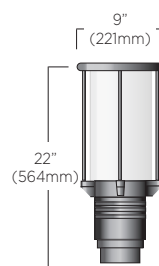
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

MOUNTING

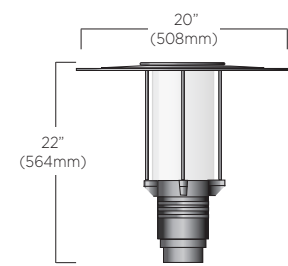
Maximum weight: 16 lbs (7 kg)
Standard luminaire mounts on a 4" or 5" (102mm or 127mm) pole. Alternate wall and pole attachments are proposed with high quality components to meet multiple installation conditions.

CERTIFICATION

Tested to UL1598 and CSA 22.2 #250. cULus listed wet location. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards. Rated IP65.



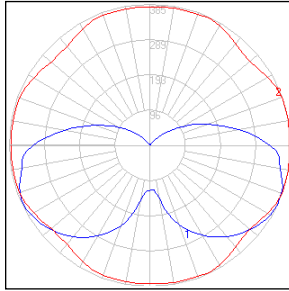
EC610
EPA: 0.86



EC611
EPA: 0.92

EC610/EC611 SERIES ECLIPSE MINI - LED

TYPICAL PHOTOMETRY SUMMARY





Descriptive Information

EC610-L1W48r0
EC611-L1W48r0

Total Lms: 2812 Lumens
Total Input Watts: 33.3 W
Source: LED
Efficacy: 56.7 Lumens/Watt
BUG: B1-U3-G2
CCT/CRI: 4000K/80
Maximum Candela: 385 @ 65°V

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION (4000K/80CRI)	VOLTAGE ¹	FINISH												
 <input type="checkbox"/> EC610	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>INPUT WATTS</th> <th>DELIVERED LUMENS</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1W18r1</td> <td>15W</td> <td>1163</td> </tr> <tr> <td><input type="checkbox"/> L1W30r1</td> <td>24W</td> <td>2011</td> </tr> <tr> <td><input type="checkbox"/> L1W48r0</td> <td>33W</td> <td>2812</td> </tr> </tbody> </table>	SUFFIX	INPUT WATTS	DELIVERED LUMENS	<input type="checkbox"/> L1W18r1	15W	1163	<input type="checkbox"/> L1W30r1	24W	2011	<input type="checkbox"/> L1W48r0	33W	2812	<input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V	STANDARD COLORS <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
	SUFFIX	INPUT WATTS	DELIVERED LUMENS												
<input type="checkbox"/> L1W18r1	15W	1163													
<input type="checkbox"/> L1W30r1	24W	2011													
<input type="checkbox"/> L1W48r0	33W	2812													
 <input type="checkbox"/> EC611															

OPTIONS

ELECTRICAL

- FS** Fuse ²
- PH** Photocell ²
- 347L** 347V input power driver

LIGHT

Alternate CCT %K LED (LCF: Lumen conversion factor). (Apply multiplier to listed values for lumens output reference).

- K27** 2700K CCT 80 CRI (LCF: 0.91)
- K3** 3000K CCT 80 CRI (LCF: 0.94)
- K35** 3500K CCT 80 CRI (LCF: 0.98)

NOTE: Other CCT & higher CRI available, please consult factory.

MOUNTING

- AC6** Pole mount attachment with 45° support
- 2AC6** Double pole mount attachments with 45° support at 180°
- AW6** Wall mount attachment with 45° support
- EC6P** Pole mount attachment with arm
- 2EC6P** Double pole mount attachment with arms at 180°
- EC6W** Wall mount attachment with arm
- EC6PS** Pole mount attachment with short arm (EC610 only)
- 2EC6PS** Double pole mount attachment with short arms at 180° (EC610 only)
- EC6WS** Wall mount attachment with short arm (EC610 only)
- ECM4T** Post top mounting on 4" (102mm) pole
- ECM5T** Post top mounting on 5" (127mm) pole ⁴
- TN3** 3" Tenon pole adaptor ³
- PR6** Pedestal mount adaptor

ACCESSORIES

- HS6** House side shield

CONTROL

- NLTAIR2** nLight AIR Control gen2, Pole mounted black sensor. ^{5, 6, 7}

NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- Fuse and photocell options are normally installed with poles when specified with Luminis luminaires. (Except for other types of mounting.)
- 3- 3" tenon pole adaptor only required for 3" O.D. poles by others.
- 4- For 1/8" wall thickness. For other wall thickness contact factory.
- 5- Not compatible with PH, Wall mounts, Double Pole Mounts, TN3, PR6.
- 6- Only available with PAA5xx (Ø5" poles).
- 7- White sensor available upon request.

