

City of Fitchburg
Planning/Zoning Department

Re: Edgewood College Athletics and Wellness Campus – ADR Feedback Letter Response
6027 Lacy Rd, Fitchburg
ADR-25-8

Rettler Corporation has reviewed comments provided on May 28, 2025 and has addressed as follows:

Planning & Zoning Comments

1. Be prepared to provide an overview of your proposal to the Plan Commission and to be available for questions. In-person or virtual attendance for applicants is permitted. Be sure to contact Deanna Schmidt or Zack Jones in the Planning office for virtual attendance registration in advance of the meeting.

Response: John Kneer and Chase Rettler will be present at the Plan Commission to present the project and answer questions.

2. Per the conditional use question as well, how many additional employees/daily visitors may be generated by this addition at peak shift?

Response:

a. We anticipate the largest total number of spectators on an average day, when three venues are being used at the same, to be less than 1,000 (see appendix A). In the occasional time we hosted a special event (i.e. high school championships, etc.) we anticipate an attendance number greater than 1,000. However, we would also need to schedule these types of events well in advance and need to work with the City regarding other logistical needs.

b. Since our camps would be day camps, attendees would be dropped off and picked up throughout the day. This would spread the traffic impact over the full day.

3. Approximately how many lighted evening events will be held per year? How late in the evening will the sports field be lighted?

Response:

a. Due to day classes, most weekday contests and practices are held in the evening/night. Weekend events are typically held during the day. It should be anticipated that most weeknights from the end of February to the middle of May and from the end of August to the beginning of November will have at least one venue's lights being used. In the summer (June and July), this number would less.

b. Evening contests and practices typically end by 10pm. We have had less than 6 exceptions to this over the last 10 years.

4. A 6-foot sidewalk may be more appropriate on Lacy.

Response: Sidewalk on Lacy Road matches City of Fitchburg Standard Detail Drawing width of 5-foot (Sheet 4.02). This is consistent with comments provided by Public Works.

5. More careful consideration of onsite pedestrian connections is needed. Sidewalks should be provided where people are most likely to walk. Is a pedestrian connection needed at the western driveway from Lacy?

Response: The majority of Edgewood pedestrian traffic will be coming from east of the site. There is minimal pedestrian traffic expected from west of the site. It is anticipated pedestrians will be parking adjacent to the specific venue they are using on the site.

6. Sidewalks abutting parking stalls should accommodate a 2-foot parked vehicle overhang. A good rule of thumb is 8-foot wide

Response: All sidewalk abutting parking stalls has a minimum 8-ft. width as shown on Sheets 301-302. The only sidewalk that is less than 8-feet wide does not abut parking stalls. (along the drive south of the baseball field)

7. Not all accessible parking stalls have direct access to a sidewalk.

Response: The only parking stalls without direct access to a sidewalk are located south of the baseball field. These stalls were moved south to lower the risk of foul ball conflicts. The asphalt parking/drive area for these stalls will meet ADA accessible route and grade requirements leading to the sidewalk ramp.

8. The western side of the site is designated for rip rap. Why? Is this a suitable material? The neighboring property is designated for residential uses. Vegetative screening is appropriate particularly to address the significant site lighting.

Response: Riprap is needed along the west side of the site to handle the significant tributary stormwater run-on from west of the project site, and avoid erosion within the proposed swales. LED cutoff lighting fixtures are being provided. See the site lighting submittal information.

9. Additional trees could be incorporated on the site. The city prefers 30% tree canopy. Can plantings be located at the west and south property lines? Along the multi-use path connecting to Badger State Trail?

Response: Edgewood College is redeveloping a 14-acre wetland as part of the project. The wetland restoration is a significant investment to improving the natural characteristics of the site and region. Heavy tree plantings will compete with the restoration of these species. We will consider additional tree plantings along the south and east property lines. Due to stormwater challenges mentioned above plantings on the west side would be challenging.

10. Staff would like to see at least a 10 feet wide asphalt multi-use path connecting to the Badger State Trail.

Response: The current 8'-wide gravel path around the wetland is not intended to be a main point of entry to the site from the Badger State Trail. It will be primarily used for people and Edgewood College students walking the wetland. A 10-ft wide asphalt apron transition to the gravel path can be considered, it should be noted the actual connection is not on Edgewood College's property and would need to be completed by others.

11. Staff would also like to see a connection that extends that path along the southern property line that ultimately connects somewhere near the southwestern property corner. The property immediately west of this is part of the pending South Stoner Prairie Neighborhood Plan and direct linkage to the State Trail is a priority. This will also provide greater intra-connectivity within the site.

Response: A path along the south property line would conflict with the proposed throwing events south of the track. A path would also conflict with the stormwater conveyance channel that runs along the south property line, particularly at the south-west corner of the site where grades are steep. The northern connection is the link provided to the property to the west.

12. Please describe the public improvements that will be done particularly along Lacy Road, including the sidewalk section. These should be approved by Fire and Public Works

Response: A 5' sidewalk as shown on the City of Fitchburg Standard Detail Drawing (Sheet 4.02) will be constructed 1' inside the right-of-way. The 8" watermain for the project will connect to the

8" stub at the existing hydrant. A new 8"x6" tee with a valve and hydrant will be constructed in the location of the existing hydrant.

These improvements will be forwarded to Fire and Public Works for final approval.

13. Plan shall show the required 75' setback from the edge of the delineated wetland. If there is a trail in a buffer, at the minimum 75-foot width, the trail should be located as far from the wetland as practicable.

Response: 75' wetland setback line added to plans.

Per CARPC, the trail is allowed to be within the 75' setback. The trail was placed to maintain adequate separation from site features, and maintain a consistent grade along the entire trail as well as providing a buffer to the wetland.

14. Will portions of the site be fenced? If so, located on the plans and provide details.

Response: The baseball and softball fields will have 8' perimeter fencing. The dumpster enclosure (Keynote 30) on the west side of the west parking lot will have 8' perimeter fencing. The track will have 4' perimeter fencing. All fencing will be black vinyl coated. This is shown as a -x- or -xx- line type on Sheets C300-302.

15. Lighting shall comply with Chapter 28 Lighting Ordinance, per CUP comments.

a. The sports fields exceed the ordinance limits and require a Special Permit from the Zoning Administrator.

Response: Proposed site lighting complies with Chapter 28. A special permit will be submitted for the athletic field lighting component of the project. We are requesting approval of a special permit with this review.

b. Due to the prominence of the field lighting, staff suggests a neighborhood meeting with Crescent Crossing to gather feedback.

Response: We plan to have another neighborhood meeting with the new District 4 Alder coming on board. The planning for this meeting is in progress.

c. Staff is most concerned regarding the light spill from the softball field to the future residential neighborhood to the west. What steps can be taken to limit impacts?

Response: LED cutoff lighting is being provided for this project. Musco lighting technology has taken great steps in design of these light fixtures to prevent light spill and visibility from adjacent properties.

d. How will the field lighting look from the neighboring properties?

Response: Rettler has provided examples of the lighting technology with the rezoning submittal. We can provide this information if needed.

e. All bollard, emergency lighting and building entrance lighting shall be included in the lighting plans. Will lighting be provided for the bleachers?

Response: The design team will provide the requested lighting and review with City staff during final design. It is anticipated that the bleacher area will be lit from the athletic field lighting poles and wall pack lighting from the grandstand structure.

f. Provide cut sheets for all light fixtures.

Response: Site lighting and athletic field lighting cut sheets have been provided. Any additional lighting cut sheets will be provided.

16. Please briefly summarize the building materials to be used for the structures. It appears to be largely mixtures of gray and black metal panel siding as well as several buildings of gray concrete block.

Response: Building materials are described in the architectural section of the submittal.

17. Is there an area for the dumpster(s) on site? I may be missing it. Any dumpsters shall be enclosed and the enclosure shall be of similar materials and design as the building. Provide specifications and elevations.

Response: The dumpster enclosure is shown as keynote 30, located on the west side of the west parking lot. Elevations and specifications will be provided with the development of the bid plans.

18. In general, mechanicals and service equipment shall be screened from view.

Response: Mechanicals and service equipment will be screened from view after final locations are determined.

19. City Building and Fire approvals will need to be obtained prior to building permits being issued. Contact mark.mlekush@fitchburgwi.gov

Response: Acknowledged, Building and Fire approvals will be obtained.

20. Signage must comply with City Chapter 26 sign code and be similar to what is shown in the plans.

Response: Signage will be submitted separately and comply with Chapter 26 sign code.

21. Subdivision Improvement Agreement may be required. Coordinate with Tracy Foss.

Response: Edgewood College if required will discuss a Subdivision Improvement Agreement.

22. Per Sec. 24-14, a building permit may not be issued prior to substantial completion of public infrastructure.

Response: Acknowledged

PW – General Comments

1. Exterior lighting shall meet the requirements outline in Chapter 28 of the Fitchburg Code of Ordinances. Requirements can be reviewed at:
https://library.municode.com/wi/fitchburg/ordinances/code_of_ordinances?nodeId=1345893

Response: Acknowledged

2. Applicant may apply for a special permit if general lighting requirements and specific standards cannot be met

Response: Acknowledged

1. Turn lanes that service this property and water and sewer installed along Lacy Road adjacent to this property are being assessed against the property. This assessment shall be paid in conformance with the terms of the final assessment report once approved.

Response: Acknowledged

2. The public sidewalk along Lacy Road within the r/w shall be installed by the property owner prior to acceptance of any buildings on this lot. This sidewalk shall be installed per the detail in the City's specifications and may not be lowered at driveway openings.

Response: Sidewalk on Lacy Road matches City of Fitchburg specifications and Standard Detail Drawing (Sheet 4.02)

PW – Stormwater/Erosion Control Comments

1. ECSWM Permit application received 3/17/2025.

Response: Acknowledged

2. Project must comply with stormwater management requirements outlined in the Water Quality Management Letter for Sewer Service Area Amendment Request #2108

Response: Acknowledged, project is designed to meet the stormwater management requirements outlined in the Water Quality Management Letter for Sewer Service Area Amendment Request #2108

PW – Transportation Comments

1. Add a note on the plans that all work in City of Fitchburg right-of-way will require a right-of-way permit available here: <https://fitchburgwi.portal.opengov.com/categories/1085/record-types/6486>

Response: Note has been added to Sheets C301-C304, C401-C404, and C501-C504

2. Driveway aprons and sidewalk shall follow Fitchburg Standard Specifications Sections 4 and 5 available here: <https://www.fitchburgwi.gov/DocumentCenter/View/26554/2024-Standard-Specifications?bidId=>

Response: Driveway aprons and sidewalk will follow Fitchburg Standard Specifications Sections 4 and 5

PW – Utilities Comments

1. The City may be interested in a public sanitary main along the west side of the Edgewood property. This public main would service Edgewood as well as Yahara. It could replace the north/south portion of the private sanitary sewer service on Edgewood's property. The cost to install a municipal sanitary sewer could be a shared cost between the Edgewood and Yahara if publicly bid and assessed. The City welcomes a discussion if Edgewood has any interest in a municipal sanitary main.

Response: Edgewood College is open to these possibilities and looks forward to more conversations with the City and Yahara regarding a shared main.

2. Water impact fees shall be paid prior to the release of a building permit. This fee will be attached to the building permit fee.

Response: Acknowledged

3. The City is strongly encouraging property owners to find ways to reduce chloride levels in their wastewater. Costly wastewater treatment plant upgrades will be required if the peak chloride levels are not reduced. MMSD has a grant program available for water softening. For more information in regards to this grant program please visit <https://www.madsewer.org/Programs-Initiatives/Chloride-Reduction>.

Response: Edgewood College will review the grant program and information

4. Installation of water services off hydrant leads in not recommended and is prohibited for public mains.

Response: Water services have been removed from hydrant leads and provided from the main.

5. Label sanitary and water main sizes on the plans. Also label all sanitary sewer slopes and water main bends. Note that the City discourages the use of 90 degree bends in private water services.

Response: All sanitary sewer slopes and water main bends are shown on Sheets C500.1-504. There are no 90 degree bends for the private water services.

6. Minimum 8' separation is required between water services (that service private hydrants) and sanitary/storm sewers.

Response: 8' separation is maintained between water services and all sanitary/storm sewers. Note #10 stating separation requirements has been added to Utility General Notes

7. Manholes are required on 8" private interceptor sewer lines (lines that service more than one building) when there is a direction change in the main. Please label sanitary manholes and cleanouts on the utility plan accordingly.

Response: A manhole is located at every direction change on the 8" private interceptor sewer. All sanitary manholes are labeled on Sheets C500.1-C504

8. Review locations of all private fire hydrants with the Fire Department and adjust accordingly. Please add the following notes to the utility plan sheet:
 - a. Water main between the municipal system up to and including fire hydrants shall be installed per the latest edition of the City of Fitchburg Standard Specifications for Public Works Construction available at <https://www.fitchburgwi.gov/DocumentCenter/View/26554/2024-Standard-Specifications?bidId=>
 - b. Per City Ordinance, Contractors are not allowed to operate City owned valves. The Contractor shall call the Fitchburg Utility at (608)270-4270 for operation of these valves.
 - c. Safe sample results need to be provided to the Fitchburg Utility prior to pressure testing the private water mains.
 - d. It is the contractor's responsibility to verify that the existing valves will hold the pressure test prior to connection. The City is not responsible for any costs incurred due to the contractor not verifying that the existing valve will hold the pressure test prior to connection. If a new valve is required, the applicant will be required to install one at their expense at the point of connection.
 - e. Open pickholes in sanitary manholes are prohibited.

Response: Locations of all fire hydrants will be reviewed with the fire department. Notes a-e have been added to Sheets C501-C504

If you have any questions, please feel free to reach me at 715-341-2633, or email at rpetzke@rettler.com.

Thank you,



Ryan Petzke, P.E.



City of Fitchburg
Planning/Zoning Department
5520 Lacy Road
Fitchburg WI 53711
Phone (608) 270-4200

ADR-25-8

Architectural Design Review Feedback Letter

Issued to: Chase Rettler

Issued Date: March 28, 2025

Location: 6027 LACY RD , Fitchburg

This feedback letter contains the comments from our internal departments in regards to your recently submitted Architectural Design & Review Application.

Please read through the feedback and upload any adjusted materials to the form in our OpenGov portal.

Also submit an explanation of the changes you've made in a separate attachment.

We require response to feedback to be submitted within 1 week of issuing of this letter.

Only feedback with a status of Open needs a response.

Planning & Zoning Comments

<u>Submitted by</u>	<u>Date</u>	<u>Status</u>	<u>Comment</u>
Planning	March 28, 2025	Open	<ol style="list-style-type: none">1. Be prepared to provide an overview of your proposal to the Plan Commission and to be available for questions. In-person or virtual attendance for applicants is permitted. Be sure to contact Deanna Schmidt or Zack Jones in the Planning office for virtual attendance registration in advance of the meeting.2. Per the conditional use question as well, how many additional employees/daily visitors may be generated by this addition at peak shift?3. Approximately how many lighted evening events will be held per year? How late in the evening will the sports field be lighted?4. A 6-foot sidewalk may be more appropriate on Lacy.5. More careful consideration of onsite pedestrian connections is needed. Sidewalks should be provided where people are most likely to walk. Is a pedestrian connection needed at the western driveway from Lacy?6. Sidewalks abutting parking stalls should accommodate a 2-foot parked vehicle overhang. A good rule of thumb is 8-foot wide.7. Not all accessible parking stalls have direct access to a sidewalk.8. The western side of the site is designated for rip rap. Why? Is this a suitable material? The neighboring property is designated for residential uses. Vegetative screening is appropriate particularly to address the significant site lighting.9. Additional trees could be incorporated on the site. The city prefers 30% tree canopy. Can plantings be located at the west and south property lines? Along the multi-use path connecting to Bader State Trail?10. Staff would like to see at least a 10 feet wide asphalt multi-use path connecting to the Badger State Trail.11. Staff would also like to see a connection that extends that path along the southern property line that ultimately

connects somewhere near the southwestern property corner. The property immediately west of this is part of the pending South Stoner Prairie Neighborhood Plan and direct linkage to the State Trail is a priority. This will also provide greater intra-connectivity within the site.

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22. Per [Sec. 24-14](#), a building permit may not be issued prior to substantial completion of public infrastructure.

Administration Comments

Assessing Comments

Econ Dev Comments

Finance Comments

March 19, 2025 **Open** ?No ?outstanding

Fire Comments

Forestry Comments

Parks Comments

Long-Range Planning Comments

PW - General Comments

Ben Schulte March 26, 2025

Open

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2. Applicant may apply for a special permit if general lighting requirements and specific standards cannot be met

Tracy Foss March 28, 2025

Open

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PW - Stormwater/Erosion Control Comments

Ben Schulte March 26, 2025

Open

1. ECSWM Permit application received 3/17/2025.
2. Project must comply with stormwater management requirements outlined in the Water Quality Management Letter for Sewer Service Area Amendment Request #2108

PW - Transportation Comments

Ross Kahler March 27, 2025

Closed ?

- Add a note on the plans that all work in City of Fitchburg right-of-way will require a right-of-way permit available here: <https://fitchburgwi.portal.opengov.com/categories/1085/record-types/6486>
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PW - Utilities Comments

Tracy foss March 28, 2025

Open

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4. Installation of water services off hydrant leads is not recommended and is prohibited for public mains.
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7. Manholes are required on 8" private interceptor sewer lines (lines that service more than one building) when there is a direction change in the main. Please label sanitary manholes and cleanouts on the utility plan accordingly.
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9. Please add the following notes to the utility plan sheet:
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EDGEWOOD COLLEGE

ATHLETICS AND WELLNESS CAMPUS

OWNER

EDGEWOOD COLLEGE
1000 EDGEWOOD COLLEGE DR.
MADISON, WISCONSIN 53711
PHONE: 800-444-4861

PROJECT MANAGER LANDSCAPE ARCHITECT / ENGINEER (LA/E)

RETTLER CORPORATION
3317 BUSINESS PARK DRIVE
STEVENS POINT, WISCONSIN 54482
PHONE: 715-341-2633

CONSULTANTS

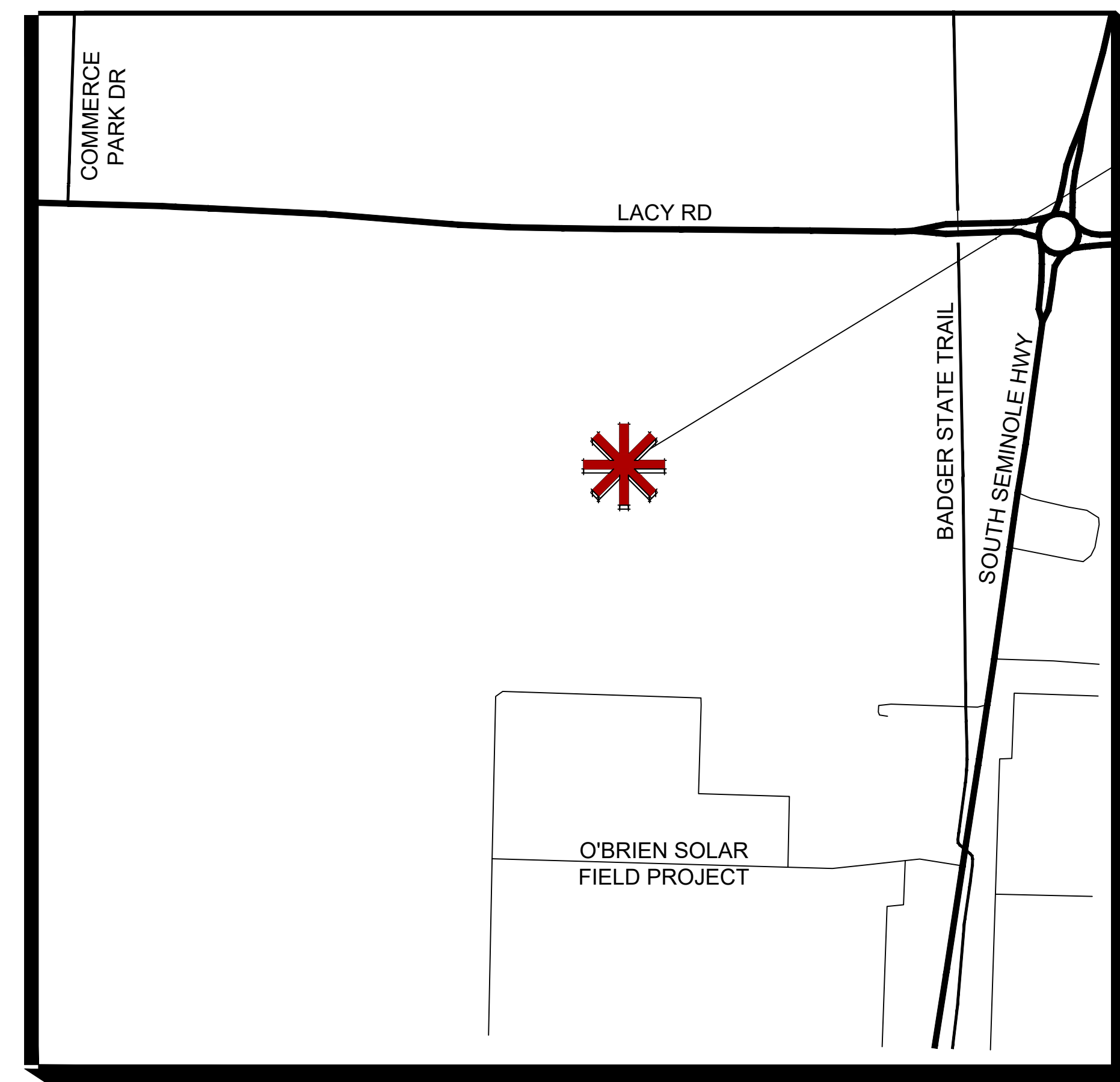
BUILDING ARCHITECT:
KAHLER SLATER, INC.
111 WEST WISCONSIN AVENUE
MILWAUKEE, WI 53203
PHONE: 414.272.2000

ELECTRICAL ENGINEER:
MSA PROFESSIONAL SERVICES, INC.
116 FREMONT STREET
KIEL, WI 53042
PHONE: 920.894.7800

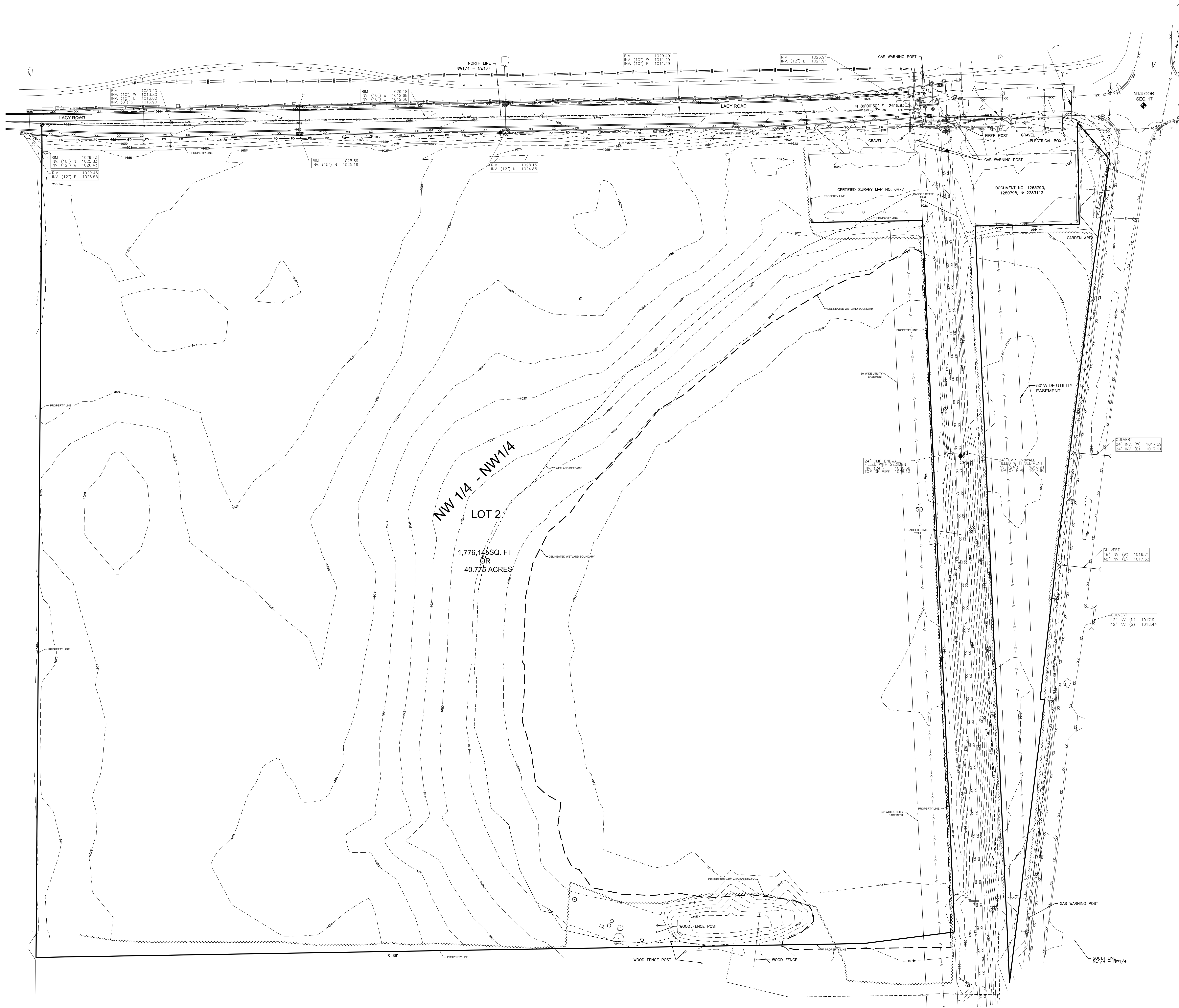
PROJECT LOCATIONS

6027 LACY RD.
FITCHBURG, WISCONSIN 53593

CIVIL/LANDSCAPE PLAN SHEET INDEX



RETTLER PROJECT #22.010
LOCATION MAP - NOT TO SCALE



LEGEND

- | | |
|----------------------------|----------------------|
| ○ LIGHT POLE | ○ BURIED GAS |
| ○ POWER POLE | ○ BURIED TELEPHONE |
| ○ GUY | ○ WATERMAIN |
| ○ TELEPHONE PEDESTAL | ○ FIBER OPTICS |
| ○ ELECTRICAL BOX | ○ EDGE OF BITUMINOUS |
| ○ TELEPHONE MANHOLE | ○ FLAG POLE |
| ○ SANITARY MANHOLE | ○ TREE |
| ○ WATER MANHOLE | ○ PINE TREE |
| ○ STORM MANHOLE | ○ BUSH/SHRUB |
| ○ UTILITY MANHOLE | ○ ELECTRIC METER |
| ○ CATCH BASIN | ○ GAS METER |
| ○ CATCH BASIN | ○ GAS VALVE |
| ○ CATCH BASIN | ○ CONTOUR LINE |
| ○ WATER VALVE | ○ SPOT ELEVATION |
| ○ HYDRANT | ○ SIGN |
| ● 3/4" IRON BAR FOUND | ● CONTROL POINT |
| ● 1" IRON PIPE FOUND | □ ELECTRIC OUTLETS |
| ● 1 1/4" IRON BAR FOUND | ○ WOODCHIPS |
| ● COMPUTED PROPERTY CORNER | ○ PLAY EQUIPMENT |
| ● ALUMINUM MONUMENT FOUND | ○ BENCH |
| ○ FENCE | ○ ROCKS |
| ○ SANITARY SEWER | ○ VENT PIPE |
| ○ STORM SEWER | ○ BASKETBALL HOOP |
| ○ POWER OVERHEAD | ○ SWING |
| ○ BURIED ELECTRIC | ○ IRRIGATION BOX |

UNDERGROUND UTILITIES

THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE SURVEYOR AND ARCHITECT WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

SOME UTILITIES HAVE BEEN LOCATED BY MAPS PROVIDED BY OTHERS-LOCATIONS ARE APPROXIMATE.

PRIVATE UTILITIES HAVE BEEN LOCATED BY PRIVATE LINES, INC.

FIELD VERIFY SANITARY AND STORM SEWER PIPE SIZES AND THEIR LOCATIONS.

UNDERGROUND UTILITIES SHOWN ON THIS MAP ARE BASED IN PART ON MARKINGS BY DIGGERS HOTLINE. (TICKET #20204504200 AND #20204504229)

DESCRIPTION

BEING LOT 2, O'BRIEN FLATS PLAT, DOCUMENT NO. 5857494, LOCATED IN THE NW1/4 OF THE NW1/4 AND THE NE1/4 OF THE NW1/4 SECTION 17, TOWNSHIP 6, NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

BENCH MARK

ELEVATIONS BASED ON NAVD 88 USING WISGEOID 12A.

BENCHMARK #3
BURY BOLT OF HYDRANT LOCATED ON NORTH SIDE OF LACY ROAD APPROXIMATELY 70' WEST OF BADGER STATE TRAIL

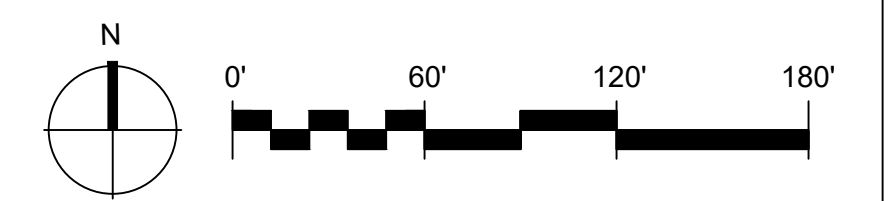
ELEVATION: 1026.49

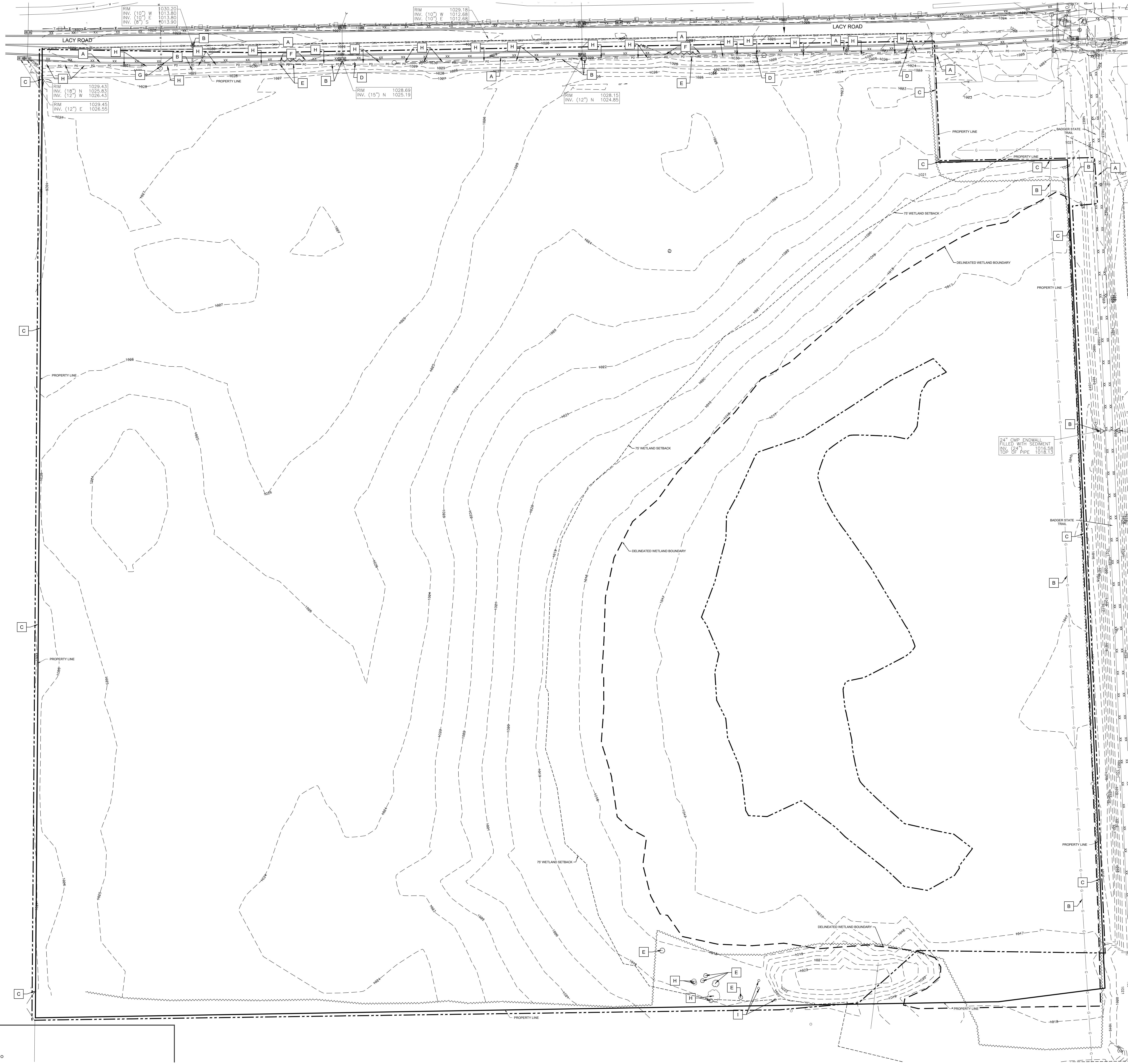
SURVEY CONTROL POINTS

COORDINATE SYSTEM BASED ON: NAD83 (2011) WITH DANE COUNTY COORDINATES USING WISCORS

CP #3 - CP CUT X
N: 455949.44
E: 800791.08
Z: 1024.70

CP #4 - CP 60D NAIL
N: 455977.87
E: 800087.11
Z: 1028.83





SITE DEMOLITION PLAN - GENERAL NOTES

1. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO START OF DEMOLITION/CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING PRIVATE UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
3. COORDINATE SITE CONSTRUCTION ACCESS WITH OWNER PRIOR TO START OF CONSTRUCTION.
4. PLACE A 6' SECURITY FENCE AROUND ALL CONSTRUCTION STAGING AREAS FOR SITE SECURITY PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION IN ACCORDANCE WITH THE PROJECT MANUAL.
5. STRIP ONLY THE TOPSOIL WITHIN THE PROJECT LIMITS THAT WILL BE DISTURBED DURING CONSTRUCTION.
6. REMOVE ONLY THE EXISTING TREES AND VEGETATION WITHIN THE PROJECT LIMITS THAT INHIBIT CONSTRUCTION.
7. REMOVE ANY ABANDONED UTILITIES WITHIN THE PROJECT LIMITS THAT INHIBIT CONSTRUCTION.
8. ALL CONTRACTORS SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE. ANY DISCREPANCIES FOUND ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT FOR REVIEW IMMEDIATELY UPON DISCOVERY.
9. ALL ITEMS TO BE REMOVED AND DISPOSED OF SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
10. VERIFY ALL REMOVAL AND SALVAGE ITEMS WITH THE OWNER.
11. ALL ITEMS TO BE SALVAGED SHALL BE DELIVERED TO THE OWNER. COORDINATE DELIVERY WITH OWNER.
12. ALL AREAS AND SITE FEATURES DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO THE ORIGINAL CONDITION.
13. ALL SITE ENTITIES OUTSIDE THE PROJECT LIMIT LINE SHALL NOT BE DISTURBED.

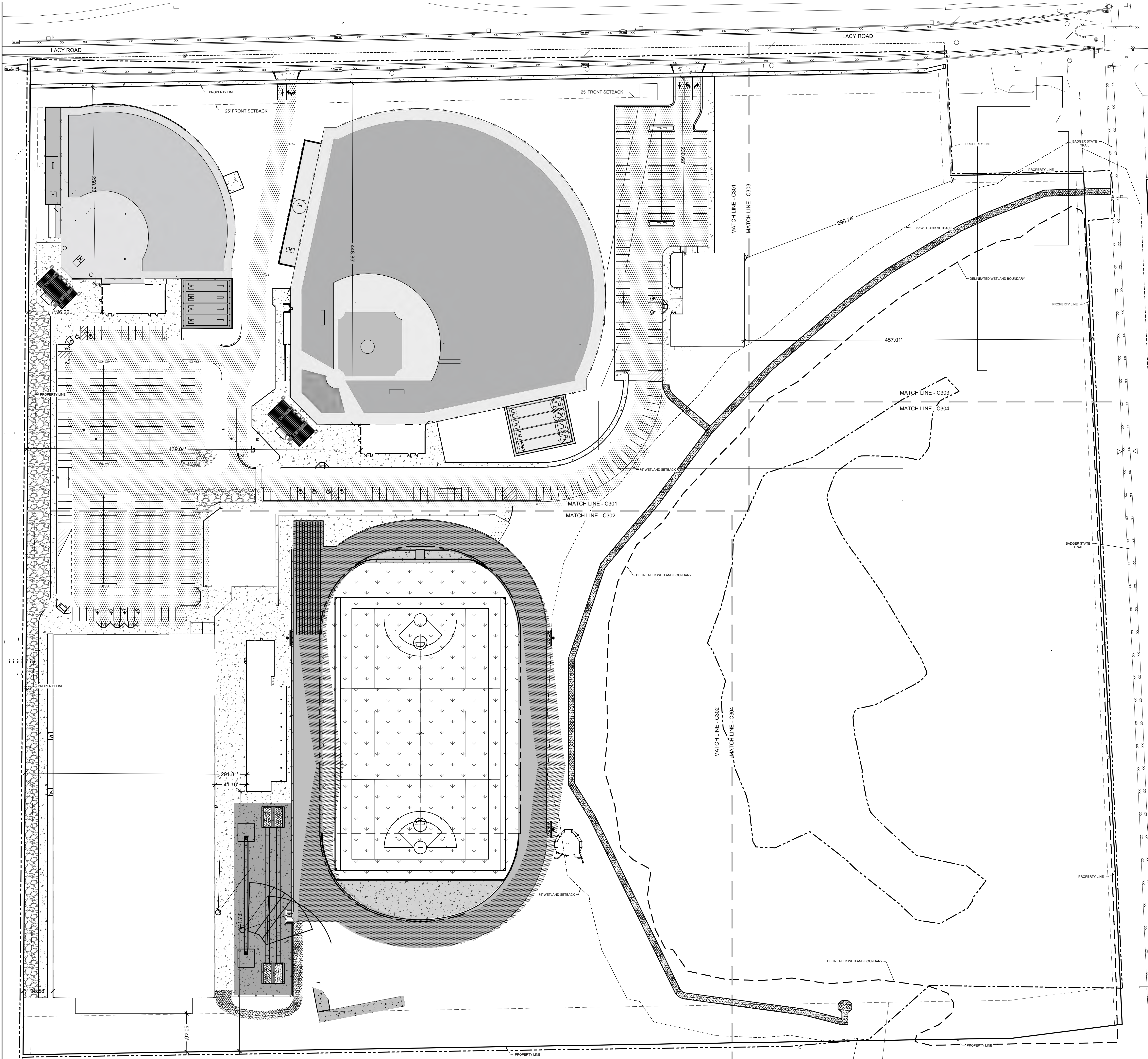
SITE DEMOLITION PLAN - LEGEND

- SAWCUT EXISTING PAVEMENT - SAWCUT CONCRETE PAVEMENT AT NEAREST JOINT
- APPROXIMATE PROJECT LIMITS

SITE DEMOLITION PLAN - KEYNOTES

- A** MAINTAIN AND PROTECT EXISTING HARD SURFACE / CURB AND GUTTER
- B** MAINTAIN AND PROTECT EXISTING UTILITY
- C** MAINTAIN AND PROTECT EXISTING FENCE
- D** MAINTAIN AND PROTECT EXISTING SIGN
- E** CLEAR AND GRUB EXISTING TREE
- F** REMOVE EXISTING CURB & GUTTER
- G** REMOVE EXISTING HYDRANT & REDUCER
- H** MAINTAIN AND PROTECT EXISTING TREE
- I** REMOVE EXISTING FENCE POST

