



DEPT. OF
HIGHWAY &
CONSTRUCTION

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Office: 608/266-4018 ♦ Fax: 608/267-1533
Public Works Engineering Division
Public Works Solid Waste Division

ADDENDUM

OCTOBER 23, 2017

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 317030 - ADDENDUM NO. 3

AEC COLISEUM CONCOURSE LED LIGHTING UPGRADE

BIDS DUE: TUESDAY, NOVEMBER 7, 2017, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

1. Table of Contents

Delete current Table of Contents; replace with new Table of Contents, issued with this Addendum. The updated table of contents reflects the removal and addition of sections.

2. Bid Form

Delete current Bid Form; replace with new Bid Form, issued with this Addendum.

A new breakdown of project pricing has been applied. Light fixtures are to be supplied by the County. The completion date has been extended.

3. Section 01 00 00 – Basic Requirements

Delete current Section 01 00 00, replace with new Section 01 00 00, issued with this addendum.

4. Section 26 51 19 – LED Interior Lighting

Delete current Section 26 51 19.

5. Sheet 1

Delete 'Sheet 1 – Arena Level Lighting' and replace with Sheet E2.01.

6. Sheet 2

Delete 'Sheet 2 – Main Concourse' and replace with Sheet E2.02.

7. Sheet 3

Delete 'Sheet 3 – 2nd Level Concourse' and replace with Sheet E2.03.

If any additional information about this Addendum is needed, please call Eric Urtes, AIA – Project Manager, at 608/266-4798, urtes.eric@countyofdane.com.

Sincerely,
Eric Urtes
Project Manager

Enclosures:

- Table of Contents
- Bid Form
- Section 01 00 00 - Basic Requirements
- Sheet E2.01
- Sheet E2.02
- Sheet E2.03

TABLE OF CONTENTS FOR RFB NO. 317030

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

- Project Manual Cover Page
- Table of Contents
- Advertisement for Bids (Legal Notice)
- Best Value Contracting Application
- Instructions to Bidders
- Bid Form
- Fair Labor Practices Certification
- Sample Public Works Contract
- Sample Bid Bond
- Sample Performance Bond
- Sample Payment Bond
- Equal Benefits Compliance Payment Certification Form
- Conditions of Contract
- Supplementary Conditions

DIVISION 01 - GENERAL REQUIREMENTS

- 01 00 00 - Basic Requirements
- 01 74 19 - Construction Waste Management, Disposal & Recycling

DRAWINGS

- Sheet E2.01 – Floor Plan - Arena Level Concourse
- Sheet E2.02 – Floor Plan - Main Concourse
- Sheet E2.03 – Floor Plan - 2nd Level Concourse

BID FORM

BID NO. 317030

**PROJECT: AEC COLISEUM CONCOURSE LED LIGHTING UPGRADE
ALLIANT ENERGY CENTER**

**TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY &
TRANSPORTATION PROJECT MANAGER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713**

**NOTE: WISCONSIN STATUTE 77.54 (9M) ALLOWS FOR NO SALES & USE TAX ON
THE PURCHASE OF MATERIALS FOR COUNTY PUBLIC WORKS PROJECTS.**

BASE BID - LUMP SUM:

The project consists of upgrading the facilities lighting in the Alliant Energy Center. Install fixtures provided by owner, provide power to all fixtures by reusing existing power circuits, and other requirements as outlined in the other construction documents. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid stipulated sum of:

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price

ALTERNATE - UNIT PRICING (ADD OR DELETE):

Installation cost of fixture on line power circuit: @ \$ _____ /fixture

Installation cost of fixture on emergency power circuit: @ \$ _____ /fixture

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

Dane County Department of Public Works, Highway & Transportation must have this project completed by February 28, 2018. Assuming this Work can be started by December 12, 2017, what dates can you commence and complete this job?

Commencement Date: _____ Completion Date: _____
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

1. A corporation organized and existing under the laws of the State of _____, or
2. A partnership consisting of _____, or
3. A person conducting business as _____;

Of the City, Village, or Town of _____ of the State of _____.

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the Bids Due Date to another bidder or competitor; that the above statement is accurate under penalty of perjury.

The undersigned further agrees to honor the Base Bid and the Alternate Bid(s) for sixty (60) calendar days from date of Award of Contract.

SIGNATURE: _____
(Bid is invalid without signature)

Print Name: _____ Date: _____

Title: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.