LUMINIS®

LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872 Email: info@luminis.com
260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

LUMINIS.COM

Luminaires may be altered for design improvement or discontinued without prior notice.

EC610/EC611 SERIES ECLIPSE MINI - LED

POLE MOUNT

AC6
1" X 2" (25mm X 51mm) extruded aluminum extended arm pole mounting adaptor designed to fit with Ø 4" poles. Ø 1/2" X 45° standard natural stainless steel rod support. (EPA: 0.7)

EC6P (Applicable for EC610 and EC611)
1" X 2" (25mm X 51mm) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with Ø 4" poles. (EPA: 0.97)

EC6PS (Applicable for EC610 only)
1" X 2" (25mm X 51mm) extruded aluminum side pole straight mounting. Pole mounting adaptor fits with Ø 4" poles. (EPA: 0.72)

2AC6
Double pole mount attachments with 45° support at 180°


2EC6P
Double pole mount attachment with arms at 180°

2EC6PS
Double pole mount attachment with short arms at 180° (EC610 only)

PR6
Ø 6" X 26.7" H. extruded aluminum stand designed for short walls or pier mount.

ECM4T
To be installed on Ø 4" (102mm) pole

ECM5T
To be installed on Ø 5" (127mm) pole. For 1/8" wall thickness. For other wall thickness contact factory.

NLTAIR2 
Control gen2, Pole mounted black sensor. 270° coverage. Installed at 180° from hand hole. Only available with PAA5xx (Ø5" poles).





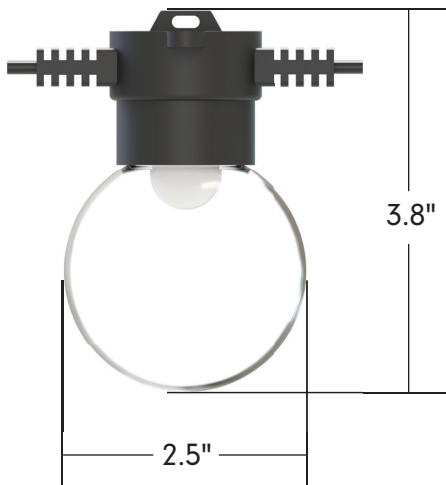
Project: _____ TYPE: _____

Product Features

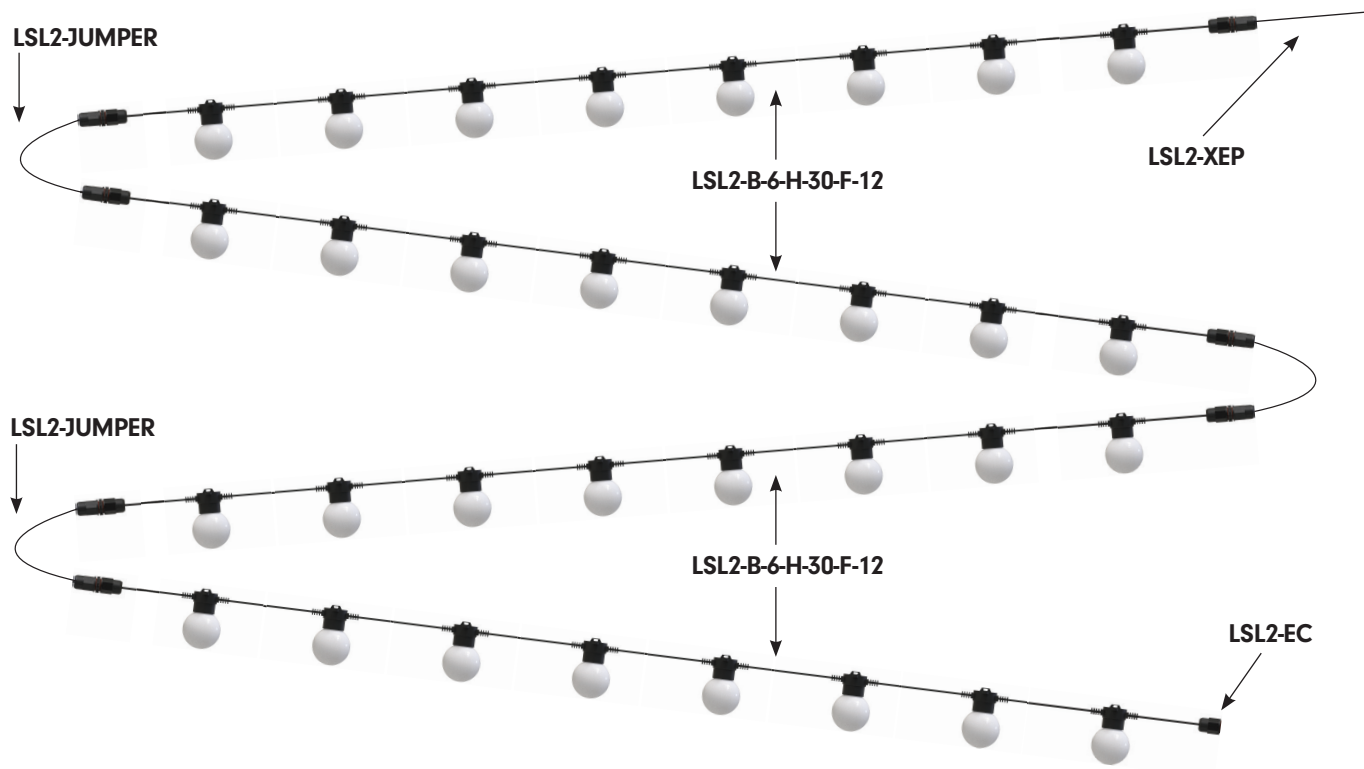
- Tivoli's next evolution of Litesphere delivers a robust specification-grade strand with factory molded standard spacing for consistent quality from start to finish
- Litesphere 2.0 design provides optional suspended mounting or a twist-off cap for surface applications
- 12V DC Low voltage system for long runs
- IP67
- cULus
- 3 Year warranty