24" CMP ENDWALL FILLED WITH SEDIMENT INV. 1024.58 TOP OF PIPE 1018.15

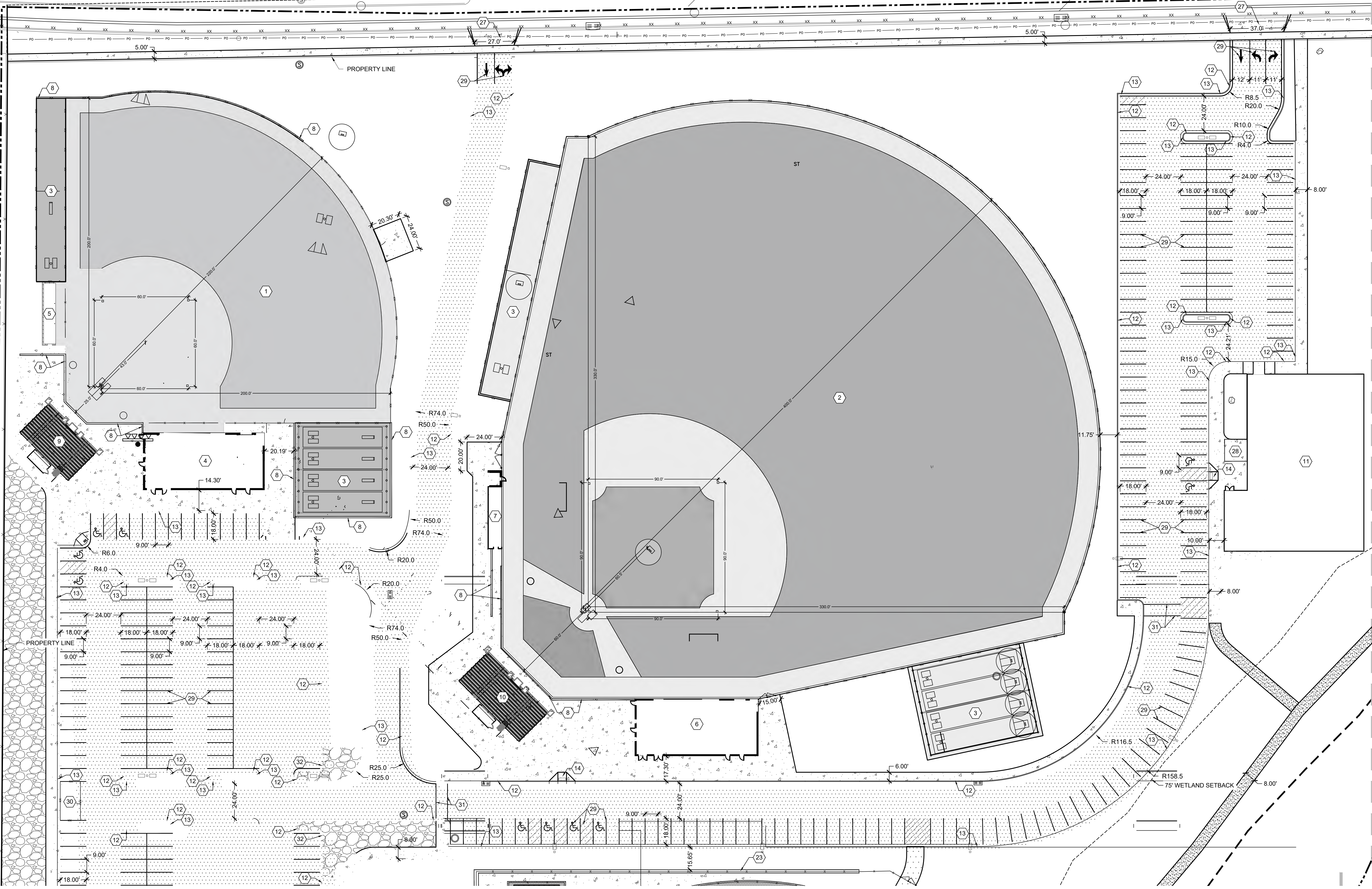


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LACY ROAD

PROPERTY LINE



GENERAL NOTES

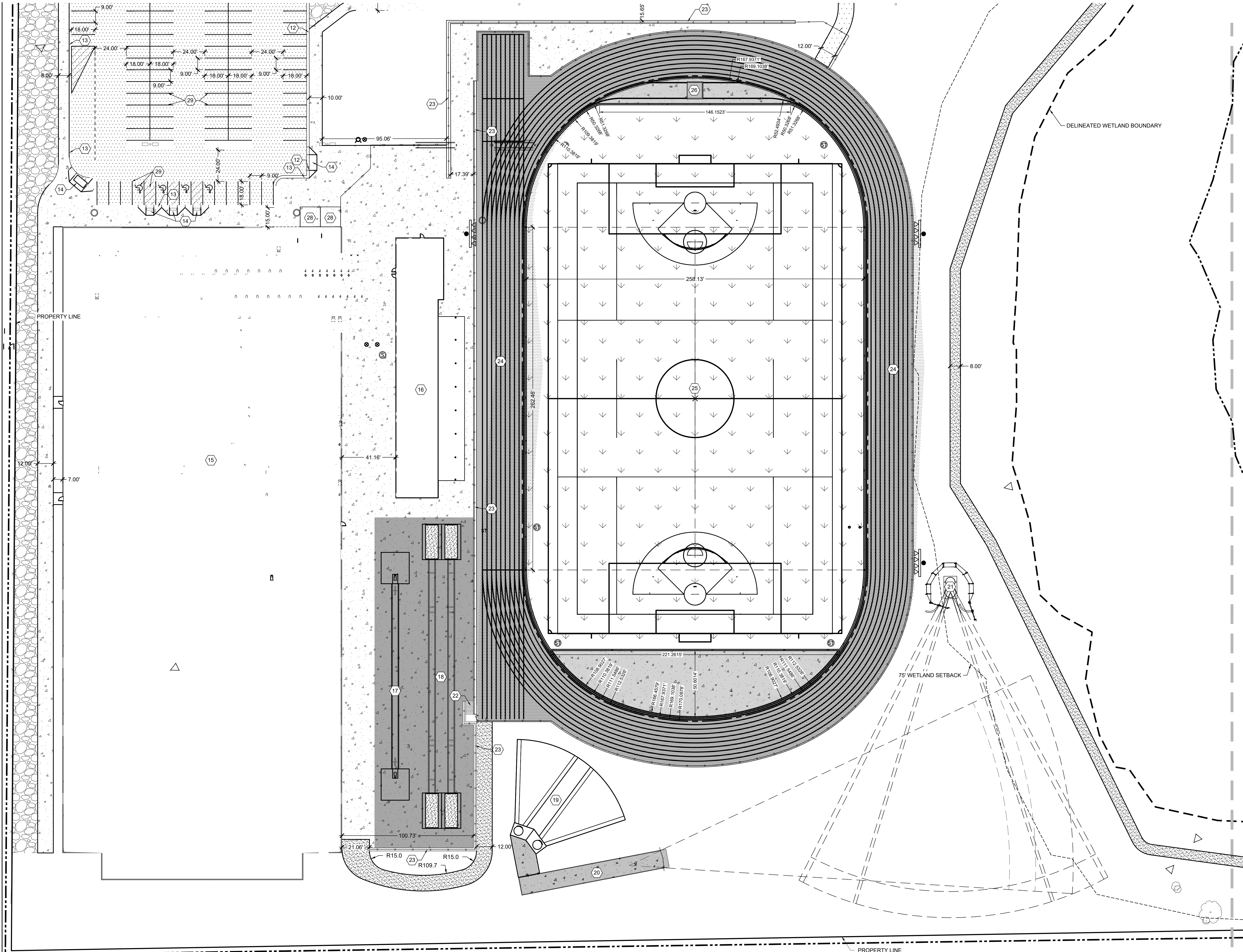
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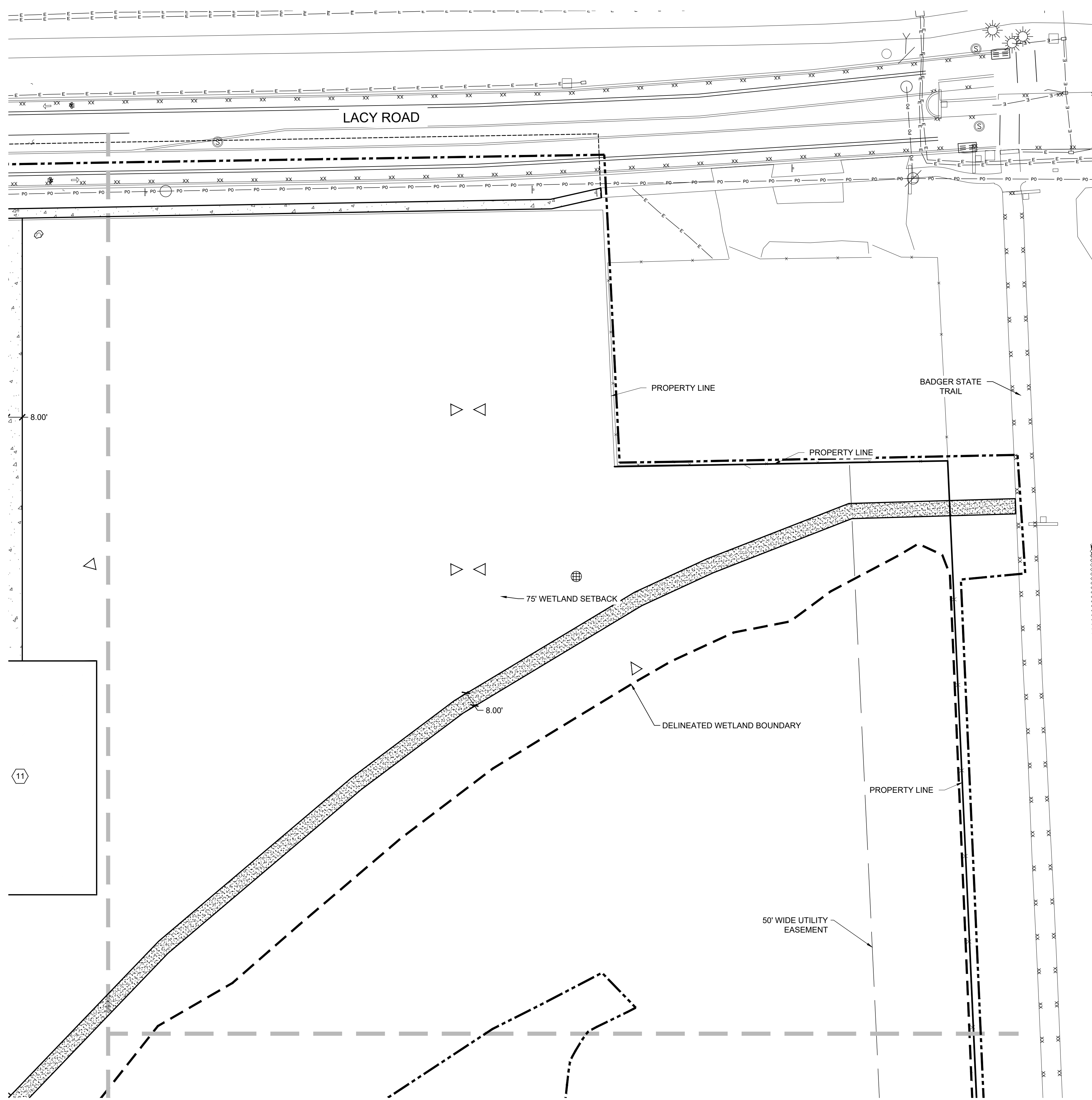
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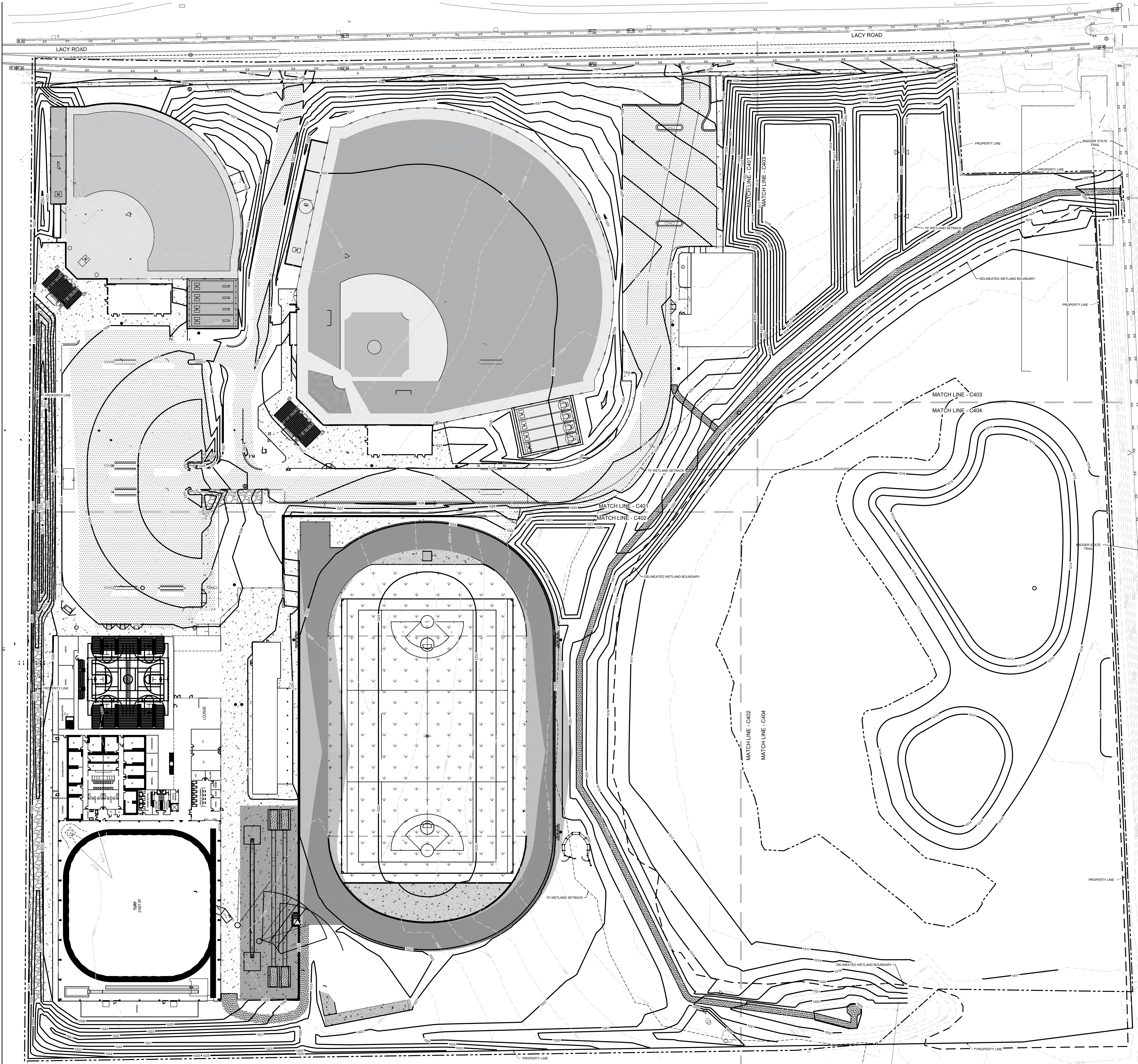
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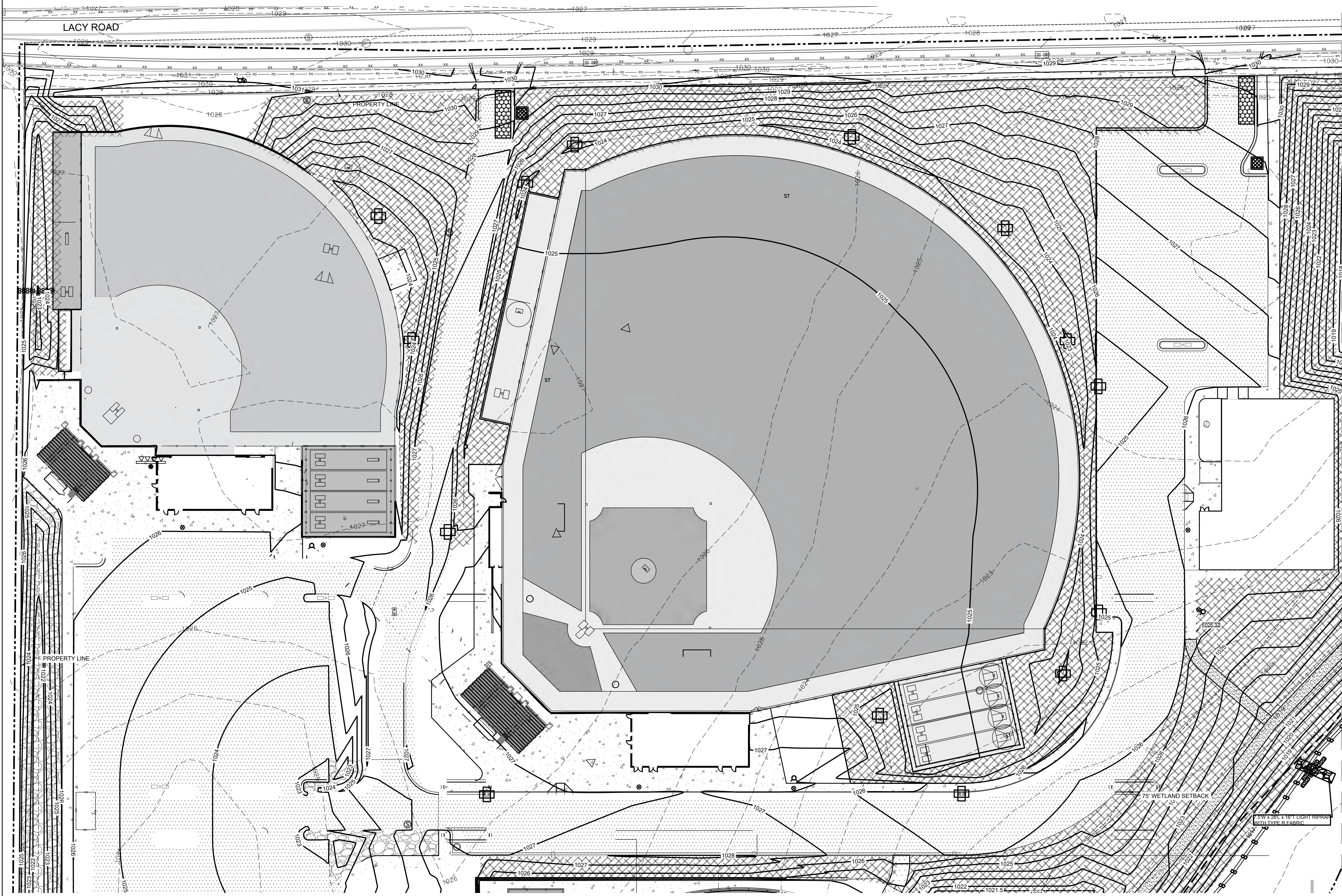
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CONSTRUCTION EROSION CONTROL SEQUENCE

CONSTRUCTION ACTIVITY	DATES	SCHEDULED CONTROL MEASURES
1. CONSTRUCTION ACCESS - CONSTRUCTION ENTRANCE, CONSTRUCTION ROUTES, AND EQUIPMENT PARKING AREAS.	8/18/25-8/22/25 4/13/26-4/14/26	FIRST LAND DISTURBING ACTIVITY - TRACKING PAD WILL BE CONSTRUCTED AT THE ENTRANCE TO THE SITE. BARE AREAS USED FOR CONSTRUCTION STAGING/PARKING WILL BE STABILIZED WITH GRAVEL, AS CONSTRUCTION TAKES PLACE.
2. SEDIMENT BARRIERS - SILT FENCE, SILT FENCE OUTLETS, INLET AND OUTLET PROTECTION.	8/19/25-8/29/25 4/14/26-4/24/26	INSTALL SILT FENCE AND SILT FENCE OUTLETS AT LOCATIONS INDICATED ON THE PLANS. INSTALL INLET PROTECTION UNITS IN EXISTING INLETS IMMEDIATELY AFTER PROJECT SITE IS ACCESSED.
3. RUNOFF CONTROL - EROSION MAT AND CONCRETE TRUCK WASH AREA	8/19/25-8/29/25 4/14/26-4/24/26	INSTALL EROSION MAT, POLYMER BLOCKS AND ADDITIONAL PRACTICES OUTLINED ABOVE AS NECESSARY DURING GRADING. EROSION MAT TO BE INSTALLED WITHIN 12 DAYS OF STRIPPING TOPSOIL. ESTABLISH AREAS FOR PREVENTING THE TRANSPORT OF CHEMICALS, CEMENT, AND OIL BUILDING COMPOUNDS INCLUDING WASH WATER FROM VEHICLES SUCH AS CONCRETE TRUCKS.
4. RUNOFF CONVEYANCE SYSTEM - CONSTRUCT STORM SEWER SYSTEM.	9/2/25-10/17/25 4/27/26-9/18/26	INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF CONTROL MEASURES. STABILIZE STORM DRAINS, INSTALL INLET AND OUTLET PROTECTION AS EARLY AS POSSIBLE.
5. LAND CLEARING AND GRADING - SITE PREPARATION, CUTTING, FILLING, GRADING AND TOPSOIL STOCKPILES.	8/27/25-10/24/25 4/27/26-10/9/26	BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL EROSION CONTROL PRACTICES HAVE BEEN INSTALLED. CLEAR AND GRADE ONLY AS NEEDED. INSTALL ADDITIONAL MEASURES AS NECESSARY SUCH AS SILT FENCE OR SPRAYED POLYMER AROUND TOPSOIL STOCKPILES. AREAS WITHIN 30 FEET OF STATE WATER BODIES WILL BE STABILIZED WITH EROSION MATS. MARK TREES AND BUFFER AREAS FOR PRESERVATION.
6. SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, AND MULCHING.	10/27/25-11/7/25 10/12/26-10/30/26	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.
7. LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIPRAP	11/10/25-11/21/25 11/02/26-11/20/26	LAST CONSTRUCTION PHASE - STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS. REMOVE AND STABILIZE ALL TEMPORARY PRACTICES.
8. WINTER STABILIZATION - IN THE EVENT THE PROJECT IS NOT COMPLETED BEFORE WINTER		APPLY SPRAYED POLYMER AROUND STOCKPILES AND OPEN AREAS NOT YET STABILIZED. MONITOR PER SUPPLIER RECOMMENDATIONS. SEEDING - PERMANENT SEEDING IF DONE BEFORE SEPTEMBER 15; TEMPORARY SEEDING THEN RESEED IF DONE BETWEEN SEPTEMBER 15 AND OCTOBER 15; DORMANT SEED AFTER OCTOBER 15.

NOTE: COMPLETION OF BIOFILTER CONSTRUCTION SHALL NOT OCCUR UNTIL DISTURBANCE WITHIN THE TRIBUTARY DRAINAGE AREA FOR THE BIOFILTER HAS BEEN STABILIZED.



SITE GRADING AND EROSION CONTROL - GENERAL NOTES

1. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE PROJECT MANAGER.
2. THE SITE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL ELEMENTS IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES AND THE LOCAL GOVERNING AUTHORITIES REGULATIONS.
3. PLACE INLET PROTECTION UNDER THE PROPOSED AND EXISTING CATCH BASINS, MANHOLES, AND INLETS GRATES FOR THE DURATION OF CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. INSTALL SEDIMENT TRAPS IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1063.
6. PLACE TEMPORARY SEED IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING. TEMPORARY SEED SHALL BE PLACED IN ACCORDANCE WITH SECTION 630 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
7. INSPECT ALL EROSION CONTROL ELEMENTS WEEKLY OR AFTER STORM EVENTS OF 1/2" OF RAIN OR GREATER AND DOCUMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF NATURAL RESOURCES.
8. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREA, INCLUDING SOIL STOCKPILES LEFT INACTIVE FOR MORE THAN 10 DAYS, SHALL AT A MINIMUM BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER METHODS APPROVED BY THE LOCAL GOVERNING AUTHORITY'S EROSION CONTROL INSPECTOR.
9. ALL OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY. FLUSHING SHALL NOT BE ALLOWED.
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19. ALL WORK IN CITY OF FITCHBURG RIGHT-OF-WAY WILL REQUIRE A RIGHT-OF-WAY PERMIT.

GRADING LEGEND

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EXISTING CONTOURS	- - - 1020 - - -
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PROPOSED FINISH FLOOR ELEVATION	FFE 1020.00
PROPOSED RIM ELEVATION	R 1020.00
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MATCH EXISTING ELEVATION	M 1020.00
APPROXIMATE PROJECT LIMITS	- - - - -

EROSION CONTROL LEGEND

STONE TRACKING PAD	
CONCRETE TRUCK WASH AREA	
INLET PROTECTION	
SILT FENCE	
SILT FENCE OUTLET	
DITCH CHECK	
EROSION MAT CLASS 1 TYPE A	

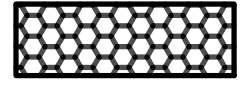






SITE GRADING AND EROSION CONTROL - GENERAL NOTES

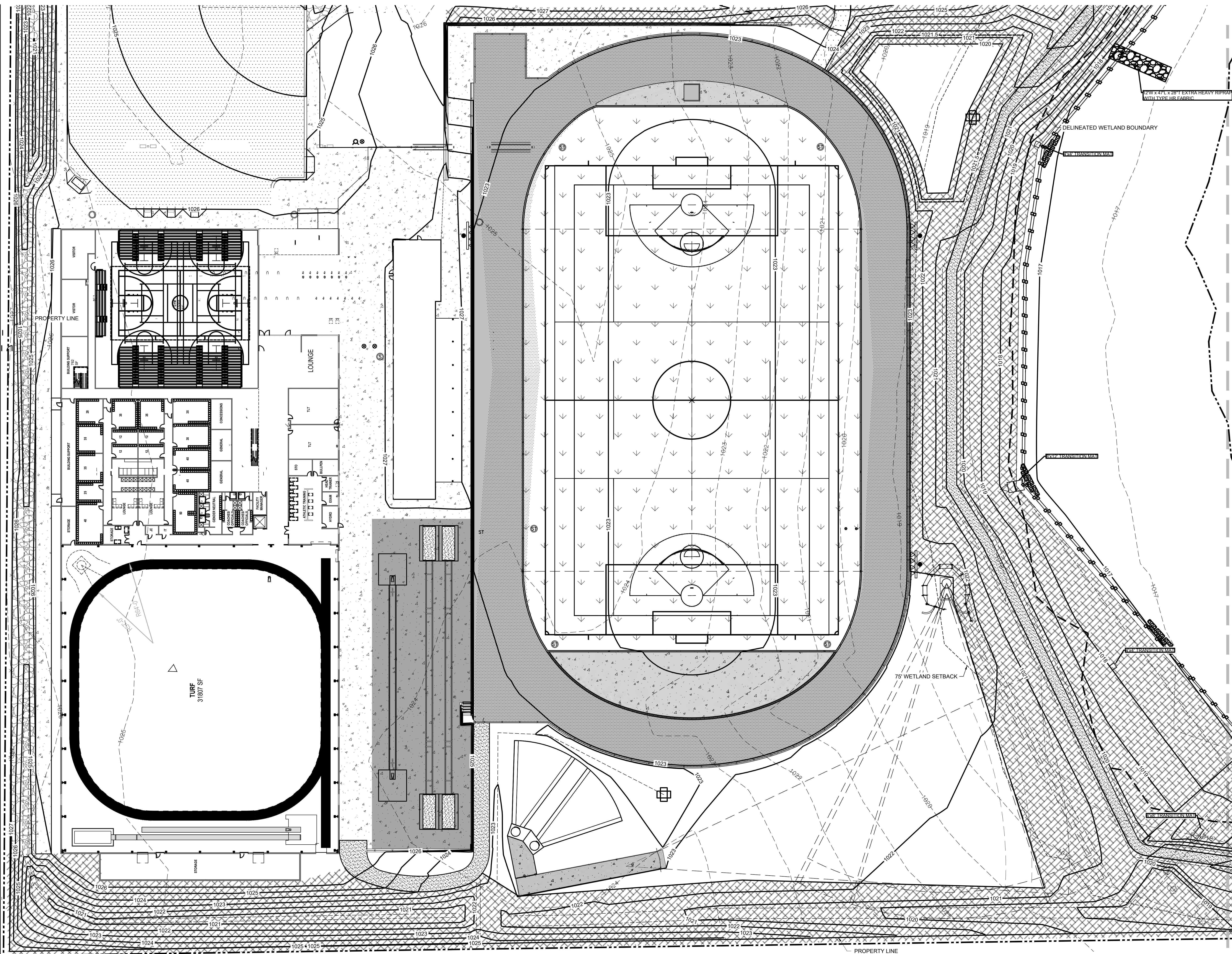
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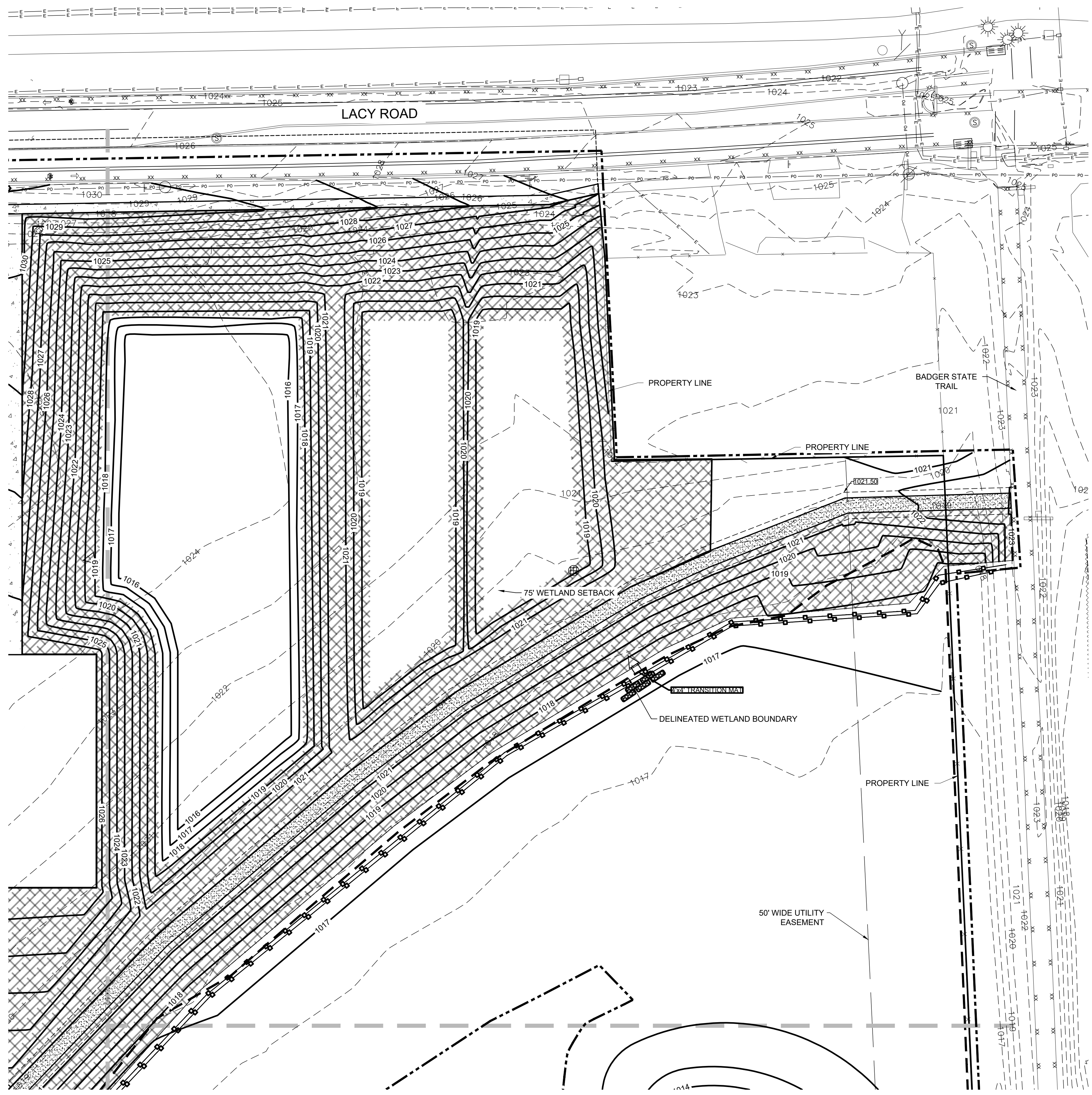
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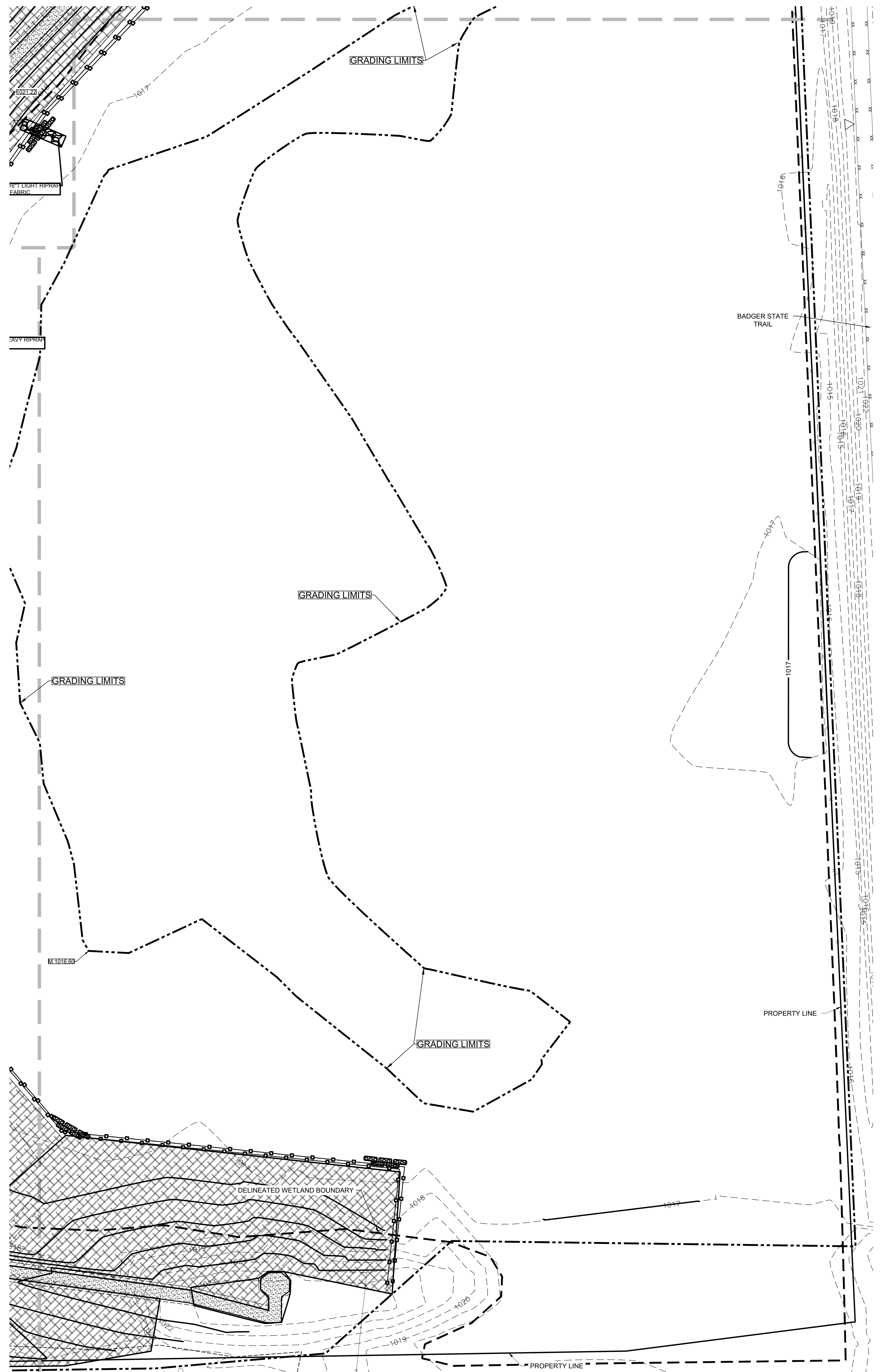
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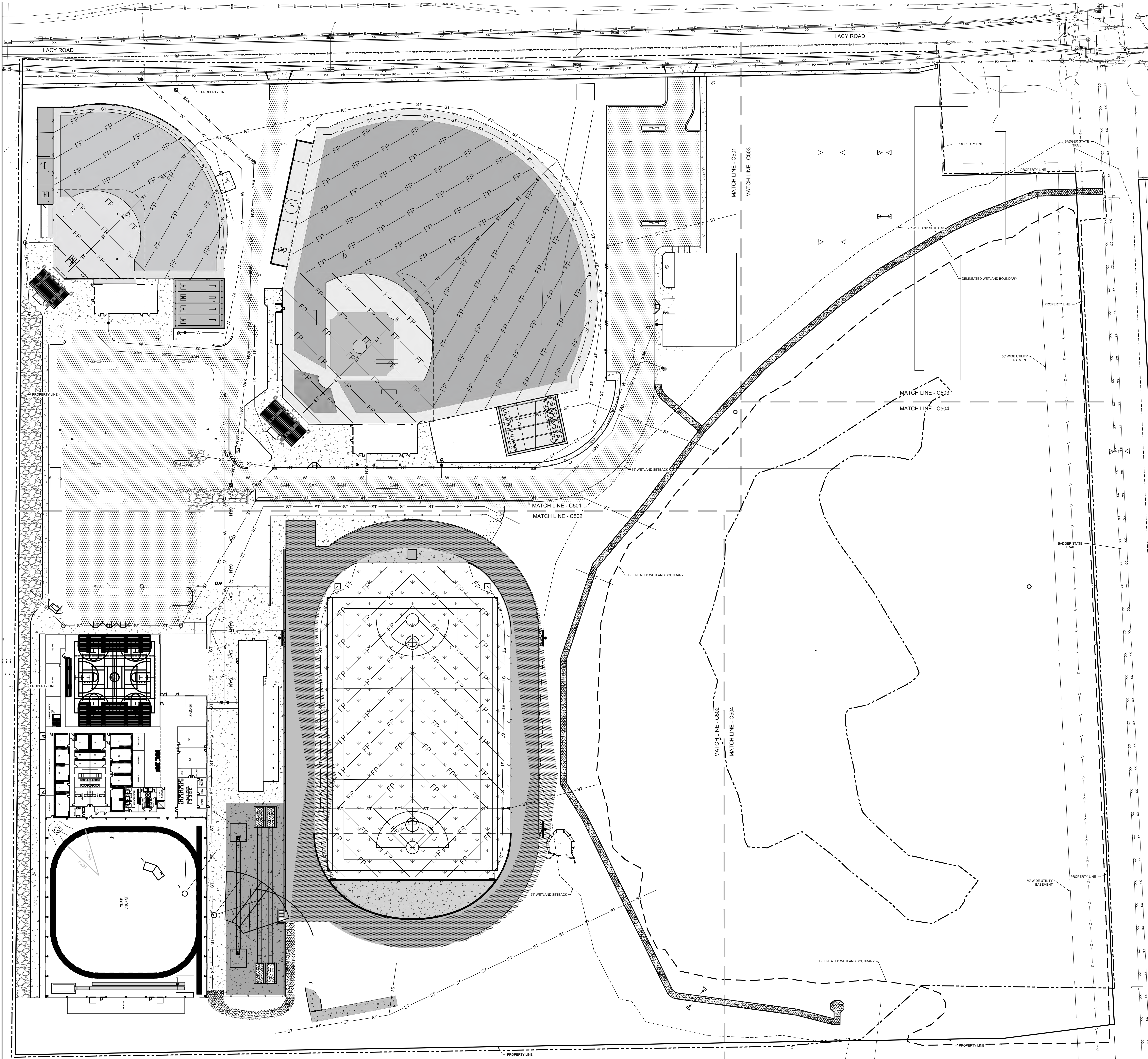
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UTILITY - GENERAL NOTES

1. ANY EXISTING UTILITIES NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE BID.
2. ANY EXISTING UTILITIES THAT ARE TO REMAIN BUT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN KIND BY THE CONTRACTOR AND SHALL BE INCLUDED AS PART OF THE BASE BID.
3. SITE UTILITY CONTRACTOR SHALL VERIFY ALL EXISTING SANITARY SEWER RIM AND INVERT ELEVATIONS WHERE THE PROPOSED SANITARY SEWER IS DESIGNED TO CONNECT PRIOR TO CONSTRUCTION.
4. COORDINATE SANITARY SEWER AND WATER SERVICE CONNECTION WITH CITY OF FITCHBURG PUBLIC WORKS DEPARTMENT. COORDINATE ALL UTILITY RELOCATION WITH THE PROPER UTILITY COMPANY.
5. ALL PAVEMENT DISTURBED BY PROPOSED UTILITIES SHALL BE RESTORED IN KIND BY THE CONTRACTOR AND SHALL BE INCLUDED AS PART OF THE BASE BID.
6. WATER SERVICE AND SANITARY SEWER SHALL HAVE MINIMUM 6.0' OF COVER. INSULATION SHALL BE PROVIDED FOR PIPES WITH LESS THAN 4.0' OF COVER.
7. PROVIDE A COMPLETE TRACER WIRE SYSTEM ON ALL NON-METALLIC UTILITY PIPING SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WISCONSIN PLUMBING CODE AND DETAILS CONTAINED IN THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION. PROVIDE ACCESS TO TRACER WIRE IN ALL MANHOLES & INLETS. SPLICE TRACER WIRE AS NECESSARY.
8. PIPE LENGTHS INCLUDE THE RADIUS OF THE STRUCTURE.
9. ALL WORK IN CITY OF FITCHBURG RIGHT-OF-WAY WILL REQUIRE A RIGHT-OF-WAY PERMIT.
10. MINIMUM 5' SEPARATION IS REQUIRED BETWEEN WATER SERVICES AND SANITARY/STORM SEWERS.
11. WATER MAIN BETWEEN THE MUNICIPAL SYSTEM UP TO AND INCLUDING FIRE HYDRANTS SHALL BE INSTALLED PER THE LATEST EDITION OF THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AVAILABLE AT [HTTPS://WWW.FITCHBURGWI.GOV/DOCUMENTCENTER/VIEW/RECORDID/24228/STANDARD-SPECIFICATIONS28ID2](https://www.fitchburgwi.gov/documentcenter/view/recordid/24228/STANDARD-SPECIFICATIONS28ID2).
12. PER CITY ORDINANCE, CONTRACTORS ARE NOT ALLOWED TO OPERATE CITY OWNED VALVES. THE CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT (608)270-4270 FOR OPERATION OF THESE VALVES.
13. SAFE SAMPLE RESULTS NEED TO BE PROVIDED TO THE FITCHBURG UTILITY PRIOR TO PRESSURE TESTING THE PRIVATE WATER MAINS.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE AT THE POINT OF CONNECTION.
15. OPEN PICKHOLES IN SANITARY MANHOLES ARE PROHIBITED.

UTILITY LEGEND

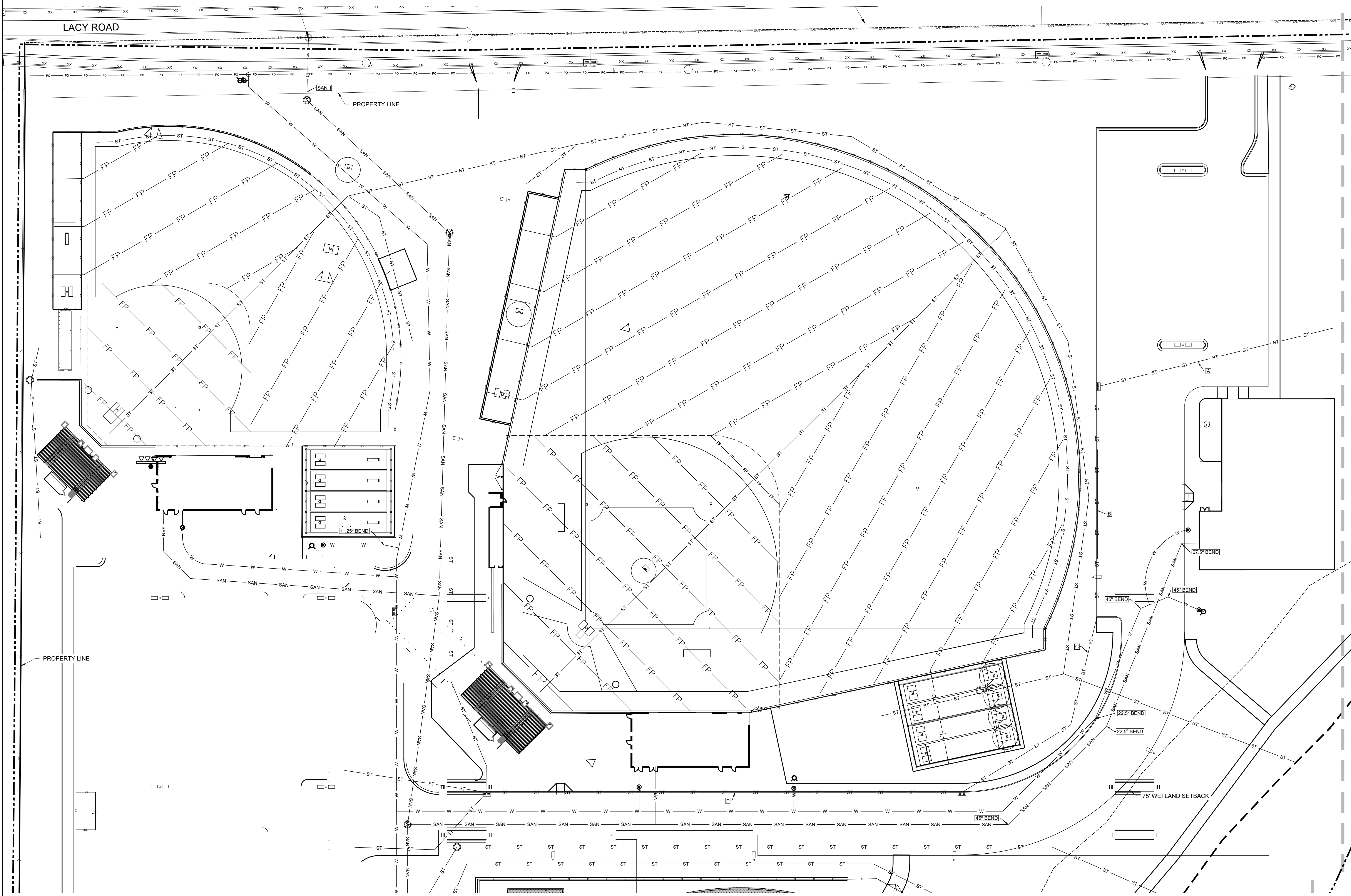
UNDERDRAIN	— UD —
1" x 12" FLAT PANEL	— FP —
STORM SEWER PIPE	— ST —
STORM SEWER STRUCTURE	⊙ ⊕ ⊗ ⊛
STORM SEWER STRUCTURE NUMBER	⊙ ST 1
STORM SEWER PIPE ID	⊙ A
SANITARY SEWER PIPE	— SAN —
SANITARY SEWER STRUCTURE	⊙
SANITARY SEWER NUMBER	⊙ SAN 1
WATER PIPE	— W —
HYDRANT	⊕
GATE VALVE & VALVE BOX	⊙
WATER NUMBER	⊙ W 1
APPROXIMATE PROJECT LIMITS	- - - - -

STORM SEWER - PIPE SCHEDULE

PIPE ID	FROM	TO	LENGTH (FT.)	SLOPE (%)	PIPE SIZE (IN.)	PIPE MTL
A	IN 2	EW 1	175	0.40	30	RCP IV
B	IN 3	IN 2	165	0.30	30	RCP IV
C	ST 4	IN 3	47	0.30	30	RCP IV
D	BEND 5	ST 4	33	0.30	30	RCP IV
E	IN 6	BEND 5	92	0.30	30	RCP IV
F	IN 7	IN 6	341	0.30	30	RCP IV
G	IN 8	IN 7	193	0.30	18	HDPE
H	EW 9	IN 7	104	0.30	18	HDPE
I	ST 10	IN 7	56	0.40	18	HDPE
J	EW 11	ST 10	57	0.40	18	HDPE
K	ST 4	EW 12	166	0.30	30	HDPE
L	IN 13	ST 4	14	0.30	30	HDPE
M	ST 14	IN 13	128	0.30	30	HDPE
N	IN 15	ST 14	114	0.30	30	HDPE
O	IN 16	IN 15	95	0.30	30	HDPE
P	IN 17	IN 16	129	0.30	18	HDPE
Q	ST 18	IN 17	106	0.30	18	HDPE
R	IN 19	ST 18	94	0.30	18	HDPE
S	ST 20	IN 19	167	0.30	18	HDPE
T	ST 21	ST 20	242	0.30	18	PERF. HDPE
U	CAP 1	TEE 1	188	0.30	12	PERF. HDPE
V	CAP 2	TEE 1	168	0.30	12	PERF. HDPE
W	IN 22	ST 20	26	0.30	18	HDPE
V	IN 23	IN 22	92	0.30	18	HDPE
Y	ST 24	IN 16	10	0.30	18	HDPE
Z	ST 25	ST 24	461	0.30	18	PERF. HDPE
AA	CAP 3	TEE 2	316	0.30	12	PERF. HDPE
AB	CAP 4	TEE 2	296	0.30	12	PERF. HDPE
AC	IN 26	IN 13	135	0.30	12	HDPE
AD	IN 27	IN 19	45	0.30	18	HDPE
AE	ST 29	EW 28	120	0.30	15	HDPE
AF	ST 30	ST 29	8	0.30	18	HDPE
AG	ST 31	ST 30	239	0.30	12	PERF. HDPE
AH	ST 32	ST 31	298	0.30	18	PERF. HDPE
AI	ST 33	ST 31	91	0.30	12	PERF. HDPE
AJ	ST 34	ST 30	298	0.30	12	PERF. HDPE
AK	ST 35	ST 30	91	0.30	12	PERF. HDPE
AL	ST 37	EW 36	389	0.35	12	HDPE
AM	EW 38	ST 37	151	0.35	12	HDPE
AN	IN 39	ST 37	133	0.30	8	HDPE
AO	IN 41	EW 40	52	0.48	12	HDPE
AP	ST 43	EW 42	51	0.30	24	HDPE
AQ	ST 44	ST 43	292	0.30	24	HDPE
AR	ST 45	ST 44	177	0.30	24	HDPE
AS	ST 46	ST 45	236	0.30	24	HDPE
AT	ST 47	ST 46	234	0.30	18	HDPE
AU	ST 49	EW 48	108	0.30	48	RCP IV
AV	ST 50	ST 49	427	0.30	48	RCP IV
AW	ST 51	ST 50	197	0.30	48	RCP IV
AX	ST 52	ST 51	155	0.30	48	RCP IV
AY	EW 53	ST 52	64	0.30	48	RCP IV
AZ	ST 55	EW 54	113	0.36	24	HDPE
BA	EW 56	ST 55	25	0.36	24	HDPE
BB	TD 57	ST 45	34	2.12	6	PVC
BC	TD 58	ST 45	93	1.04	6	PVC
BD	TD 59	ST 46	27	0.50	6	PVC
BE	IN 61	EW 60	60	0.28	8	HDPE

STORM SEWER - STRUCTURE SCHEDULE

PIPE ID	FROM	TO	LENGTH (FT.)	SLOPE (%)	PIPE SIZE (IN.)	PIPE MTL
EW 1	ENDWALL INV.	IN 2	1019.00		30" RIM	1024.60
					30" INV (NE)	1020.20
					30" INV (S)	1020.20
30" RCP ENDWALL WITH TRASHGUARD		DEPTH		4.53	DEPTH	4.40
					INSTALL ADS FlexStorm Pure PCP FILTER BAG	
					48" CONCRETE STRUCTURE	
					NEENAH R 3052 TYPE B GRATE	
ST 4	RIM	IN 6	1025.41		30" RIM	1025.10
					30" INV (NE)	1020.34
					30" INV (SW)	1020.34
					30" INV (S)	1020.71
					1021.98	
					1017.98	
					7.46	4.39
					30" 45" RCP BEND	
					DEPTH	
					INSTALL ADS FlexStorm Pure PCP FILTER BAG	
					48" CONCRETE STRUCTURE	
					NEENAH R 3052 TYPE B GRATE	
72" CONCRETE STRUCTURE						
CONFLICT STRUCTURE - SEE DETAIL 1-C701						
NEENAH R 1550 TYPE B LID						
IN 7	RIM	IN 8	1026.10		30" RIM	1025.70
					30" INV (E)	1022.31
					18" INV (S)	1022.31
					18" INV (W)	1021.73
					18" INV (SW)	1021.73
					18" INV (W)	1021.73
					18" INV (S)	1021.73
					4.37	3.39
					18" METAL ENDWALL WITH TRASHGUARD	
					DEPTH	
					INSTALL ADS FlexStorm Pure PCP FILTER BAG	
					48" CONCRETE STRUCTURE	
					NEENAH R 3052 TYPE B GRATE	
ST 10	RIM	EW 9	1027.50		30" RIM	1022.19
					18" INV (NE)	1021.96
					18" INV (W)	1021.96
					18" INV (SW)	1021.96
					5.54	
					18" METAL ENDWALL WITH TRASHGUARD	
24" PVC BASIN						
SOLID COVER						
EW 12	ENDWALL INV.	IN 13	1018.00		30" RIM	1022.80
					30" INV (SE)	1018.02
					12" INV (SW)	1019.52
					30" INV (N)	1018.02
30" METAL ENDWALL WITH TRASHGUARD						
					DEPTH	
					48" CONCRETE STRUCTURE	
					NEENAH R 3050 TYPE D GRATE	
ST 14	RIM	IN 15	1025.00		30" RIM	1023.00
					30" INV (S)	1018.40
					30" INV (NE)	1018.40
					30" INV (NW)	1018.40
					2.00	1020.05
					2.00	1019.53
					2.00	1019.53
					8.60	6.05
					30" MODULAR PVC BASIN	
					STANDARD GRATE	
ST 18	RIM	IN 16	1023.80		30" RIM	1023.00
					18" INV (SE)	1020.23
					18" INV (NE)	1020.51
					18" INV (SW)	1020.23
					12" INV (NW)	1020.51
					2.00	1020.51
					2.00	1020.51
					6.05	3.97
					48" CONCRETE STRUCTURE	
					NEENAH R 1550 TYPE B LID	
IN 17	RIM	IN 18	1023.00		30" RIM	1023.80
					18" INV (SE)	1019.91
					18" INV (NE)	1020.51
					18" INV (W)	1019.91
					18" INV (SW)	1019.91
					2.00	1020.51
					2.00	1020.51
					2.00	1020.51
					7.27	3.29
					48" CONCRETE STRUCTURE	
					NEENAH R 3050 TYPE D GRATE	
24" MODULAR PVC BASIN						
STANDARD GRATE						
IN 21	RIM	IN 22	1024.60		30" RIM	1024.25
					12" INV (NE)	1021.01
					12" INV (NW)	1021.01
					12" INV (SE)	1021.01
					12" INV (SW)	1021.01
					2.51	2.00
					2.51	2.00
					2.51	2.00
					4.26	4.26
					24" MODULAR PVC BASIN	
					SOLID COVER	
ST 24	RIM	ST 25	1023.46		30" RIM	1025.15
					18" INV (NE)	1020.40
					18" INV (NE)	1020.05
					18" INV (NE)	1020.05
					2.00	1020.05
					2.00	1020.05
					4.55	3.72
					48" CONCRETE STRUCTURE	
					NEENAH R 1550 TYPE B LID	
DEPTH						
24" MODULAR PVC BASIN						
STANDARD GRATE						
IN 26	RIM	IN 27	1024.50		30" RIM	1023.70
					12" INV (NE)	1019.93
					12" INV (NE)	1020.65
					2.00	1020.65
					2.00	1020.65
					6.57	5.05
					24" MODULAR PVC BASIN	
					STANDARD GRATE	
EW 28	ENDWALL INV.	ST 29	1017.82		30" RIM	1022.21
					15" INV (NE)	1018.18
					18" INV (E)	1018.20
					18" INV (W)	1018.18
					12" INV (S)	1018.20
					12" INV (W)	1018.20
					12" INV (N)	1018.20
15" METAL ENDWALL WITH TRASHGUARD						
					DEPTH	
					48" CONCRETE STRUCTURE	
					NEENAH R 1550 TYPE B LID W/ TURF ACCESS BOX	
					SEE DETAIL 6-C701	
ST 31	RIM	ST 33	1022.21		30" RIM	1022.21
					12" INV (E)	1018.92
					12" INV (S)	1018.92
					12" INV (N)	1018.92
					3.20	3.02
					18" MODULAR PVC BASIN	
					SOLID COVER W/ TURF ACCESS BOX	
ST 34	RIM	EW 36	1022.21		30" RIM	1018.48
					12" INV (SE)	1018.48
					1022.21	
					1018.48	
					3.11	3.73
					18" MODULAR PVC BASIN	
					SOLID COVER W/ TURF ACCESS BOX	
ST 37	RIM	IN 39	1022.80		30" RIM	1022.20
					12" INV (NE)	1019.40
					12" INV (N)	1019.40
					12" INV (SW)	1019.40
					3.40	2.40
					18" MODULAR PVC BASIN	
					SOLID COVER	
EW 40	ENDWALL INV.	IN 41	1017.75		30" RIM	1020.00
					12" INV (SE)	1018.00
					12" INV (SE)	1018.00
					6" DIA. DRAWDOWN DEVICE	1020.00
12" METAL ENDWALL WITH TRASHGUARD						
					DEPTH	
					24" MODULAR PVC BASIN	
					STANDARD GRATE	
ST 43	RIM	ST 45	1026.50		30" RIM	1026.90
					24" INV (SE)	1021.18
					24" INV (W)	1021.18
					24" INV (SW)	1021.18
					5.32	4.31
					24" MODULAR PVC BASIN	
					SOLID COVER	
					DEPTH	
					30" MODULAR PVC BASIN	
					SOLID COVER	
ST 46	RIM	EW 48	1026.90		30" RIM	1026.90
					24" INV (N)	1023.30
					18" INV (S)	1023.30
					6" INV (SE)	1024.45
					4.31	1024.00
					48" RCP ENDWALL WITH TRASHGUARD	
					DEPTH	
					48" CONCRETE STRUCTURE	
					NEENAH R 1550 TYPE B LID	
ST 49	RIM	ST 50	1026.00		30" RIM	1026.02
					48" INV (SE)	1018.05
					48" INV (W)	1018.05
					48" INV (SW)	1019.34
					48" INV (W)	1019.34
					7.95	6.09
					48" CONCRETE STRUCTURE	
					NEENAH R 1550 TYPE B LID	
ST 52	RIM	EW 54	1026.85		30" RIM	1022