BID CHECK LIST:

These items **must** be included with Bid:

- Bid Form Bid Bond Fair Labor Practices Certification
 Project Experience / Attach sheets with summary of previous work (See ITB Section 4)

BIDDERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person bidding on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Obtain a *Vendor Registration Form* by calling 608/266-4131 or complete a new form or renewal online at:

www.danepurchasing.com/registration

DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION

Contractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at:

www.countyofdane.com/pwht/BVC_Application.aspx

EQUAL BENEFITS REQUIREMENT

By submitting a Bid, the contractor acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. Equal Benefits Compliance Payment Certification shall be submitted with final pay request. For more information:

www.danepurchasing.com/partner_benefit.aspx

SECTION 01 00 00
BASIC REQUIREMENTS

PART 1 GENERAL

1.1 SECTION SUMMARY

- A. Section Includes:
1. Section Summary
 2. Summary of the Work
 3. Contractor Use of Premises
 4. Applications for Payment
 5. Change Procedures
 6. Alternates
 7. Coordination
 8. Cutting and Patching
 9. Conferences
 10. Progress Meetings
 11. Quality Assurance / Quality Control of Installation
 12. References
 13. Protection of Installed Work
 14. Parking
 15. Staging Areas
 16. Occupancy During Construction and Conduct of Work
 17. Protection
 18. Progress Cleaning
 19. Products
 20. Transportation, Handling, Storage and Protection
 21. Starting Systems
 22. Demonstration and Instructions
 23. Contract Closeout Procedures
 24. Final Cleaning
 25. Adjusting
 26. As-Built and Record Drawings and Specifications

1.2 SUMMARY OF THE WORK

- A. Project Description: Perform the Work as specified and detailed in Construction Documents package. The project consists of upgrading the facilities lighting by replacing the current fixtures with owner provided LED fixtures on the arena level, replacing surface mounted fixtures on the main concourse with owner provided LED surface mounted fixtures, replacing surface mounted fixtures on the second concourse with owner provided lay in LED fixtures. Additionally, provide all power for all installed fixtures and design new circuitry loading based on new fixture loads. Existing normal and emergency power circuits are available in all areas and are to be reused when

acceptable. Any circuit not used shall be abandoned in place and appropriately capped. All work is to conform to all applicable codes and standards.

- B. Work by Owner:
 - 1. Removal of lay-in paneling to designate locations where fixtures are to be installed (arena and second concourse) where not explicitly designated in the construction documents.
 - 2. Owner to provide all light fixtures to be installed by Contractor.
 - 3. Owner has verified that the emergency circuits have “on/off” control with an override to turn “on” in the event of a power outage.
 - 4. Ceiling work to remove and install all light fixtures shall be by Contractor. Owner shall provide additional ceiling tiles as needed and paint ceilings (tees, panels, and spline ceiling tiles).
- C. Permits: Prior to commencement of the Work, Contractor to secure any and all necessary permits for completion of the Work and facility occupancy.

1.3 CONTRACTOR USE OF PREMISES

- A. Limit use of premises to allow work by others and work by Owner.
- B. Coordinate utility outages and shutdowns with Owner.

1.4 APPLICATIONS FOR PAYMENT

- A. Submit one (1) original copy with “wet” signatures of each application on AIA G702™ and G703™ forms or approved contractors invoice form.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- C. Payment Period: Monthly.
- D. Submit Applications for Payment to Public Works Project Manager for approval & processing for payment.

1.5 CHANGE PROCEDURES

- A. Contractor's costs for Products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from contingency allowance.

1.6 ALTERNATES

- A. Alternates quoted on Bid Form shall be reviewed and accepted or rejected at Owner's option.
- B. Coordinate related work and modify surrounding work as required.

C. Schedule of Alternates: there are no alternates proposed for this project.

1.7 COORDINATION

- A. Coordinate scheduling, submittals, and work of various sections of Specifications to assure efficient and orderly sequence of installation of interdependent construction elements.
- B. Verify utility requirement characteristics of operating equipment are compatible with building utilities.
- C. Coordinate space requirements and installation of mechanical and electrical work that are indicated diagrammatically on Drawings.
- D. Refer to Drawings for recommended work sequence and duration.
- E. Contractor shall provide Public Works Project Engineer with work plan that ensures the Work will be completed within required time of completion.
- F. Public Works Project Manager may choose to photograph or videotape site or workers as the Work progresses.

1.8 CUTTING AND PATCHING

- A. Employ a skilled and experienced installer to perform cutting and patching new work; restore work with new Products.
- B. Submit written request in advance of cutting or altering structural or building enclosure elements.
- C. Fit work tight to adjacent elements. Maintain integrity of wall, ceiling, or floor construction; completely seal voids.
- D. Refinish surfaces to match adjacent finishes.

1.9 CONFERENCES

- A. There will be pre-bid conference for this project; see Instructions to Bidders.
- B. Owner will schedule a preconstruction conference after Award of Contract for all affected parties.
- C. Contractor shall submit Construction Schedule at pre-construction meeting.
- D. When required in individual Specification section, convene a pre-installation conference at project site prior to commencing work of Section.