Dimensions



System Configuration Example



Strand Order Guide

Note: For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.

Product	Wire	Spacing	LED Type	LED Color	Globe	Voltage
LSL2 Litesphere 2.0	B Black W White	06 6" OC 12 12" OC 18 18" OC 24 24" OC	V Very High Output H High Output S Standard Output	19 1900K 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K* AM Amber* RB Royal Blue* RD Red* GN Green* YL Yellow*	C Clear F Frosted O Opal	12 12V DC

*Available in VHO LED only

Power Lead Order Guide

Figure A - All Litesphere 2.0 are evenly cut between globes according to specified spacing.
 Figure B - Power leads are added to the end cut, extending the total length of the power lead.

LSL2-XEP-X-XX

X = B (Black), W (White)
 XX = 05 (5'), 10 (10'), 15 (15'), 20 (20'), 25 (25')
 For custom length consult factory

Figure A

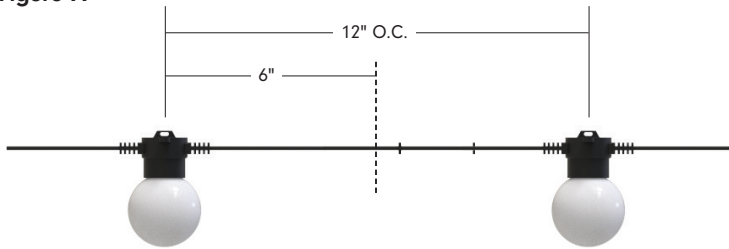
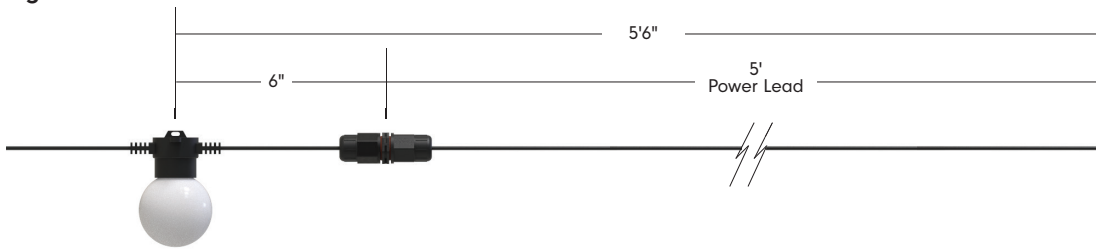


Figure B



Jumper Order Guide

Figure A - All Litesphere 2.0 are evenly cut between globes according to specified spacing.
 Figure B - Jumpers are added between the cuts, extending the total length of wire between globes.