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3. SITE UTILITY CONTRACTOR SHALL VERIFY ALL EXISTING SANITARY SEWER RIM AND INVERT ELEVATIONS WHERE THE PROPOSED SANITARY SEWER IS DESIGNED TO CONNECT PRIOR TO CONSTRUCTION.
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7. PROVIDE A COMPLETE TRACER WIRE SYSTEM ON ALL NON-METALLIC UTILITY PIPING SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WISCONSIN PLUMBING CODE AND DETAILS CONTAINED IN THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION. PROVIDE ACCESS TO TRACER WIRE IN ALL MANHOLES & INLETS. SPLICE TRACER WIRE AS NECESSARY.
8. PIPE LENGTHS INCLUDE THE RADIUS OF THE STRUCTURE.
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12. PER CITY ORDINANCE, CONTRACTORS ARE NOT ALLOWED TO OPERATE CITY OWNED VALVES. THE CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT (608)270-4270 FOR OPERATION OF THESE VALVES.
13. SAFE SAMPLE RESULTS NEED TO BE PROVIDED TO THE FITCHBURG UTILITY PRIOR TO PRESSURE TESTING THE PRIVATE WATER MAINS.
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UTILITY LEGEND

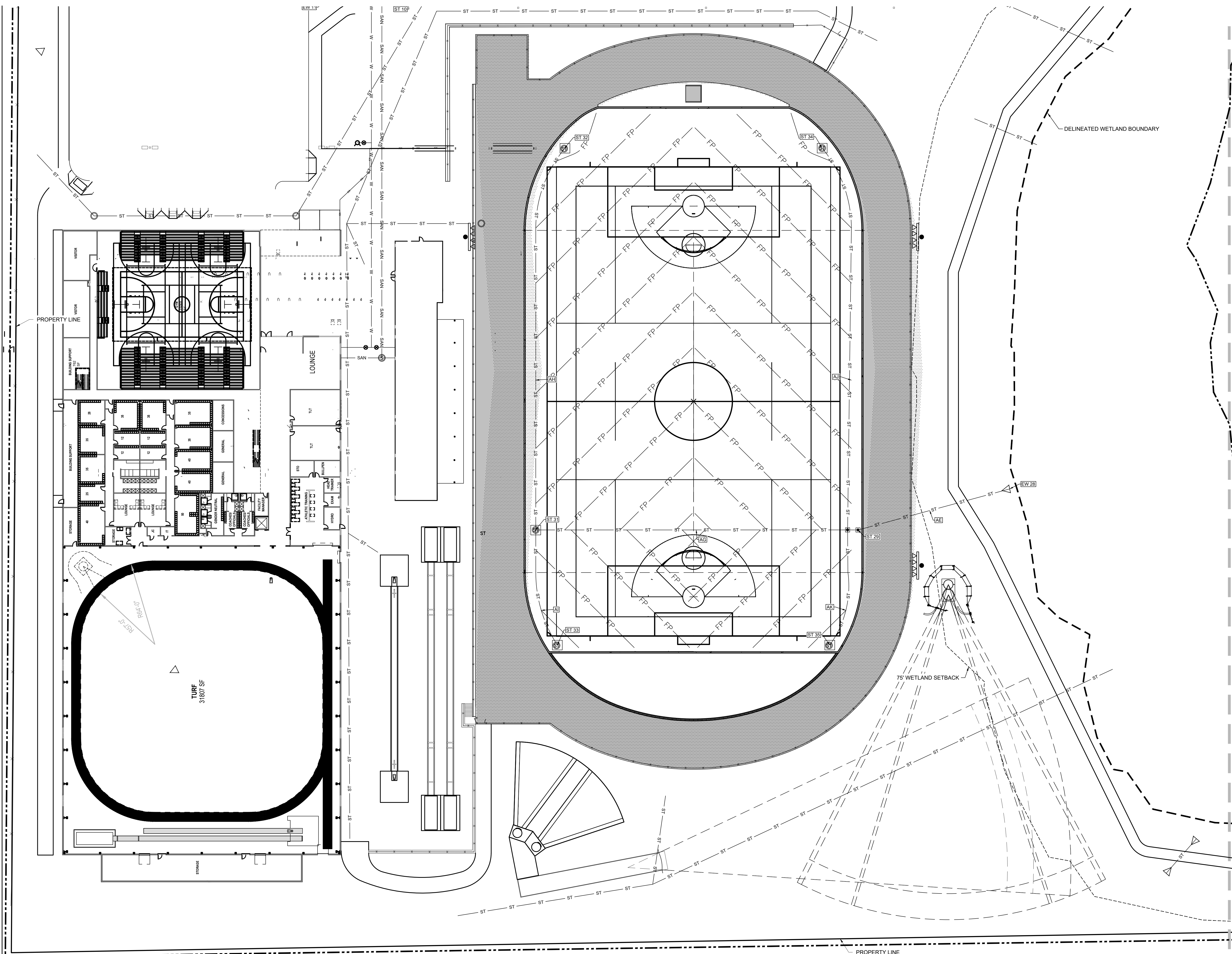
UNDERDRAIN	— UD —
1" x 12" FLAT PANEL	— FP —
STORM SEWER PIPE	— ST —
STORM SEWER STRUCTURE	⊙ ⊕ ⊗ ⊛
STORM SEWER STRUCTURE NUMBER	⊙ ST 1
STORM SEWER PIPE ID	⊕ A
SANITARY SEWER PIPE	— SAN —
SANITARY SEWER STRUCTURE	⊙
SANITARY SEWER NUMBER	⊙ SAN 1
WATER PIPE	— W —
HYDRANT	⊕
GATE VALVE & VALVE BOX	⊙
WATER NUMBER	⊕ W 1
APPROXIMATE PROJECT LIMITS	-----

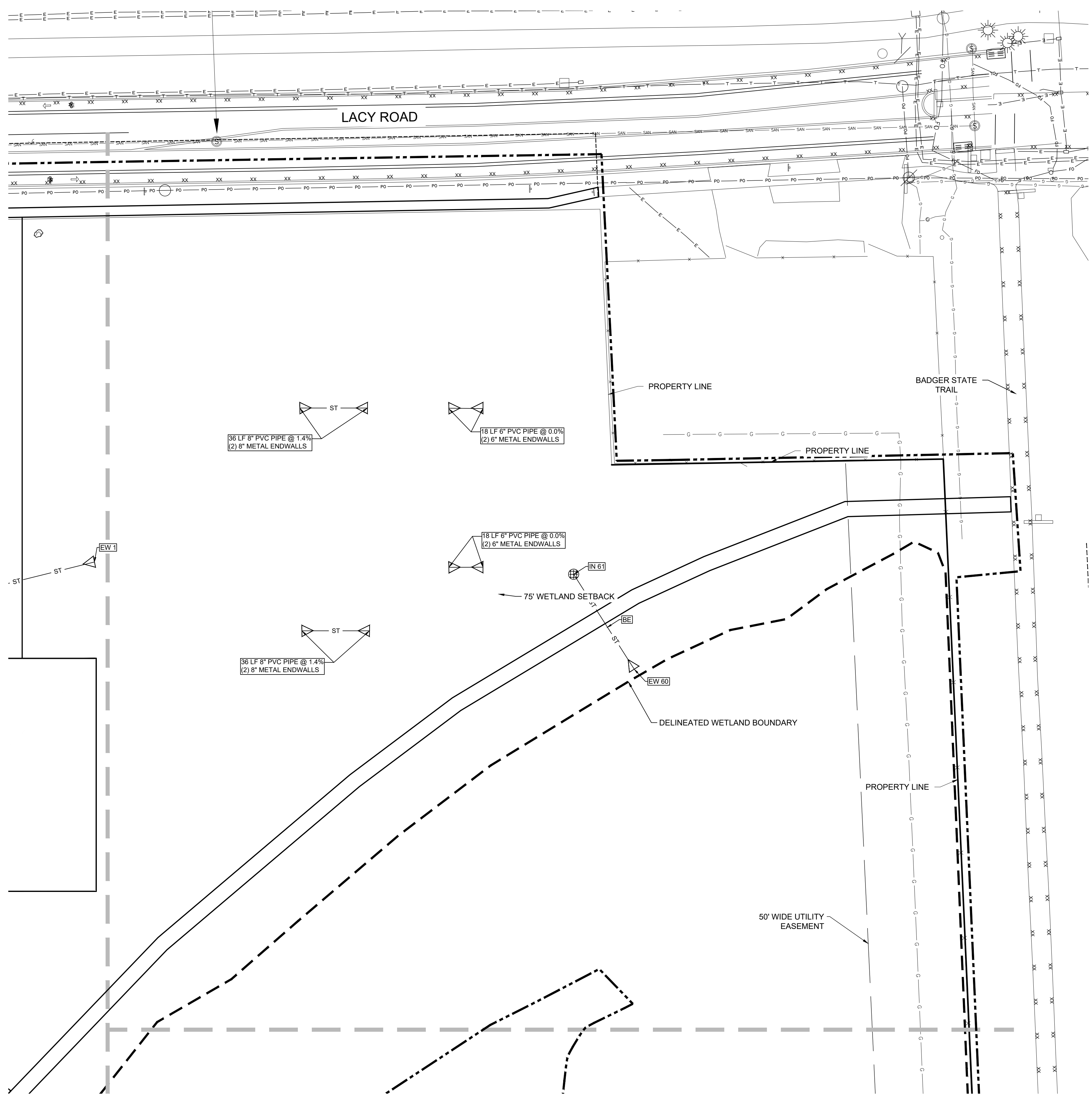
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1" x 12" FLAT PANEL	— FP —
STORM SEWER PIPE	— ST —
STORM SEWER STRUCTURE	⊗ ⊕ ⊙ ⊚
STORM SEWER STRUCTURE NUMBER	⊗ ST 1
STORM SEWER PIPE ID	⊗ A
SANITARY SEWER PIPE	— SAN —
SANITARY SEWER STRUCTURE	⊗
SANITARY SEWER NUMBER	⊗ SAN 1
WATER PIPE	— W —
HYDRANT	⊕
GATE VALVE & VALVE BOX	⊗
WATER NUMBER	⊗ W 1
APPROXIMATE PROJECT LIMITS	- - - - -



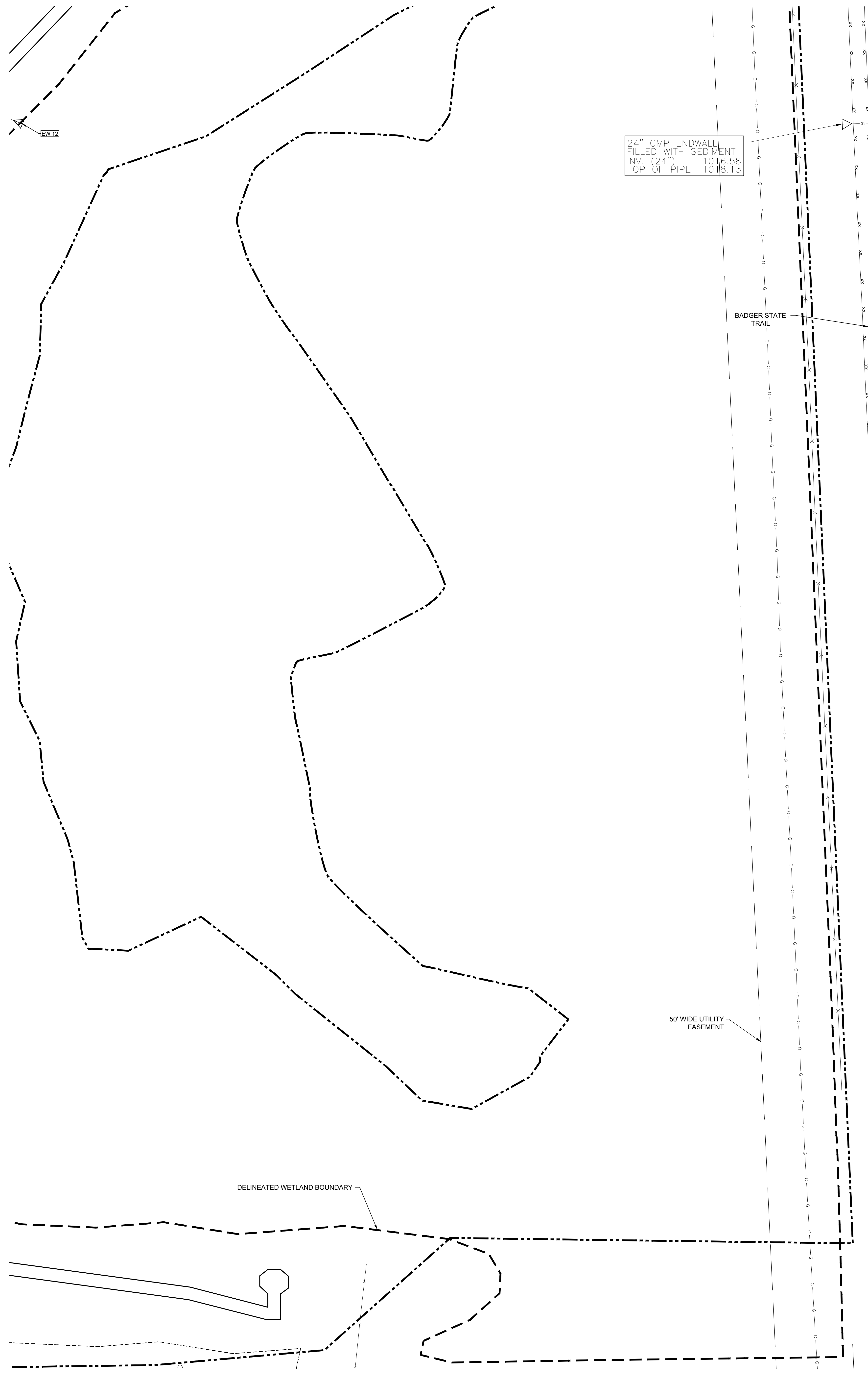


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STORM SEWER STRUCTURE	⊗ ⊕ △ ▢
STORM SEWER STRUCTURE NUMBER	⊗ [ST 1]
STORM SEWER PIPE ID	⊗ [A]
SANITARY SEWER PIPE	— SAN —
SANITARY SEWER STRUCTURE	⊗
SANITARY SEWER NUMBER	⊗ [SAN 1]
WATER PIPE	— W —
HYDRANT	⊕
GATE VALVE & VALVE BOX	⊗
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1" x 12" FLAT PANEL	— FP —
STORM SEWER PIPE	— ST —
STORM SEWER STRUCTURE	⊕ ⊗ △ ▢
STORM SEWER STRUCTURE NUMBER	⊕ [ST 1]
STORM SEWER PIPE ID	⊕ [A]
SANITARY SEWER PIPE	— SAN —
SANITARY SEWER STRUCTURE	⊕
SANITARY SEWER NUMBER	⊕ [SAN 1]
WATER PIPE	— W —
HYDRANT	⊕
GATE VALVE & VALVE BOX	⊕
WATER NUMBER	⊕ [W 1]
APPROXIMATE PROJECT LIMITS	-----



SITE LANDSCAPE PLAN - GENERAL NOTES

1. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PRIVATE UTILITIES PRIOR TO THE START OF WORK.
3. ALL PLANTS SHALL BE REVIEWED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. LANDSCAPE BEDS SHALL CONTAIN A 4" DEPTH OF SHREDDED HARDWOOD BARK MULCH, UNLESS INDICATED OTHERWISE.
5. LANDSCAPE BED AREAS NOT BORDERED BY THE BUILDING OR SITE CONCRETE SHALL BE Bordered BY ALUMINUM LANDSCAPE EDGING.
6. ALL TREES AND SHRUBS IN TURF AREAS SHALL HAVE A 5' DIAMETER CIRCLE OF 4" SHREDDED HARDWOOD BARK MULCH.
7. ALL GENERAL TURF AREAS SHALL BE FINISH GRADED, SEEDED, FERTILIZED, AND CRIMP HAY MULCHED AS PER THE PROJECT MANUAL SPECIFICATIONS UNLESS NOTED AS SHOWN ON THE PLANS.
8. ALL GENERAL LANDSCAPE AREAS (SEEDING & PLANTING) SHALL HAVE A MINIMUM 6" COMPACTED DEPTH OF TOPSOIL.
9. SEE THE PROJECT MANUAL FOR SPECIFICATIONS AND REQUIREMENTS FOR PLANTING, STAKING OF TREES, WARRANTY PERIOD, MAINTENANCE, ETC.
10. SEE DETAILS FOR PLANTING INSTALLATION.

SITE LANDSCAPE PLAN - LEGEND

- APPROXIMATE PROJECT LIMITS
- LANDSCAPE EDGING

SITE LANDSCAPE PLAN - HATCH LEGEND

- STORMWATER DETENTION POND (WET POND)
- WETLAND RESTORATION AREA (PLAN TO BE PROVIDED TO CITY)
- SHORT PRAIRIE FOR DRY SOILS SEED MIX
- POLLINATOR HABITAT FOR DRY SOILS SEED MIX
- POLLINATOR HABITAT FOR MEDIUM SOILS SEED MIX
- EMERGENT SEED MIX
- WET MESIC SEED MIX

POLLINATOR HABITAT FOR MEDIUM SOILS SEED MIX

COMPONENTS

- Forbs (Wildflowers):
 Agastache foeniculum - Lavender Hyssop
 Allium cernuum - Nodding Pink Onion
 Asclepias incarnata - Red Milkweed
 Aster azureus - Sky Blue Aster
 Aster laevis - Smooth Aster
 Aster novae-angliae - New England Aster
 Cassia fasciculata - Partridge Pea
 Coreopsis lanceolata - Lanceleaf Coreopsis
 Dalea purpurea - Purple Prairie Clover
 Dodecatheon meadia - Shootingstar
 Echinacea pallida - Pale Purple Coneflower
 Echinacea purpurea - Purple Coneflower
 Eryngium yuccifolium - Rattlesnake Master
 Eupatorium purpureum - Sweet Joe Eye Weed
 Liatris pycnostachya - Prairie Blazing Star
 Liatris spicata - Dense Blazing Star
 Monarda fistulosa - Bergamot
 Penstemon digitalis - Smooth Penstemon
 Ratibida pinnata - Yellow Coneflower
 Rudbeckia hirta - Black Eyed Susan
 Rudbeckia subtomentosa - Sweet Black Eyed Susan
 Rudbeckia triloba - Brown Eyed Susan
 Senna hebecarpa - Wild Senna
 Solidago ohioensis - Ohio Goldenrod
 Solidago rigida - Stiff Goldenrod
 Tradescantia ohioensis - Ohio Spiderwort
 Verbena hastata - Blue Vervain
 Vernonia fasciculata - Ironweed
 Veronicastrum virginicum - Culver's Root
 Zizia aurea - Golden Alexanders

- Grasses:
 Bouteloua curtipendula - Sideoats Grama
 Elymus canadensis - Canada Wild Rye
 Schizachyrium scoparium - Little Bluestem
 Sporobolus heterolepis - Prairie Dropseed

WETLAND EMERGENT SEED MIX

COMPONENTS

- Forbs (Wildflowers):
 Sweet Flag, Common Water Plantain, Blue Flag Iris, Monkey Flower, Arrowhead, Giant Bur-Reed
- Grasses, Sedges & Rushes:
 Blue Joint Grass, Bristly Sedge, Fringed Sedge, Porcupine Sedge, Reed Manna Grass, Fowl Manna Grass, Common Rush, Rice Cut Grass, Hard-Stemmed Bulrush, Dark-Green Bulrush, Wool Grass, River Bulrush, Red Bulrush, Soft-Stem Bulrush, Prairie Cordgrass

WET MESIC SEED MIX

COMPONENTS

- Forbs (Wildflowers):
 Wildflowers: Marsh Milkweed, New England Aster, Red-Stemmed Aster, Wild White Indigo, Wild Senna, Canada Tick Trefol, Purple Coneflower, Spotted Joe Pye Weed, Boneset, Sneezeweed, Saw-Tooth Sunflower, Great St. John's Wort, Marsh Blazing Star, Monkey Flower, Wild Bergamot, Wild Quinine, Mountain Mint, Yellow Coneflower, Black-Eyed Susan, Sweet Black-Eyed Susan, Roam Weed, Cup Plant, Prairie Dock, Ohio Goldenrod, Riddell's Goldenrod, Stiff Goldenrod, Ohio Spiderwort, Blue Vervain, Ironweed, Culver's Root, Golden Alexanders

- Grasses, Sedges & Rushes: Big Bluestem, Fringed Brome, Blue Joint Grass, Bebb's Sedge, Crawforth's Sedge, Fringed Sedge, Oval Sedge, Brown Fox Sedge, Canada Wild Rye, Virginia Wild Rye, Switch Grass, Dark-Green Bulrush, Wool Grass, Red Bulrush, Indian Grass, Prairie Cordgrass

POLLINATOR HABITAT FOR DRY SOILS SEED MIX

COMPONENTS

- Forbs (Wildflowers):
 Agastache foeniculum - Lavender Hyssop
 Amorpha canescens - Leadplant
 Asclepias syriaca - Common Milkweed
 Asclepias tuberosa - Butterfly Weed
 Aster azureus - Sky Blue Aster
 Aster laevis - Smooth Aster
 Aster platicoides - White Aster
 Cassia fasciculata - Partridge Pea
 Coreopsis lanceolata - Lanceleaf Coreopsis
 Dalea candida - White Prairie Clover
 Dalea purpurea - Purple Prairie Clover
 Echinacea pallida - Pale Purple Coneflower
 Echinacea purpurea - Purple Coneflower
 Eryngium yuccifolium - Rattlesnake Master
 Eupatorium purpureum - Sweet Joe Eye Weed
 Liatris pycnostachya - Prairie Blazing Star
 Liatris spicata - Dense Blazing Star
 Monarda fistulosa - Bergamot
 Monarda punctata - Dotted Mint
 Penstemon grandiflorus - Beardtongue
 Ratibida pinnata - Yellow Coneflower
 Rudbeckia hirta - Black Eyed Susan
 Ruellia humilis - Wild Petunia
 Solidago rigida - Stiff Goldenrod
 Solidago speciosa - Showy Goldenrod
 Tradescantia ohioensis - Ohio Spiderwort
 Verbena stricta - Hoary Vervain

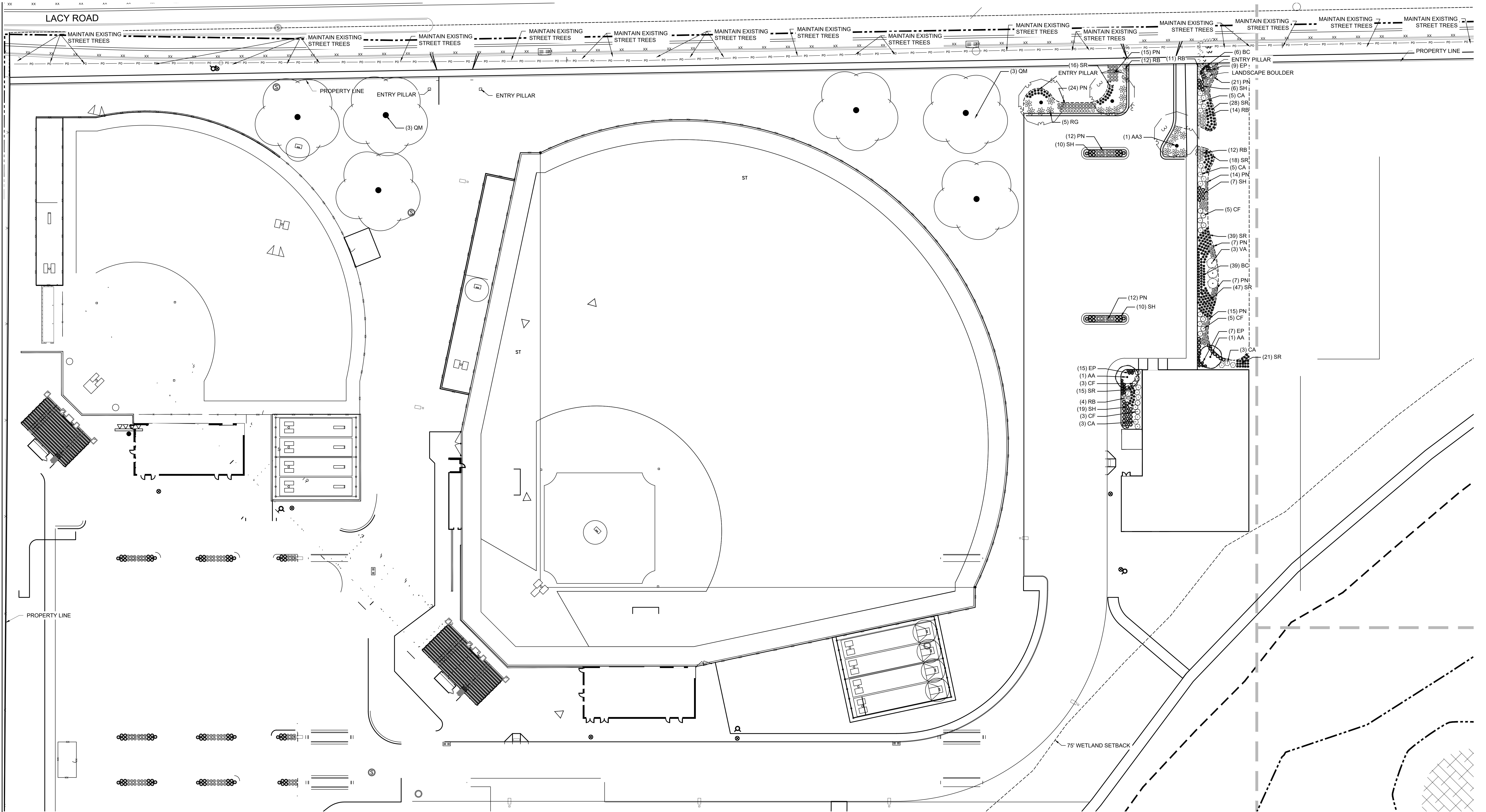
- Grasses:
 Bouteloua curtipendula - Sideoats Grama
 Elymus canadensis - Canada Wild Rye
 Schizachyrium scoparium - Little Bluestem
 Sporobolus heterolepis - Prairie Dropseed

SHORT PRAIRIE FOR DRY SOILS SEED MIX

COMPONENTS

- Forbs (Wildflowers):
 Agastache foeniculum - Lavender Hyssop
 Amorpha canescens - Leadplant
 Asclepias tuberosa - Butterfly Weed
 Aster azureus - Sky Blue Aster
 Aster laevis - Smooth Aster
 Aster platicoides - White Aster
 Astragalus canadensis - Canada Milk Vetch
 Coreopsis lanceolata - Lanceleaf Coreopsis
 Dalea candida - White Prairie Clover
 Dalea purpurea - Purple Prairie Clover
 Echinacea pallida - Pale Purple Coneflower
 Lespedeza capitata - Round Headed Bush Clover
 Lupinus perennis - Lupine
 Monarda punctata - Dotted Mint
 Penstemon grandiflorus - Beardtongue
 Rudbeckia hirta - Black Eyed Susan
 Ruellia humilis - Wild Petunia
 Solidago rigida - Stiff Goldenrod
 Solidago speciosa - Showy Goldenrod
 Tradescantia ohioensis - Ohio Spiderwort
 Verbena stricta - Hoary Vervain

- Grasses:
 Bouteloua curtipendula - Sideoats Grama
 Elymus canadensis - Canada Wild Rye
 Schizachyrium scoparium - Little Bluestem
 Sporobolus heterolepis - Prairie Dropseed



SITE LANDSCAPE PLAN - GENERAL NOTES

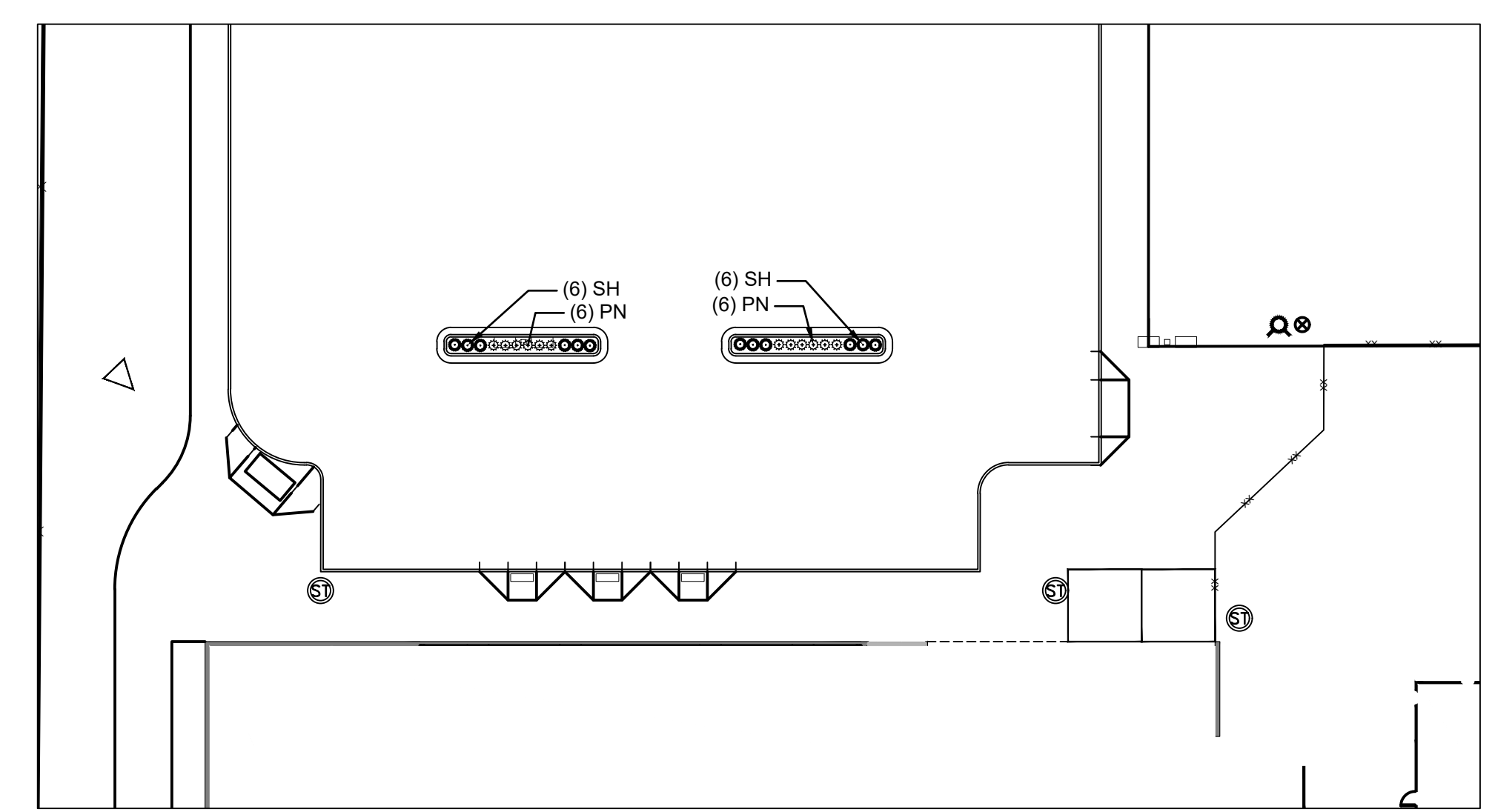
- CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
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- LANDSCAPE BEDS SHALL CONTAIN A 4" DEPTH OF SHREDDED HARDWOOD BARK MULCH, UNLESS INDICATED OTHERWISE.
-

SITE LANDSCAPE PLAN - LEGEND

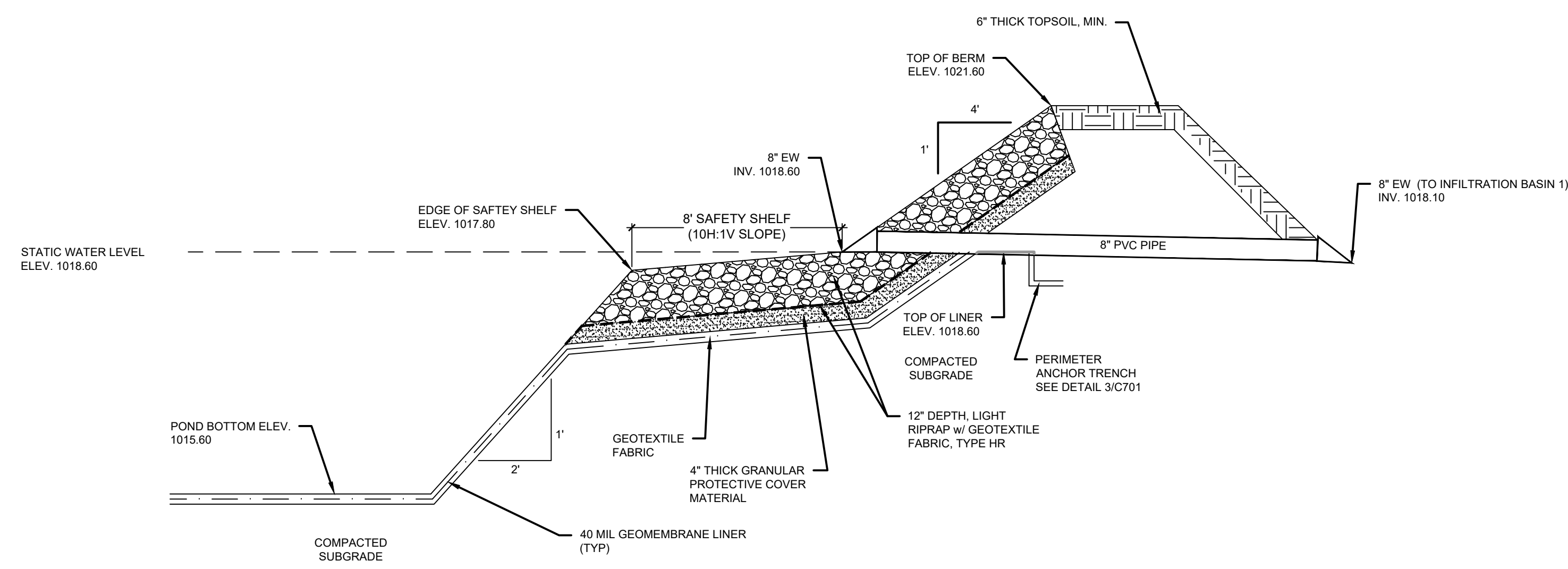
APPROXIMATE PROJECT LIMITS
 LANDSCAPE EDGING

PLANT SCHEDULE

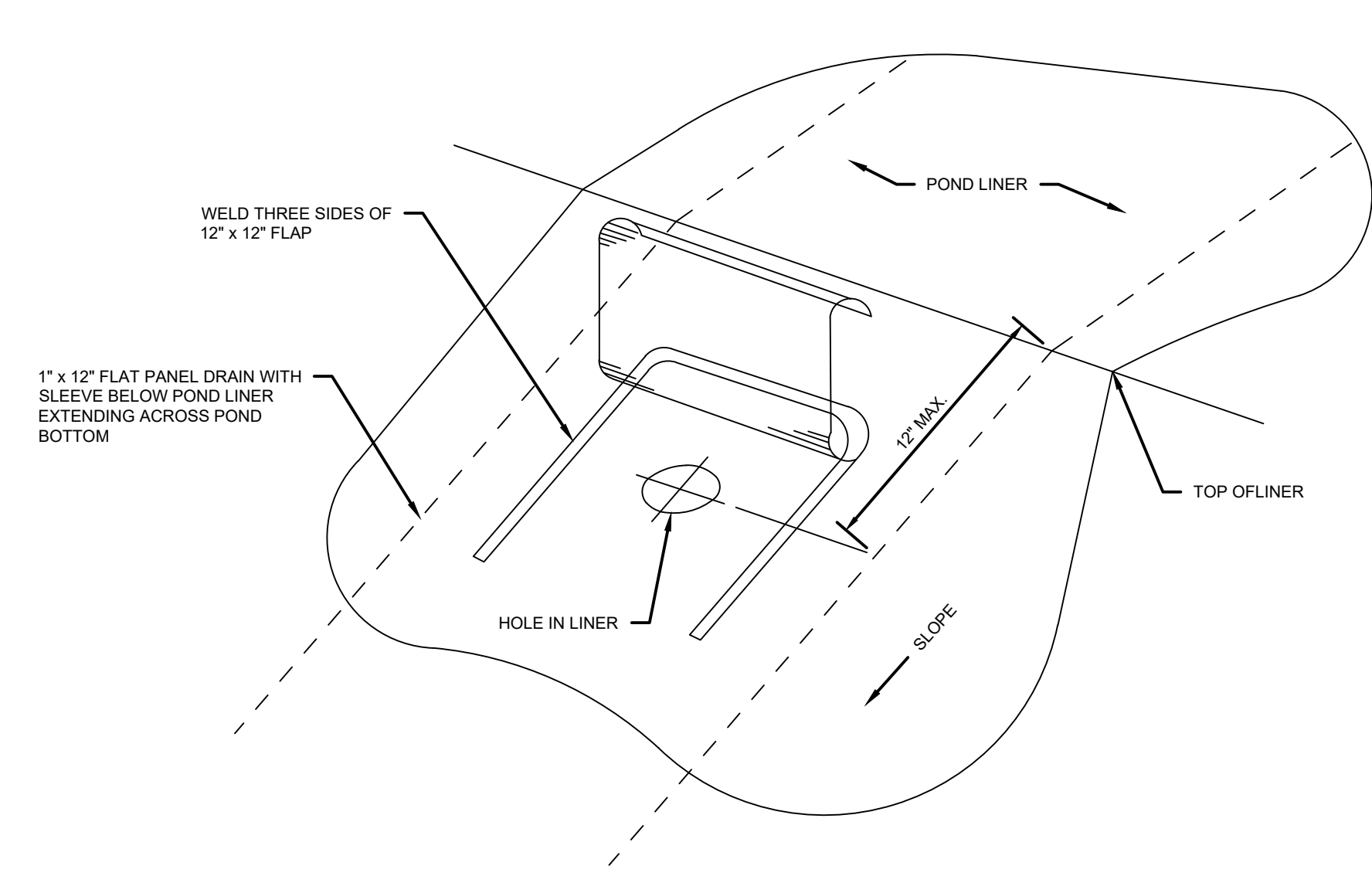
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT.	QTY
TREE - DECIDUOUS				
	AA3	ACER X FREEMANII 'JEFFSRED' / AUTUMN BLAZE MAPLE	2.5' CAL B&B	3
	AA	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE SERVICEBERRY	5' TALL MIN. B&B	2
	QM	QUERCUS MACROCARPA / BURR OAK	B&B 2.5" CAL	6
DECIDUOUS SHRUBS				
	CA	CEANOTHUS AMERICANUS / NEW JERSEY TEA	#5 CONT. 2-3 FT HT.	19
	CF	CORNUS SERICEA 'FARROW' / ARCTIC FIRE® RED TWIG DOGWOOD	#3 CONT. 24" HIGH MIN	16
	RG	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	#3 CONT.	18
	VA	VIBURNUM DENTATUM / VIBURNUM	24" HEIGHT MIN.	3
ORNAMENTAL GRASSES				
	BC	BOUTELOUA CURTIPENDULA / SIDE OATS GRAMA	#1 CONT.	45
	PN	PANICUM VIRGATUM 'NORTH WIND' / NORTHWIND SWITCH GRASS	#1 CONT.	229
	SR	SCHIZACHYRIUM SCOPARIUM 'BLUE PARADISE' / BLUE PARADISE PRAIRIE WINDS® LITTLE BLUESTEM	#1 CONT.	200
	SH	SPOROBOLUS HETEROLEPIS / PRAIRIE DROPSEED	#1 CONT.	151
PERENNIALS				
	EP	ECHINACEA PURPUREA / CONEFLOWER	#1 CONT.	31
	RB	RUDBECKIA FULGIDA / CONEFLOWER	#1 CONT.	65



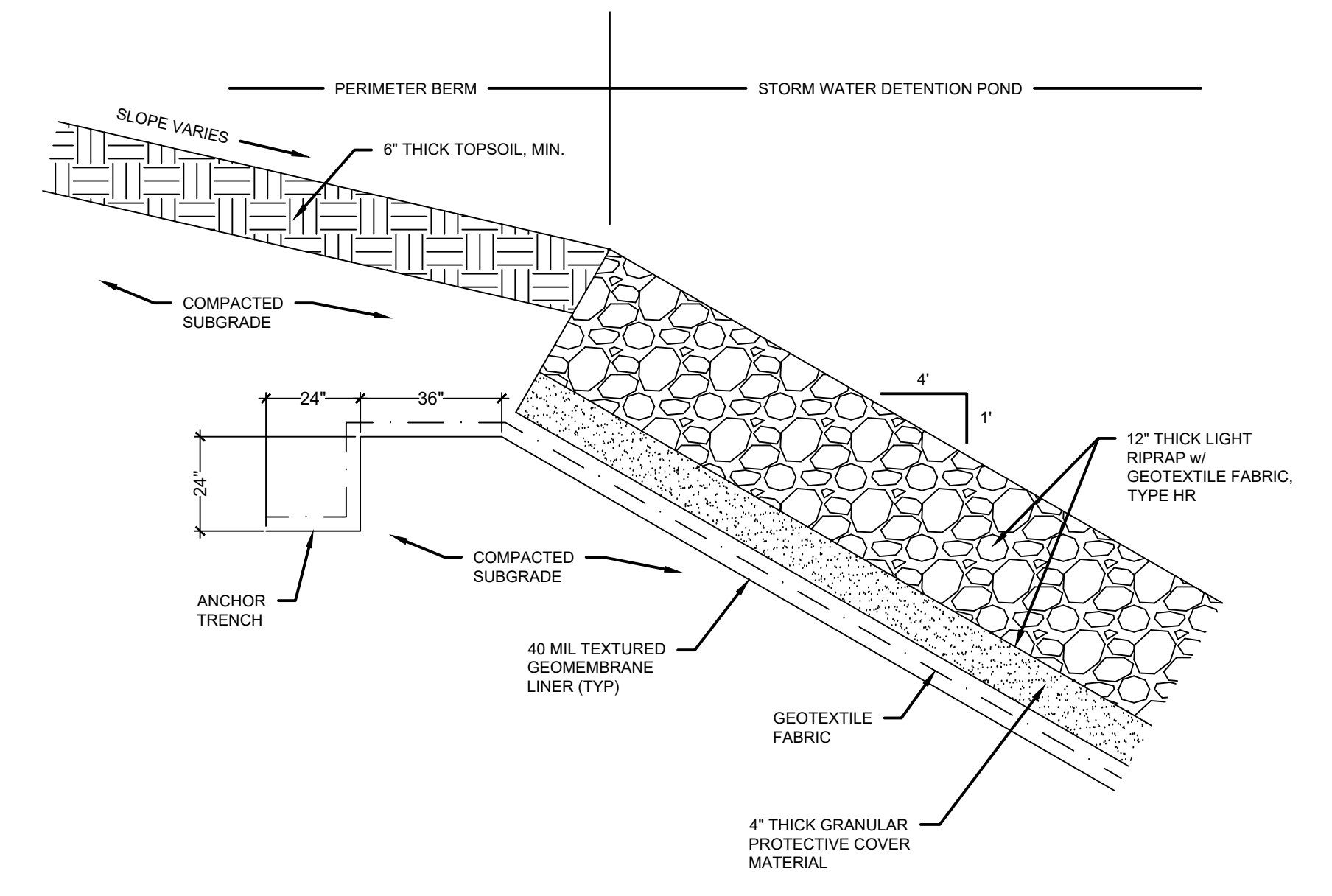
0' 30' 100' 150'



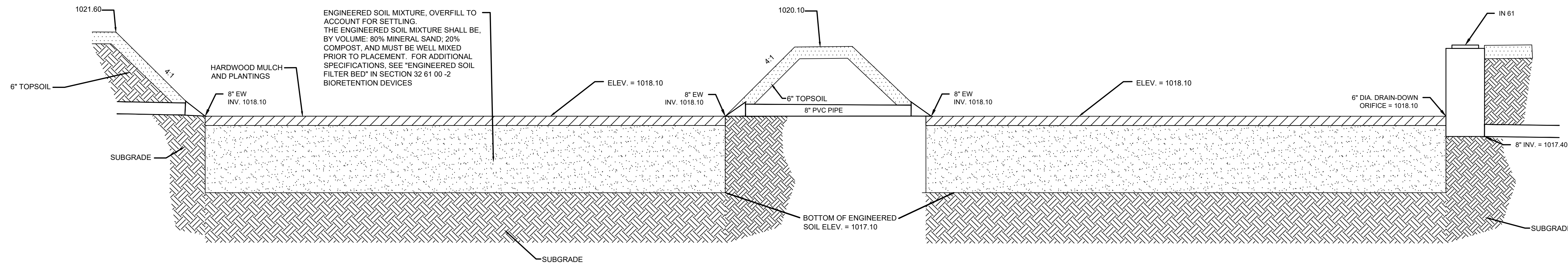
1. HDPE LINED WET POND



2. SYNTHETIC POND LINER FLAP TYPE VENT



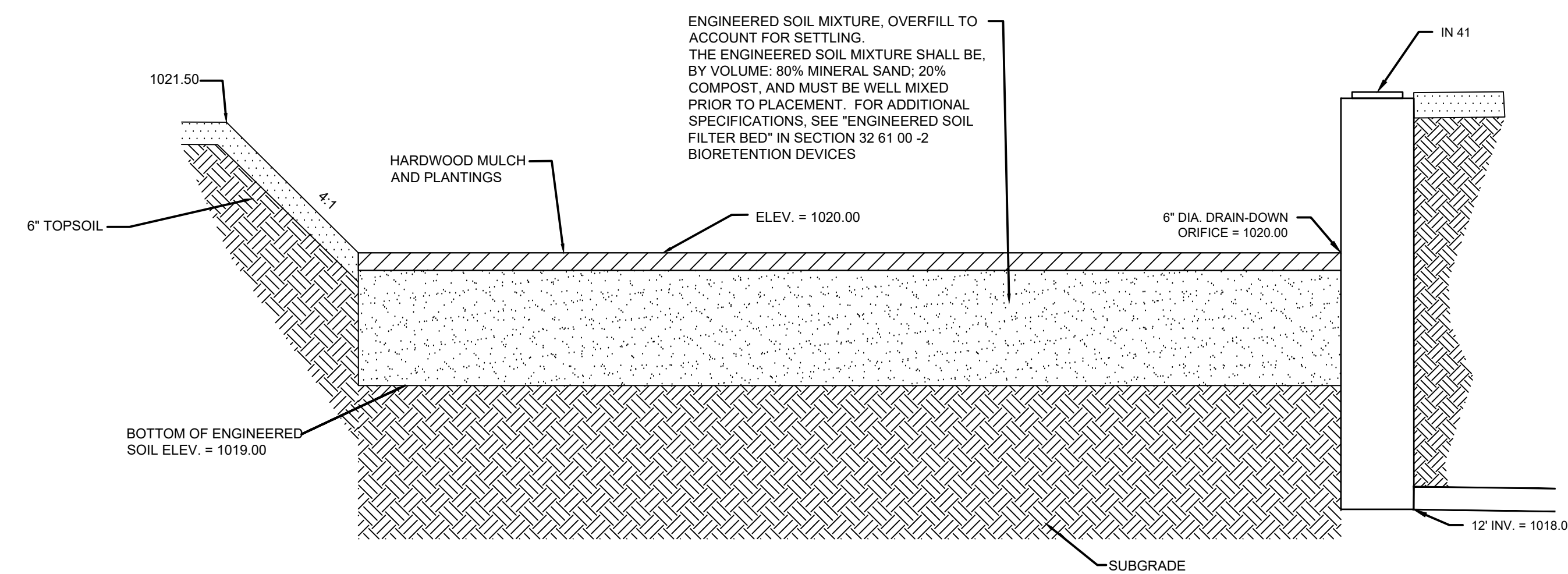
3. SYNTHETIC POND LINER PERIMETER ANCHOR TRENCH



LONGITUDINAL CROSS SECTION

NOTES:
1. OVER-EXCAVATE BOTTOM OF INFILTRATION BASINS 5' DOWN TO NATIVE SOIL WITH INFILTRATION RATE OF 0.5 IN/HR WITHIN THE BOTTOM CONTOUR OF EACH INFILTRATION BASIN. TEST AND CONFIRM INFILTRATION RATE IS GREATER THAN 0.5 IN/HR WITHIN THE BOTTOM CONTOUR OF EACH INFILTRATION BASIN PRIOR TO SEEDING.