1.10 PROGRESS MEETINGS

- A. Schedule and administer meetings throughout progress of the Work at minimum of one (1) bi-weekly, agreed upon with Public Works Project Manager.
- B. Preside at meetings, record minutes, and distribute copies within two (2) business days to those affected by decisions made.
- C. Attendance at progress meetings by General Contractor, subcontractors, or their authorized representative, is mandatory.
- D. Contractors shall give verbal reports of progress on the Work, discuss schedule for upcoming period and present all conflicts, discrepancies or other difficulties for resolution.
- E. Day & time of progress meetings to be determined at pre-construction meeting.

1.11 QUALITY ASSURANCE / QUALITY CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce work of specified quality.
- B. Comply fully with manufacturers' installation instructions.
- C. Comply with specified standards as minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.

1.12 REFERENCES

- A. Conform to reference standard by date of issue current as of date for receiving bids.
- B. Should specified reference standard conflict with Construction Documents, request clarification from Public Works Project Manager before proceeding.

1.13 PROTECTION OF INSTALLED WORK

- A. Protect installed work and provide special protection where specified in individual Specification sections.

1.14 PARKING

- A. Arrange for temporary parking areas to accommodate construction personnel. Parking shall be available at the Work site.

- B. All contractors and their employees shall cooperate with General Contractor and others in parking of vehicles to avoid interference with normal operations and construction activities.
- C. Do not obstruct existing service drives and parking lots with equipment, materials and / or vehicles. Keep accessible for Owner's use at all times.

1.15 STAGING AREAS

- A. Coordinate staging areas with Public Works Project Manager prior to starting the Work.
- B. On-site space for use as staging areas and storage of materials is limited and will be apportioned among various Contractors as their needs dictate with due regard for storage requirements of each Contractor. Each Contractor shall be responsible for safety of equipment and materials that are stored on site.

1.16 OCCUPANCY DURING CONSTRUCTION AND CONDUCT OF WORK

- A. Smoking is prohibited on Dane County property.
- B. Owner reserves right at any time to dismiss from premises any Contractor or construction personnel that do not uphold requirements of this Section.
- C. Owner shall not be held liable for any lost time, wages, or impacts to construction schedule by any Contractor or construction personnel dismissed for failure to uphold requirements of this Section.
- D. Areas of existing facility will be occupied during period when the Work is in progress. Work may be done during hours approved by Owner, schedule work and store materials so as not to interfere with normal use of premises. Work performed on Saturday shall be by permission of Owner. If schedule is not convenient for Owner, reschedule and resubmit new times for Owner approval.
- E. Work shall be done and temporary facilities furnished so as not to interfere with access to any occupied area and so as to cause least possible interference with normal operation of facility or any essential service thereof.
- F. Contractor shall, at all times, provide approved, safe walkways and facility entrances for use by Owner, employees and public.
- G. Contractor shall provide adequate protection for all parts of facility, its contents and occupants wherever the Work under this Contract is to be performed.
- H. Each Contractor shall arrange with Owner to make necessary alterations, do new work, make connections to all utilities, etc., at such times as will not cause interruption of utility services to facility. Contractor doing this work shall protect, cap, cut off and / or replace and relocate existing pipes, electrical work and other active utilities encountered which may interfere with new construction work.

- I. New work in extension of existing work shall correspond in all respects with that to which it connects or similar existing work unless otherwise indicated or specified.
 - 1. Existing work shall be cut, altered, removed or replaced as necessary for performance of Contract obligations.
 - 2. Work remaining in place, damaged or defaced by reason of work done under this Contract shall be restored equal to its condition at time of Award of Contract.
 - 3. If removal of work exposes discolored or unfinished surfaces or work out of alignment, such surfaces shall be refinished or materials replaced as necessary to make continuous work uniform and harmonious.
- J. Contractor is not responsible for providing & maintaining temporary toilet facilities.

1.17 PROTECTION

- A. Contractor shall protect from damage / injury, mechanical, electrical & plumbing equipment, walks and driveways and pay for any damage to same resulting from insufficient or improper protection.

1.18 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in clean and orderly condition.

1.19 PRODUCTS

- A. Products: Means new material, machinery, components, equipment, fixtures, and systems forming the Work, but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work. Products may also include existing materials or components specifically identified for reuse.
- B. Do not use materials and equipment removed from existing premises, except as specifically identified or allowed by Construction Documents.

1.20 TRANSPORTATION, HANDLING, STORAGE AND PROTECTION

- A. Transport, handle, store and protect Products in accordance with manufacturer's instructions.

1.21 STARTING SYSTEMS

- A. Provide written notification prior to start-up of each equipment item or system.
- B. Ensure that each piece of equipment or system is ready for operation.
- C. Execute start-up under supervision of responsible persons in accordance with manufacturers' instructions.
- D. Submit written report that equipment or system has been properly installed and is functioning correctly.