LSL2-JUMPER-X-XX

X = B (Black), W (White)
 XX = 05 (5'), 10 (10')
 For custom length, consult factory

Figure A

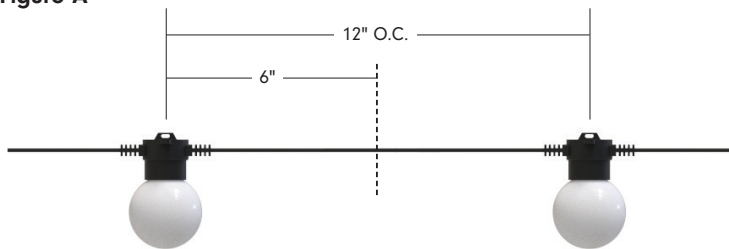
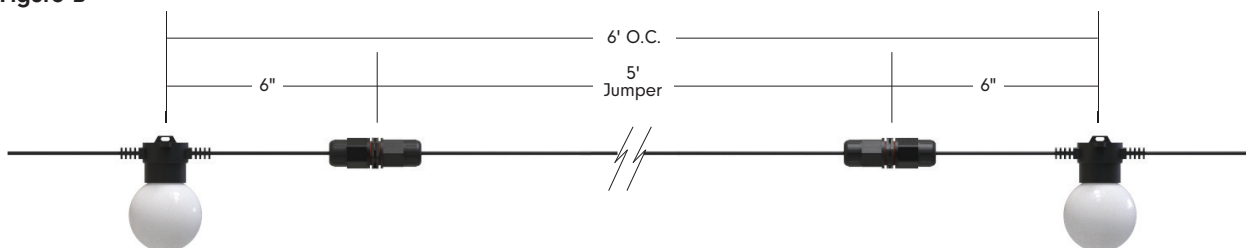


Figure B



Mounting Options

SURFACE/FLUSH

For surface mount applications, remove the top suspension-plate by turning counter-clockwise until off. Place socket flush against the desired surface and mount using proper screws according to substrate.



SUSPENDED

Suspended mounting will use a combination of LS-Cable, LS-Locks with LS-UVZP. Tension the cable wire with our LS-TT (Tension Tool) for desired sag (Please adhere to local city code for suspended application).

Note: For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.



Mounting Accessories



LS-CABLE-60 Catenary Cable Kit - 60'
(1/8" galvanized cable includes 2 cable locks for use with loads up to 200lbs)

LS-CABLE-110 Catenary Cable Kit - 110'
(1/8" galvanized cable includes 2 cable locks for use with loads up to 200lbs)

LS-CABLE-500 Catenary Cable Kit - 500'
(1/8" galvanized cable for use with loads up to 200lbs)



LS-LOCK-4
Cable Lock for 1/8th inch cable, Heavy-duty lockable fasteners support loads up to 200 lbs. Can be easily adjusted without the use of tools. Includes (2) Locks, (1) cable release key.



LS-TT
Catenary Cable Tensioning Tool up to 880lbs with minimal effort due to the 6:1 gear drive mechanism. Integral torque gauge controls the load applied to the wire, giving consistent tension every time and optimizing the life of the wire.



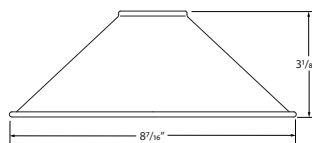
LS-UVZP-XX-50
X = BK (Black), WH (White)
50 pc Bag set. UV resistant, heavy duty ties. Maximum weight up to 100 lbs./per tie.



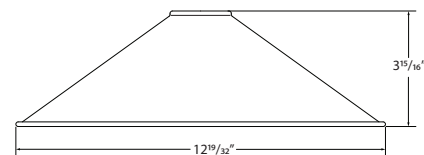
LS-UVZP-XX-30
X = BK (Black), WH (White)
30 pc Bag set. UV resistant, heavy duty ties. Maximum weight up to 100 lbs./per tie.