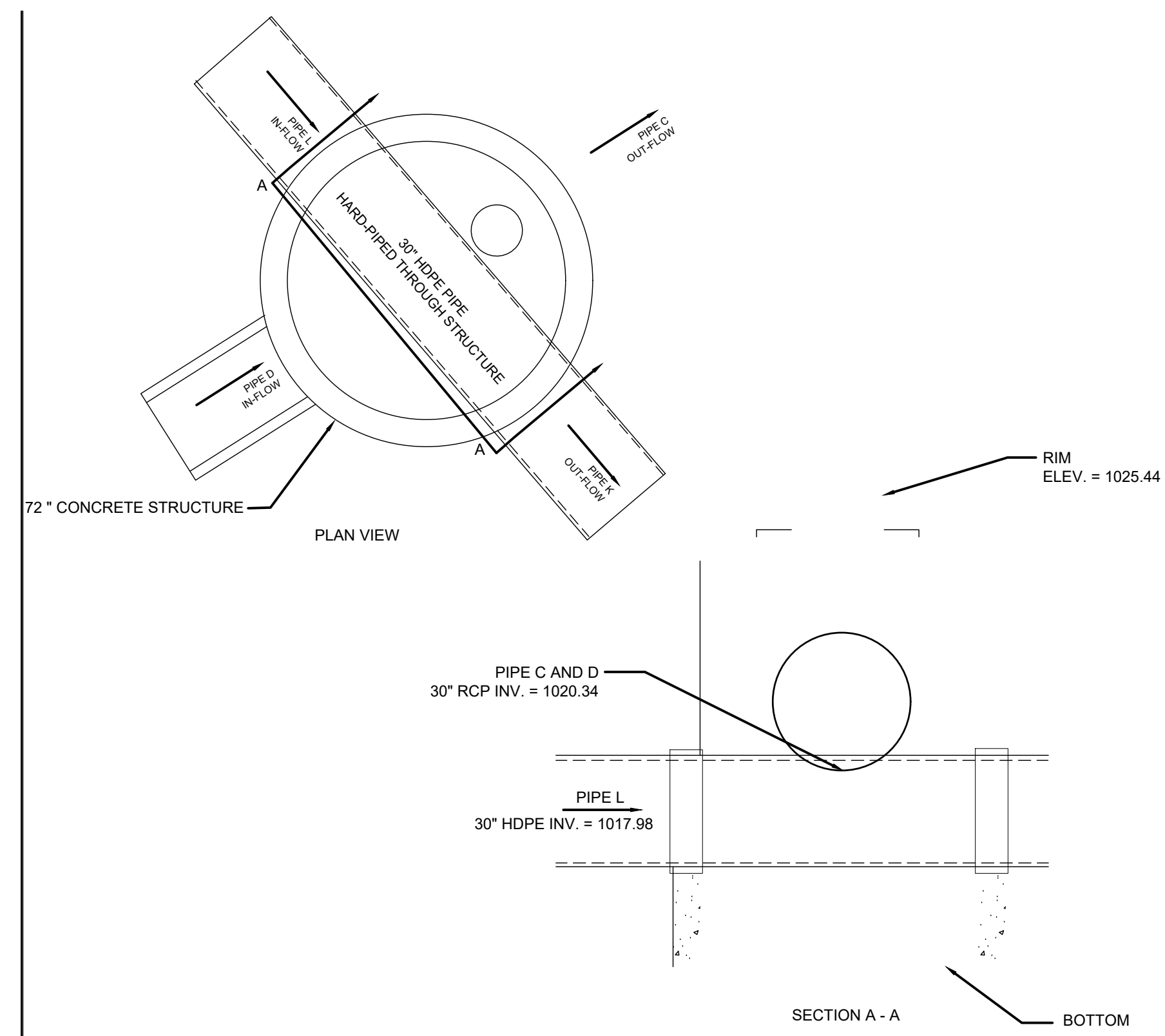
4. INFILTRATION BASIN 1



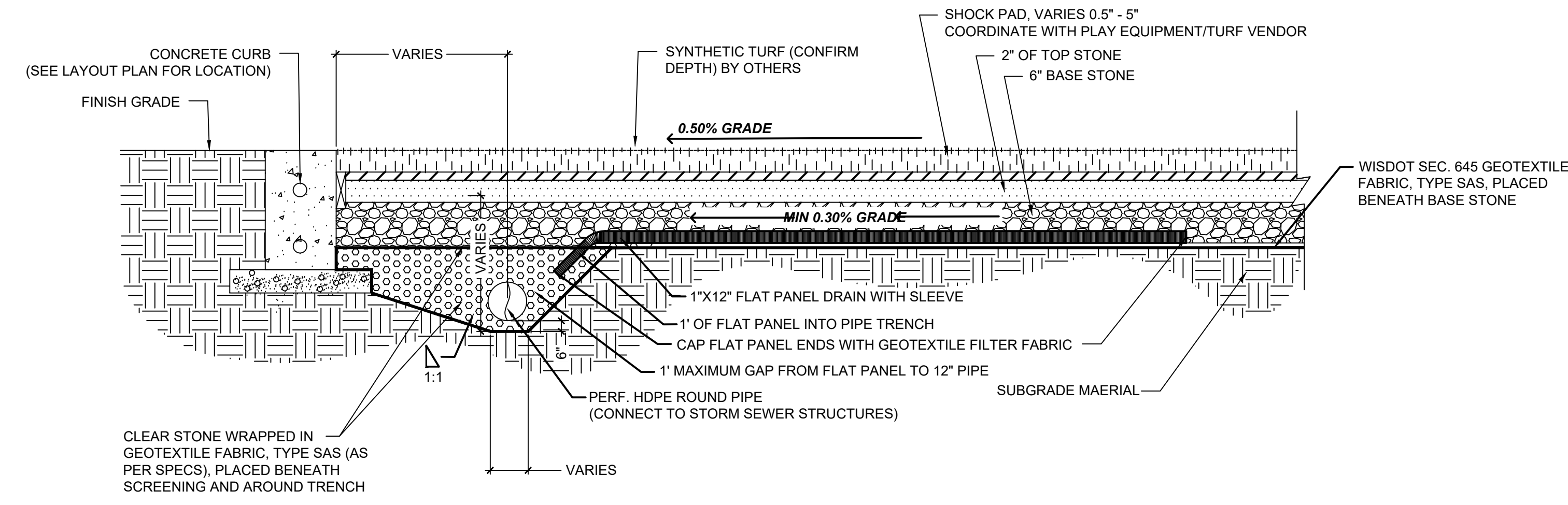
LONGITUDINAL CROSS SECTION

NOTES:
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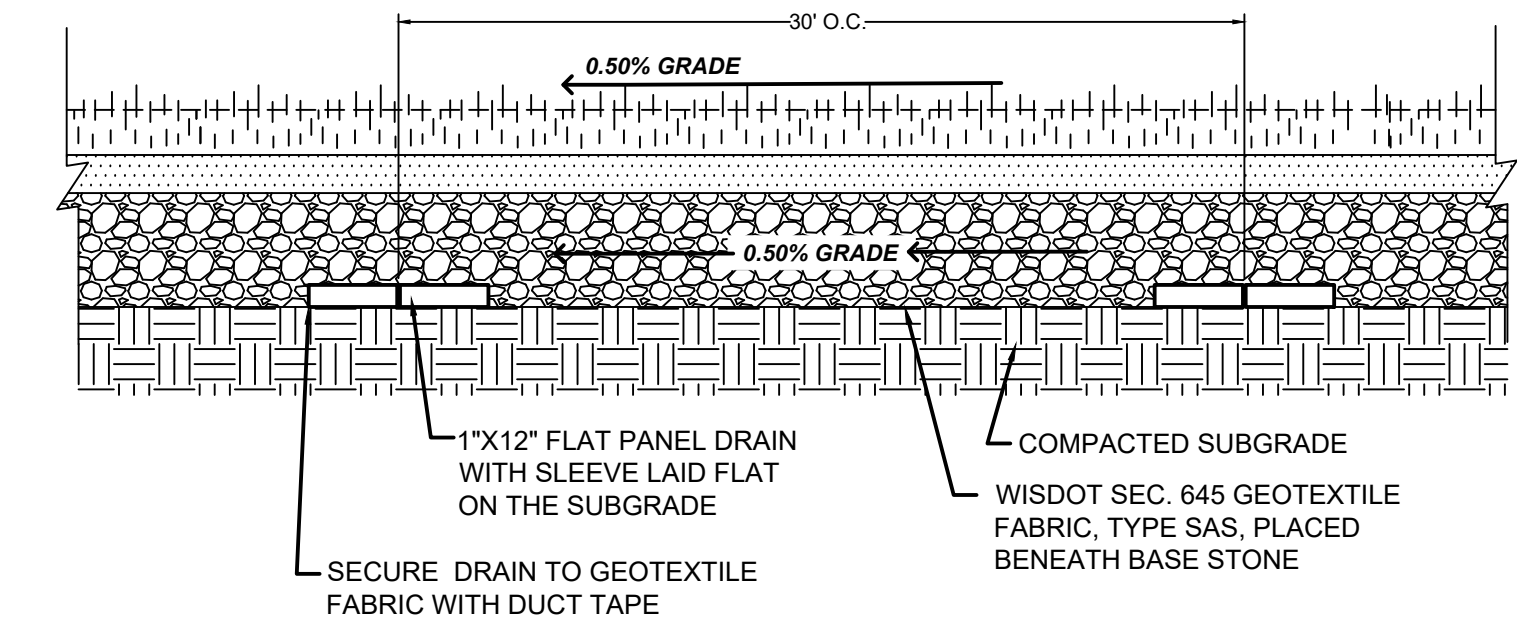
5. INFILTRATION BASIN 2



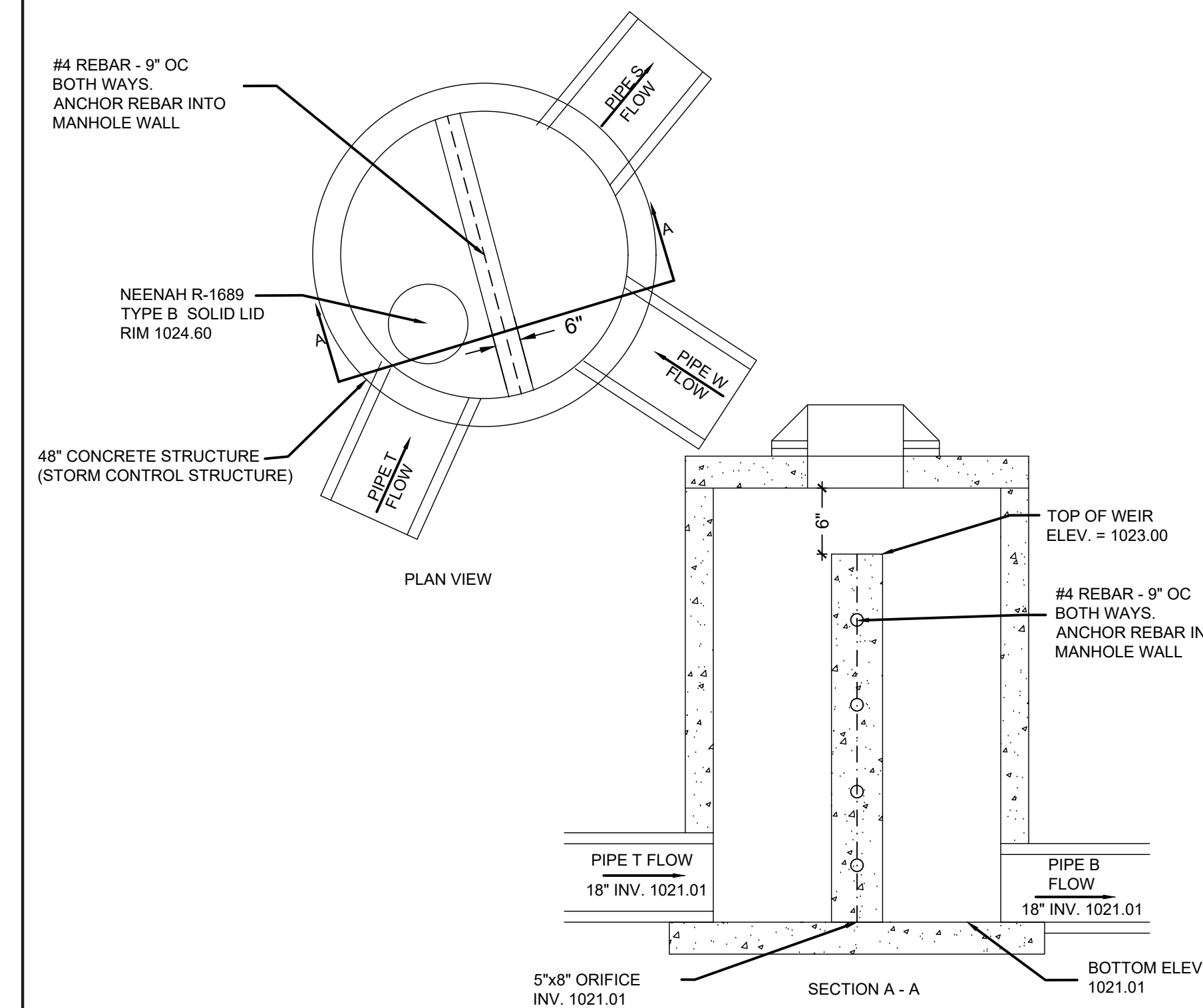
1. CONFLICT STRUCTURE ST-4



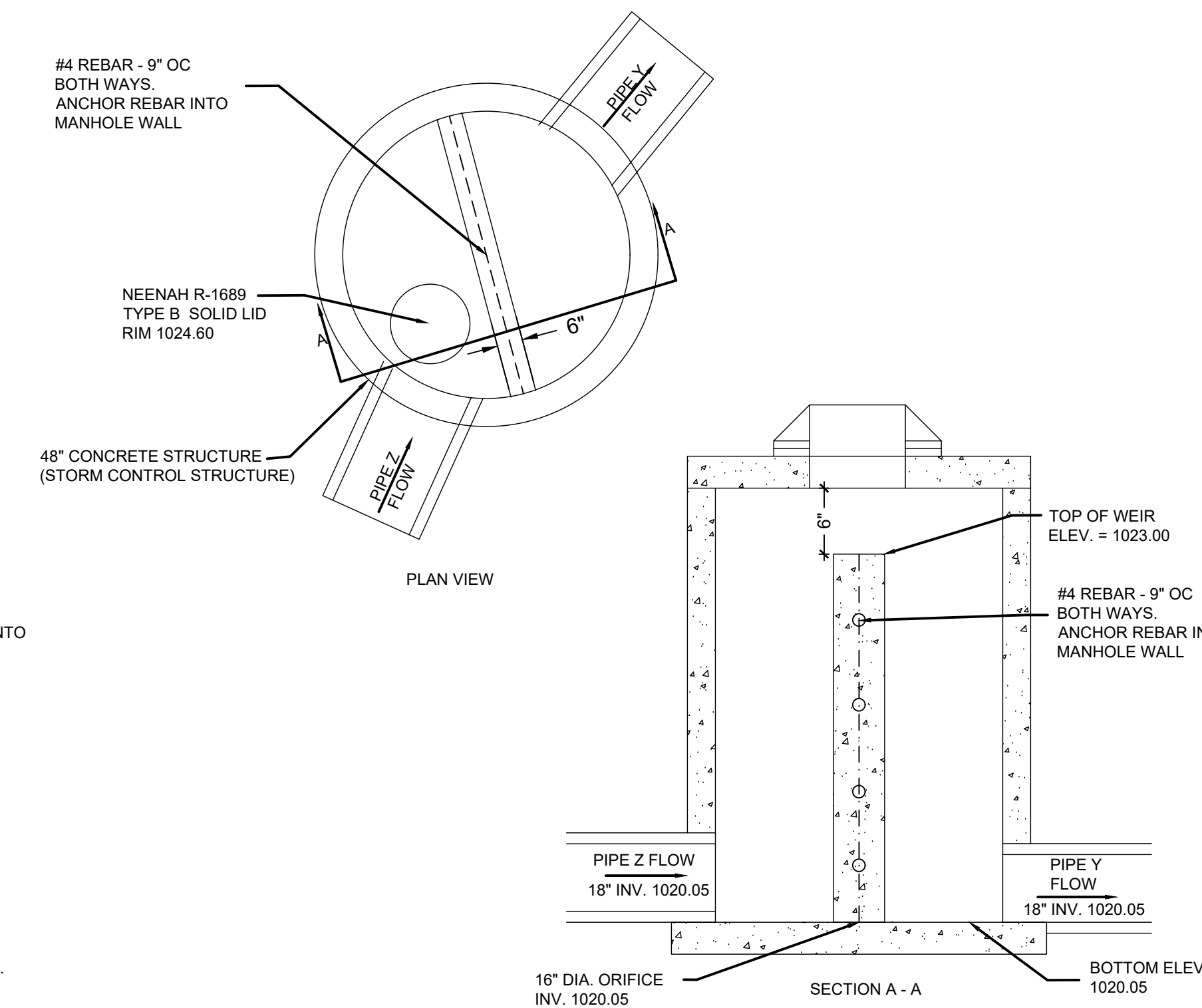
2. SYNTHETIC TURF - PERFORATED STORM PIPE UNDERDRAIN CONNECTION



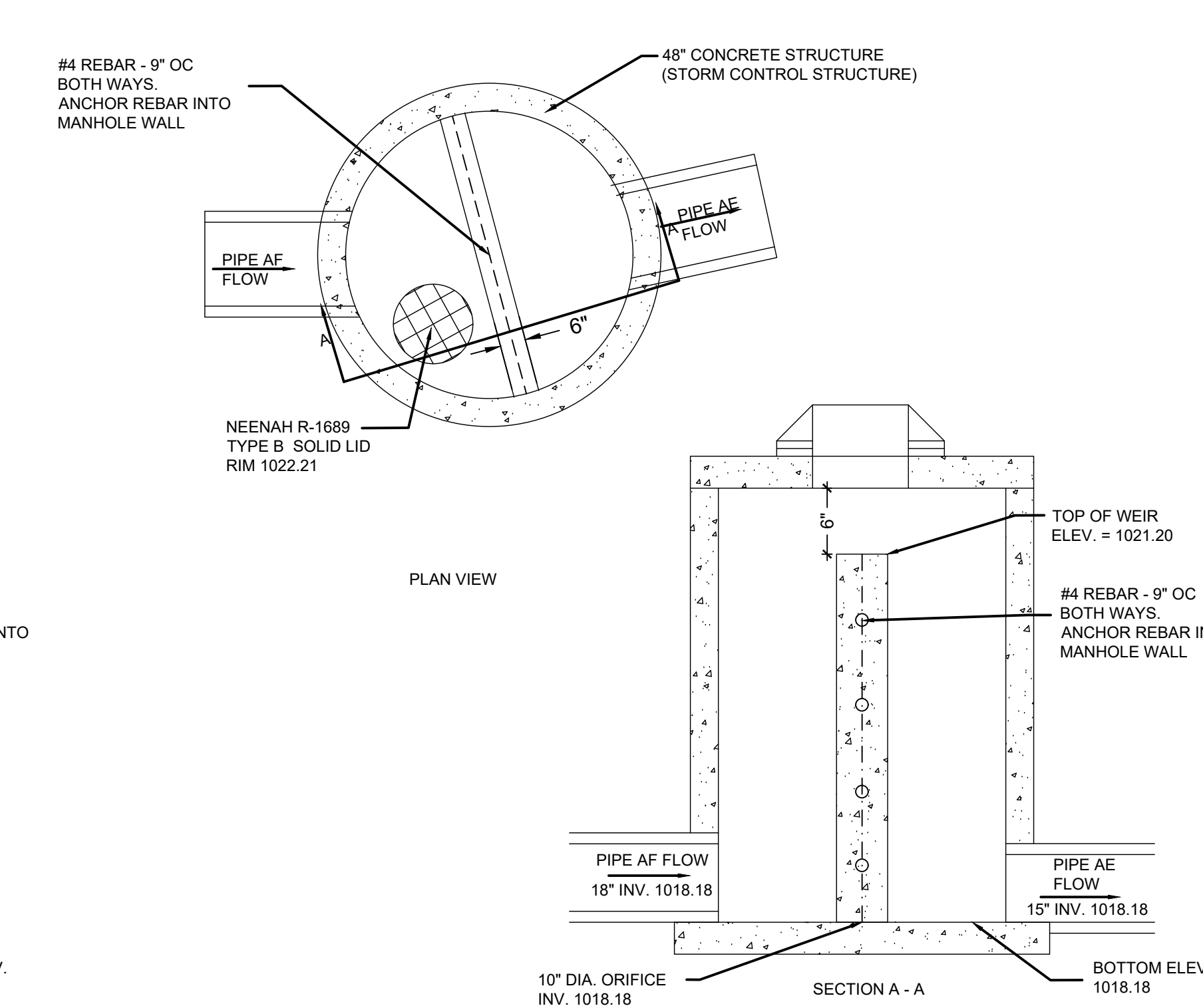
3. 1" x 12" FLAT PANEL DRAIN WITH SOCK



4. STORM CONTROL MANHOLE ST 20



5. STORM CONTROL MANHOLE ST 24



6. STORM CONTROL MANHOLE ST 29

ATHLETIC & WELLNESS CAMPUS

EDGEWOOD COLLEGE

ARCHITECTURE DESIGN REVIEW

Kahler Slater  **RETTLER**
corporation

03/17/2025

OVERALL
ATHLETIC COMPLEX

BUILDING 05
VISITOR DUGOUT

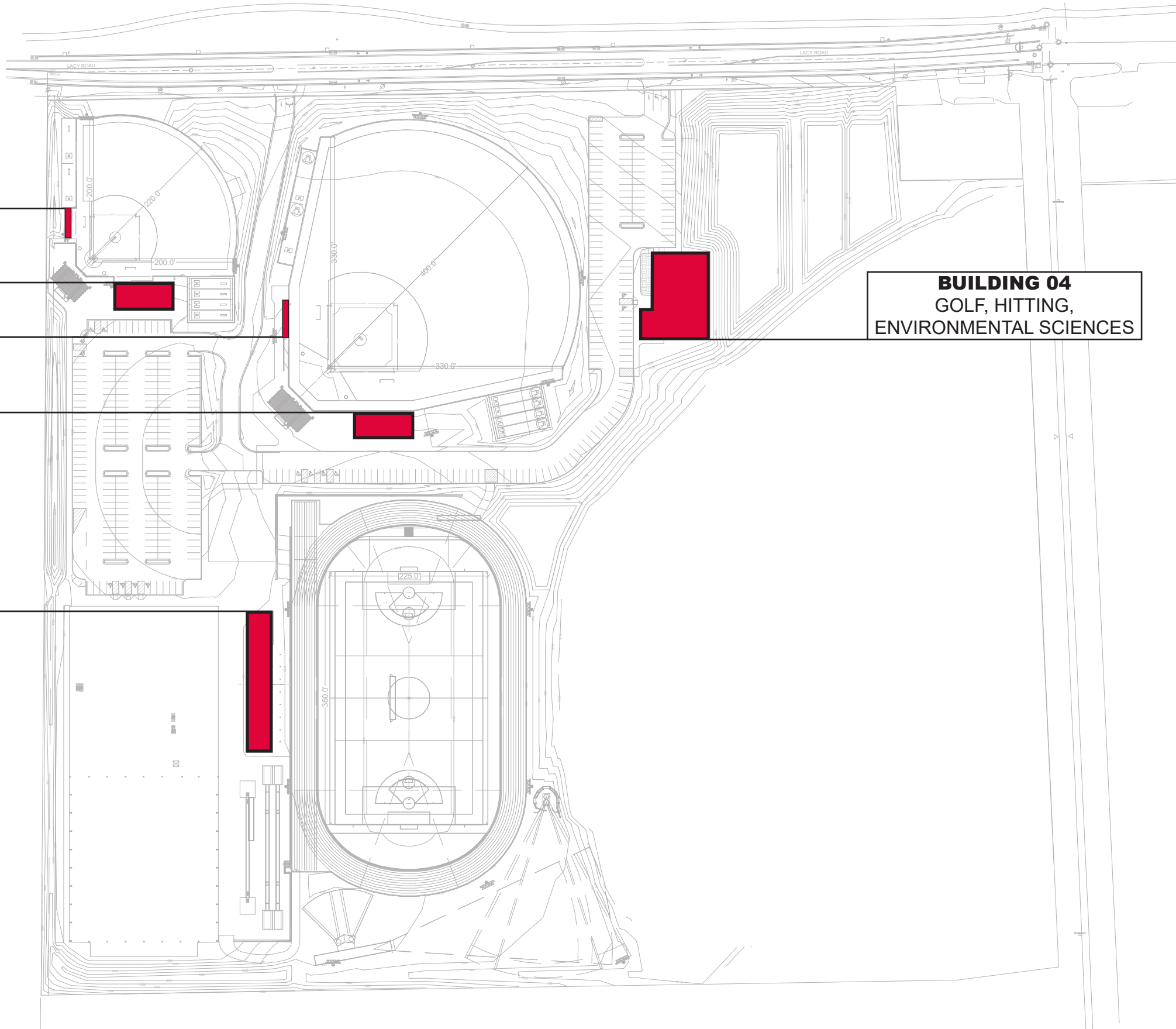
BUILDING 02
SOFTBALL FACILITY

BUILDING 06
VISITOR DUGOUT

BUILDING 03
BASEBALL FACILITY

BUILDING 01
GRANDSTAND

BUILDING 04
GOLF, HITTING,
ENVIRONMENTAL SCIENCES



1"=160'-0"

GRANDSTAND

BUILDING 01

Overall Building Size:

200' x 33'-6"

Construction Type:

Structural Steel and Load-bearing CMU

Foundation Type:

Slab on Grade

Number of Levels:

1 Level, plus pressbox

Exterior Materials:

Burnished Block

BOD: Insultech Prefabricated Insulated Concrete Masonry Unity

Color: Speckled Frost

Metal Wall Panel 01:

BOD: Morin Matrix Series

Color: Medium Bronze

Metal Wall Panel 02:

BOD: Morin Matrix Series

Color: Cityscape

Roof Type:

Shed (SS):

BOD: Morin SYM Series

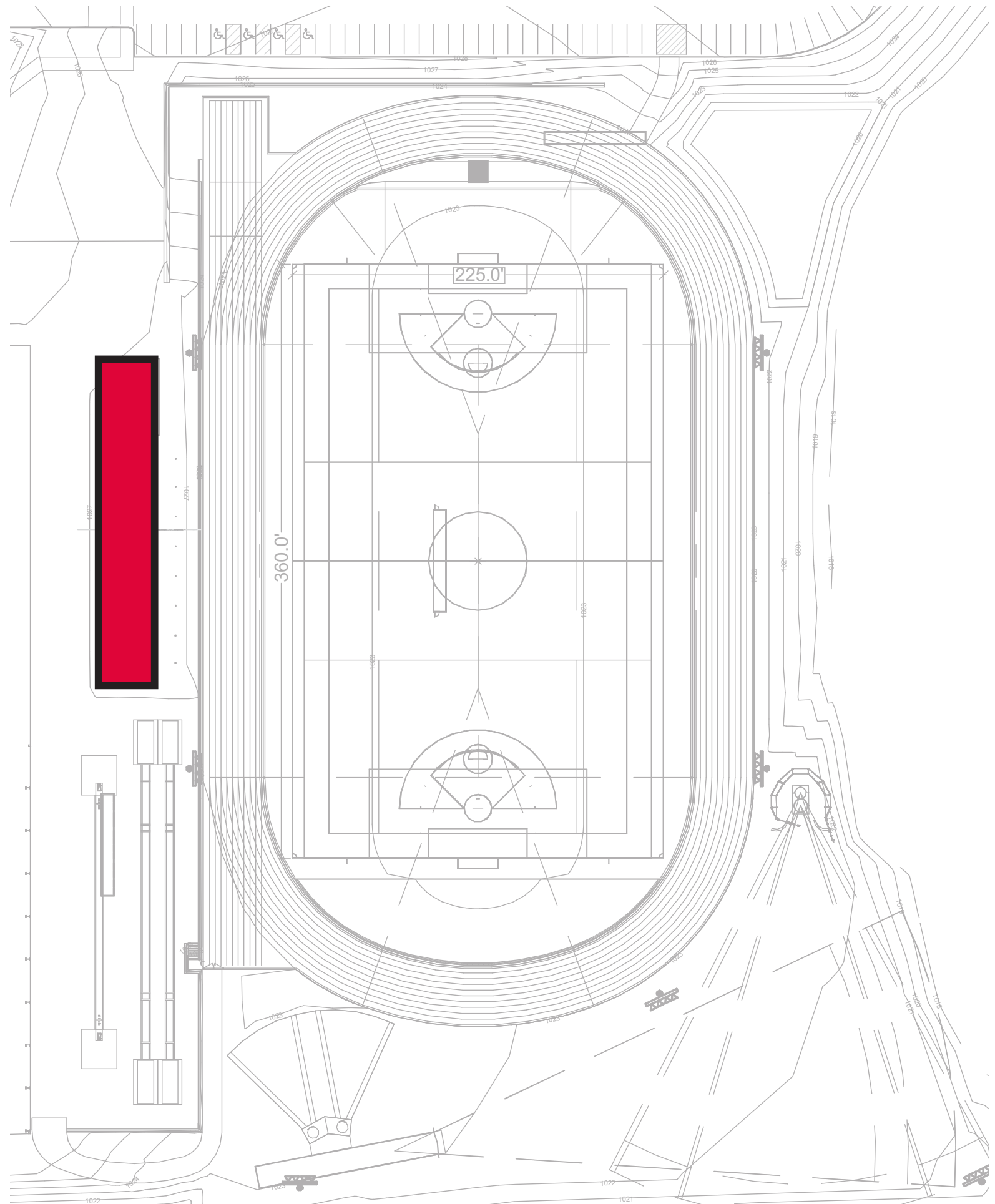
Color: Medium Bronze

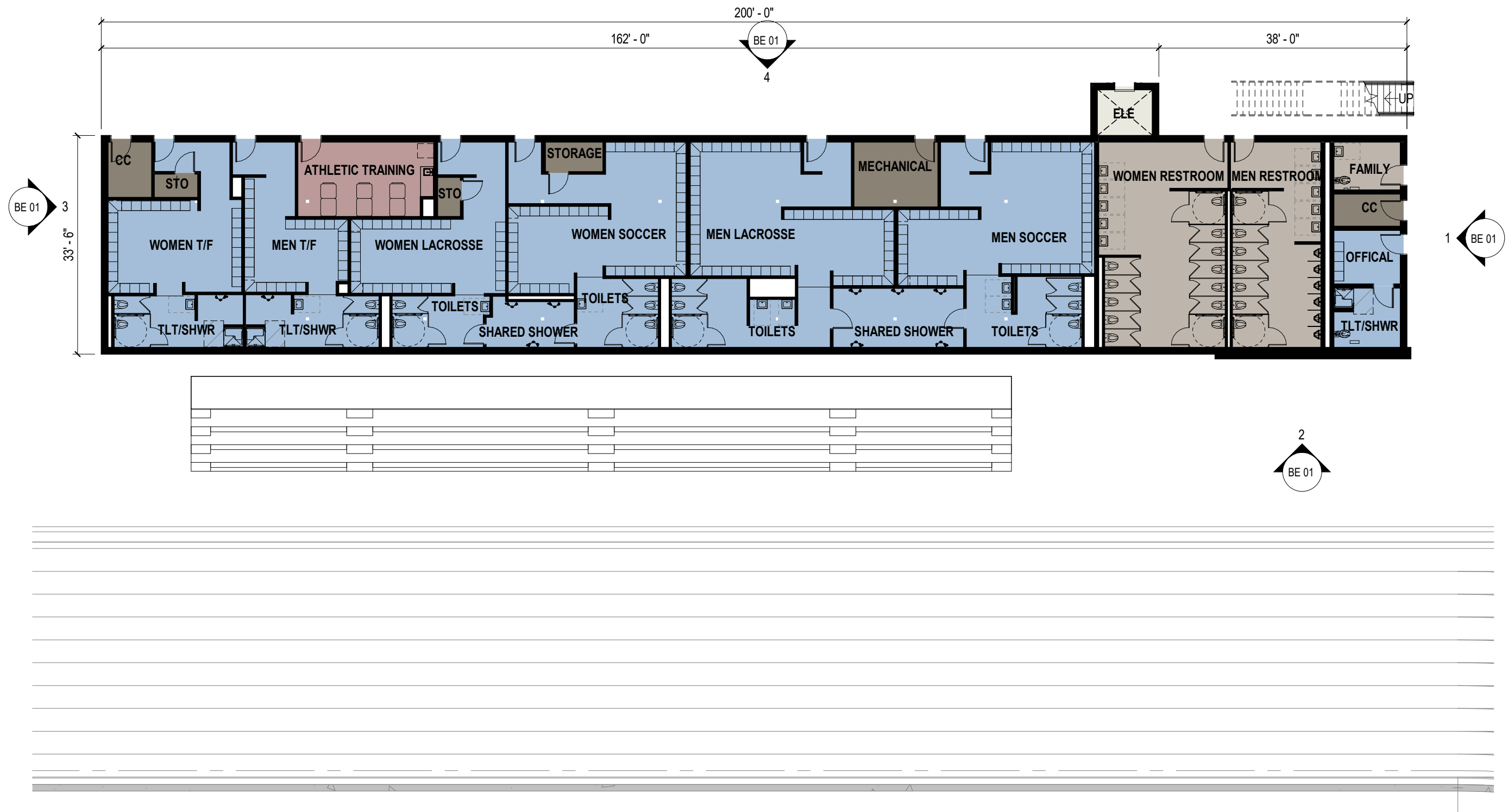
Flat:

BOD: EPDM

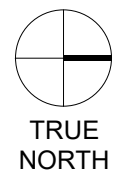
Fire Protection:

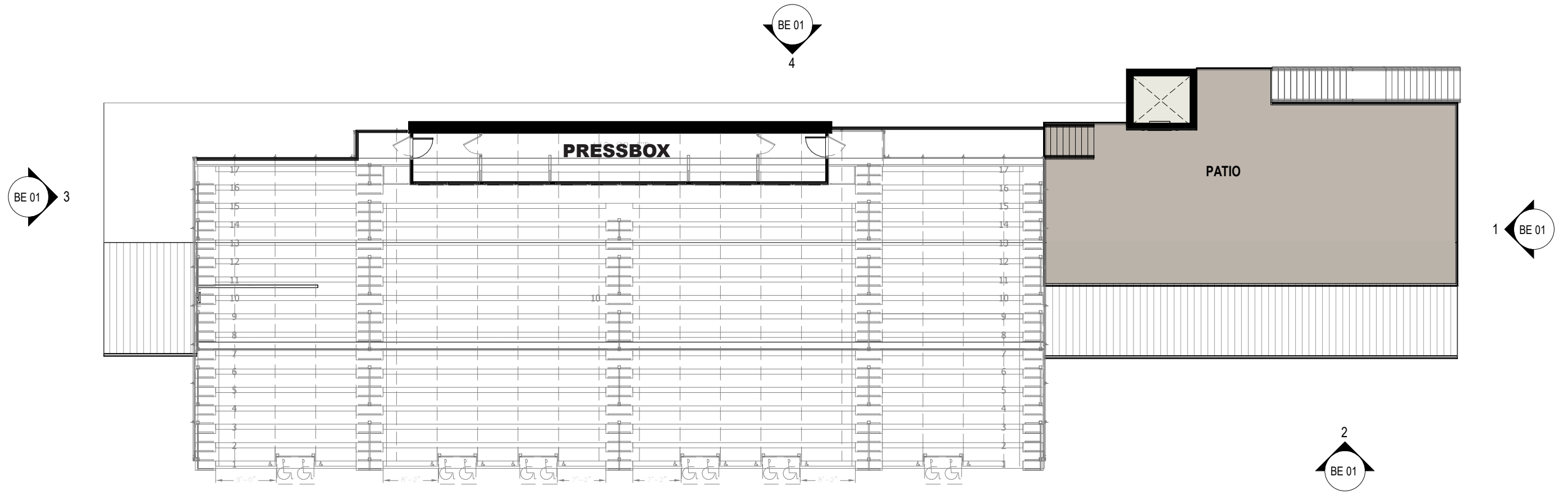
No



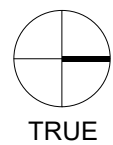


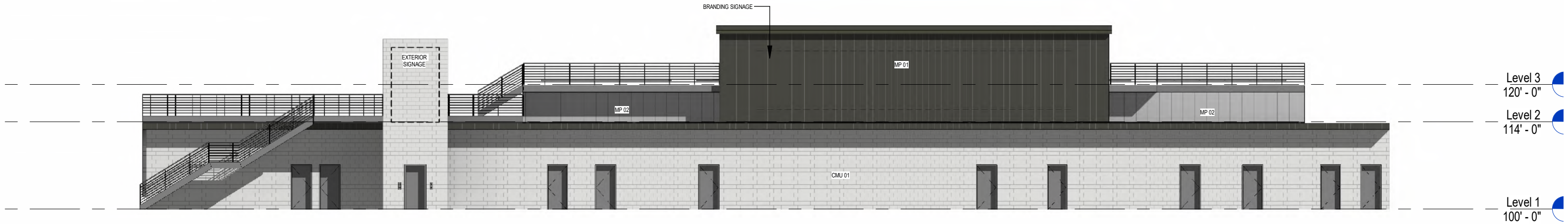
1 BUILDING 01 - GRANDSTAND
1/16" = 1'-0"



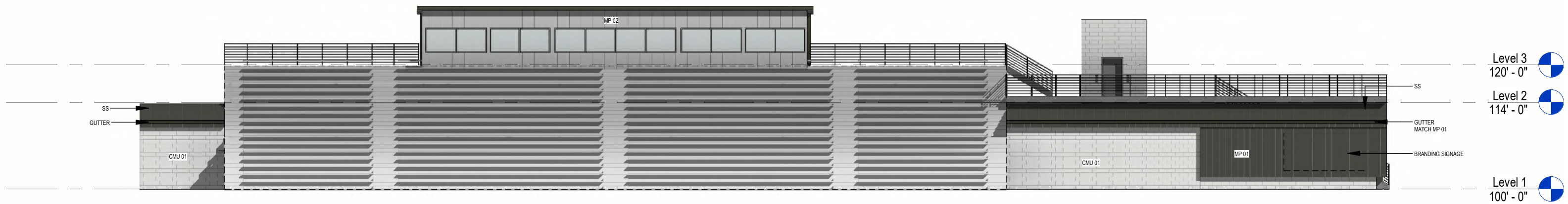


1 BUILDING 01 - PRESSBOX
1/16" = 1'-0"

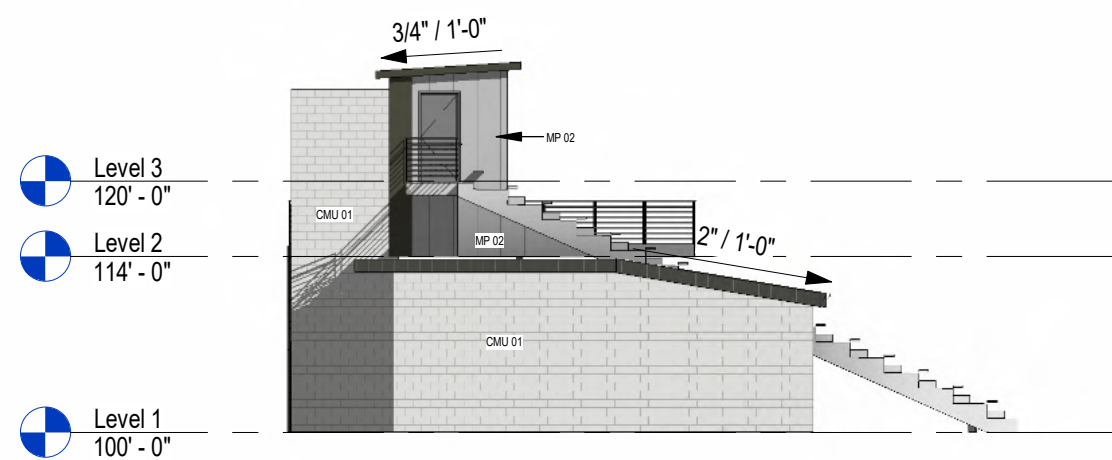




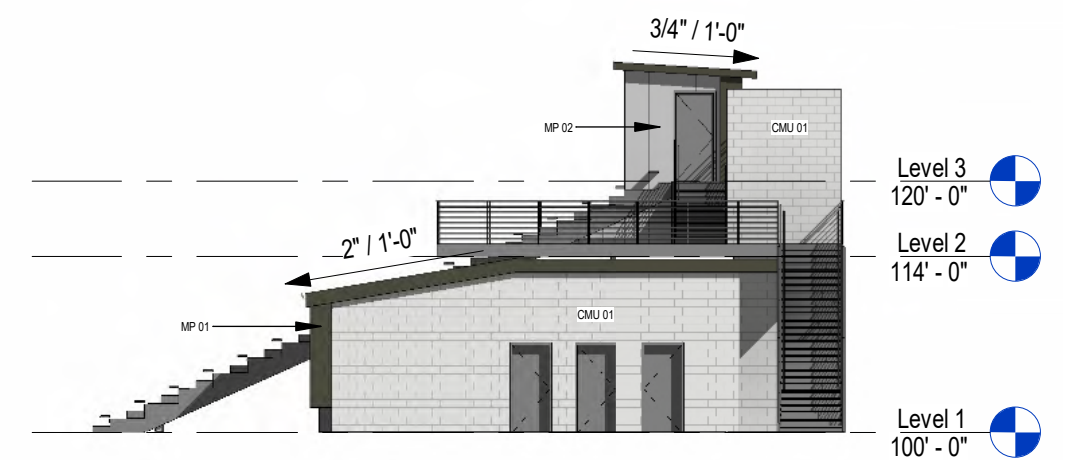
4 GRANDSTAND - WEST ELEVATION
1/16" = 1'-0"



2 GRANDSTAND - EAST ELEVATION
1/16" = 1'-0"



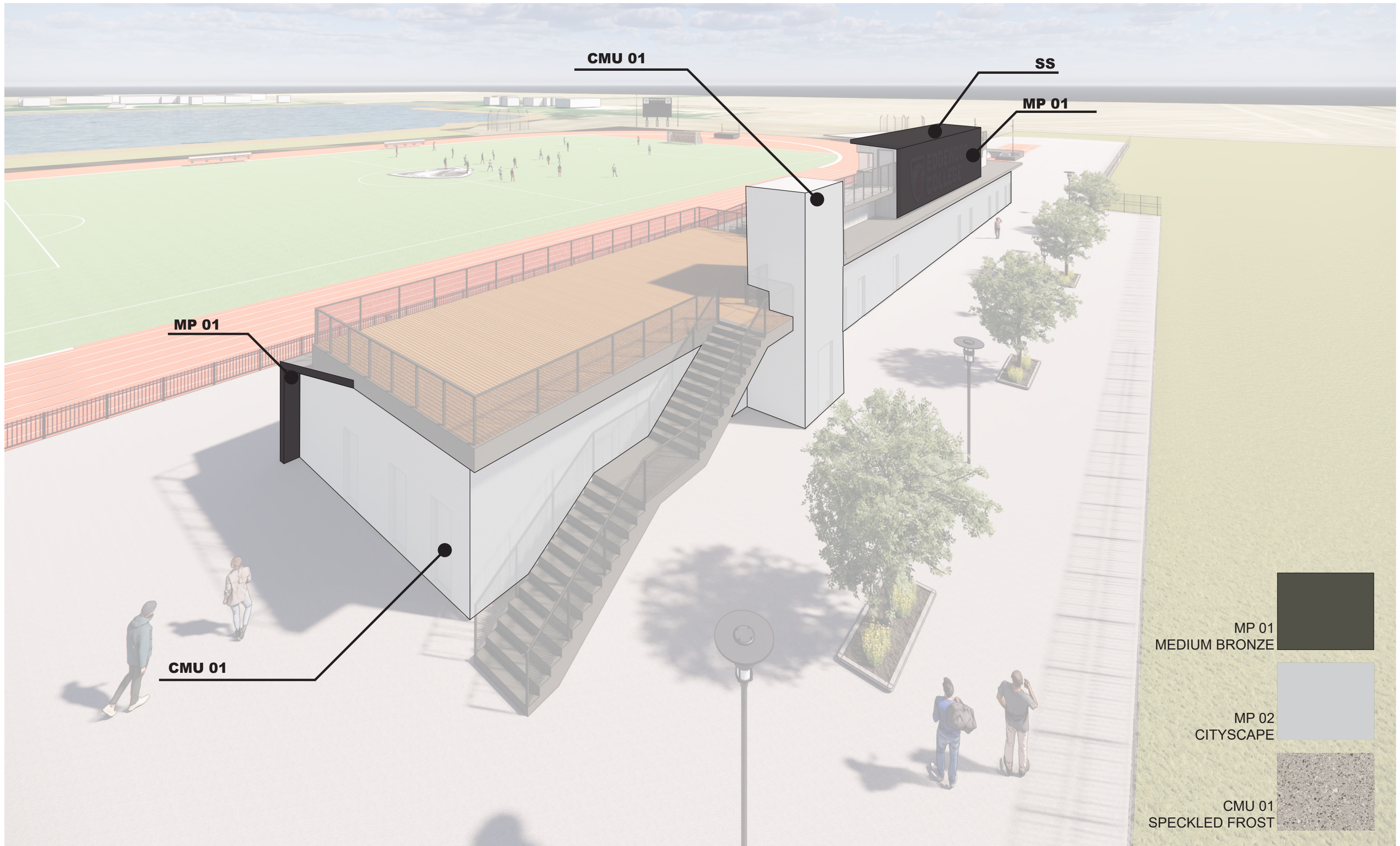
3 GRANDSTAND - SOUTH ELEVATION
1/16" = 1'-0"