1.22 DEMONSTRATION AND INSTRUCTIONS

- A. Demonstrate operation and maintenance of Products to Owner's personnel prior to date of final inspection.
- B. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance, and shutdown of each item of equipment at agreed-upon times, at designated location.
- C. Owner may choose to photograph or videotape demonstration session; demonstration and demonstrator shall be to level of satisfaction of Owner.

1.23 CONTRACT CLOSEOUT PROCEDURES

- A. Submit written certification that Construction Documents have been reviewed, the Work has been inspected, and the Work is complete in accordance with Construction Documents and ready for Public Works Project Manager's inspection.
- B. Submit final Application for Payment identifying total adjusted Contract Sum / Price, previous payments, and amount remaining due.

1.24 FINAL CLEANING

- A. Execute final cleaning prior to final inspection.
- B. Clean interior and exterior surfaces exposed to view.
- C. Remove waste and surplus materials, rubbish, and construction facilities from site.

1.25 ADJUSTING

- A. Adjust operating Products and equipment to ensure smooth and unhindered operation.

1.26 AS-BUILT AND RECORD DRAWINGS AND SPECIFICATIONS

- A. Contractor-produced Drawings and Specifications shall remain property of Contractor whether Project for which they are made is executed or not. Contractor shall furnish Public Works Project Manager with original marked up redlines of Construction Documents' drawings and specifications that shall include all Addendums, Change Orders, Construction Bulletins, on-site changes, field corrections, etc. These are project As-Built Drawings & Specifications. Record Drawings & Specifications shall be created from these As-Built by Public Works.

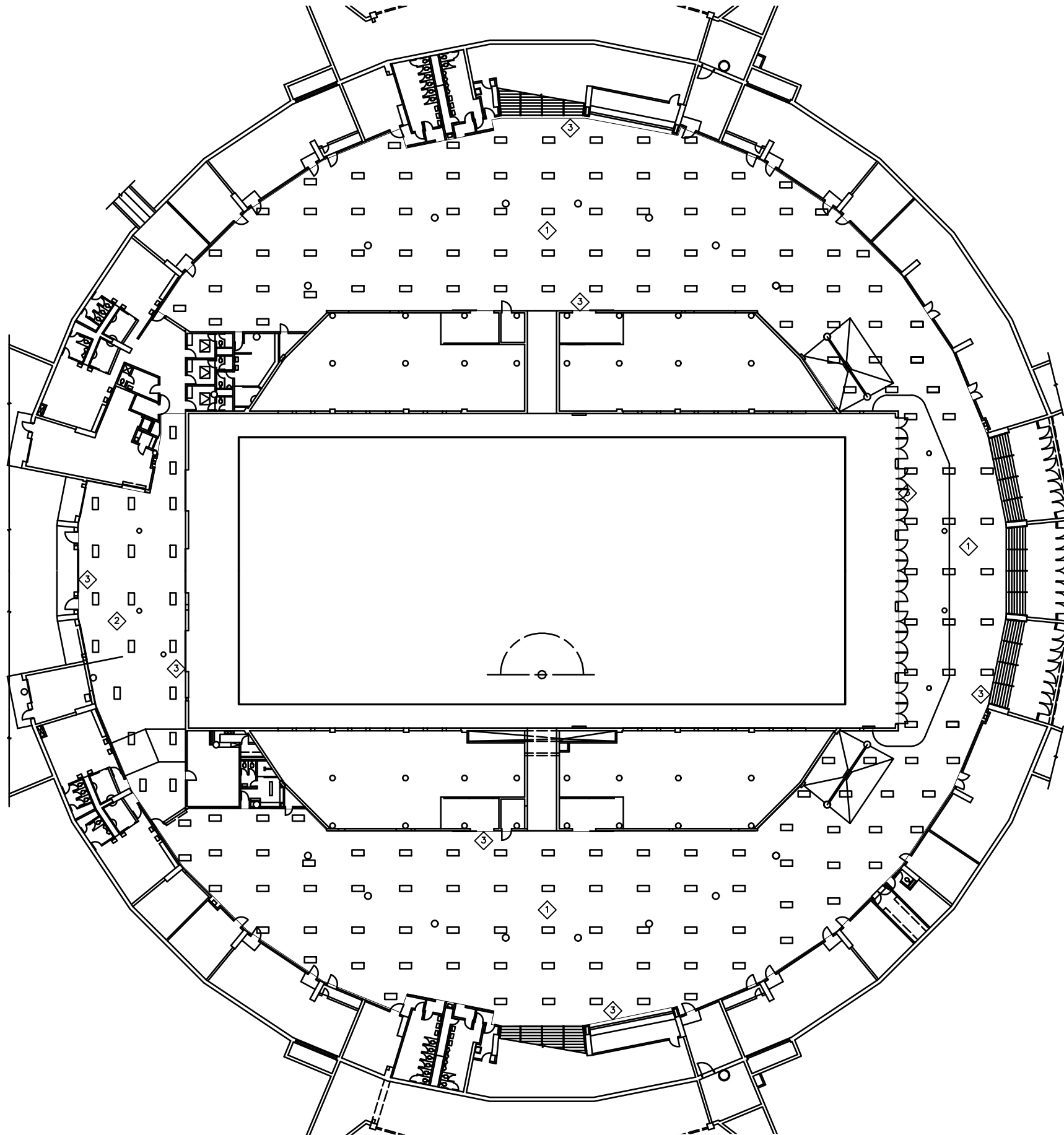
PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION



GENERAL NOTES

1. LAYOUT AND FIXTURE QUANTITIES ARE APPROXIMATE. GENERAL LAYOUT IS BASED ON A 14' x 16' GRID PROVIDING 20FC OF LIGHTING. LAYOUT IS MODIFIED TO SUIT THE CIRCULAR NATURE OF THE FACILITY. FINAL FIXTURE QUANTITIES AND LAYOUT WILL BE DEPENDENT ON THE FIXTURE BEING PROVIDED.

2. INTENT OF NEW INSTALLATION IS TO REUSE THE NEAREST NORMAL OR EMERGENCY CIRCUIT. ALL EXISTING CIRCUITS ARE CURRENTLY CONTROLLED, CONTROL WILL REMAIN AS IS.

DEMOLITION NOTES

1. PROVIDE DEMOLITION OF 476 1x4 LINEAR SURFACE MOUNTED FLUORESCENT FIXTURES ON EXISTING 2x4 LAY IN GRID CEILING AND 27 INDIVIDUAL 2x4 SURFACE/PENDANT MOUNTED FIXTURES IN EXPOSED STRUCTURE AREAS.

2. MAINTAIN EXISTING NORMAL AND EMERGENCY CIRCUITING FOR REUSE. CAP ALL WIRING NOT BEING REUSED AND MARK CIRCUIT BREAKERS SPARE IN PANEL.

2. OWNER WILL PROVIDE ALL CEILING CLEANING, PAINTING AND TILE REPLACEMENT AS REQUIRED. OWNER WILL PROVIDE TOOLS FOR WORK IN CONCEALED SPLINE CEILINGS. COORDINATE SCHEDULE WITH OWNER.