Light Shades

HAT



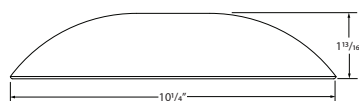
SHADE-HT-BK-BK-8
Light Shade - HAT
8.3" Black Top, Black Bottom
Weight: 0.38 lb



SHADE-HT-BK-BK-13*
Light Shade - HAT
12.6" Black Top, Black Bottom
Weight: 1.06 lb
SHADE-HT-BK-CO-13 *
Light Shade - HAT
12.6" Black Top, Copper Bottom
Weight: 1.06 lb

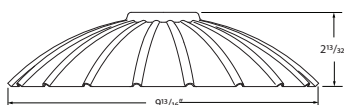
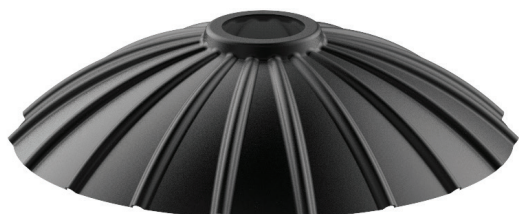
*Consult factory for lead time and MOQ

DISH

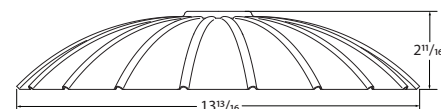


SHADE-DS-BK-BK-10
Light Shade - DISH
10.2" Black Top, Black Bottom
Weight: 0.72 lb

FLOWER

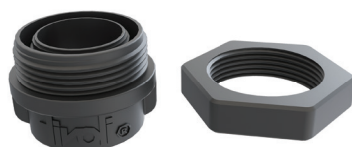


SHADE-FL-BK-BK-10
Light Shade - FLOWER
9.8" Light Shade, Black Top, Black Bottom
Weight: 0.54 lb



SHADE-FL-BK-BK-13
Light Shade - FLOWER
13.8" Light Shade, Black Top, Black Bottom
Weight: 1.1 lb

Accessories



SHADE-ADP-LSL2-XX-01 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter - Sold individually.

SHADE-ADP-LSL2-XX-25 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter Kit - Sold in packs of 25

SHADE-ADP-LSL2-XX-50 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter Kit - Sold in packs of 50

Replacement Parts



Very High Output



Standard & High Output



LSL-19-V-12
12V Wedge base
1900K
LSL-27-V-12
12V Wedge base
2700K
LSL-30-V-12
12V Wedge base
3000K
LSL-35-V-12
12V Wedge base
3500K
LSL-40-V-12
12V Wedge base
4000K
LSL-50-V-12
12V Wedge base
5000K

LSL-AM-V-12
12V Wedge base
Amber
LSL-RD-V-12
12V Wedge base
Red
LSL-RB-V-12
12V Wedge base
Royal Blue
LSL-GN-V-12
12V Wedge base
Green
LSL-YL-V-12
12V Wedge base
Yellow

STANDARD
LSL-19-S-12
12V Wedge base
1900K
LSL-27-S-12
12V Wedge base
2700K
LSL-30-S-12
12V Wedge base
3000K
LSL-35-S-12
12V Wedge base
3500K
LSL-40-S-12
12V Wedge base
4000K

HIGH OUTPUT
LSL-19-H-12
12V Wedge base
1900K
LSL-27-H-12
12V Wedge base
2700K
LSL-30-H-12
12V Wedge base
3000K
LSL-35-H-12
12V Wedge base
3500K
LSL-40-H-12
12V Wedge base
4000K

LST-CG
Litesphere 2.0
Clear globe
sold each

LST-OG
Litesphere 2.0
Opal globe
sold each



LST-FG
Litesphere 2.0
Frosted globe
sold each



LSL2-EC-X
X = B (black), W (white)
Litesphere 2.0 End-Cap
Weight: 0.0375 lb
sold each

Photometrics

Frosted Globe - Based on 3000K LED

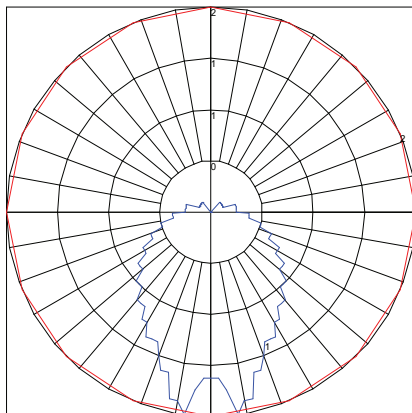
Standard Brightness

High Output

Very High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

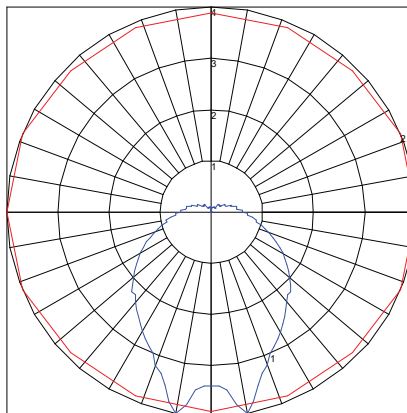
POLAR GRAPH AND MAXIMUM CANDELA INTENSITY			
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle	
1.6	0	7.5	