1 GRANDSTAND - NORTH ELEVATION
1/16" = 1'-0"



BUILDING 01 | VIEW FROM PLAZA



CMU 01

SS

MP 01

MP 01

CMU 01

MP 01
MEDIUM BRONZE

MP 02
CITYSCAPE

CMU 01
SPECKLED FROST



BUILDING 01 | VIEW FROM TRACK

SOFTBALL TRAINING CENTER

BUILDING 02

Overall Building Size:

83'-4" x 38'-8"

Construction Type:

Structural Steel and Load-bearing CMU

Foundation Type:

Slab on Grade

Number of Levels:

1 Level

Exterior Materials:

Burnished Block

BOD: Insultech Prefabricated Insulated Concrete Masonry Unity

Color: Speckled Frost

Metal Wall Panel 01:

BOD: Morin Matrix Series

Color: Medium Bronze

Metal Wall Panel 02:

BOD: Morin Matrix Series

Color: Cityscape

Roof Type:

Shed:

BOD: Morin SYM Series

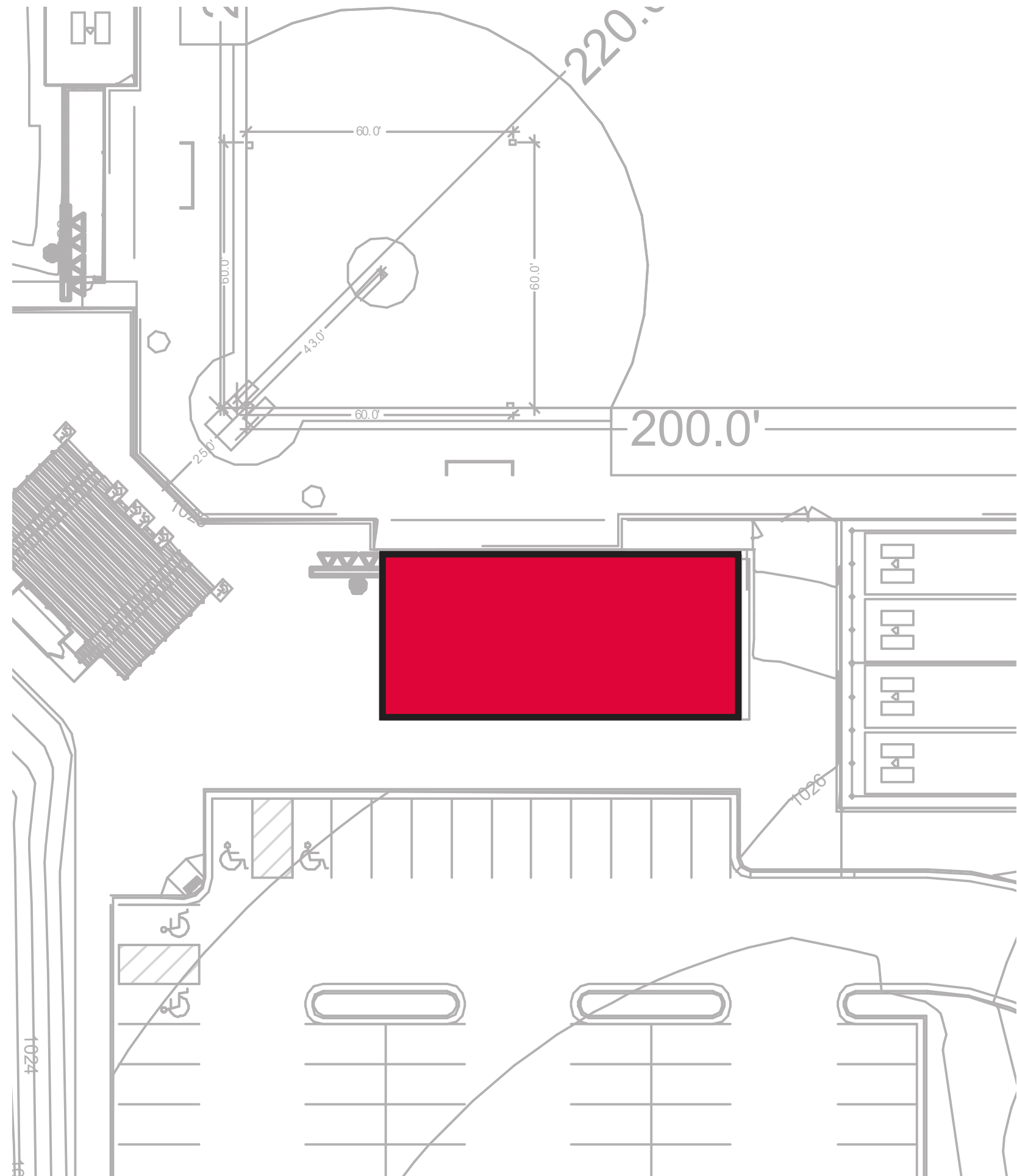
Color: Medium Bronze

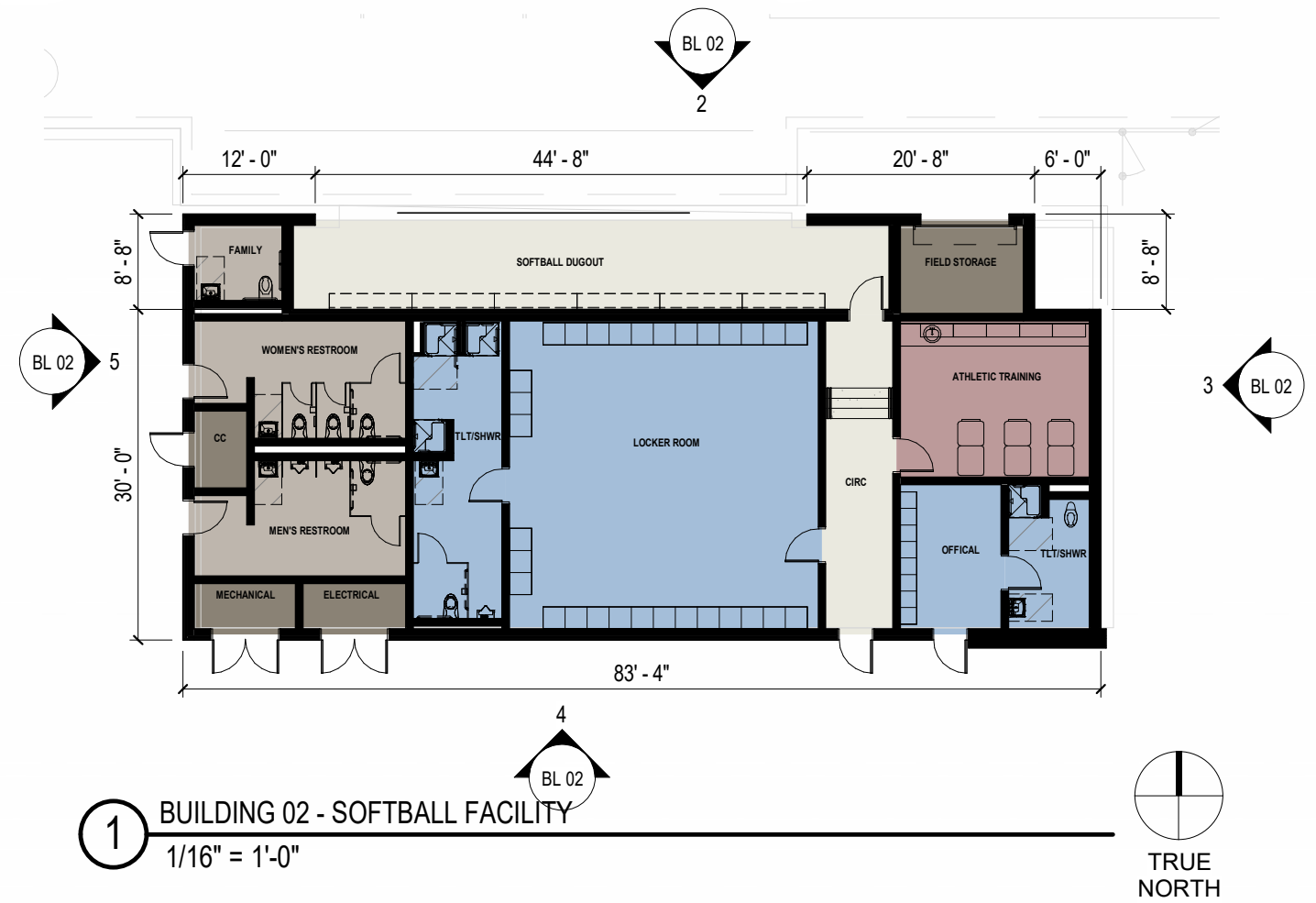
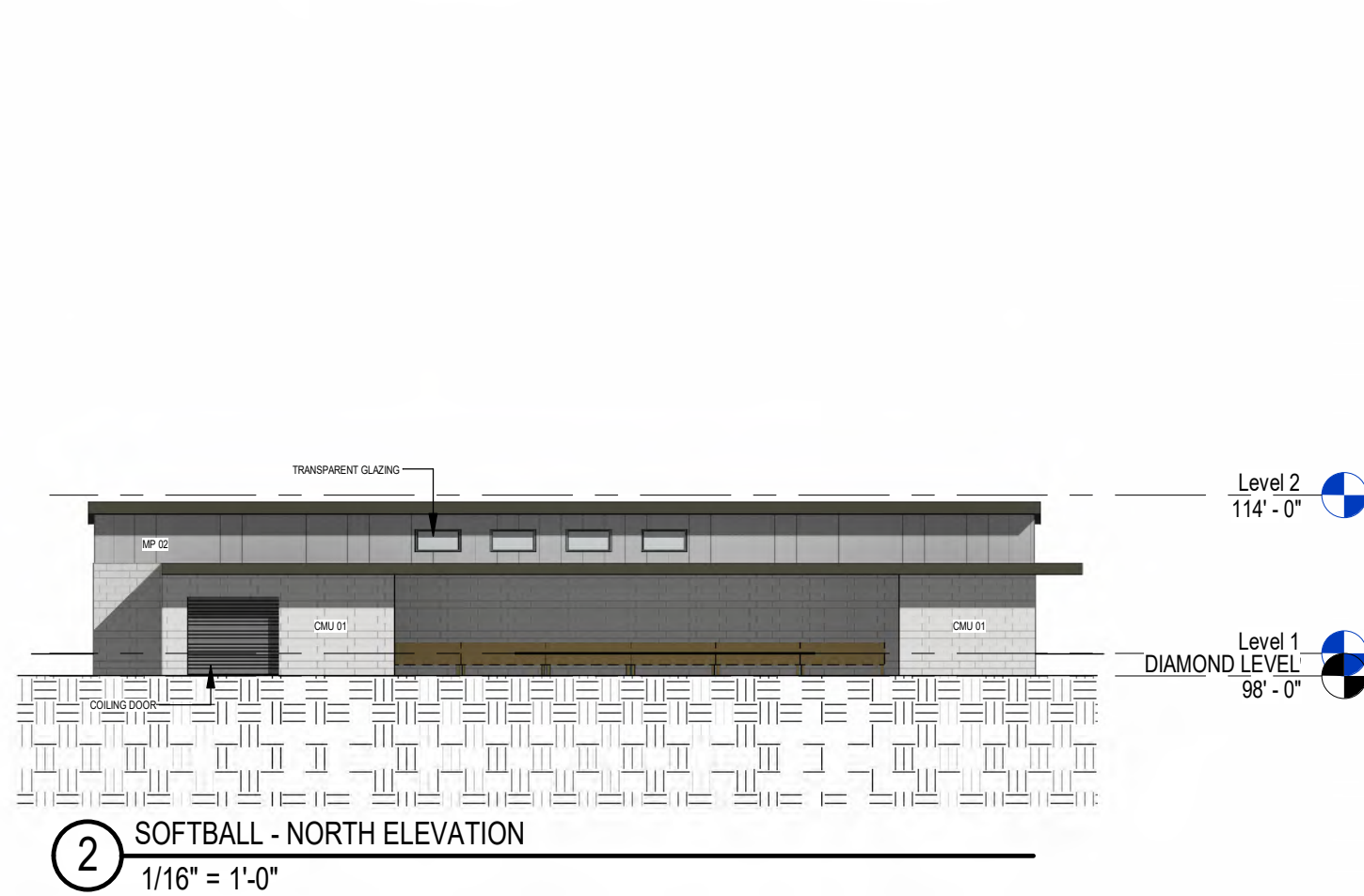
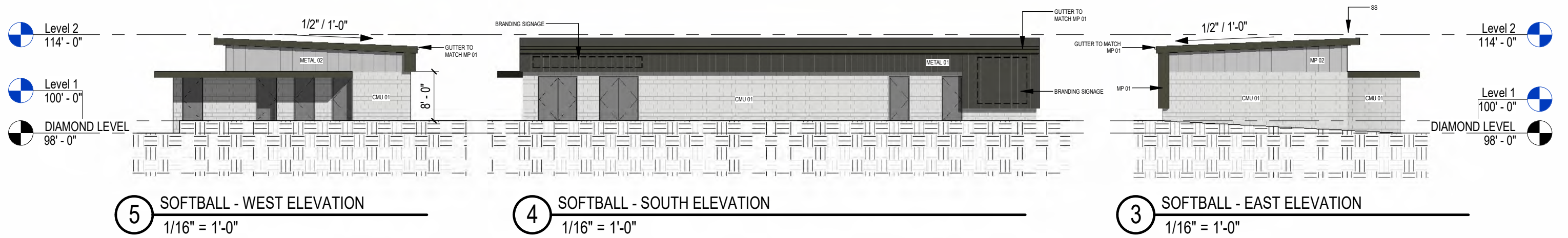
Flat:

BOD: EPDM

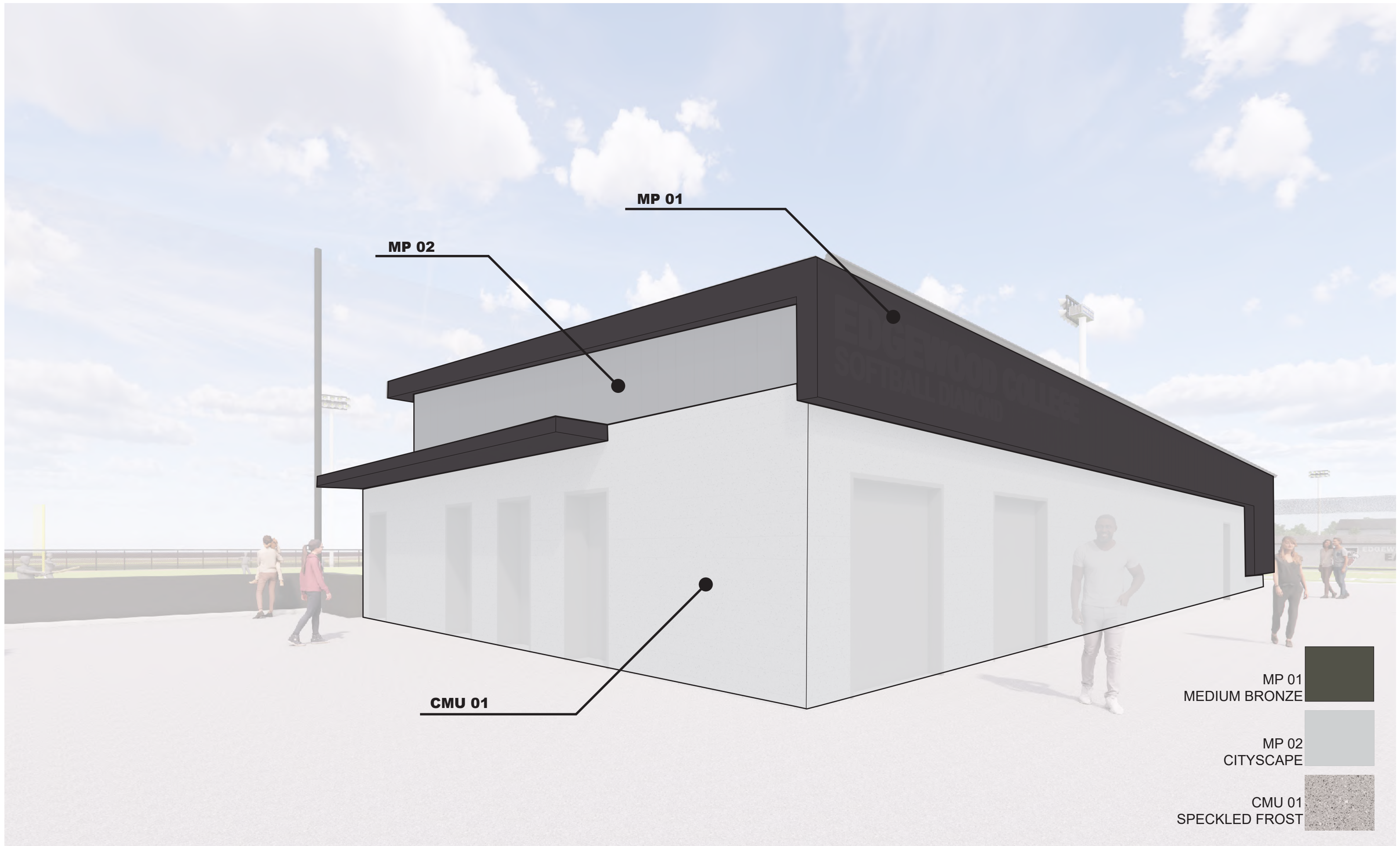
Fire Protection:

No











BASEBALL TRAINING CENTER

BUILDING 03

Overall Building Size:

84'-8" x 39'-4"

Construction Type:

Structural Steel and Load-bearing CMU

Foundation Type:

Slab on Grade

Number of Levels:

1 Level

Exterior Materials:

Burnished Block

BOD: Insultech Prefabricated Insulated Concrete Masonry Unity

Color: Speckled Frost

Metal Wall Panel 01:

BOD: Morin Matrix Series

Color: Medium Bronze

Metal Wall Panel 02:

BOD: Morin Matrix Series

Color: Cityscape

Roof Type:

Shed:

BOD: Morin SYM Series

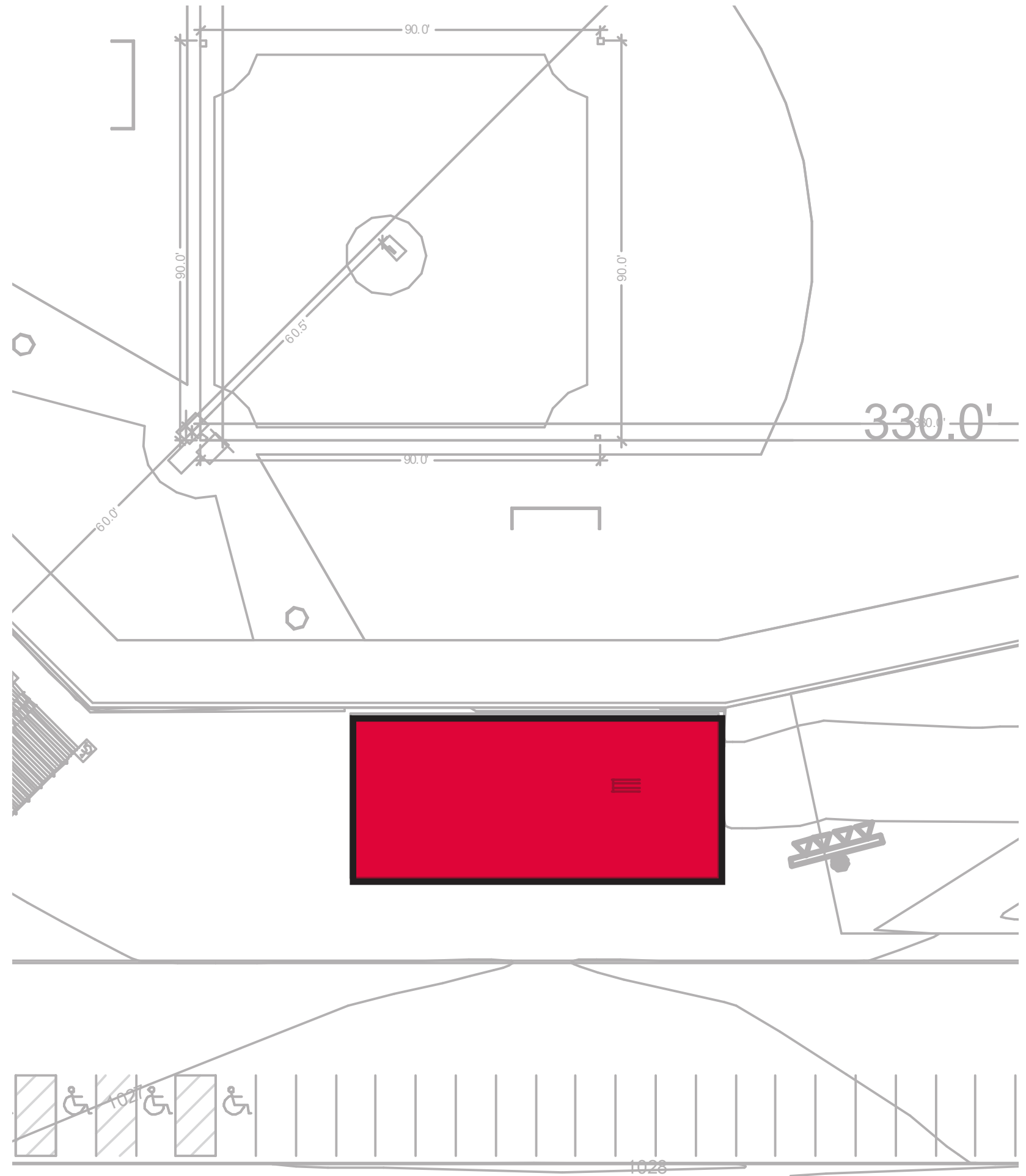
Color: Medium Bronze

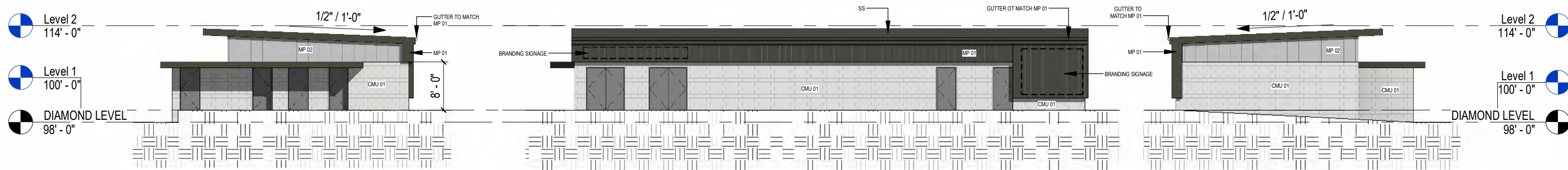
Flat:

BOD: EPDM

Fire Protection:

No

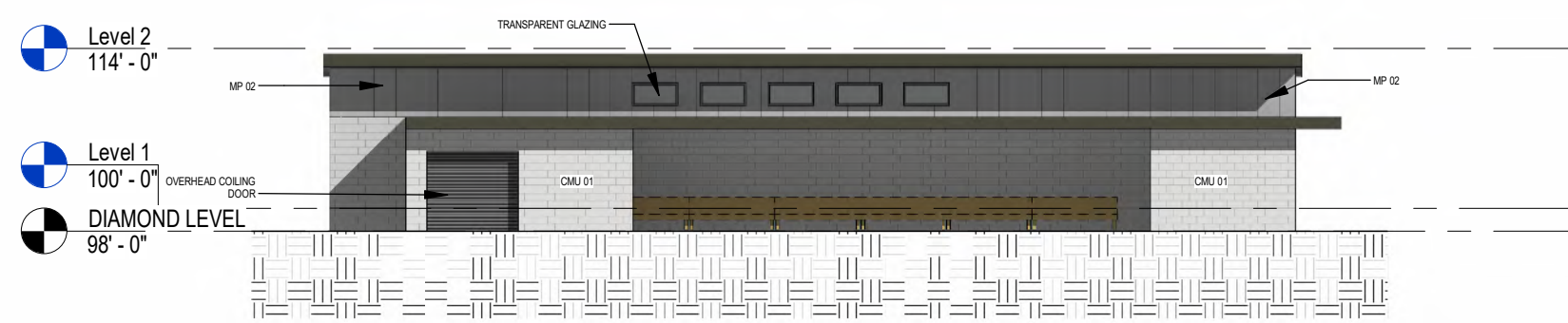




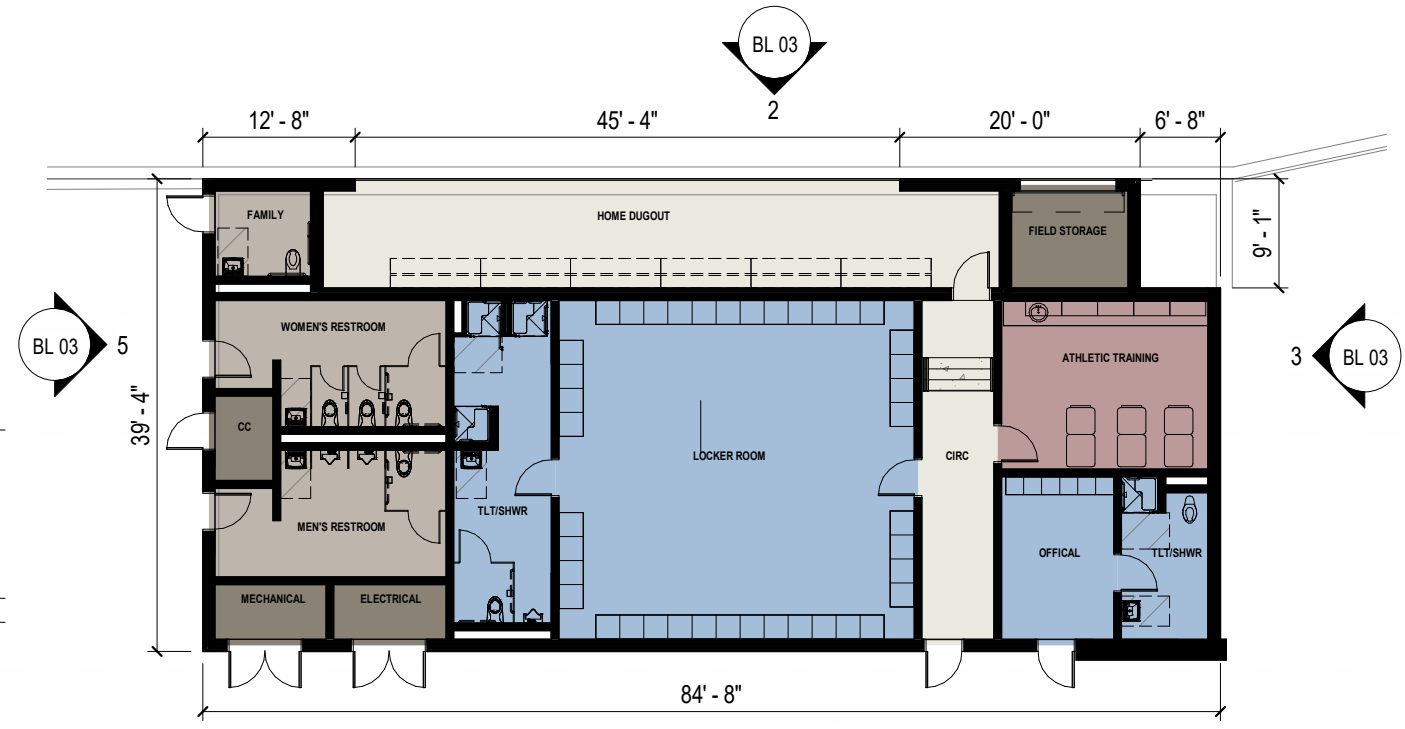
5 BASEBALL - WEST ELEVATION
1/16" = 1'-0"

4 BASEBALL - SOUTH ELEVATION
1/16" = 1'-0"

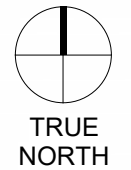
3 BASEBALL - EAST ELEVATION
1/16" = 1'-0"



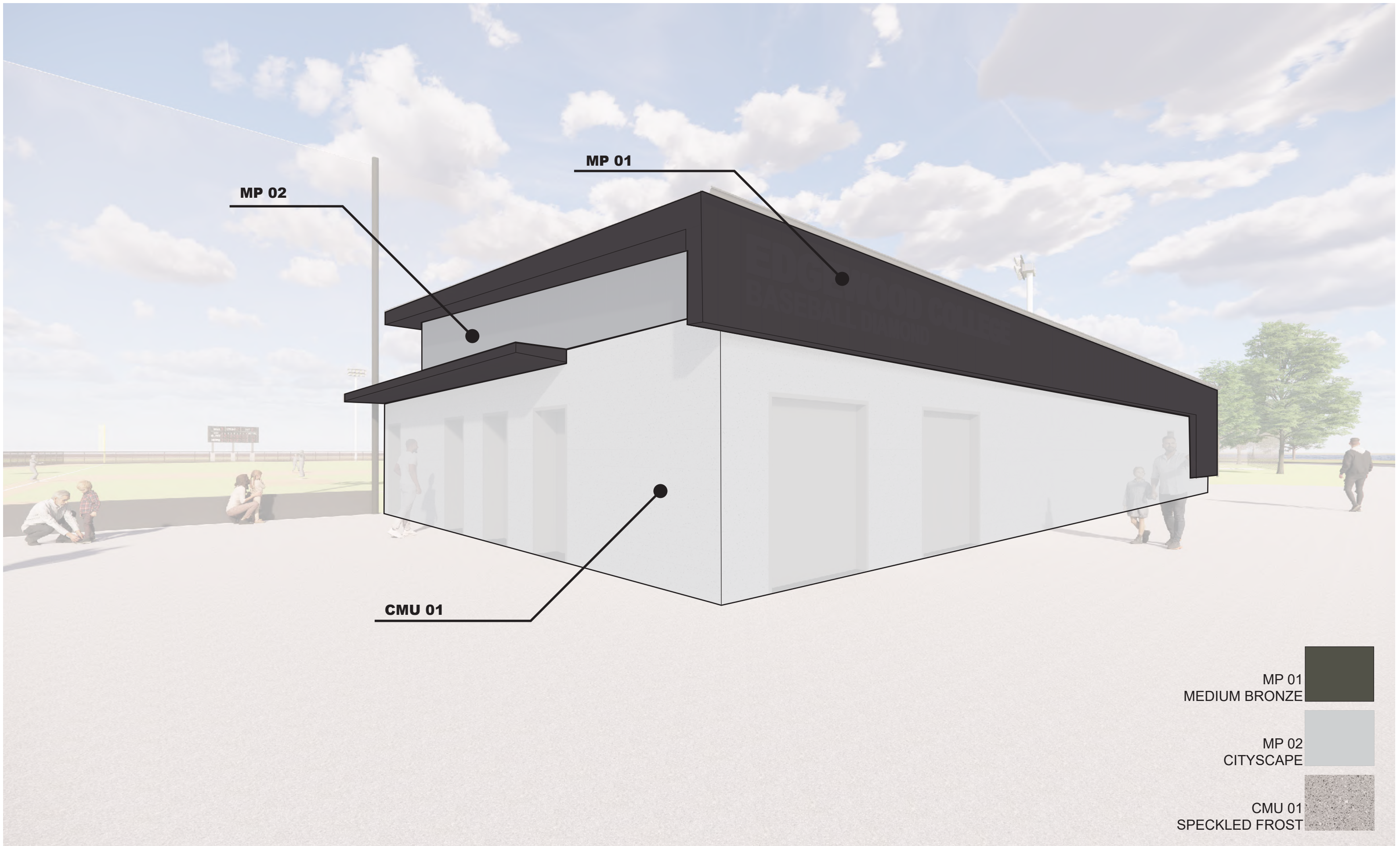
2 BASEBALL - NORTH ELEVATION
1/16" = 1'-0"



1 BUILDING 03 - BASEBALL FACILITY
1/16" = 1'-0"







MP 02

MP 01

CMU 01

MP 01
MEDIUM BRONZE

MP 02
CITYSCAPE

CMU 01
SPECKLED FROST



**GOLF, HITTING,
ENVIRONMENTAL SCIENCES**

BUILDING 04

Overall Building Size:

122'-4" x 98'-6"

Construction Type:

Pre-Engineered Metal Building (PEMB)

Foundation Type:

Slab on Grade

Number of Levels:

1 Level

Exterior Materials:

Burnished Block

BOD: Insultech Prefabricated Insulated Concrete Masonry Unity

Color: Speckled Frost

Insulated Metal Panel 01:

BOD: Kingspan QuadCore

Color: Medium Bronze

Insulated Metal Panel 02:

BOD: Kingspan QuadCore

Color: Cityscape

Roof Type:

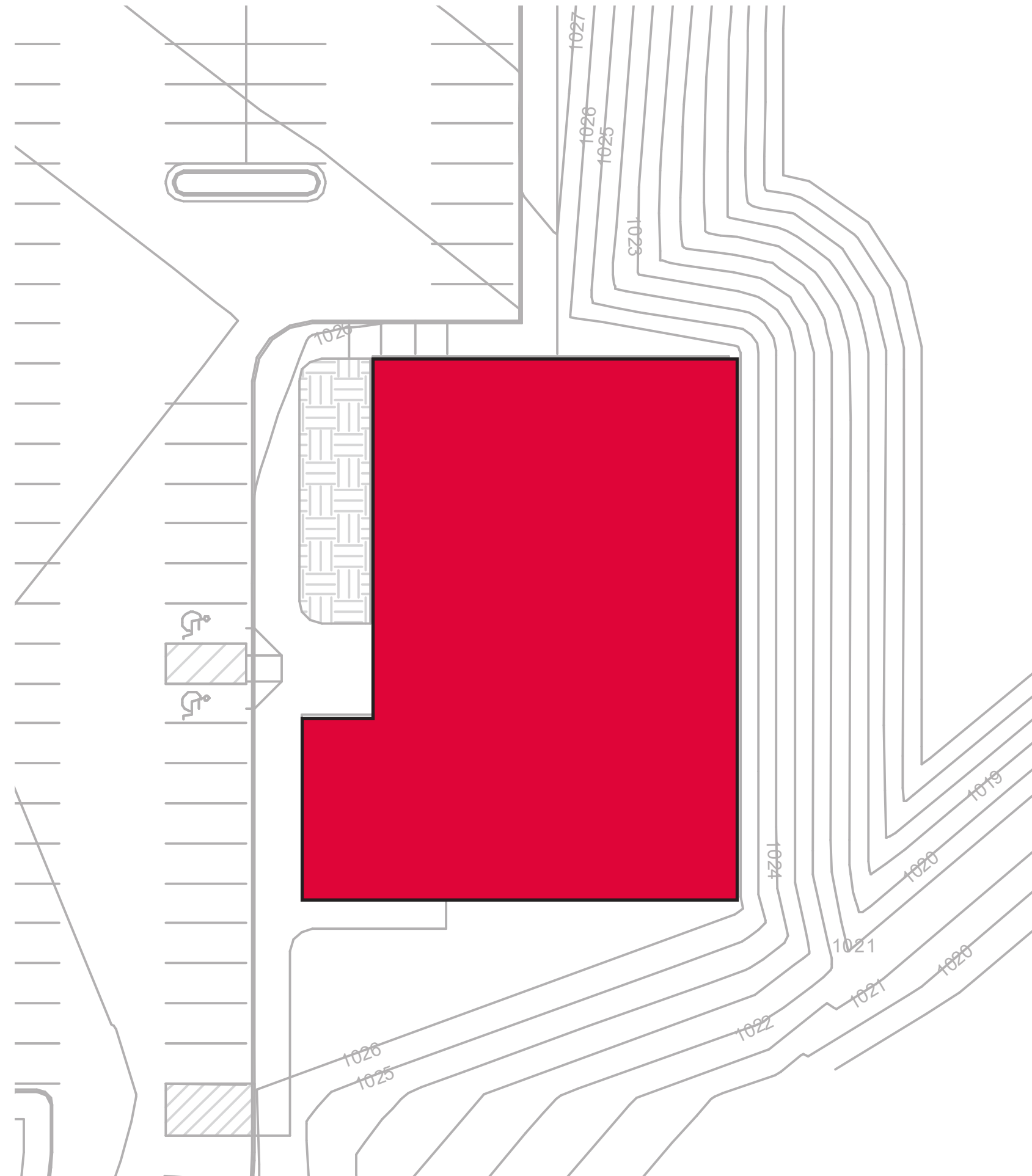
Shed:

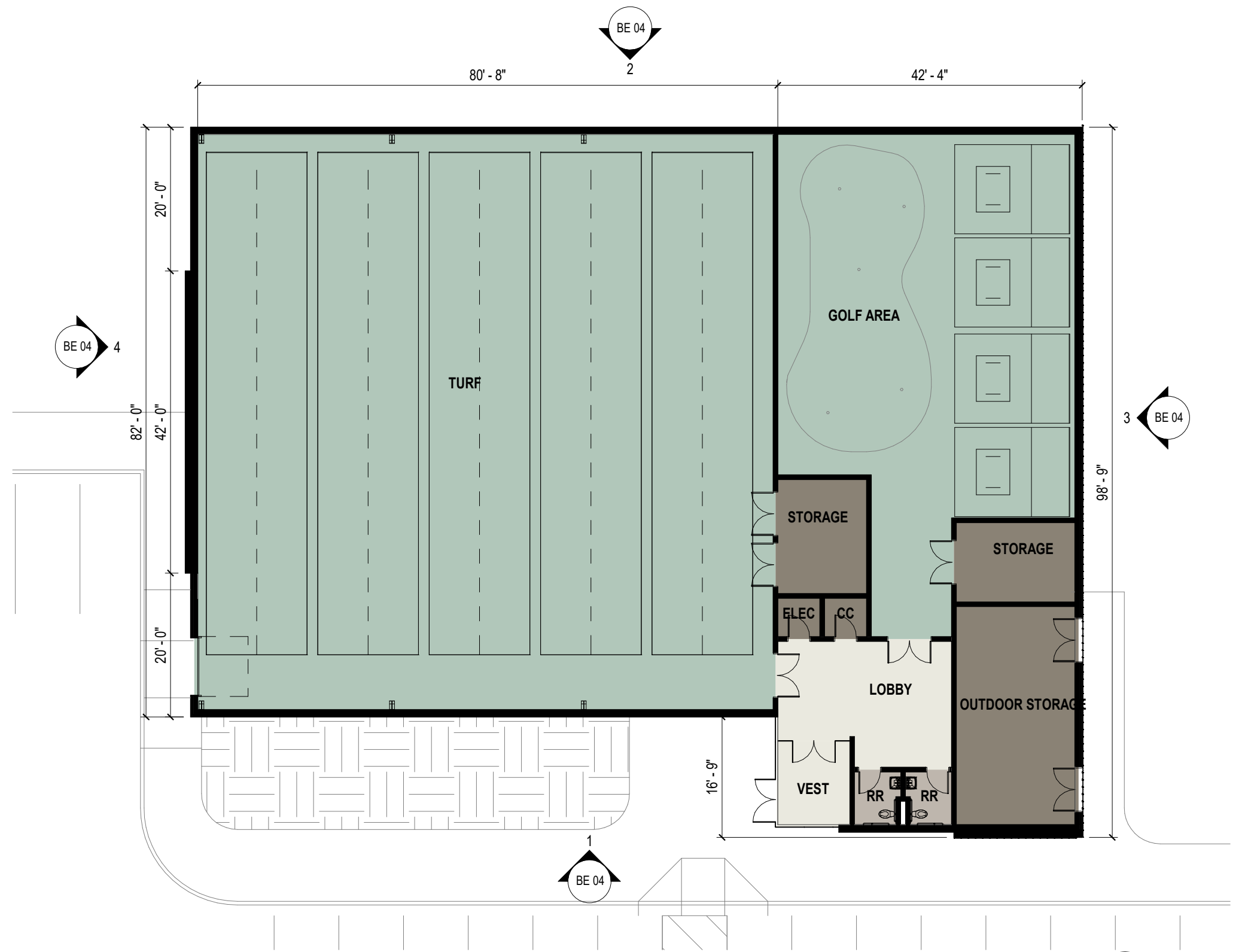
BOD: Morin SYM Series

Color: Medium Bronze

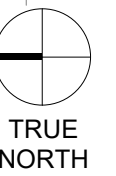
Fire Protection:

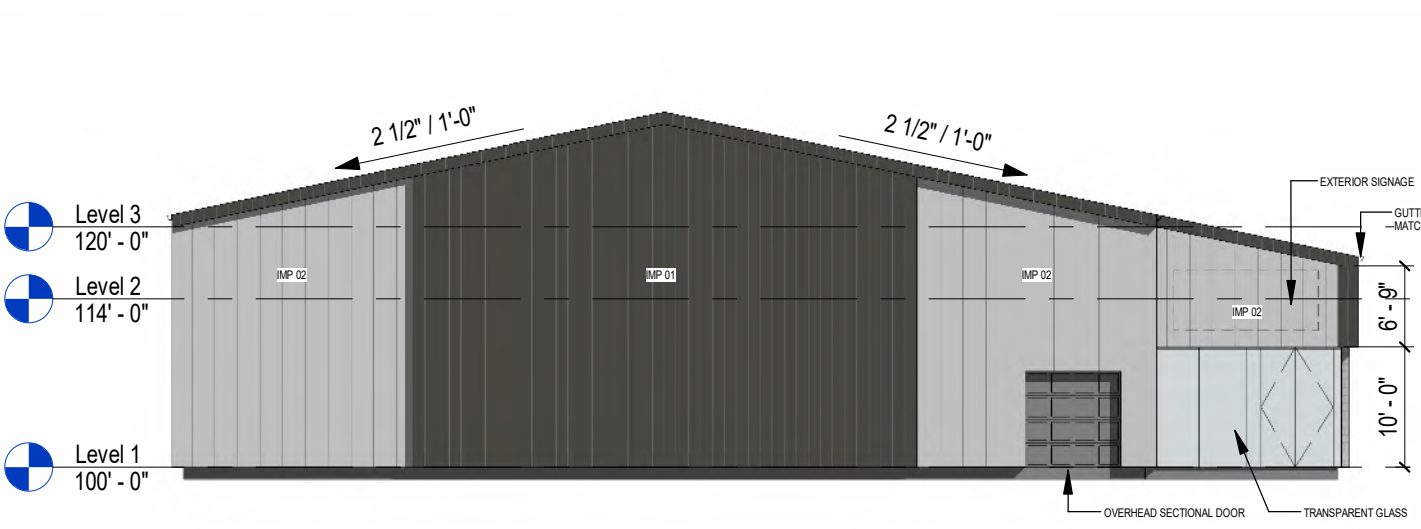
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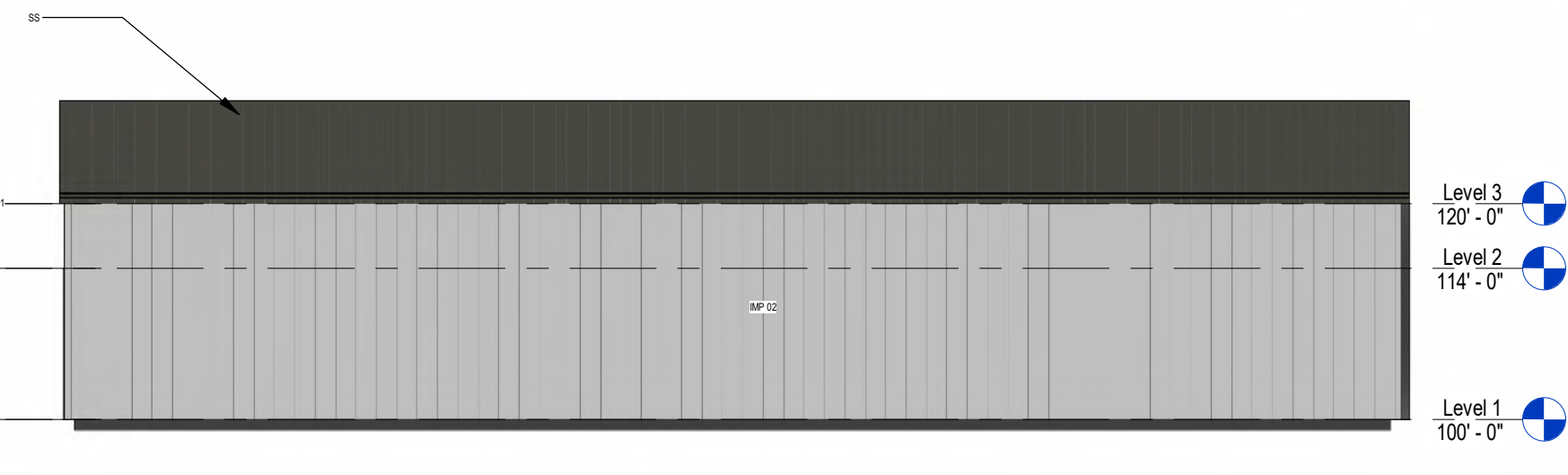