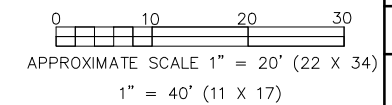
PLAN NOTES

1 PUBLIC CONCOURSE AREA OF 2x4 LAY IN GRID 10' AFF WHERE NEW 2x4 LAY IN LED PANEL FIXTURES (TYPE A) WILL BE INSTALLED. .

2 BACK STAGE/LOADING DOCK AREA OF EXPOSED STRUCTURE WHERE SURFACE/PENDANT FIXTURES (TYPE C) WILL BE INSTALLED.

3 INDICATES CONSTRUCTION LIMIT.

1 ARENA LEVEL
E2.01



VETERANS MEMORIAL COLISEUM
ALLIANT ENERGY CENTER

1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN

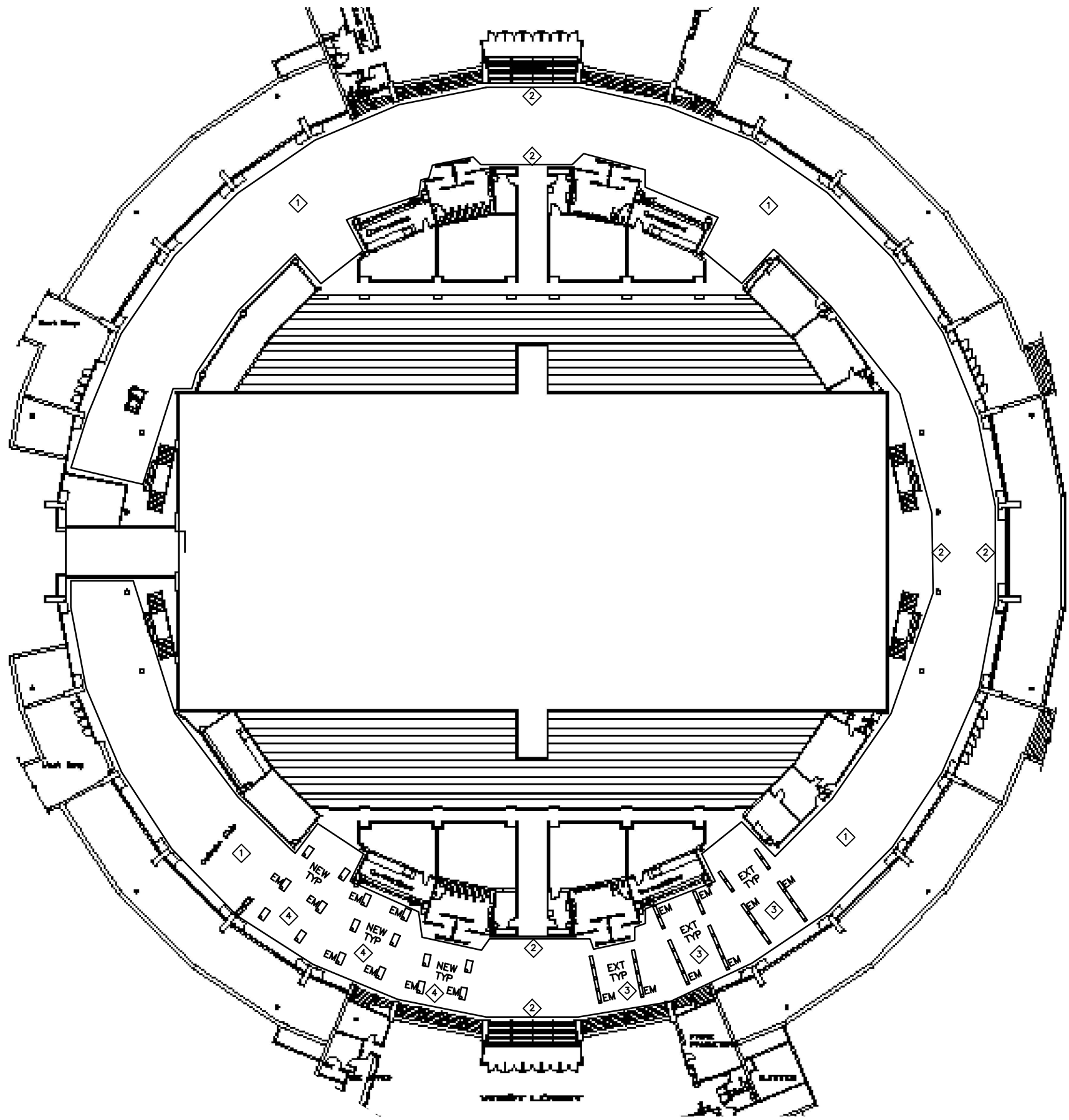
CONCOURSE LIGHTING UPGRADE

FLOOR PLAN - ARENA LEVEL CONCOURSE

Revisions:

No.	Date:	Description:

Graphic Scale	SEE DRAWING
Project Number	17024
Set Type	RFB
Date Issued	10/20/17
Sheet Number	E2.01



GENERAL NOTES

1. LAYOUT AND FIXTURE QUANTITIES ARE APPROXIMATE TO PROVIDE 20FC LEVEL OF LIGHTING. FINAL FIXTURE QUANTITIES AND LAYOUT WILL BE DEPENDENT ON THE FIXTURE BEING PROVIDED.
2. INTENT OF NEW INSTALLATION IS TO REUSE THE NEAREST NORMAL OR EMERGENCY CIRCUIT. ALL EXISTING CIRCUITS ARE CURRENTLY CONTROLLED, CONTROL WILL REMAIN AS IS.

DEMOLITION NOTES

1. PROVIDE DEMOLITION OF 275 1x4 LINEAR SURFACE MOUNTED FLUORESCENT FIXTURES ON EXISTING CONCEALED SPLINE CEILING.
2. MAINTAIN EXISTING NORMAL AND EMERGENCY CIRCUITING FOR REUSE. CAP ALL WIRING NOT BEING REUSED AND MARK CIRCUIT BREAKERS SPARE IN PANEL.
3. WORK OF LIGHTING IN EXPOSED STRUCTURE "VOM" AREAS WILL BE BY OWNER.
4. OWNER WILL PROVIDE ALL CEILING CLEANING, PAINTING AND TILE REPLACEMENT AS REQUIRED. OWNER WILL PROVIDE TOOLS FOR WORK IN CONCEALED SPLINE CEILINGS. COORDINATE SCHEDULE WITH OWNER.

PLAN NOTES

- 1 PUBLIC CONCOURSE AREA OF 1x2 SPLINE CEILING 9'-6" AFF WHERE NEW 2x4 SURFACE MOUNTED 2x4 LED PANEL FIXTURES WILL BE INSTALLED. .
- 2 CONSTRUCTION LIMIT.
- 3 TYPICAL EXISTING LIGHTING LAYOUT OF SURFACE MOUNTED LIGHTING BEING REMOVED IN WIDE, MEDIUM AND NARROW CONCOURSE WIDTH. THESE LAYOUTS ARE TYPICAL FOR THE ENTIRE CONCOURSE. LAYOUT SHOWS TYPICAL FIXTURES ON BOTH NORMAL AND EMERGENCY CIRCUITS. SOME LAYOUTS DIFFER SLIGHTLY. .
- 4 APPROXIMATE NEW SURFACE MOUNTED LIGHTING (TYPE B) LAYOUT FOR WIDE, MEDIUM AND NARROW CONCOURSE WIDTH. THESE LAYOUTS ARE TYPICAL FOR THE ENTIRE CONCOURSE. LAYOUT SHOWS TYPICAL FIXTURES ON BOTH NORMAL AND EMERGENCY CIRCUITS. SOME LAYOUTS MAY DIFFER SLIGHTLY.