Maximum Candela = 1.6 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

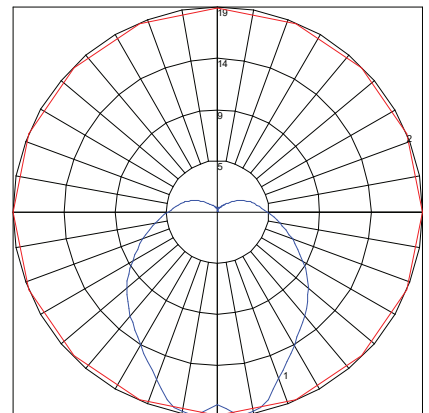
POLAR GRAPH AND MAXIMUM CANDELA INTENSITY			
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle	
4	0	10	



Maximum Candela = 4 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY			
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle	
18.5	0	7.5	



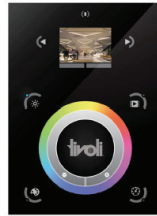
Maximum Candela = 18.5 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

Controls



TVOQ-1-WH

WH (White only)
512 DMX channel, 16 scene,
4 zone, glass touch screen



TVOQ-10-XX-7

XX = BK (Black), WH (White)
1024 DMX channel, 500 scene,
10 zone, glass touch screen



TVOQ-2-XX

XX = BK (Black), WH (White)
512 DMX channel, 99 scene,
1 zone, glass touch screen

DATE:

PROJECT:

COMMENTS:

FEATURES

- Suitable for NEMA 4X applications
- Super-bright, long-life LEDs
- Quick-connect components
- Snap-on canopy for easy installation
- Nickel cadmium battery provides a minimum of 90 minute minimum operation
- Sealed External Momentary test switch and dual diagnostic LED indicator displays AC presence and Hi-Charge status
- Self-Test / Self-Diagnostic monitoring available
- Low voltage cut-off prevents battery damage and ensures positive charge acceptance following an extended discharge
- Line-latch prevents unnecessary discharge of battery during installation. Loads will not illuminate until after application of utility power
- 120/277 VAC field-selectable inputs (with the exception of the C1/C2 (dual circuit) option which requires voltage specification upon ordering)



ORDERING INFORMATION *RWL-AC-G-1-BK-MTEBP*

1. SERIES	2. OPERATION	3. ILLUMINATION	4. FACE COUNT	5. FRAME COLOR
RWL	- -	-	-	-
	AC AC Only EM Ni-Cad Battery Backup	G Green R Red	1 Single 2 Double	BK Black GY Gray WH White
6. MOUNTING	7. OPTIONS			
MTEBP	-			
MTEBP Universal Mount	BLANK = NO OPTION C1 Dual Circuit - 120 VAC (AC Only) ¹ C2 Dual Circuit - 277 VAC (AC Only) ¹	SD Self-Diagnostics (EM Only) TP Tamperproof Screws		

ORDERING NOTES

1. This dual circuit option should only be used for exits which are intended to be connected simultaneously to normal and emergency power circuits, but cannot support two hot inputs. Only one of the normal or emergency circuits can be powered at any given time. Energizing both normal and emergency circuits simultaneously will result in damage to the exit sign.

ACCESSORIES; ORDER SEPARATELY

- WG 2 = Wire guard 14.0" X 10.0" X 4.5"
- WG 3 = Wire guard 14.5" X 6.0" X 10.5"
- WG 10 = Wire guard 13.5" X 12.0" X 16.5"

CONSTRUCTION

- UV Stabilized Polycarbonate housing
- Stainless steel captive screws secure lens cover to housing

ELECTRICAL

- Input Power: 3.4W Max

LETTERS

- 6.0" high; 0.75" stroke

ARROWS

- NFPA-Type, field selectable chevrons

TEMPERATURE RATING

- From -4°F to 122°F

APPROVALS

- UL 924 Listed for Wet Location
- NFPA Life Safety Code 101
- NFPA 70- NEC
- OSHA

WARRANTY

- Isolite offers a 3-year limited warranty. For further details, refer to General Warranty and Obligations in the Isolite manual or on our website

DIMENSIONS