1 BUILDING 04 - HITTING FACILITY
 1/16" = 1'-0"

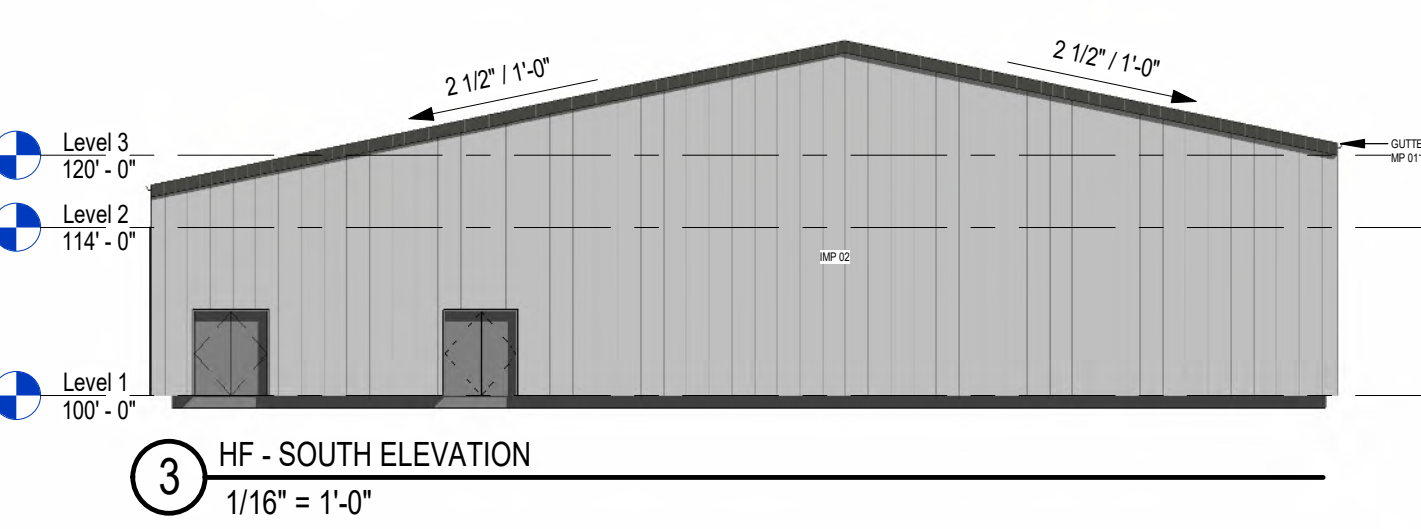




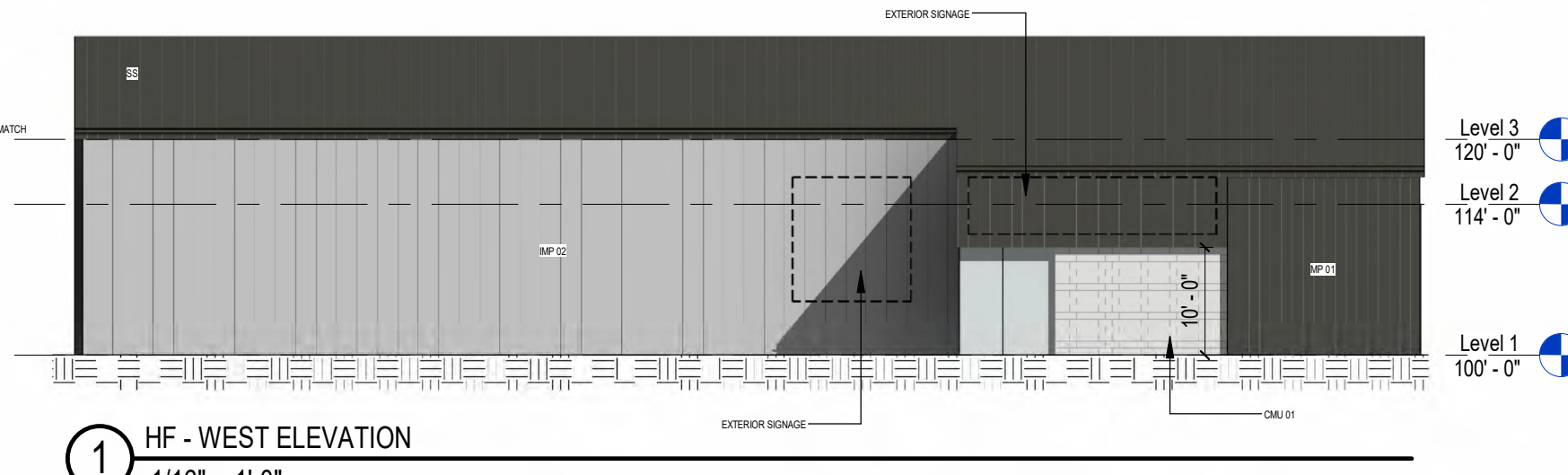
4 HF - NORTH ELEVATION
1/16" = 1'-0"



2 HF - EAST ELEVATION
1/16" = 1'-0"

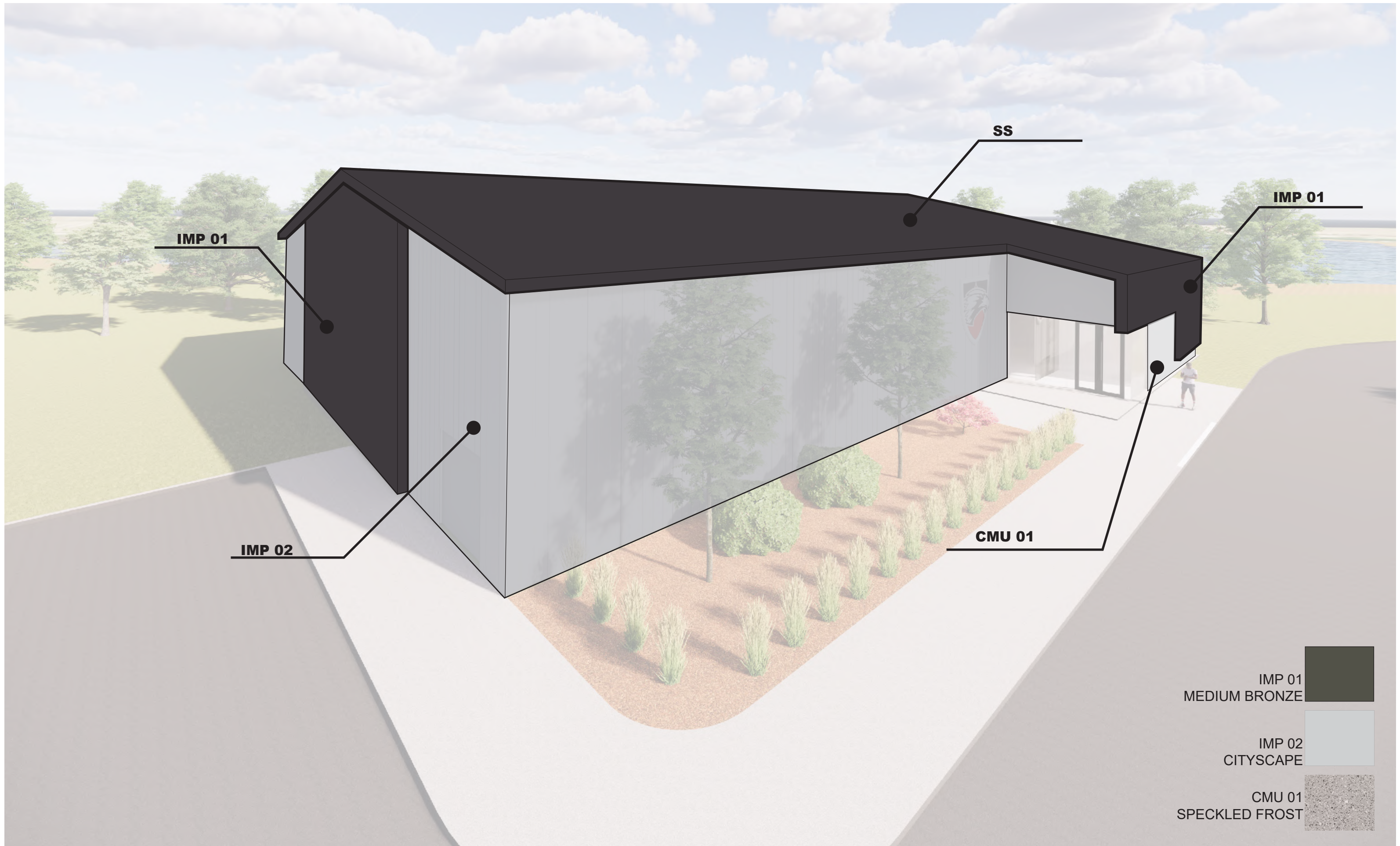


3 HF - SOUTH ELEVATION
1/16" = 1'-0"



1 HF - WEST ELEVATION
1/16" = 1'-0"





- IMP 01
MEDIUM BRONZE
- IMP 02
CITYSCAPE
- CMU 01
SPECKLED FROST



VISITOR DUGOUTS

BUILDING 05 / 06

Overall Building Size:

Building 05 - 43'-4" x 8'-4"

Building 06 - 53'-4" x 8'-8"

Construction Type:

Structural Steel and Load-bearing CMU

Foundation Type:

Slab on Grade

Number of Levels:

1 Level

Exterior Materials:

Burnished Block

BOD: Insultech Prefabricated Insulated Concrete Masonry Unity

Color: Speckled Frost

Roof Type:

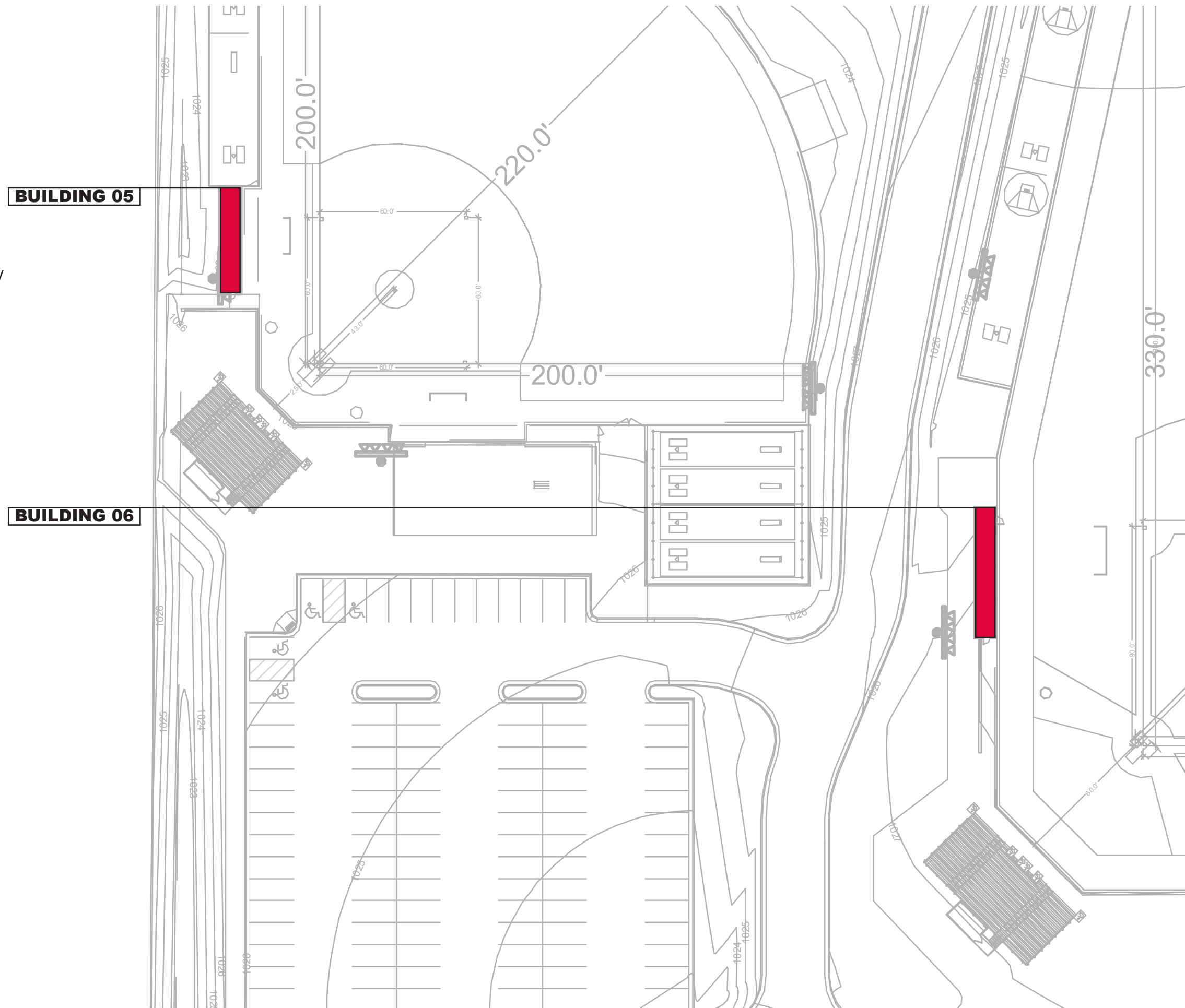
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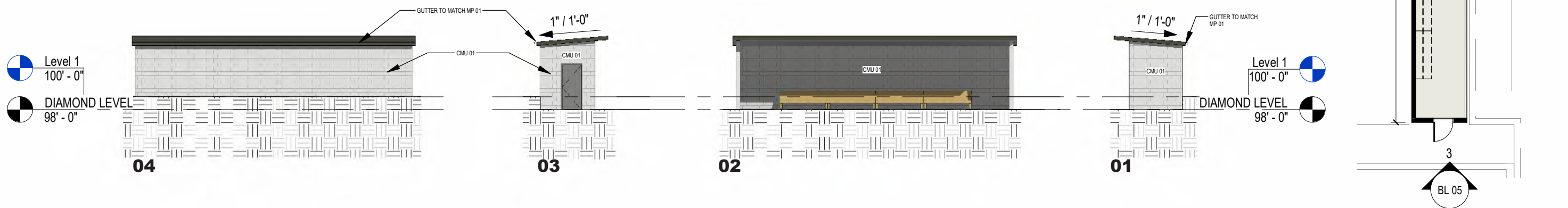
BOD: Morin SYM Series


Color: Medium Bronze

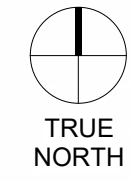
Fire Protection:

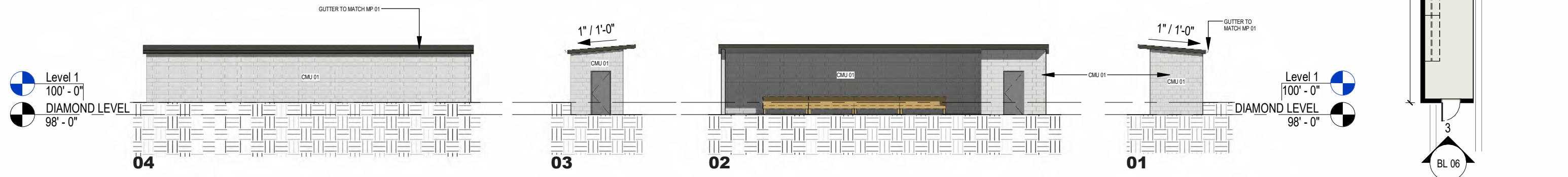
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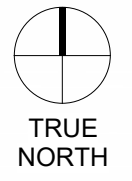


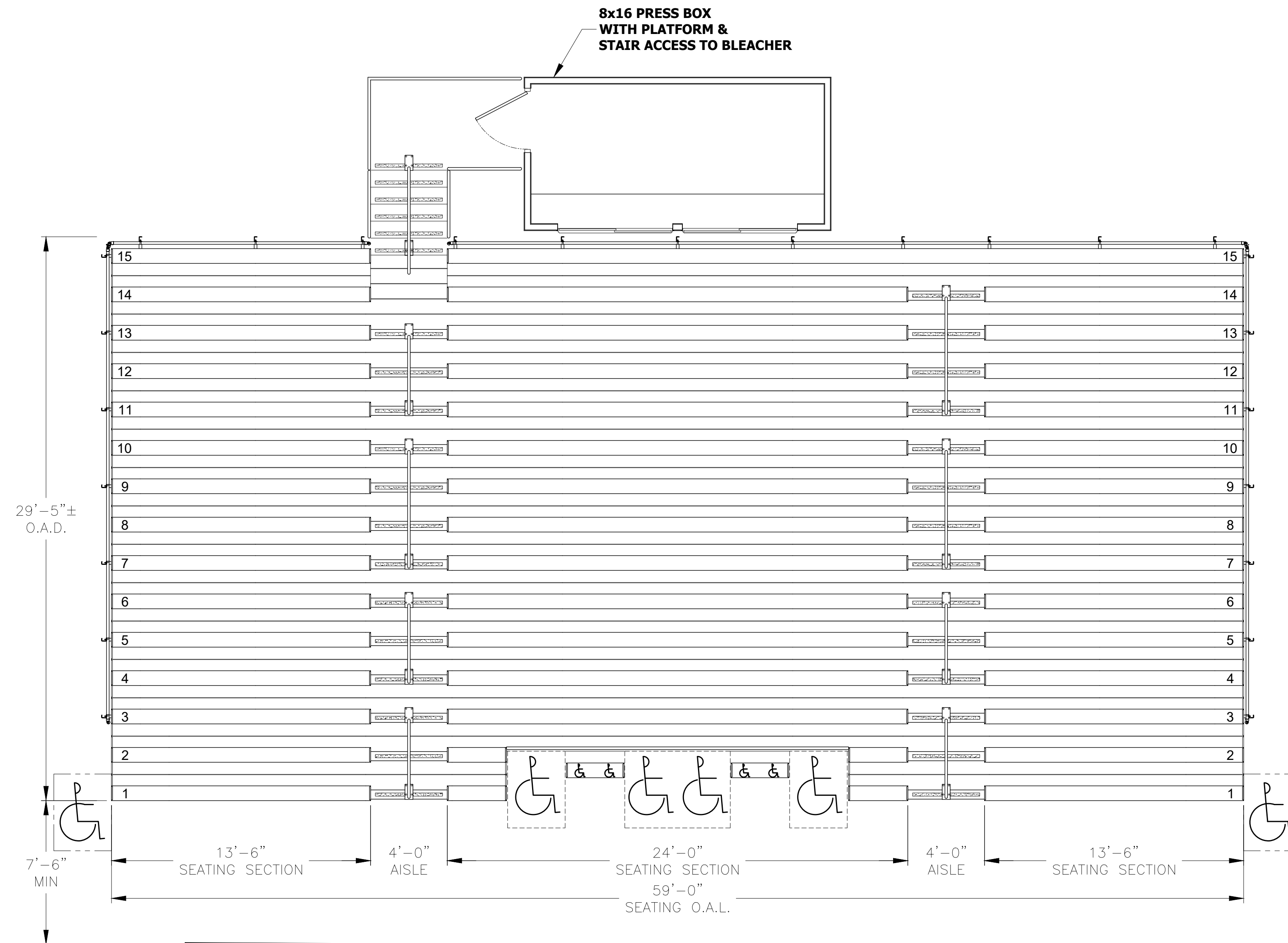

BUILDING 05 - SOFTBALL VISITOR DUGOUT
 1/16" = 1'-0"





BUILDING 06 - BASEBALL VISITOR DUGOUT
 1/16" = 1'-0"





EDGEWOOD COLLEGE (WI)

500 SEAT BASEBALL BLEACHER SYSTEM & PRESS BOX

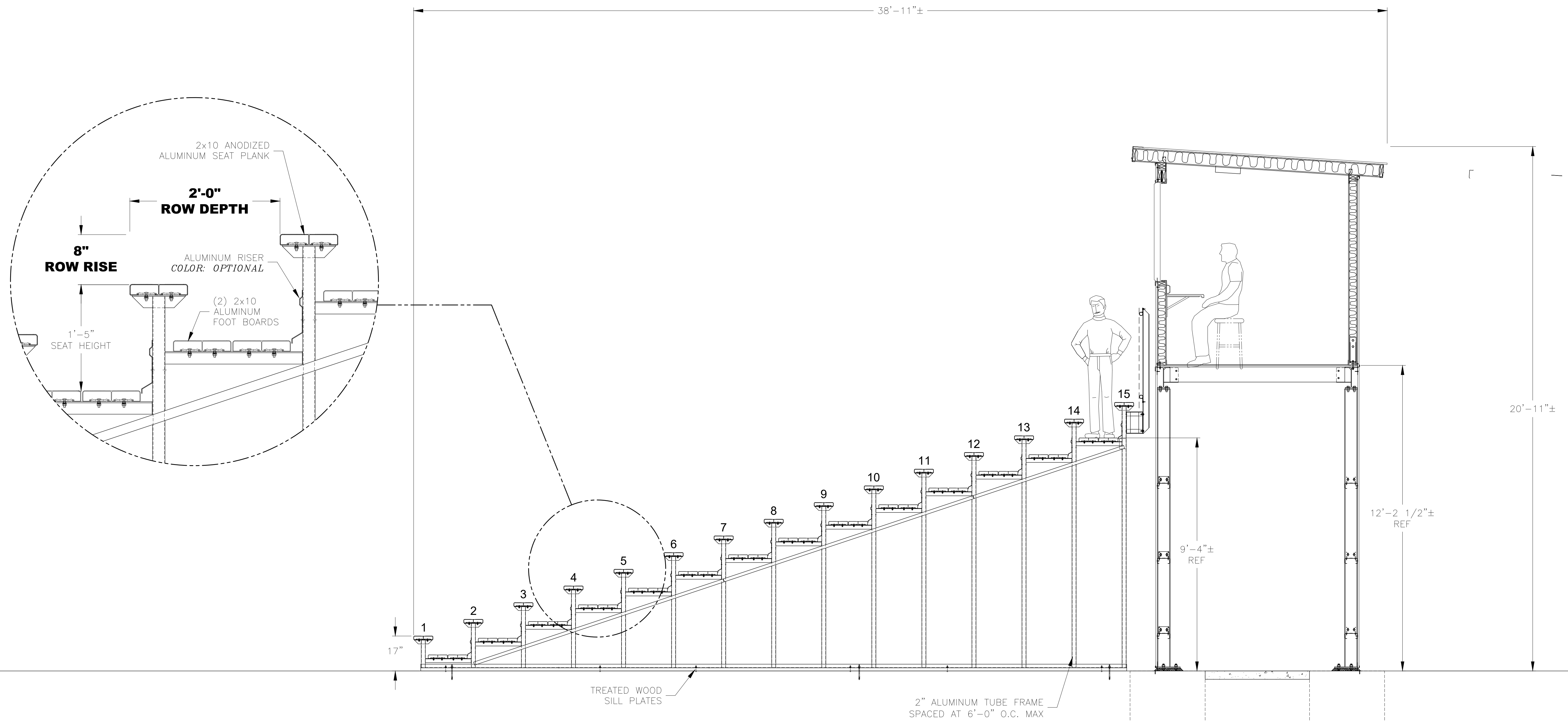
SEATING CAPACITY: 492 BENCH SEATS (BASED ON 18" SEAT WIDTH)
 6 WHEELCHAIRS (BASED ON 36" WIDTH)
 498 TOTAL SPECTATORS

*FOR PRESENTATION
PURPOSES ONLY*

(02-13-25 / ALR)



5662 Glendale Ave.
GREEN BAY, WI 54313
(920) 865-7307
www.jwindustriesinc.com



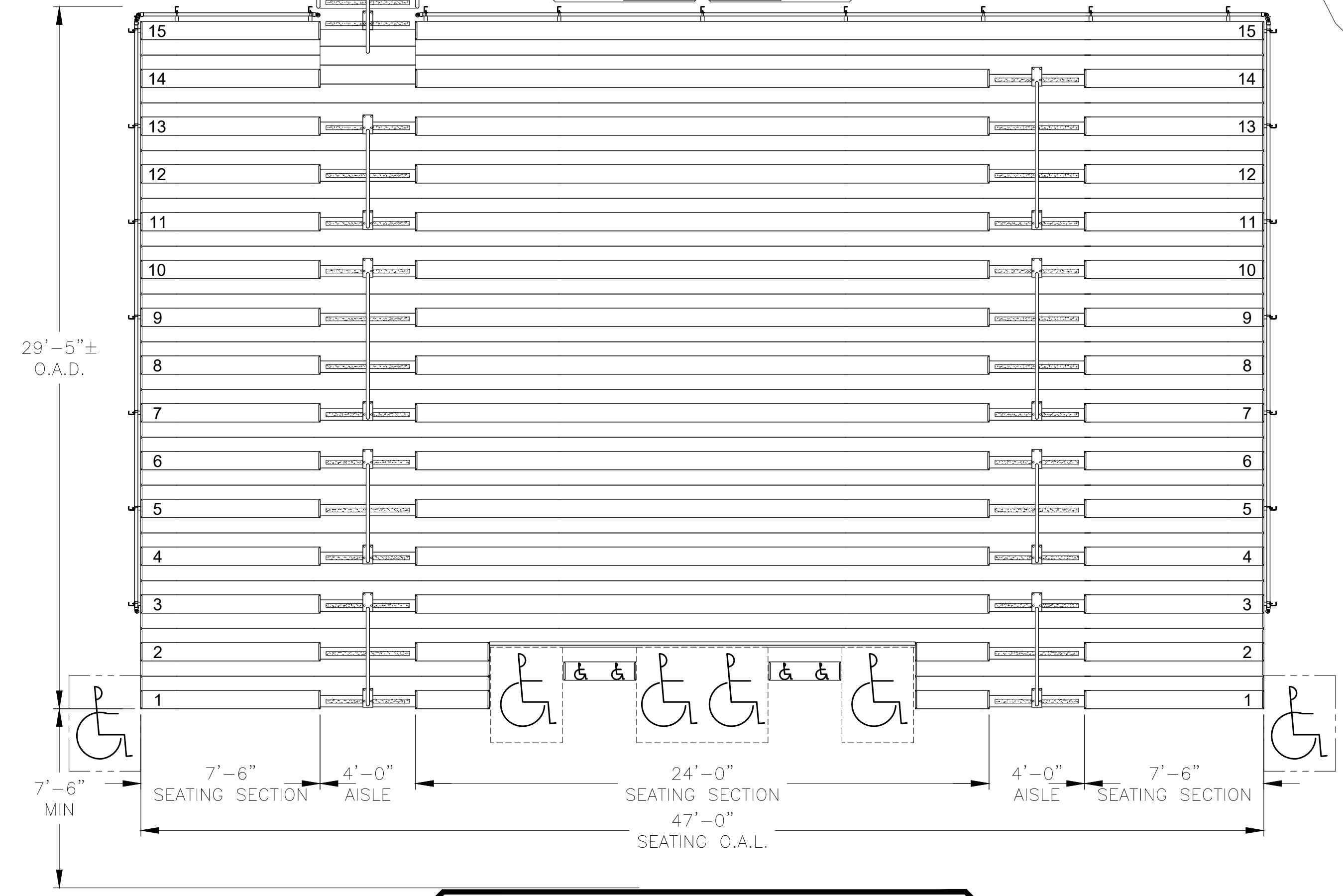
EDGEWOOD COLLEGE (WI)
SECTION

FOR PRESENTATION
PURPOSES ONLY

(02-13-25 / ALR)


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8x16 PRESS BOX
WITH PLATFORM &
STAIR ACCESS TO BLEACHER



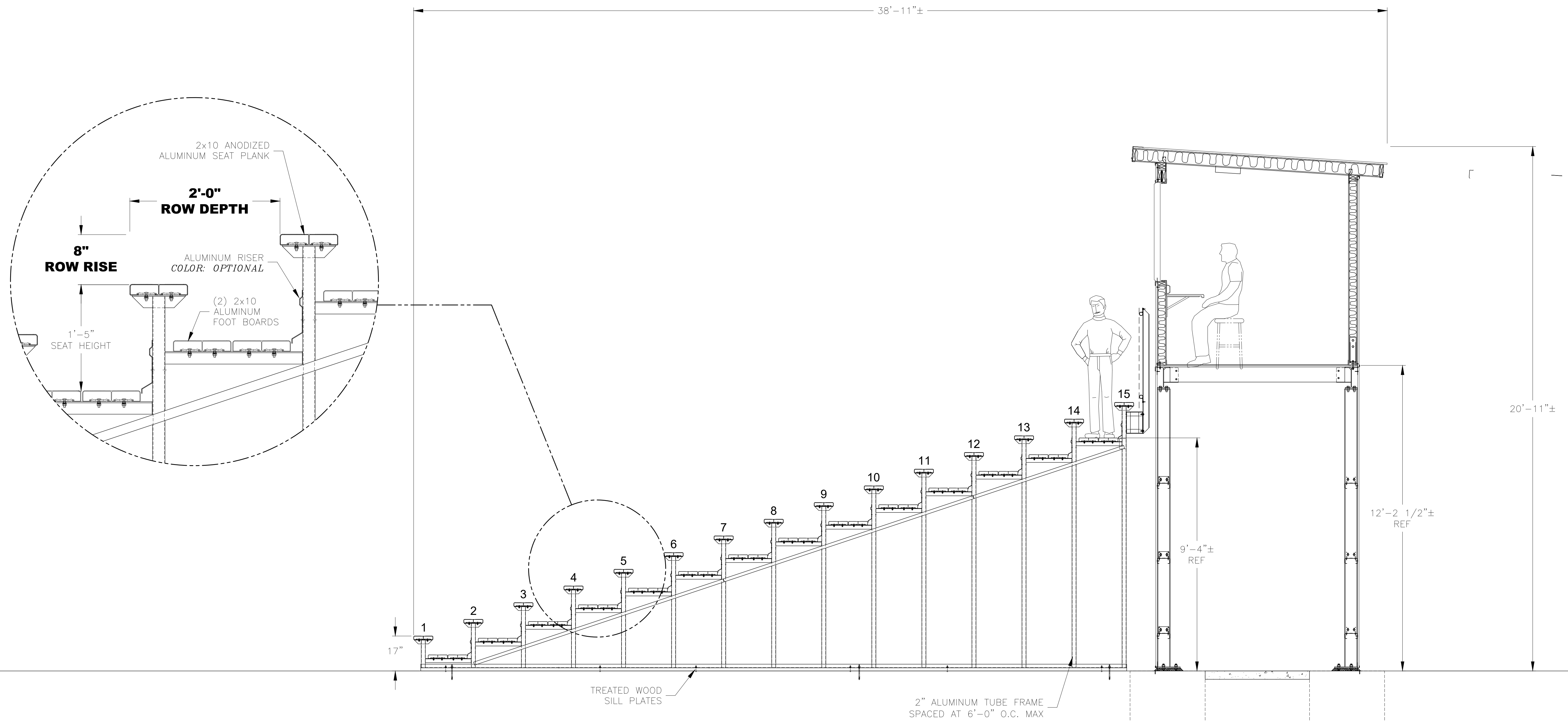
EDGEWOOD COLLEGE (WI)

350 SEAT SOFTBALL BLEACHER SYSTEM & PRESS BOX

SEATING CAPACITY: 372 BENCH SEATS (BASED ON 18" SEAT WIDTH)
 6 WHEELCHAIRS (BASED ON 36" WIDTH)
 378 TOTAL SPECTATORS

FOR PRESENTATION
PURPOSES ONLY

(02-13-25 / ALR)



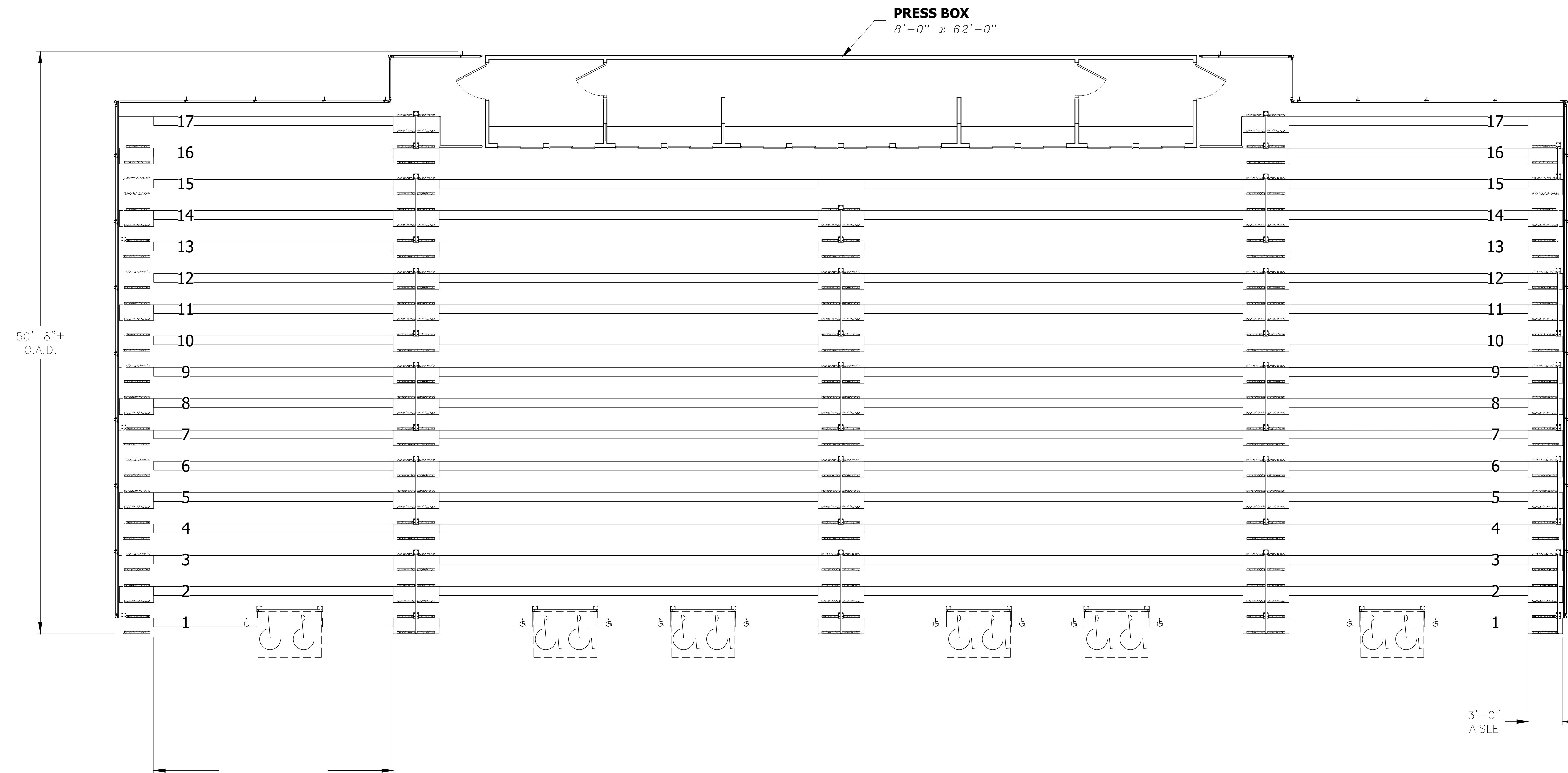
EDGEWOOD COLLEGE (WI)
SECTION

FOR PRESENTATION
 PURPOSES ONLY

(02-13-25 / ALR)



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 GREEN BAY, WI 54313
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EDGEWOOD COLLEGE (WI) 1000 SEAT STADIUM SYSTEM

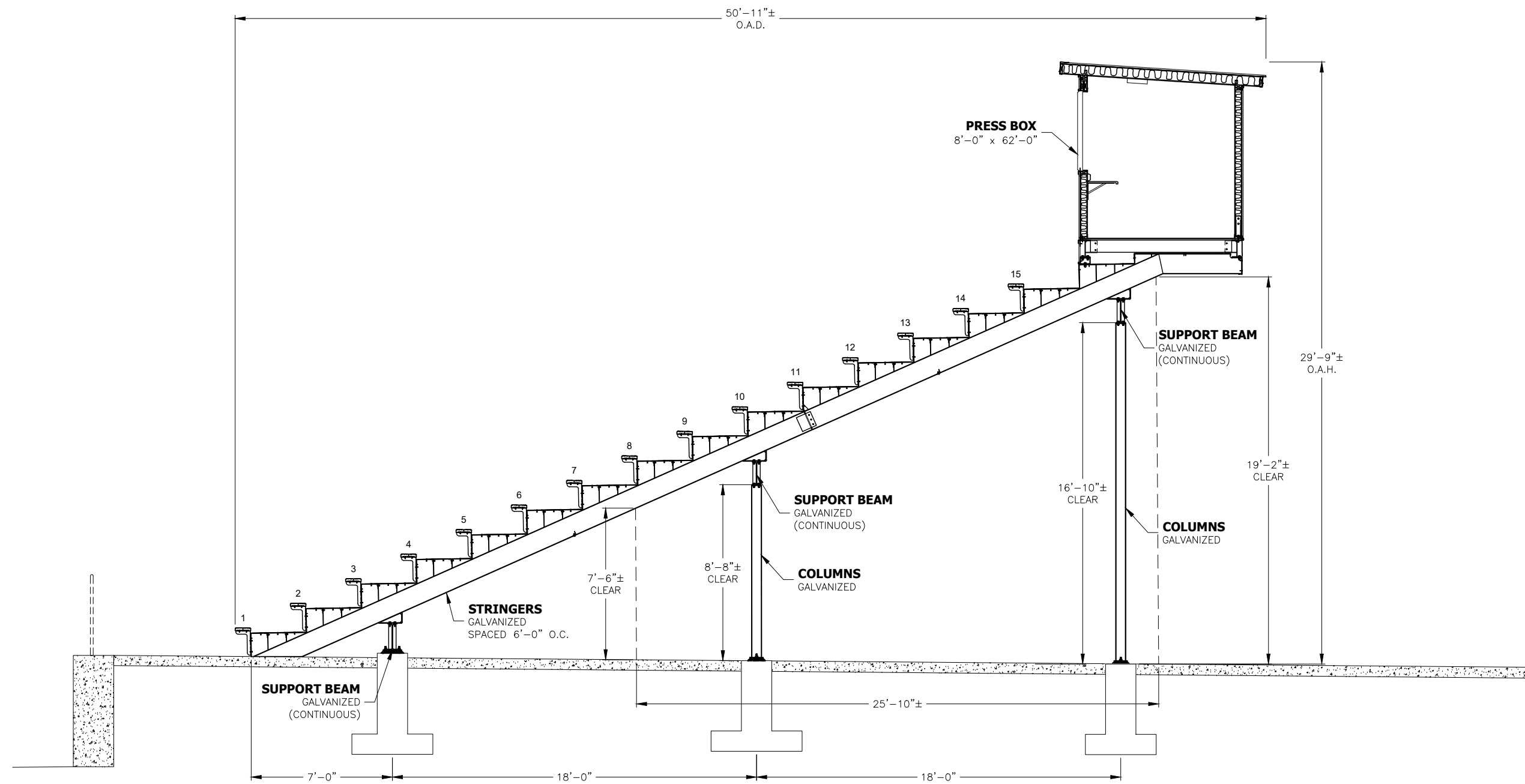
SEATING CAPACITY: 1058 BENCH SEATS (BASED ON 18" SEAT WIDTH)
 12 WHEELCHAIRS (BASED ON 36" WIDTH)
 1070 TOTAL SPECTATORS

*FOR PRESENTATION
PURPOSES ONLY*

(01-09-25 / ALR)



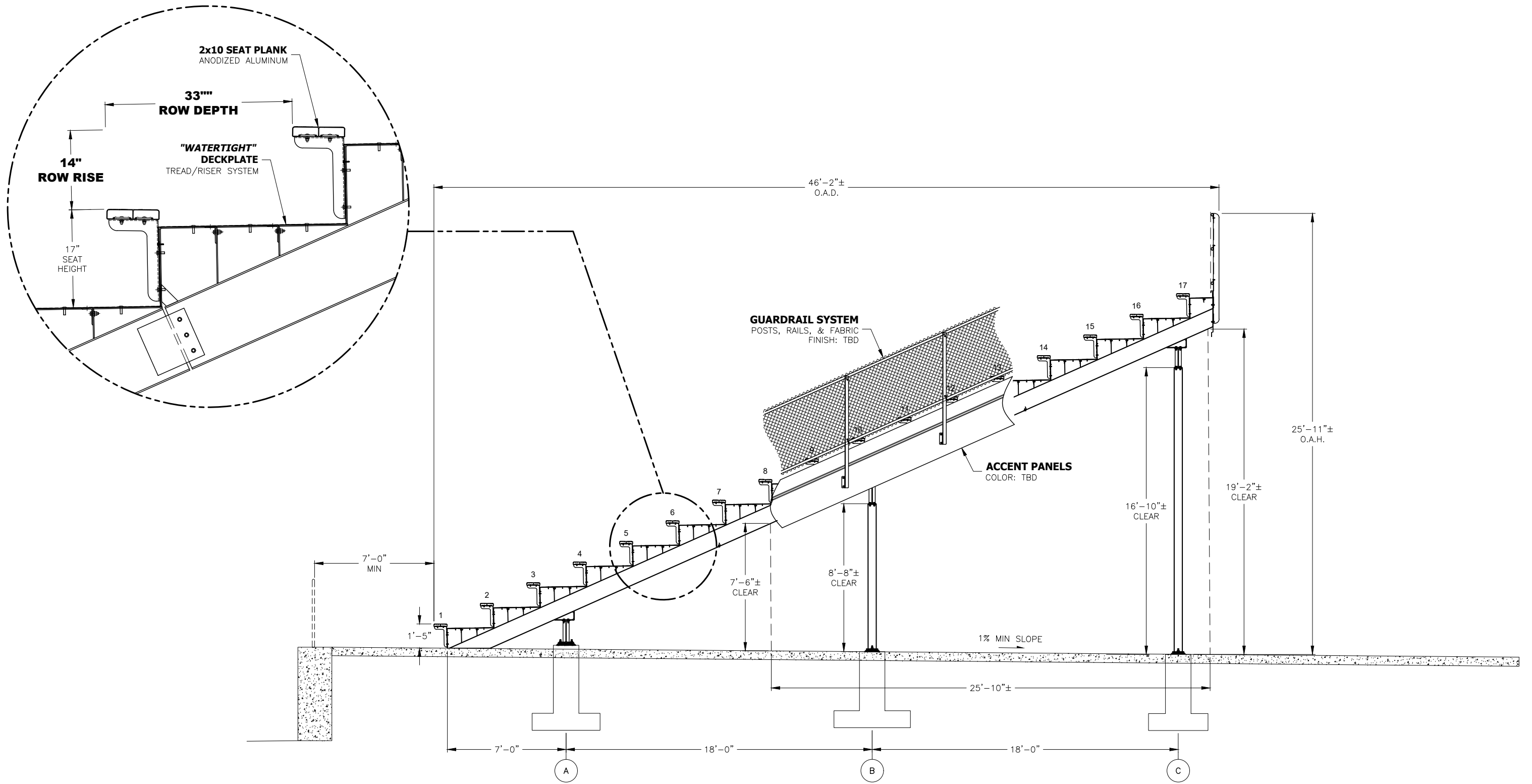
5662 Glendale Ave.
GREEN BAY, WI 54313
(920) 865-7307
www.jwindustriesinc.com



EDGEWOOD COLLEGE (WI)
PRESS BOX SECTION

FOR PRESENTATION
 PURPOSES ONLY

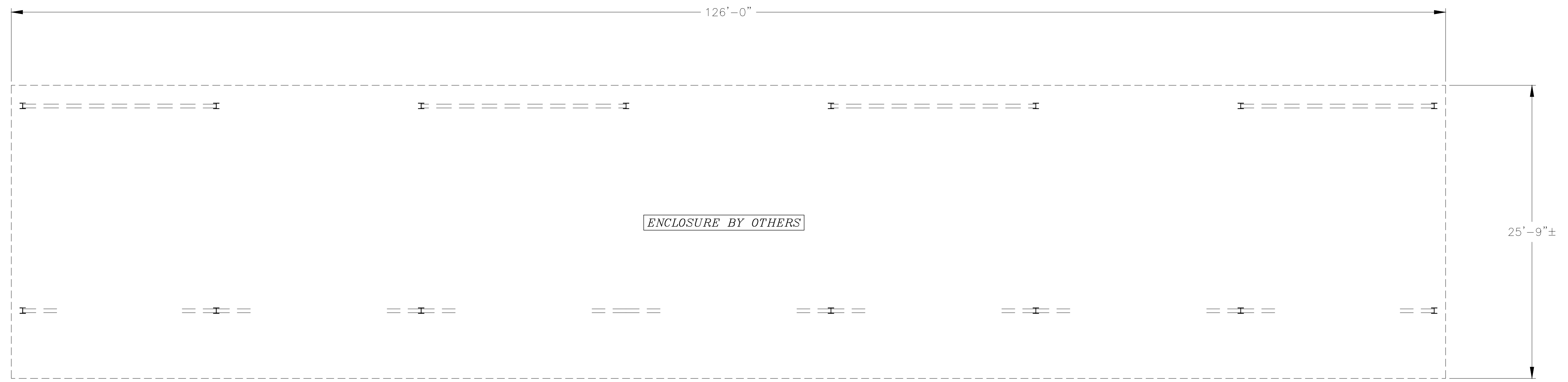
(01-09-25 / ALR)



EDGEWOOD COLLEGE (WI)
SEATING SECTION / END

FOR PRESENTATION
 PURPOSES ONLY

(01-09-25 / ALR)



EDGEWOOD COLLEGE (WI)
COLUMN & BRACING LAYOUT

FOR PRESENTATION
 PURPOSES ONLY

(01-09-25 / ALR)

Lighting System

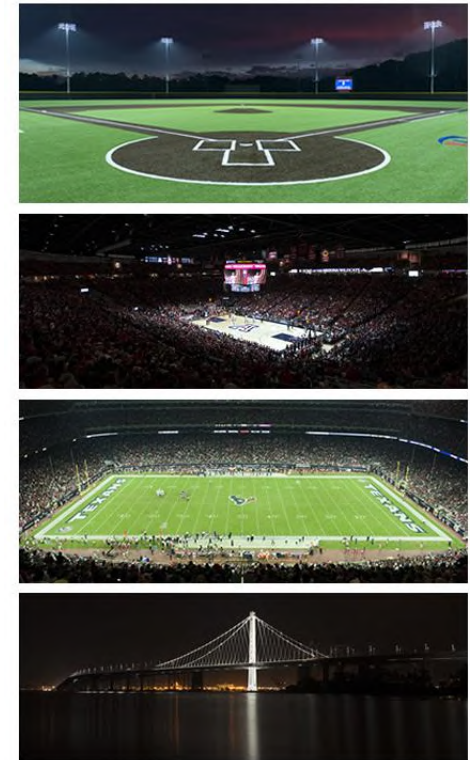
Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	80'	80'	2	TLC-LED-1200	2.34 kW	A
		80'	5	TLC-LED-1500	7.05 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
A2	80'	80'	1	TLC-LED-1200	1.17 kW	A
		80'	5	TLC-LED-1500	7.05 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
A3-A4	60'	60'	1	TLC-LED-1200	1.17 kW	B
		60'	3	TLC-LED-900	2.64 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
B1	90'	90'	9	TLC-LED-1500	12.69 kW	A
		90'	1	TLC-LED-1200	1.17 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
B2	90'	90'	7	TLC-LED-1500	9.87 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
B3-B4	70'	70'	6	TLC-LED-1500	8.46 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
		80'	1	TLC-LED-1200	1.17 kW	A
C1	80'	80'	9	TLC-LED-1500	12.69 kW	A
		16'	3	TLC-BT-575	1.72 kW	A
		80'	10	TLC-LED-1500	14.10 kW	A
C2	80'	16'	3	TLC-BT-575	1.72 kW	A
		60'	1	TLC-LED-1200	1.17 kW	D
P1	60'	60'	3	TLC-LED-900	2.64 kW	D
		50'	3	TLC-LED-900	2.64 kW	D
P2	50'	60'	2	TLC-LED-550	1.08 kW	D
		60'	2	TLC-LED-900	1.76 kW	D
P3	60'	90'	1	TLC-LED-1200	1.17 kW	C
		90'	1	TLC-LED-1200	1.17 kW	D
		90'	1	TLC-LED-900	0.88 kW	D
		90'	11	TLC-LED-1500	15.51 kW	C
		16'	3	TLC-BT-575	1.72 kW	C
S1	90'	90'	1	TLC-LED-1200	1.17 kW	C
		90'	11	TLC-LED-1500	15.51 kW	C
		16'	3	TLC-BT-575	1.72 kW	C
S2	90'	90'	1	TLC-LED-1200	1.17 kW	C
		90'	11	TLC-LED-1500	15.51 kW	C
S3	90'	16'	3	TLC-BT-575	1.72 kW	C
		90'	11	TLC-LED-1500	15.51 kW	C
S4	90'	16'	3	TLC-BT-575	1.72 kW	C
		90'	3	TLC-LED-900	2.64 kW	D
		90'	11	TLC-LED-1500	15.51 kW	C
17		16'	3	TLC-BT-575	1.72 kW	C
			164		190.60 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Baseball	77.35 kW	64
B	Softball	27.99 kW	26
C	Football	71.28 kW	58
D	Field Events	13.98 kW	16