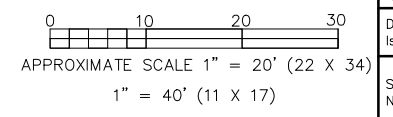
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CONCOURSE LIGHTING UPGRADE
FLOOR PLAN - MAIN LEVEL CONCOURSE
Sheet Title:

Revisions:		
No.	Date:	Description:

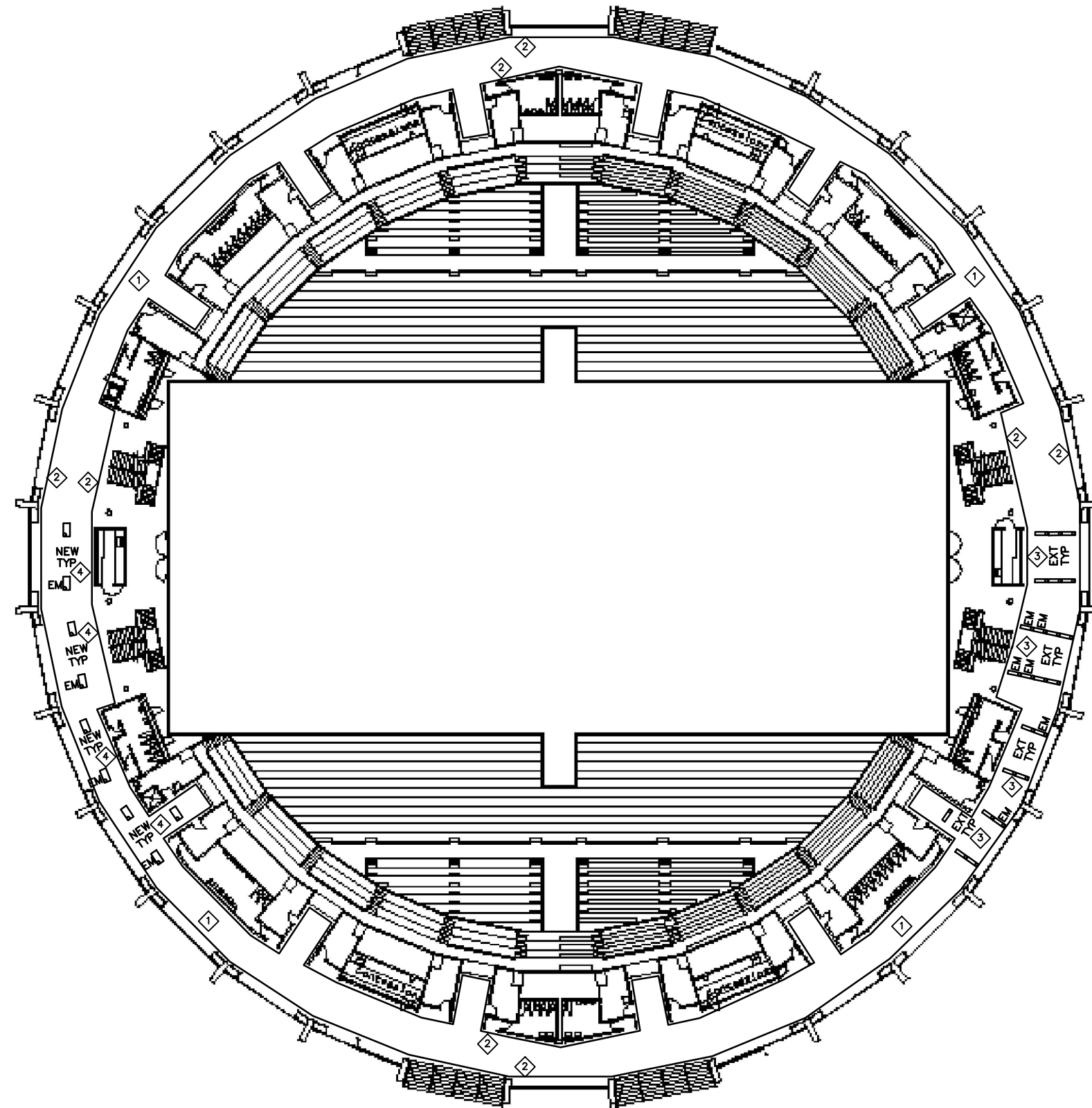
Graphic Scale	SEE DRAWING
Project Number	17024
Set Type	RFB
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Sheet Number	E2.02

1 MAIN LEVEL
E2.02



LIGHTING FIXTURES										
MARK	FIXTURE		VOLT.	LAMP		MOUNTING		MANUFACTURER		REMARKS
	TYPE	DIFFUSER		#-WATTS	TYPE	TYPE	HT.	NAME	CAT. NO.	
A	2 X 4 TROFFER	LED PANEL	120	LED	80CRI 5000K	REC	CLG	RAB OR APPROVED EQUAL	EZPAN-D10	LED LIGHT PANEL, WHITE FINISH, 0-10V DIMMING TO 10% LIGHT OUTPUT AS REQUIRED TO ACHIEVE 20FC MIN. AVE.
B	2 X 4 TROFFER	LED PANEL	120	LED	80CRI 5000K	SURF	CLG	RAB OR APPROVED EQUAL	EZPAN-D10	LED LIGHT PANEL, WHITE FINISH, 0-10V DIMMING TO 10%, 2" DEEP SURFACE MOUNT. LIGHT OUTPUT AS REQUIRED TO ACHIEVE 20FC MIN. AVE.
C	2 X 4 TROFFER	LED PANEL	120	LED	80CRI 5000K	PEND	CLG	RAB OR APPROVED EQUAL	EZPAN-D10	LED LIGHT PANEL, WHITE FINISH, 0-10V DIMMING TO 10% LIGHT OUTPUT AS REQUIRED TO ACHIEVE 20FC MIN. AVE.

ACTUAL FIXTURE AND LAYOUTS SHOWN ARE APPROXIMATE. FINAL FIXTURES AND LAYOUT WILL BE DETERMINED BY MANUFACTURER.



1 SECOND LEVEL
E2.03

GENERAL NOTES

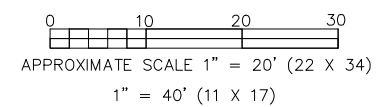
- LAYOUT AND FIXTURE QUANTITIES ARE APPROXIMATE TO PROVIDE 20FC LEVEL OF LIGHTING. FINAL FIXTURE QUANTITIES AND LAYOUT WILL BE DEPENDENT ON THE FIXTURE BEING PROVIDED.
- INTENT OF NEW INSTALLATION IS TO REUSE THE NEAREST NORMAL OR EMERGENCY CIRCUIT. ALL EXISTING CIRCUITS ARE CURRENTLY CONTROLLED, CONTROL WILL REMAIN AS IS.

DEMOLITION NOTES

- PROVIDE DEMOLITION OF 160 1x4 LINEAR SURFACE MOUNTED FLUORESCENT FIXTURES ON EXISTING LAY IN CEILING.
- MAINTAIN EXISTING NORMAL AND EMERGENCY CIRCUITING FOR REUSE. CAP ALL WIRING NOT BEING REUSED AND MARK CIRCUIT BREAKERS SPARE IN PANEL.
- OWNER WILL PROVIDE ALL CEILING CLEANING, PAINTING AND TILE REPLACEMENT AS REQUIRED. COORDINATE SCHEDULE WITH OWNER.

PLAN NOTES

- PUBLIC CONCOURSE AREA OF 2x4 LAY IN CEILING 8'-6" AFF WHERE NEW 2x4 LAY IN AND SURFACE MOUNTED 2x4 LED PANEL FIXTURES WILL BE INSTALLED.
- CONSTRUCTION LIMIT.
- TYPICAL EXISTING LIGHTING LAYOUT OF SURFACE MOUNTED LIGHTING BEING REMOVED IN NARROW CONCOURSE WIDTH, "VOM" AND STAIR. THESE LAYOUTS ARE TYPICAL FOR THE ENTIRE CONCOURSE. LAYOUT SHOWS TYPICAL FIXTURES ON BOTH NORMAL AND EMERGENCY CIRCUITS. SOME LAYOUTS DIFFER SLIGHTLY.
- APPROXIMATE NEW LAY IN LIGHTING (TYPE A) LAYOUT IN NARROW CONCOURSE WIDTH AND STAIR. "VOM" FIXTURE IS SURFACE MOUNTED (TYPE B). THESE LAYOUTS ARE TYPICAL FOR THE ENTIRE CONCOURSE. LAYOUT SHOWS TYPICAL FIXTURES ON BOTH NORMAL AND EMERGENCY CIRCUITS. SOME LAYOUTS MAY DIFFER SLIGHTLY.



VETERANS MEMORIAL COLISEUM
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1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN

CONCOURSE LIGHTING UPGRADE

FLOOR PLAN - SECOND LEVEL CONCOURSE

Revisions:		
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