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	32
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	11
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	101
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	2
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	18

Single Luminaire Amperage Draw Chart								
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)							
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)	
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)	
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6	
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0	
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3	
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5	
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4	

From Hometown to Professional

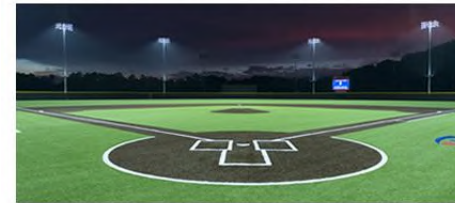


Light Level Summary

Calculation Grid Summary

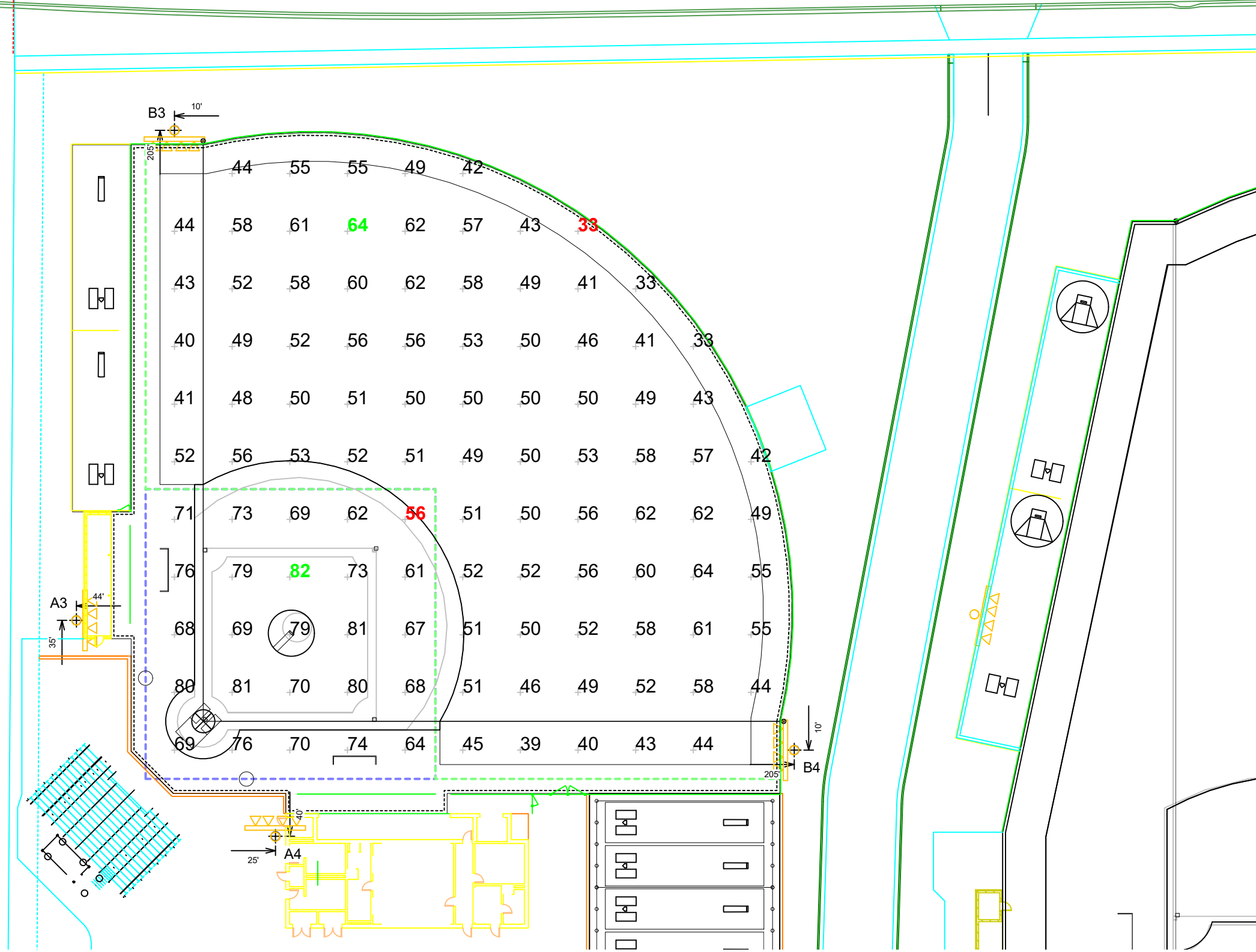
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Baseball (Infield)	Horizontal Illuminance	71.63	48	88	1.84	1.50	A	64
Baseball (Outfield)	Horizontal Illuminance	52.03	38	70	1.86	1.38	A	64
Baseball Spill @ 3ft.	Horizontal Illuminance	0.1304	0.00	0.80	161.754	26.284	A	64
Baseball Spill @ 5ft.	Max Candela Metric	4106.4873	640.29	8509.04	13.289	6.413	A	64
Baseball Spill @ 5ft.	Max Vertical Illuminance Metric	0.2456	0.02	1.24	71.287	14.152	A	64
Baseball Spill @ 5ft.	True Max Vert Illuminance Metric	0.2159	0.02	0.98	58.743	12.879	A	64
Discus / Hammer	Horizontal	17.97	8	32	4.07	2.31	D	16
Football	Horizontal Illuminance	50.55	43	56	1.32	1.18	C	58
Javellin	Horizontal	18.56	8	34	4.43	2.40	D	16
Long Jump	Horizontal	11.68	5	21	3.87	2.18	D	16
Shot Put	Horizontal	22.34	14	34	2.50	1.64	D	16
Soccer	Horizontal Illuminance	51.34	43	58	1.37	1.20	C	58
Softball (Infield)	Horizontal Illuminance	71.91	56	82	1.45	1.27	B	26
Softball (Outfield)	Horizontal Illuminance	50.70	33	64	1.97	1.56	B	26
Softball Spill @ 3ft.	Horizontal Illuminance	0.0242	0.00	0.07	-	-	B	26
Softball Spill @ 5ft.	Max Candela Metric	1321.8959	0.00	3656.67	-	-	B	26
Softball Spill @ 5ft.	Max Vertical Illuminance Metric	0.0604	0.00	0.18	-	-	B	26
Track	Horizontal Illuminance	31.29	13	46	3.61	2.45	C	58
Track Spill @ 3ft.	Horizontal Illuminance	0.0619	0.01	0.18	23.807	8.046	C	58
Track Spill @ 5ft.	Max Candela Metric	4580.9180	1429.07	8801.25	6.159	3.206	C	58
Track Spill @ 5ft.	Max Vertical Illuminance Metric	0.1491	0.03	0.41	16.035	5.820	C	58
Track and Field	Horizontal Illuminance	0.00	0	0	-	-	A	64

From Hometown to Professional



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	70'	-	70'	TLC-LED-1500	6	6	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					26	26	0

*Above Grade level relative to the field



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Softball
Size:	200'/220'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

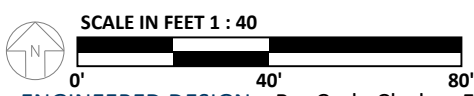
Illumination Summary		
	INITIAL HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	70	50
Scan Average:	71.91	50.70
Maximum:	82	64
Minimum:	56	33
Avg/Min:	1.27	1.56
Guaranteed Max/Min:	2	2
Max/Min:	1.45	1.97
UG (adjacent pts):	1.21	1.36
CU:	0.70	
No. of Points:	25	82
LUMINAIRE INFORMATION		
Applied Circuits:	B	
No. of Luminaires:	26	
Total Load:	27.99 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



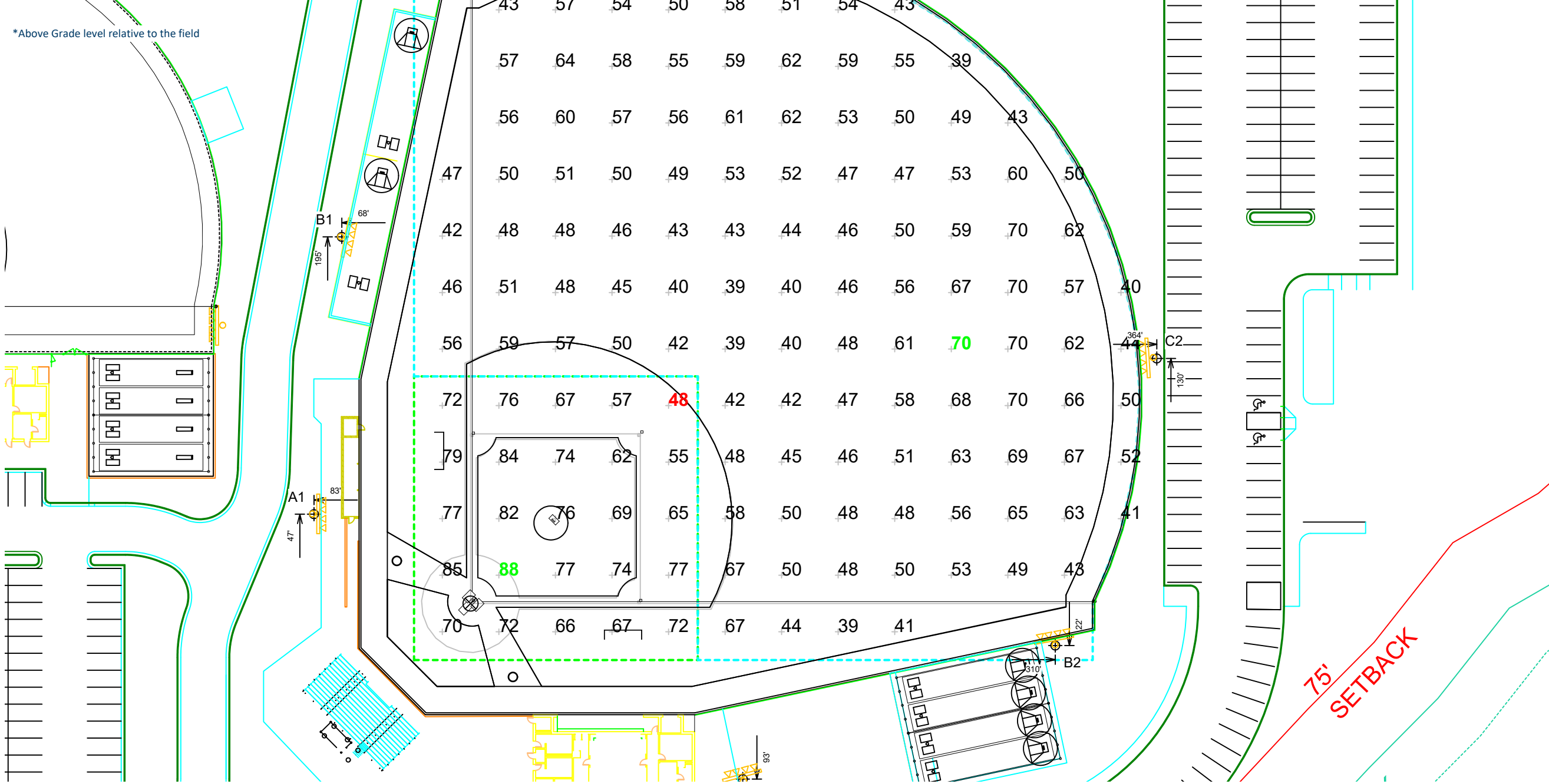
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ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-1200	2	2	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	A2	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	B1	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
1	B2	90'	-	90'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1200	1	1	0
1	C1	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
1	C2	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	3	3	0
				Totals				

*Above Grade level relative to the field



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Baseball
Size:	330'/400'/330' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

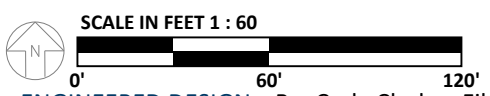
	INITIAL HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	70	50
Scan Average:	71.63	52.03
Maximum:	88	70
Minimum:	48	38
Avg/Min:	1.50	1.38
Guaranteed Max/Min:	2	2
Max/Min:	1.84	1.86
UG (adjacent pts):	1.22	1.56
CU:	0.73	
No. of Points:	25	117
LUMINAIRE INFORMATION		
Applied Circuits:	A	
No. of Luminaires:	64	
Total Load:	77.35 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

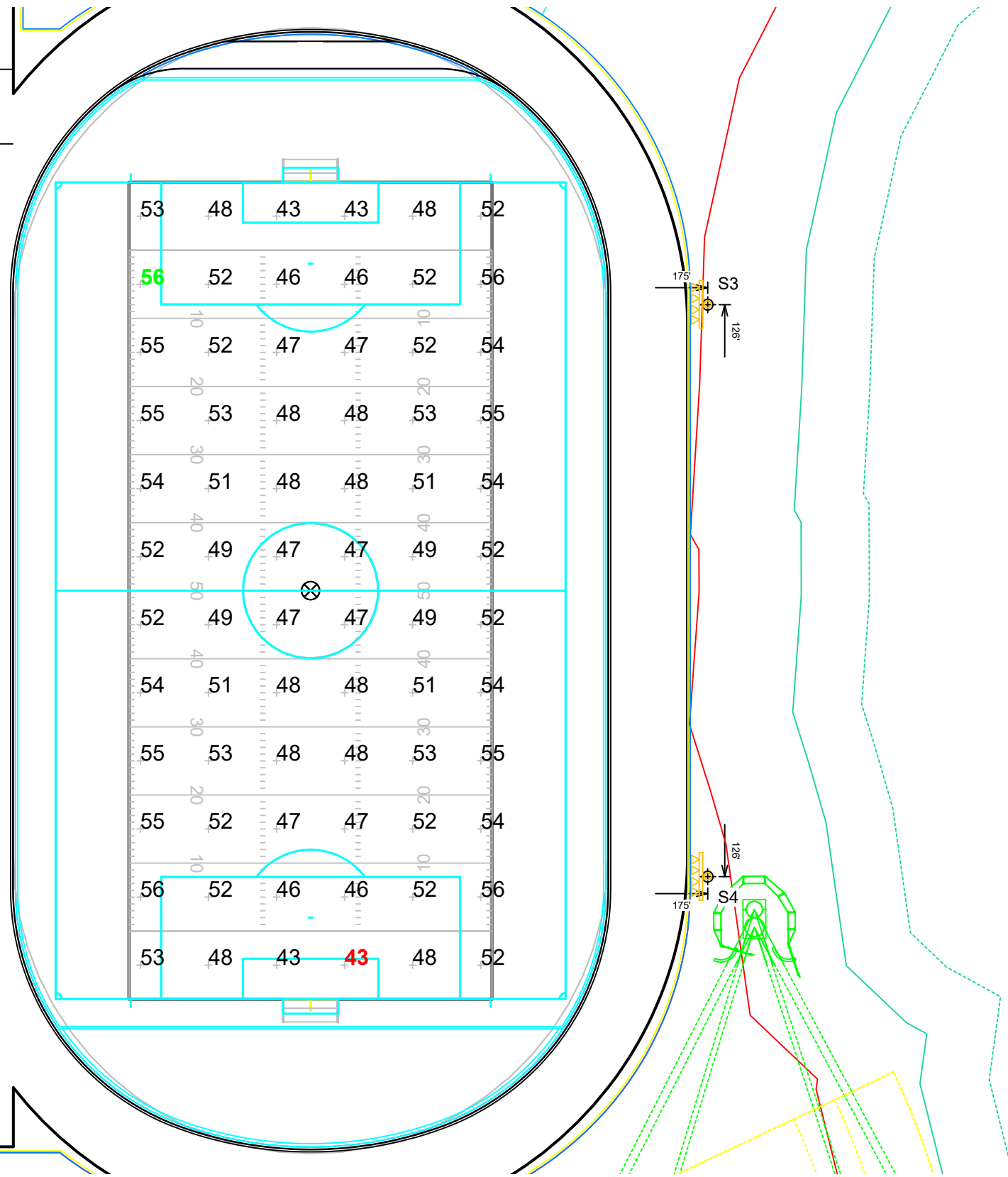


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
4	Totals					63	58	5

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College	
Fitchburg, WI	
Grid Summary	
Name:	Football
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	INITIAL HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	50
Scan Average:	50.55
Maximum:	56
Minimum:	43
Avg/Min:	1.18
Guaranteed Max/Min:	2
Max/Min:	1.32
UG (adjacent pts):	1.14
CU:	0.36
No. of Points:	72
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

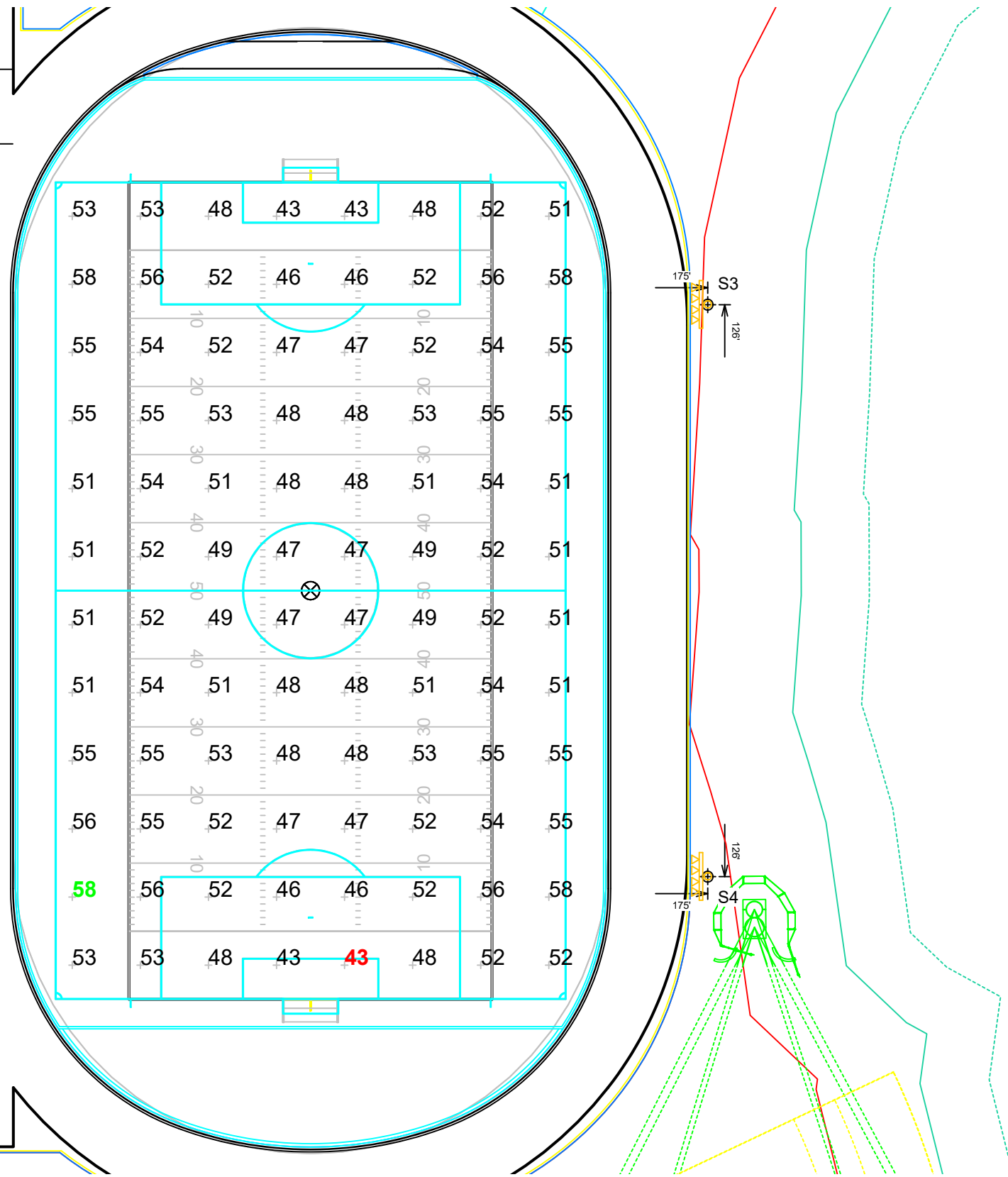


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
4				Totals		63	58	5

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Soccer
Size:	360' x 225'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

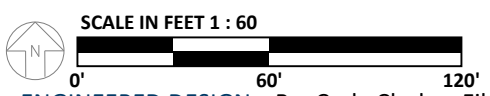
Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	Guaranteed Average: 50
	Scan Average: 51.34
	Maximum: 58
	Minimum: 43
	Avg/Min: 1.20
	Guaranteed Max/Min: 2
	Max/Min: 1.37
	UG (adjacent pts): 1.14
	CU: 0.49
	No. of Points: 96
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

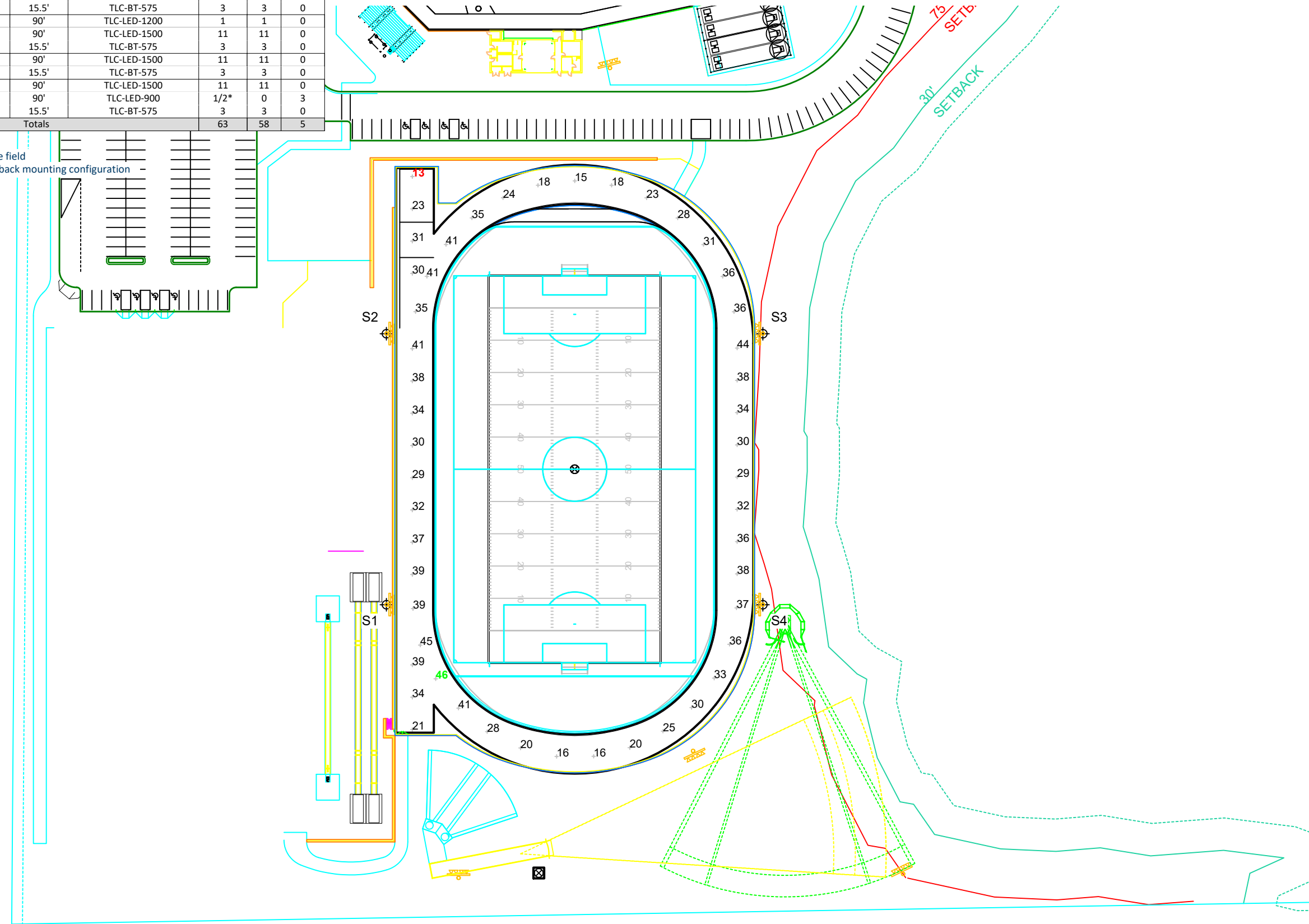


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	11	11	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
				Totals			63	58

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Track
Size:	Irregular
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	31.29
Maximum:	46
Minimum:	13
Avg/Min:	2.45
Guaranteed Max/Min:	2
Max/Min:	3.61
UG (adjacent pts):	0.00
CU:	0.16
No. of Points:	50
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 100

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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

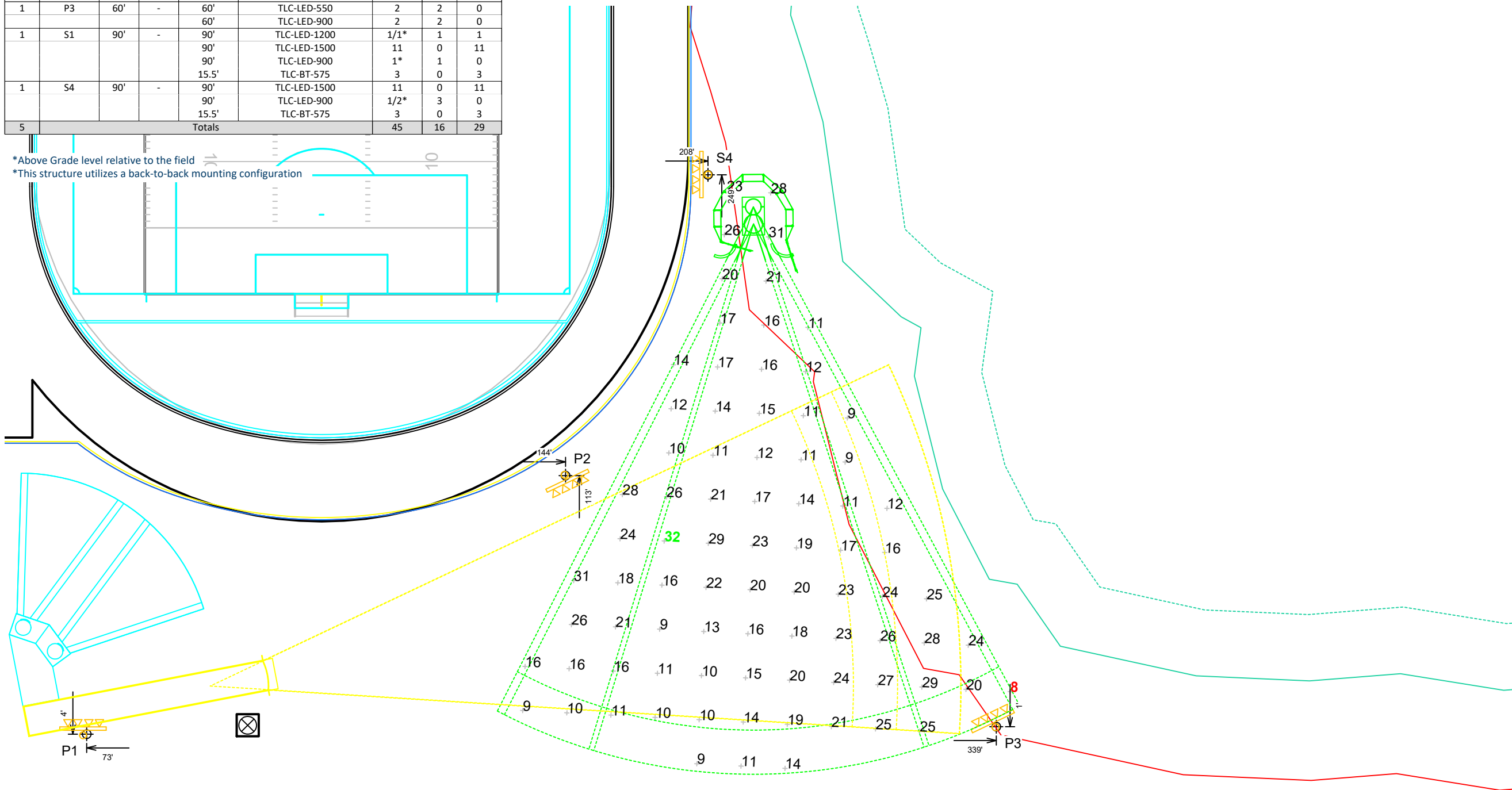


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	P2	50'	-	50'	TLC-LED-900	3	3	0
1	P3	60'	-	60'	TLC-LED-550	2	2	0
				60'	TLC-LED-900	2	2	0
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1*	1	0
				15.5'	TLC-BT-575	3	0	3
1	S4	90'	-	90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1/2*	3	0
				15.5'	TLC-BT-575	3	0	3
5	Totals					45	16	29

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Discus / Hammer
Size:	10' x 10'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid: 17.97
Maximum:	32
Minimum:	8
Avg/Min:	2.31
Max/Min:	4.07
UG (adjacent pts):	2.62
CU:	0.35
No. of Points:	81
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	16
Total Load:	13.98 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



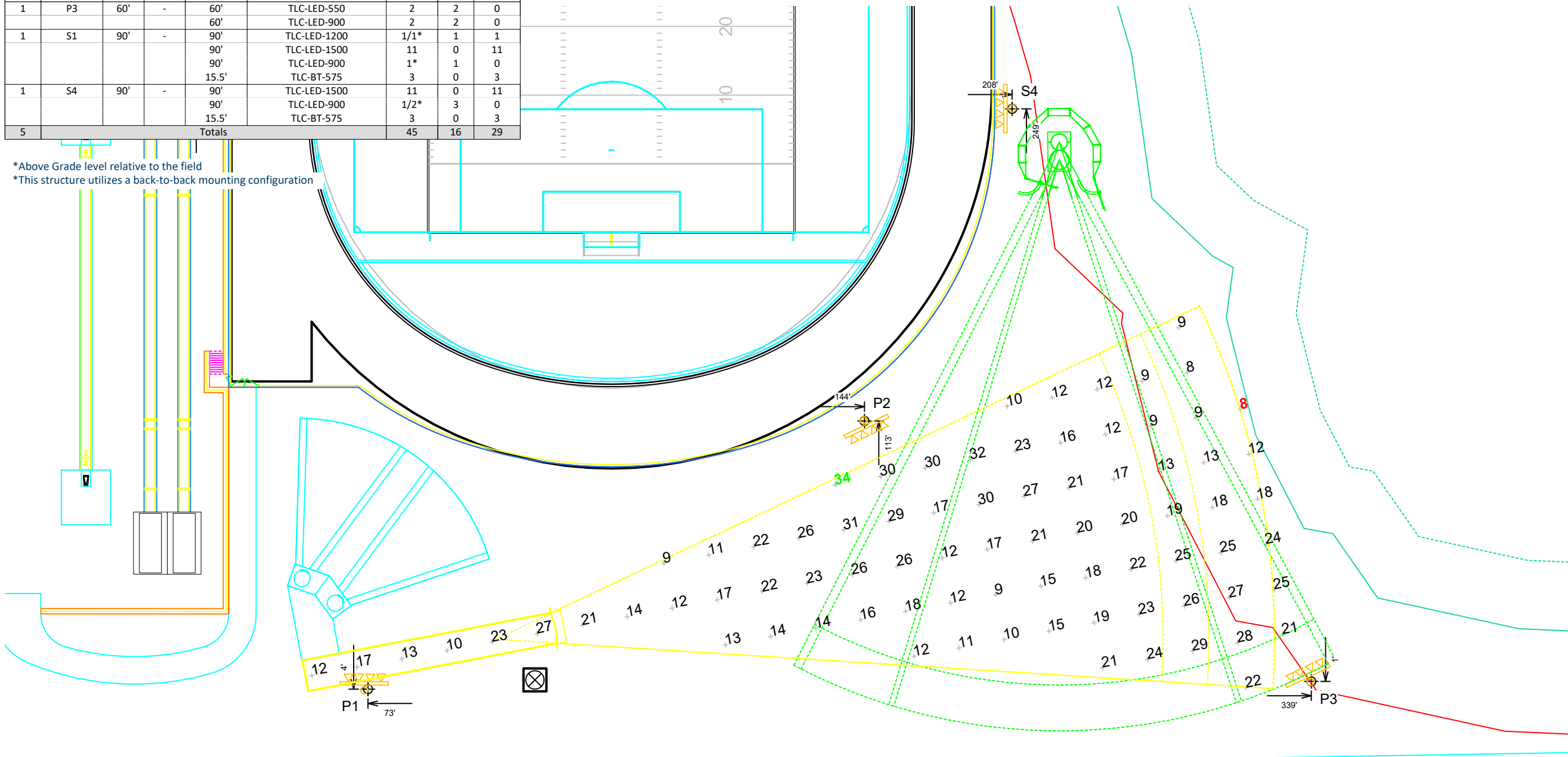
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ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	P2	50'	-	50'	TLC-LED-900	3	3	0
1	P3	60'	-	60'	TLC-LED-550	2	2	0
				60'	TLC-LED-900	2	2	0
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1*	1	0
				15.5'	TLC-BT-575	3	0	3
1	S4	90'	-	90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1/2*	3	0
				15.5'	TLC-BT-575	3	0	3
5	Totals					45	16	29

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Javellin
Size:	10' x 10'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Scan Average:	18.56
Maximum:	34
Minimum:	8
Avg/Min:	2.40
Max/Min:	4.43
UG (adjacent pts):	2.35
CU:	0.35
No. of Points:	80
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	16
Total Load:	13.98 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	P2	50'	-	50'	TLC-LED-900	3	3	0
1	P3	60'	-	60'	TLC-LED-550	2	2	0
				60'	TLC-LED-900	2	2	0
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1*	1	0
				15.5'	TLC-BT-575	3	0	3
1	S4	90'	-	90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1/2*	3	0
				15.5'	TLC-BT-575	3	0	3
5				Totals		45	16	29

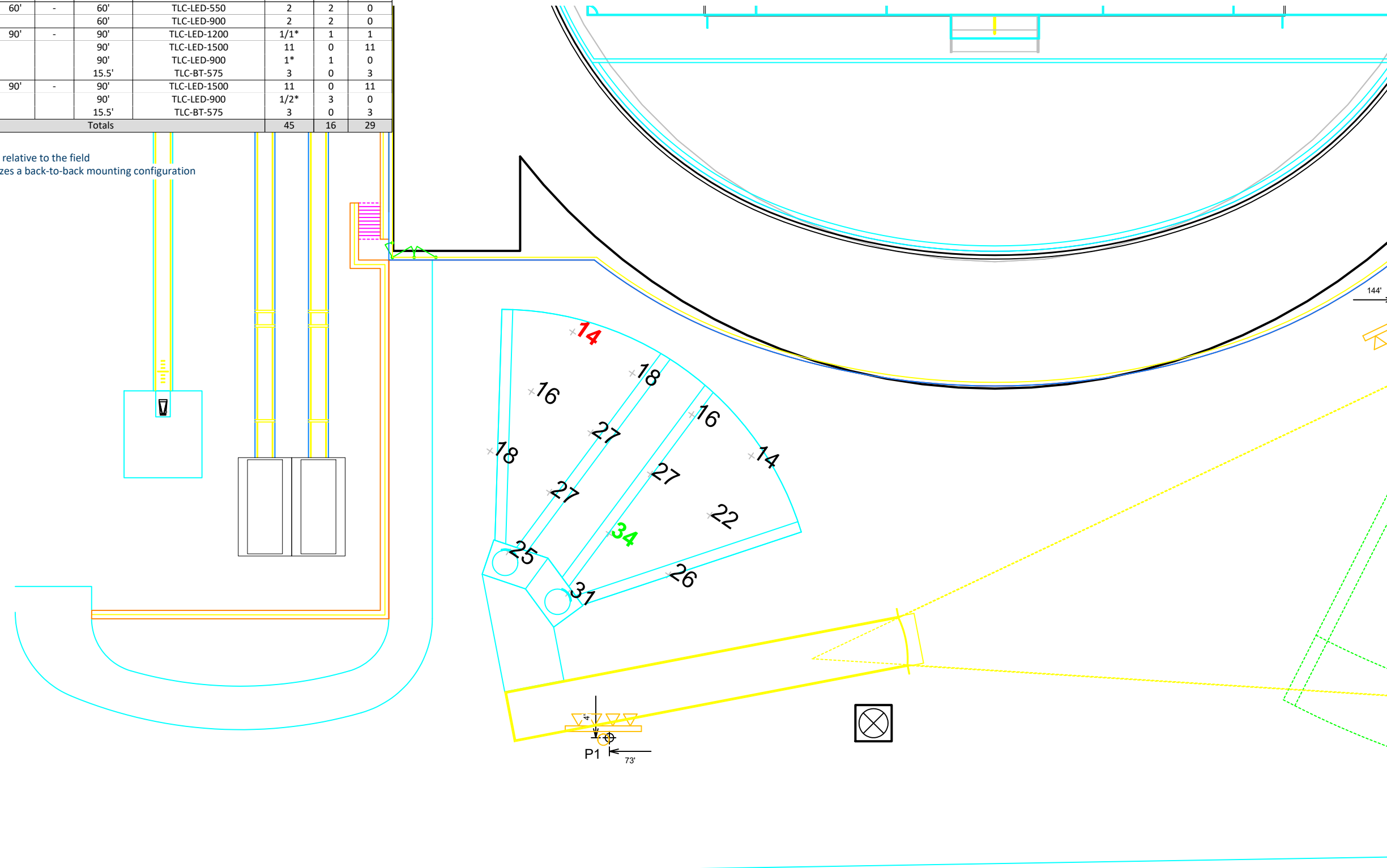
*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration

Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Shot Put
Size:	10' x 10'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Scan Average:	22.34
Maximum:	34
Minimum:	14
Avg/Min:	1.64
Max/Min:	2.50
UG (adjacent pts):	1.69
CU:	0.07
No. of Points:	14
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	16
Total Load:	13.98 kW

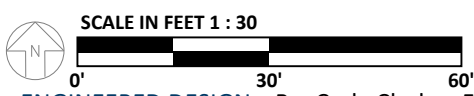


Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

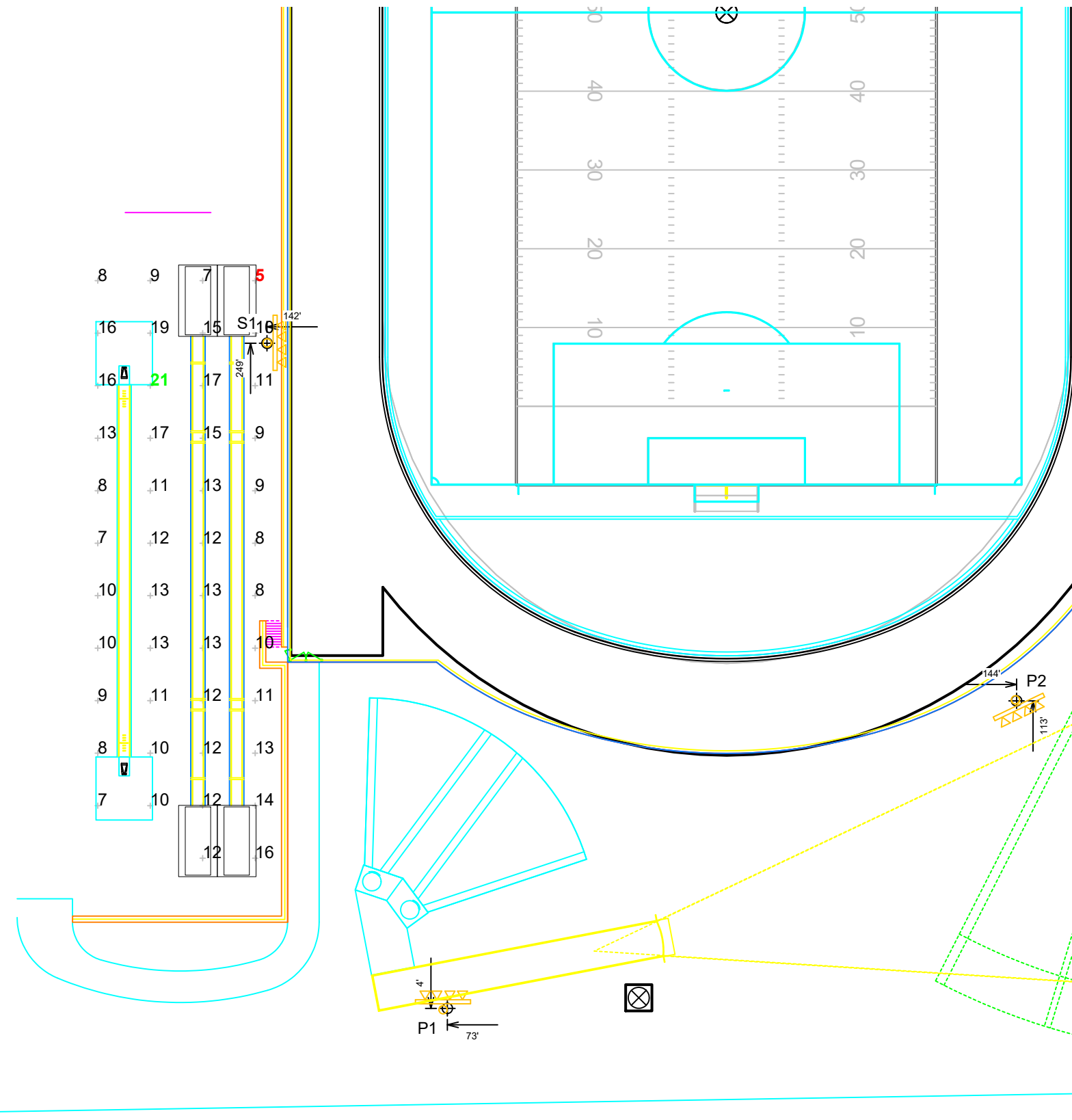


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
1	P2	50'	-	50'	TLC-LED-900	3	3	0
1	P3	60'	-	60'	TLC-LED-550	2	2	0
				60'	TLC-LED-900	2	2	0
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1*	1	0
				15.5'	TLC-BT-575	3	0	3
1	S4	90'	-	90'	TLC-LED-1500	11	0	11
				90'	TLC-LED-900	1/2*	3	0
				15.5'	TLC-BT-575	3	0	3
5				Totals		45	16	29

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



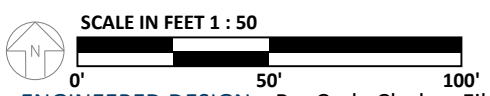
Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Long Jump
Size:	10' x 10'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Scan Average:	11.68
Maximum:	21
Minimum:	5
Avg/Min:	2.18
Max/Min:	3.87
UG (adjacent pts):	2.20
CU:	0.13
No. of Points:	46
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	16
Total Load:	13.98 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

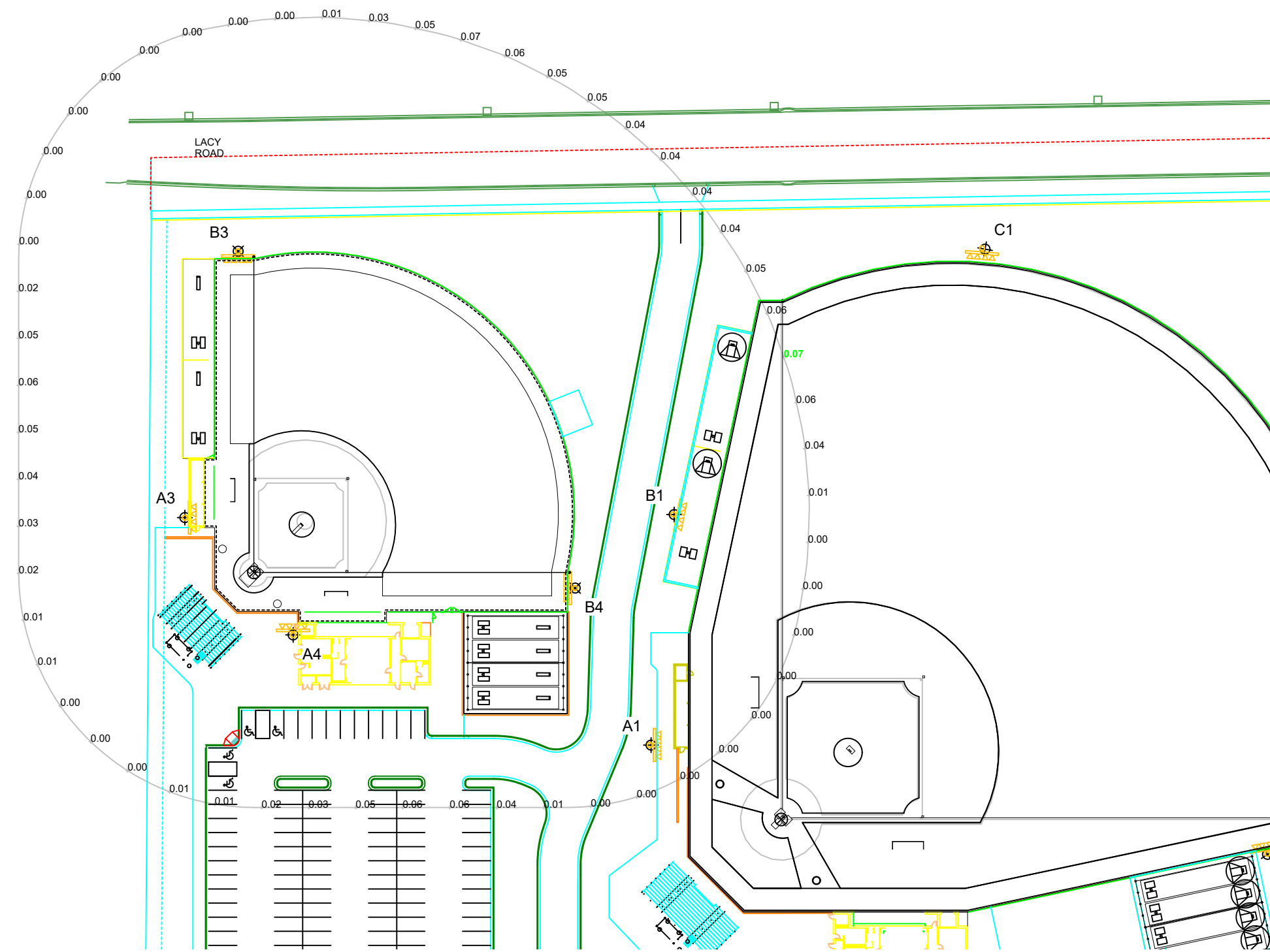


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	70'	-	70'	TLC-LED-1500	6	6	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					26	26	0

*Above Grade level relative to the field



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Softball Spill @ 3ft.
Spacing:	30.0'
Height:	3.0' above grade

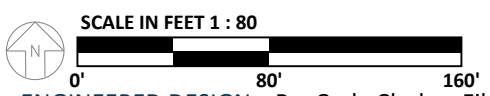
Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0242
Maximum:	0.07
Minimum:	0.00
CU:	0.00
No. of Points:	56
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	26
Total Load:	27.99 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	70'	-	70'	TLC-LED-1500	6	6	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					26	26	0

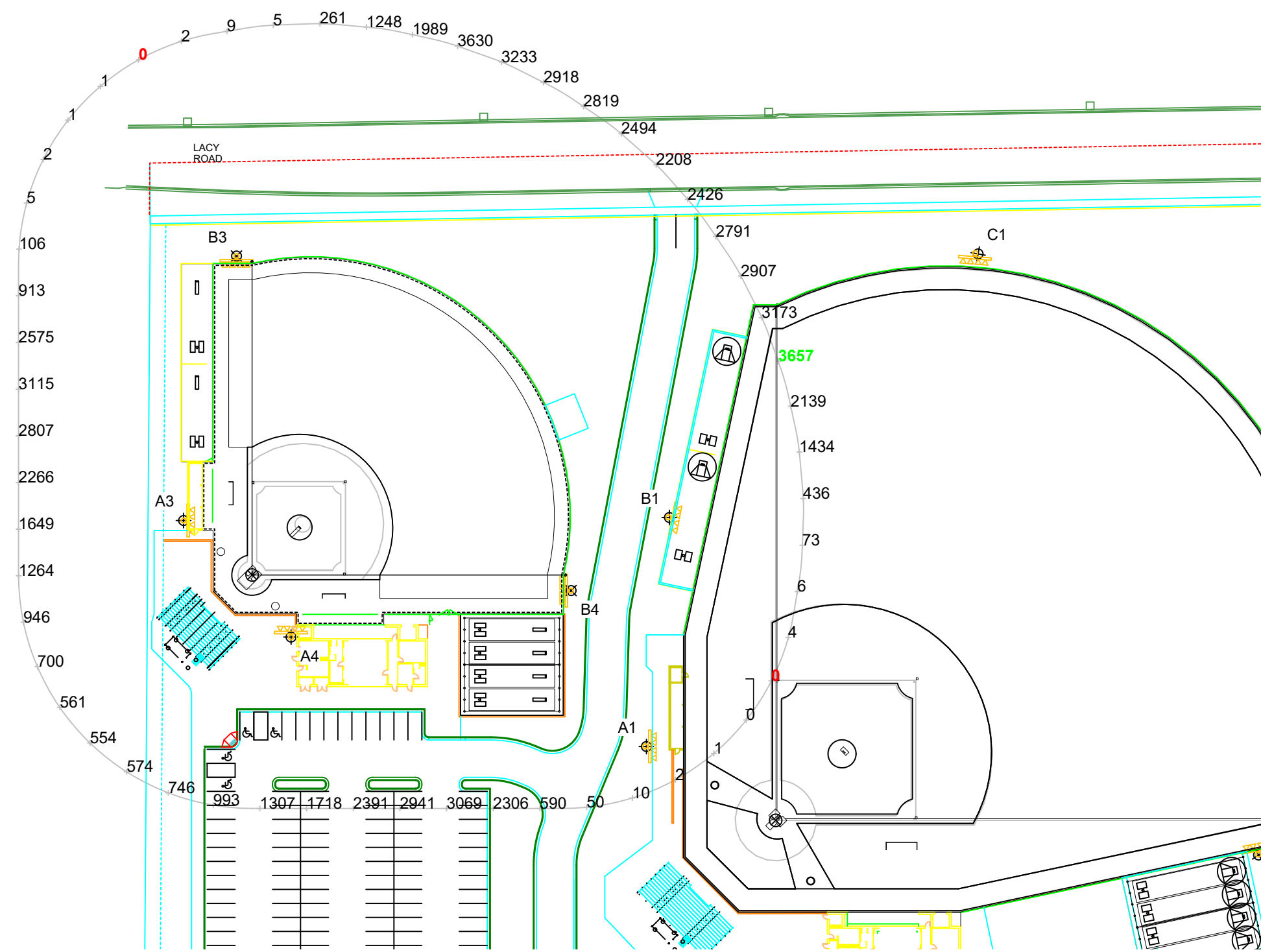
*Above Grade level relative to the field

Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Softball Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

Illumination Summary	
	INITIAL CANDELA (PER FIXTURE)
Entire Grid	
Scan Average:	1321.8959
Maximum:	3656.67
Minimum:	0.00
CU:	0.00
No. of Points:	56
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	26
Total Load:	27.99 kW

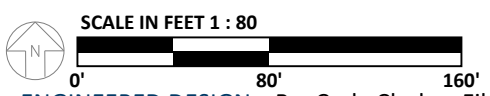


Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

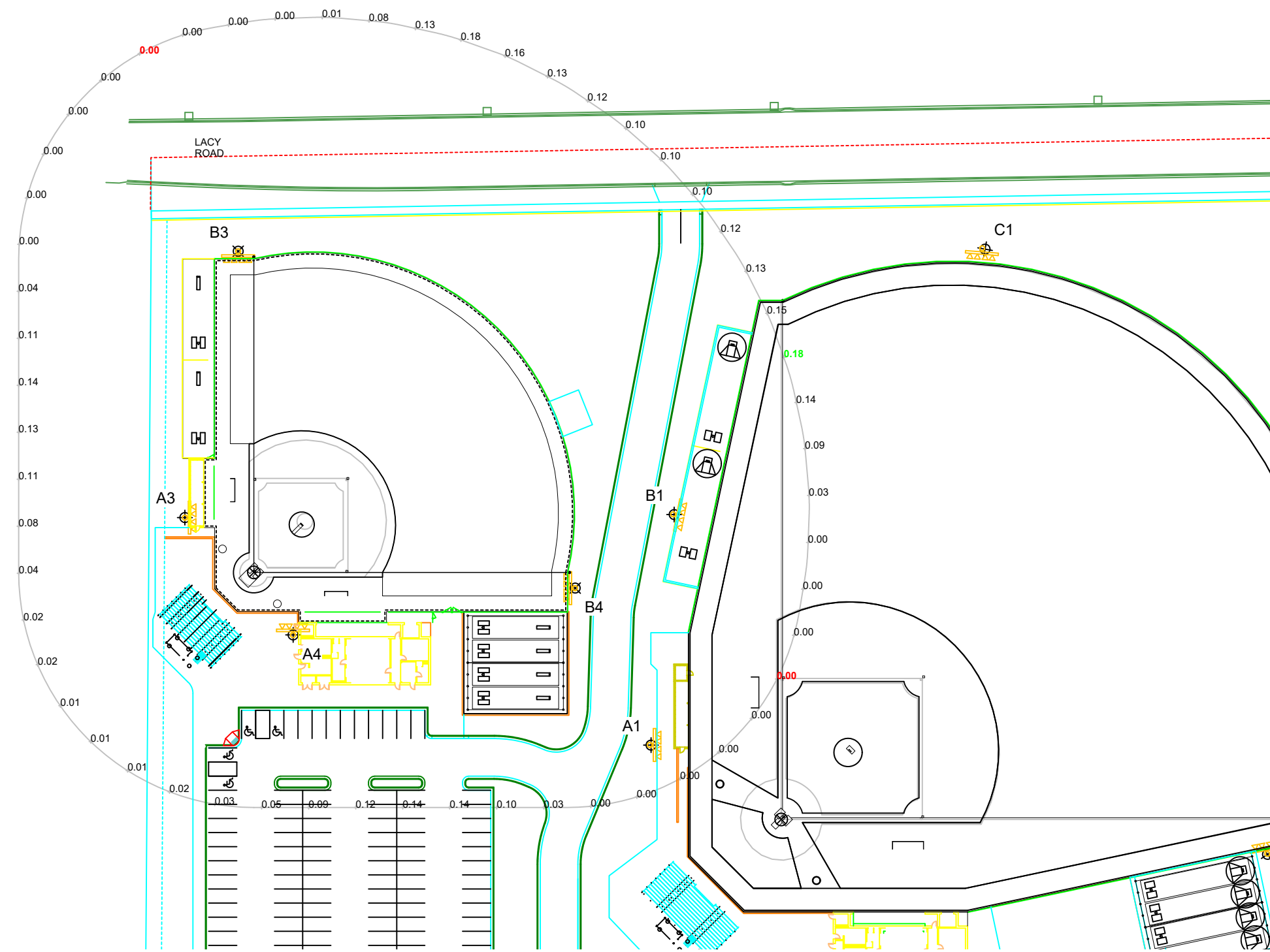


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	70'	-	70'	TLC-LED-1500	6	6	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					26	26	0

*Above Grade level relative to the field



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Softball Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

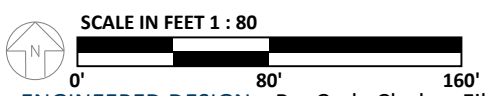
Illumination Summary	
INITIAL MAX VERTICAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0604
Maximum:	0.18
Minimum:	0.00
CU:	0.00
No. of Points:	56
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	26
Total Load:	27.99 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-1200	2	2	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	A2	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	B1	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
1	B2	90'	-	90'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
1	C1	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
1	C2	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	3	3	0
				15.5'	TLC-BT-575	3	3	0
6	Totals					64	64	0

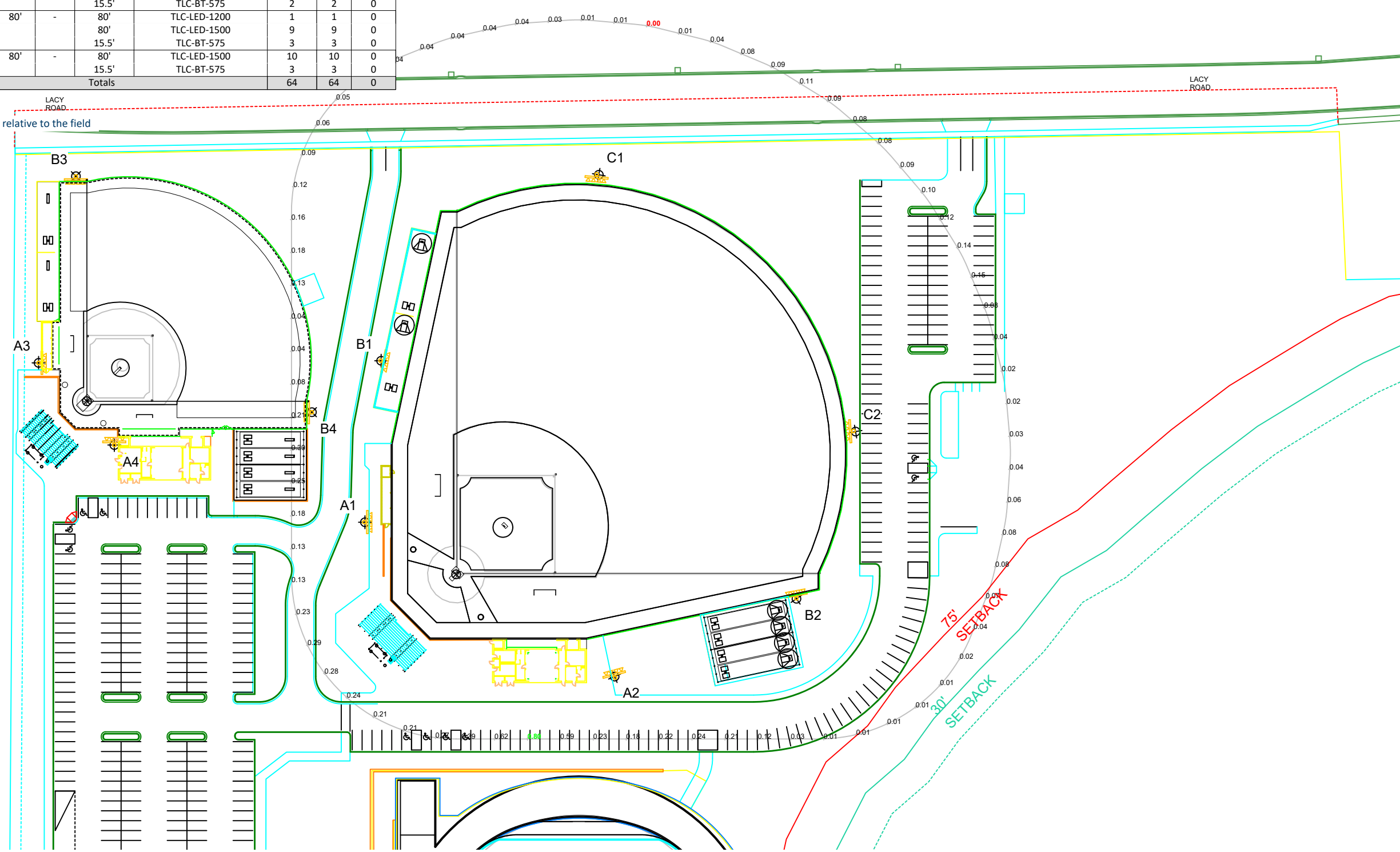
Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Baseball Spill @ 3ft.
Spacing:	30.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.1304
Maximum:	0.80
Minimum:	0.00
CU:	0.00
No. of Points:	74
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	64
Total Load:	77.35 kW

*Above Grade level relative to the field



Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 100
 0' 100' 200'
 ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-1200	2	2	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	A2	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	B1	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
1	B2	90'	-	90'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
1	C1	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
1	C2	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	3	3	0
6				Totals	64	64	0	

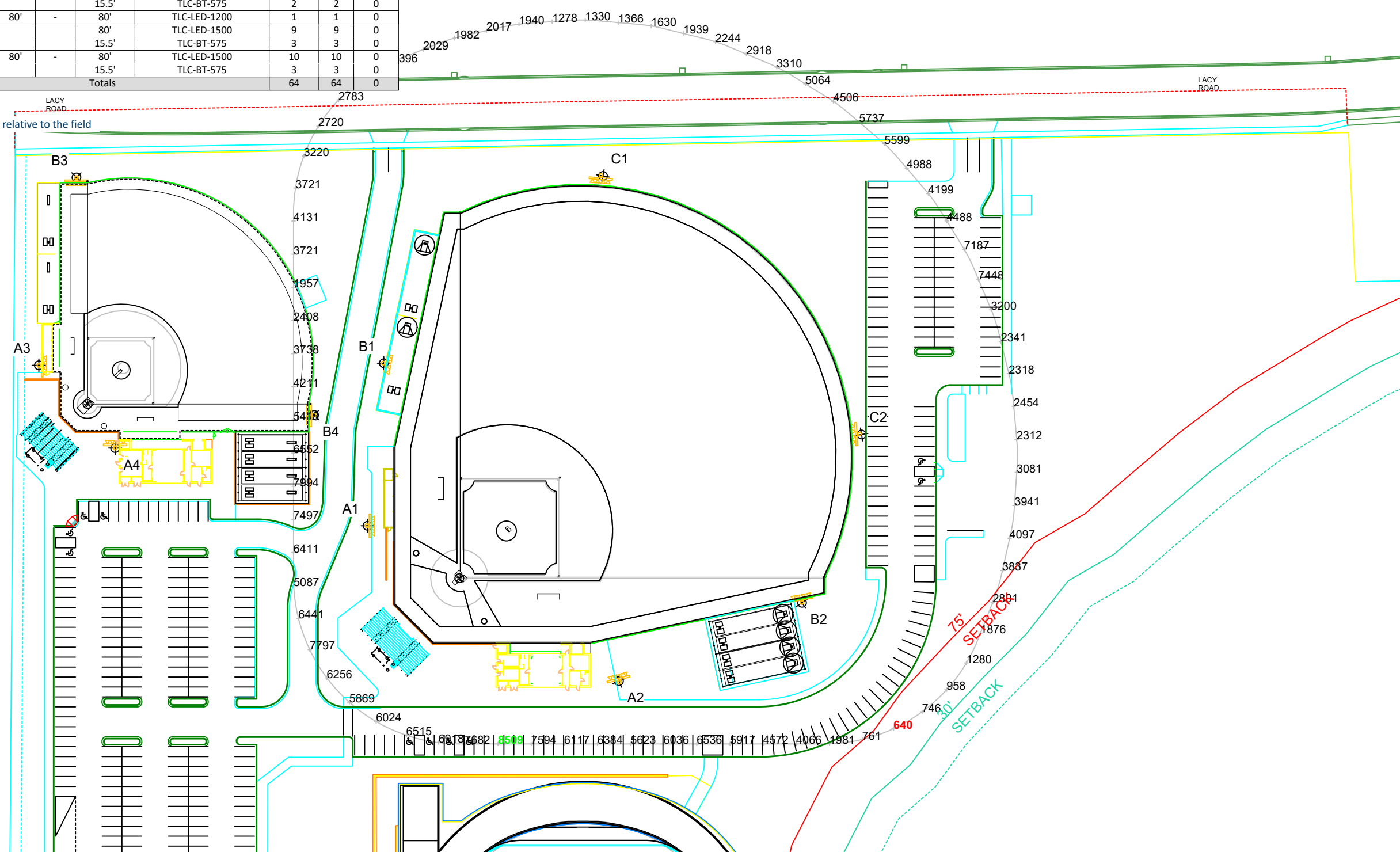
Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Baseball Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

Illumination Summary	
	INITIAL CANDELA (PER FIXTURE)
Scan Average:	4106.4873
Maximum:	8509.04
Minimum:	640.29
CU:	0.00
No. of Points:	74
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	64
Total Load:	77.35 kW

*Above Grade level relative to the field

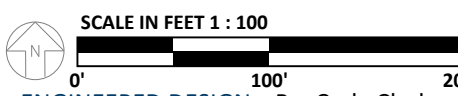


Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

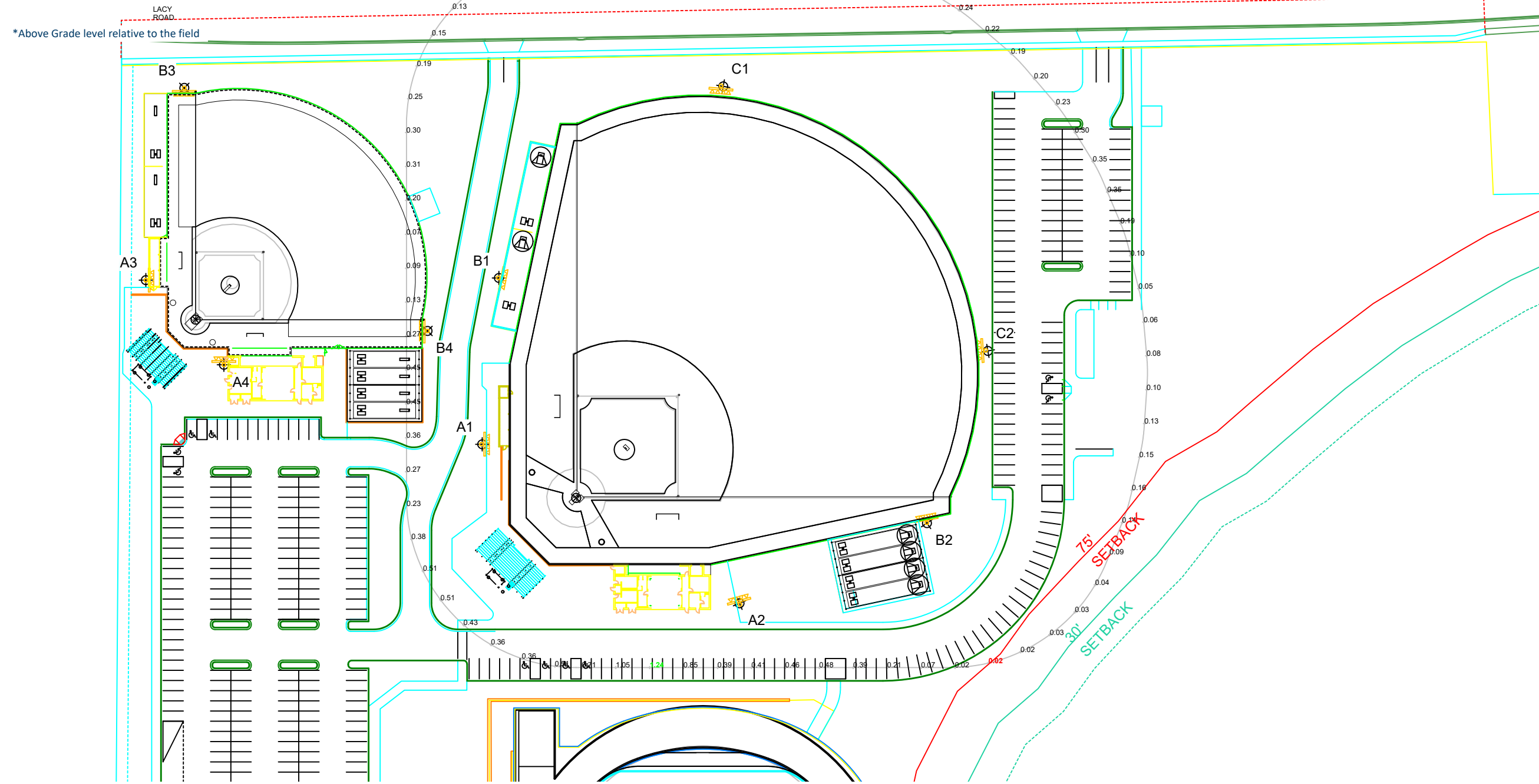
Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-1200	2	2	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	A2	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	5	5	0
				15.5'	TLC-BT-575	2	2	0
1	B1	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
1	B2	90'	-	90'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
1	C1	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
1	C2	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	3	3	0
				15.5'	TLC-BT-575	3	3	0
6	Totals					64	64	0

Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Baseball Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

Illumination Summary	
INITIAL MAX VERTICAL FOOTCANDLES	
Entire Grid	0.2456
Scan Average:	0.2456
Maximum:	1.24
Minimum:	0.02
CU:	0.00
No. of Points:	74
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	64
Total Load:	77.35 kW



Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 100
 0' 100' 200'
 ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

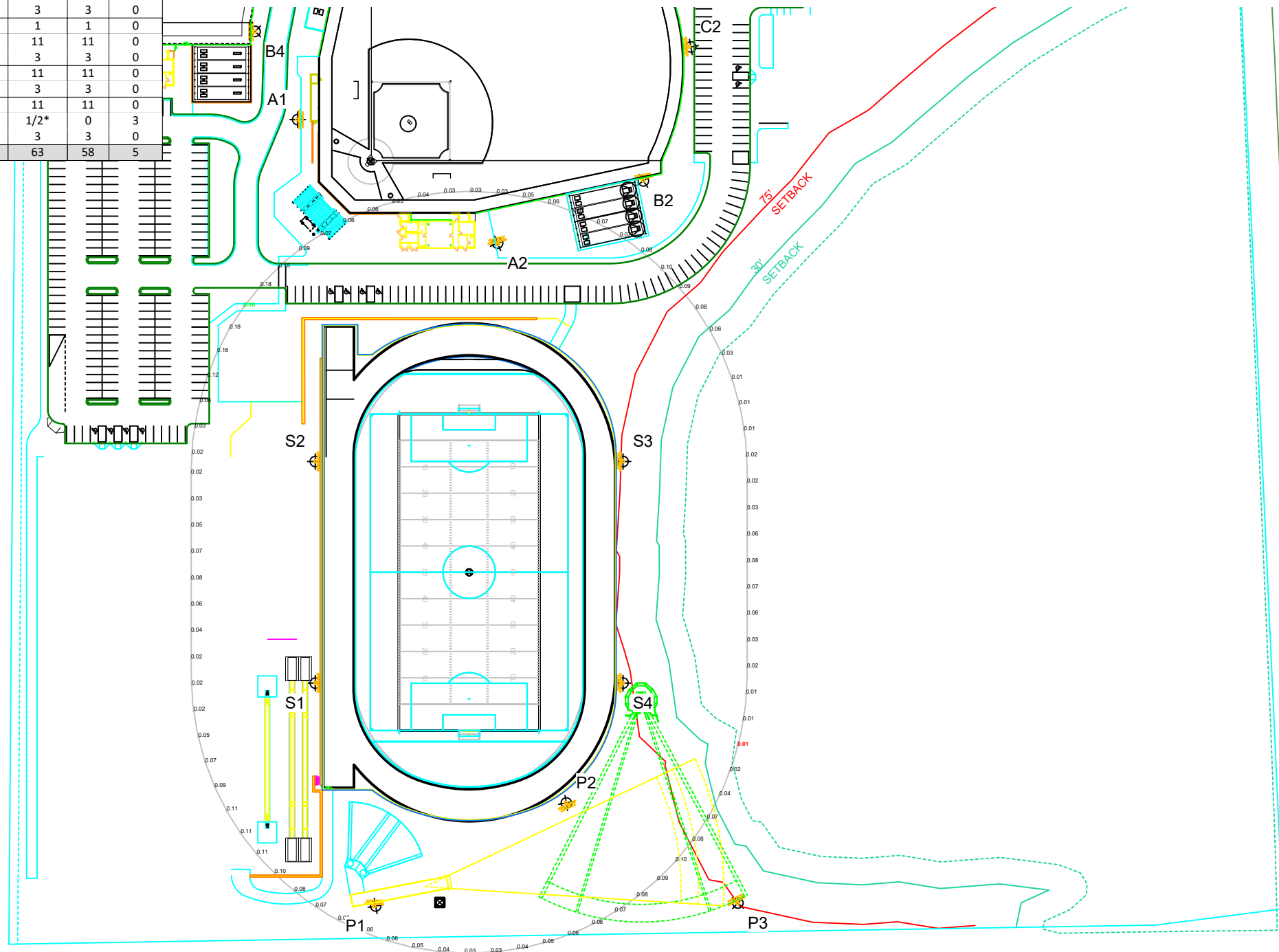


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				15.5'	TLC-BT-575	3	3	0
				15.5'	TLC-LED-1500	11	11	0
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
4				Totals		63	58	5

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Track Spill @ 3ft.
Spacing:	30.0'
Height:	3.0' above grade

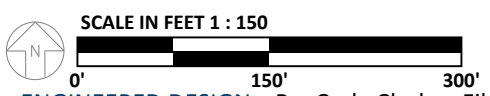
Illumination Summary	
	INITIAL HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	0.0619
Maximum:	0.18
Minimum:	0.01
CU:	0.00
No. of Points:	82
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

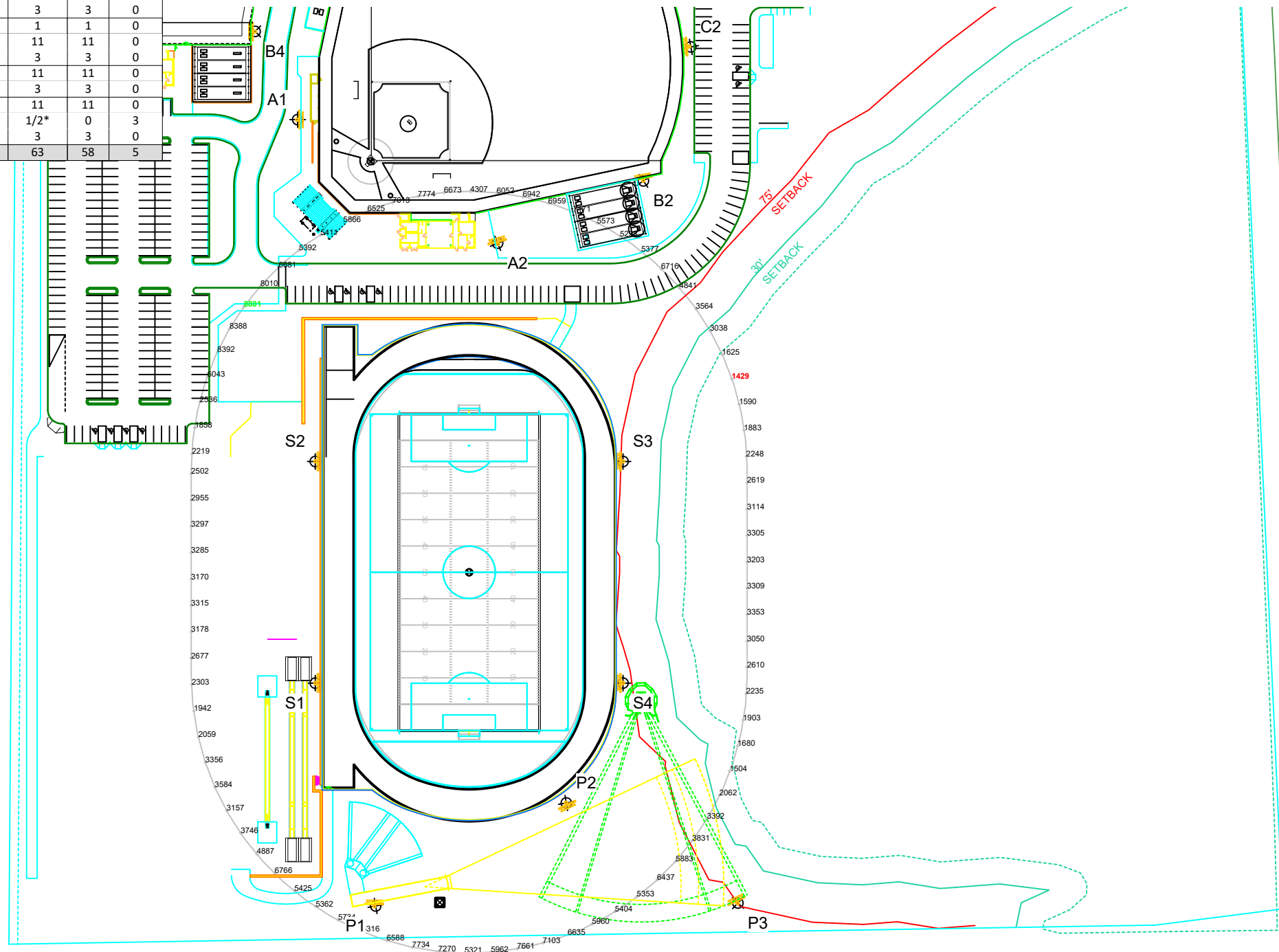


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	11	11	0
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
				15.5'	TLC-BT-575	3	3	0
4				Totals		63	58	5

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Track Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

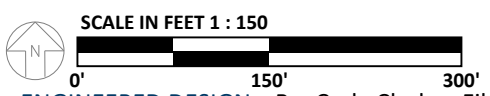
Illumination Summary	
	INITIAL CANDELA (PER FIXTURE)
Scan Average:	4580.9180
Maximum:	8801.25
Minimum:	1429.07
CU:	0.00
No. of Points:	82
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

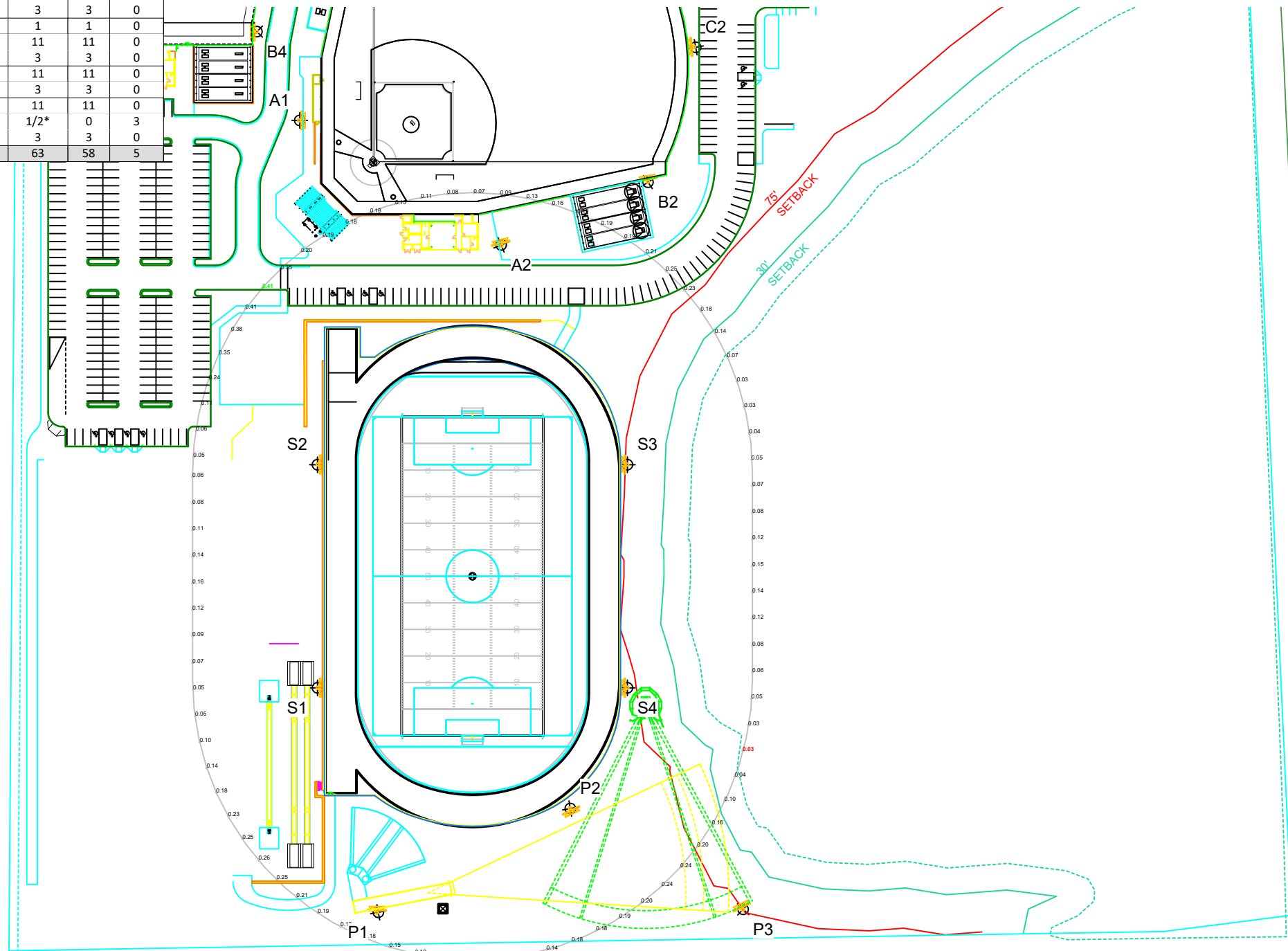


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	S1	90'	-	90'	TLC-LED-1200	1/1*	1	1
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S2	90'	-	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1*	0	1
				15.5'	TLC-BT-575	3	3	0
1	S3	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-1500	11	11	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	11	11	0
1	S4	90'	-	90'	TLC-LED-1500	11	11	0
				90'	TLC-LED-900	1/2*	0	3
				15.5'	TLC-BT-575	3	3	0
				Totals			63	58

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Edgewood College

Fitchburg, WI

Grid Summary	
Name:	Track Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

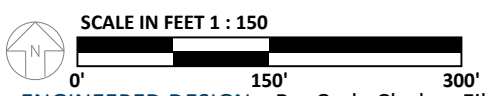
Illumination Summary	
INITIAL MAX VERTICAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.1491
Maximum:	0.41
Minimum:	0.03
CU:	0.00
No. of Points:	82
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	58
Total Load:	71.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



ENGINEERED DESIGN By: Cody Clark • File #212966E2 • 07-Mar-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Edgewood College

Fitchburg, WI

Equipment Layout

INCLUDES:

- Baseball
- Football
- Soccer
- Softball
- Track
- Track and Field

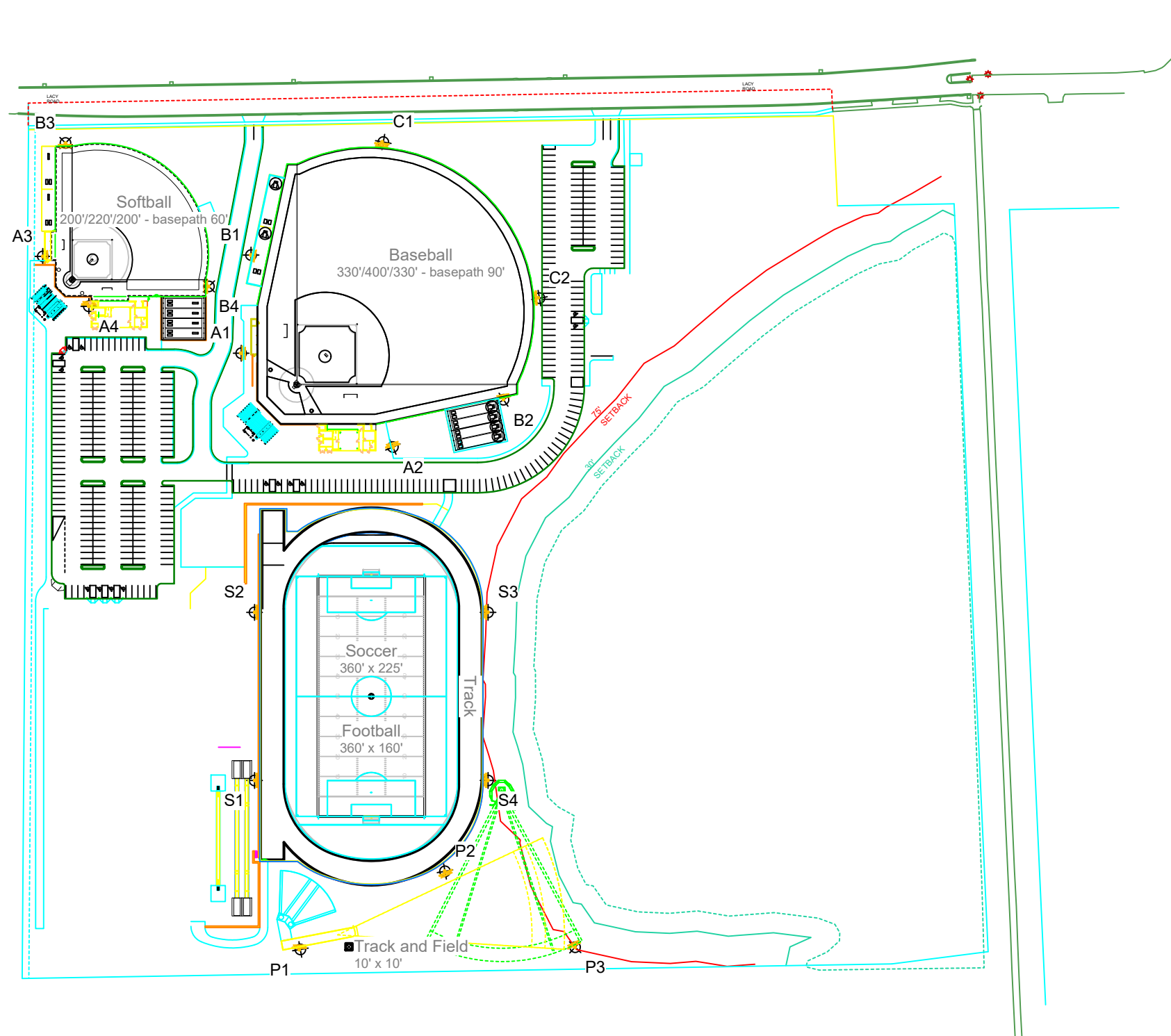
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

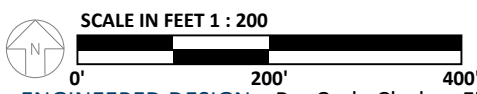
Equipment List For Areas Shown

QTY	LOCATION	Pole SIZE	GRADE ELEVATION	Luminaires		
				ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
1	A1	80'	-	80'	TLC-LED-1200	2
				80'	TLC-LED-1500	5
				15.5'	TLC-BT-575	2
1	A2	80'	-	80'	TLC-LED-1200	1
				80'	TLC-LED-1500	5
				15.5'	TLC-BT-575	2
2	A3-A4	60'	-	60'	TLC-LED-1200	1
				60'	TLC-LED-900	3
				15.5'	TLC-BT-575	1
1	B1	90'	-	90'	TLC-LED-1200	1
				90'	TLC-LED-1500	9
				15.5'	TLC-BT-575	2
1	B2	90'	-	90'	TLC-LED-1500	7
				15.5'	TLC-BT-575	2
2	B3-B4	70'	-	70'	TLC-LED-1500	6
				15.5'	TLC-BT-575	2
1	C1	80'	-	80'	TLC-LED-1200	1
				80'	TLC-LED-1500	9
				15.5'	TLC-BT-575	3
1	C2	80'	-	80'	TLC-LED-1500	10
				15.5'	TLC-BT-575	3
				60'	TLC-LED-1200	1
1	P1	60'	-	60'	TLC-LED-900	3
				60'	TLC-LED-550	2
1	P2	50'	-	60'	TLC-LED-900	2
				60'	TLC-LED-900	2
				90'	TLC-LED-1200	1/1*
1	S1	90'	-	90'	TLC-LED-1500	11
				90'	TLC-LED-900	1*
				15.5'	TLC-BT-575	3
				90'	TLC-LED-1200	1
1	S2	90'	-	90'	TLC-LED-1500	11
				15.5'	TLC-BT-575	3
				90'	TLC-LED-1500	11
1	S3	90'	-	90'	TLC-LED-1500	11
				15.5'	TLC-BT-575	3
				90'	TLC-LED-1500	11
1	S4	90'	-	90'	TLC-LED-1500	11
				90'	TLC-LED-900	1/2*
				15.5'	TLC-BT-575	3

*This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LAYOUT

Edgewood College

Fitchburg, WI

Equipment Layout

INCLUDES:

- Baseball
- Football
- Soccer
- Softball
- Track
- Track and Field

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

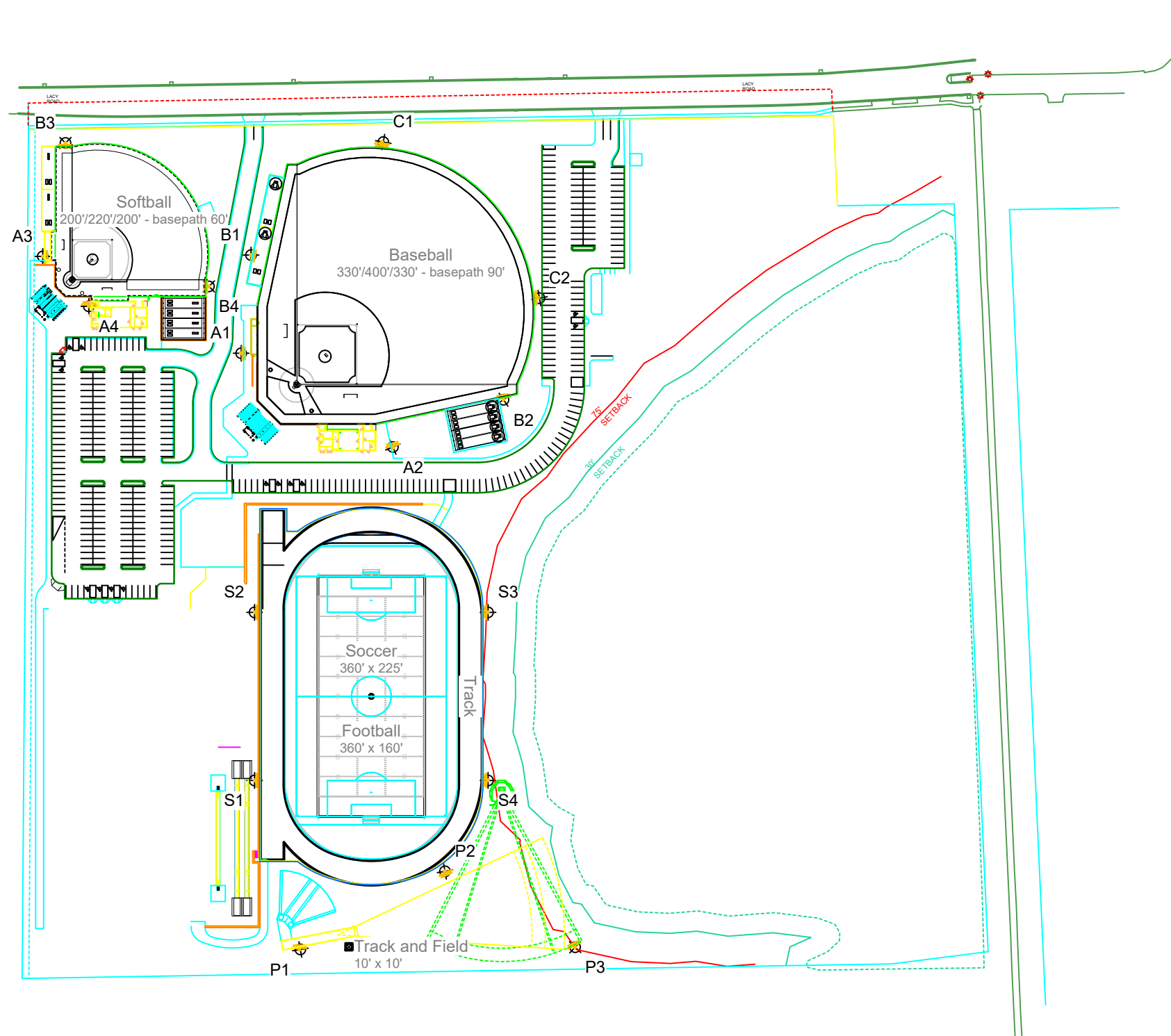
Equipment List For Areas Shown

QTY	LOCATION	SIZE	GRADE ELEVATION	Luminaires		
				ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
17	Totals					164

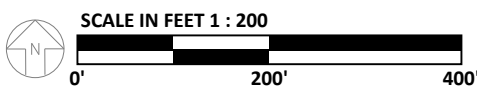
*This structure utilizes a back-to-back mounting configuration

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)					
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	480 (60)
Single Phase Voltage						
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

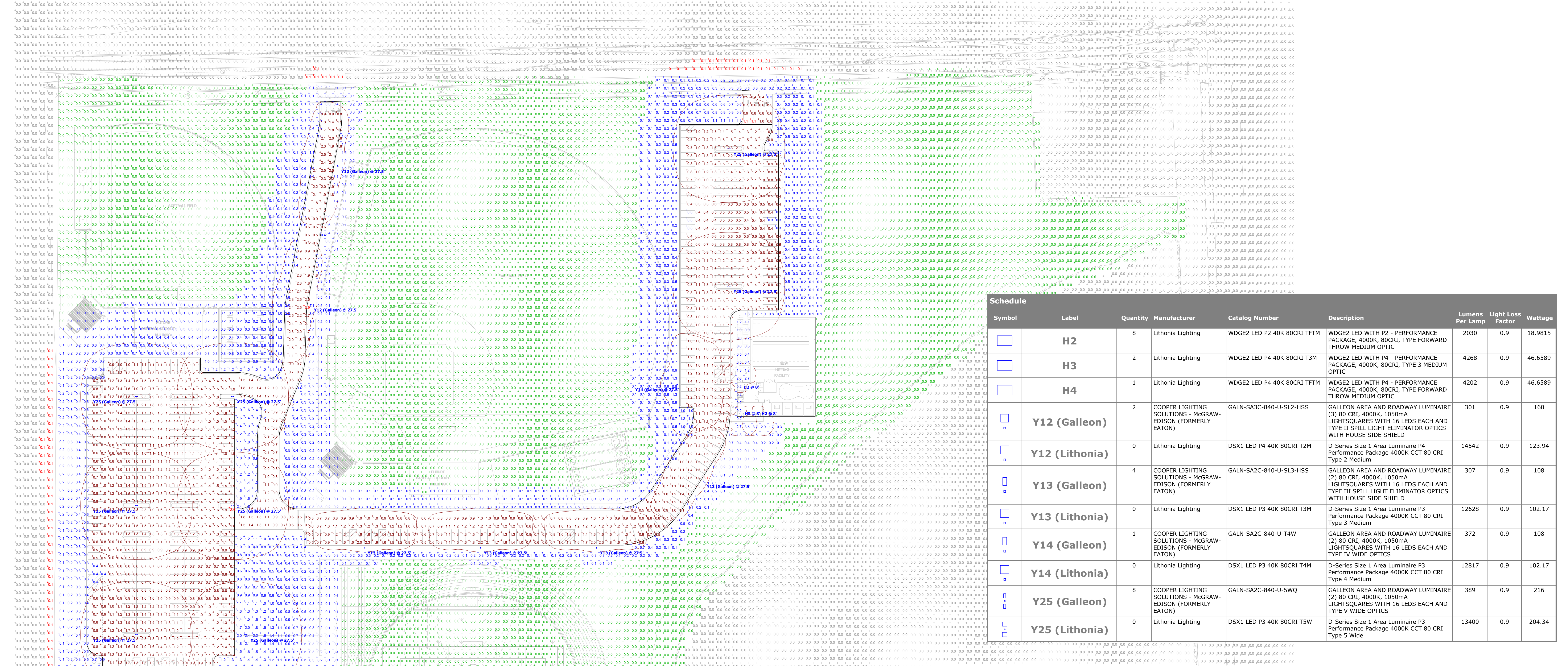


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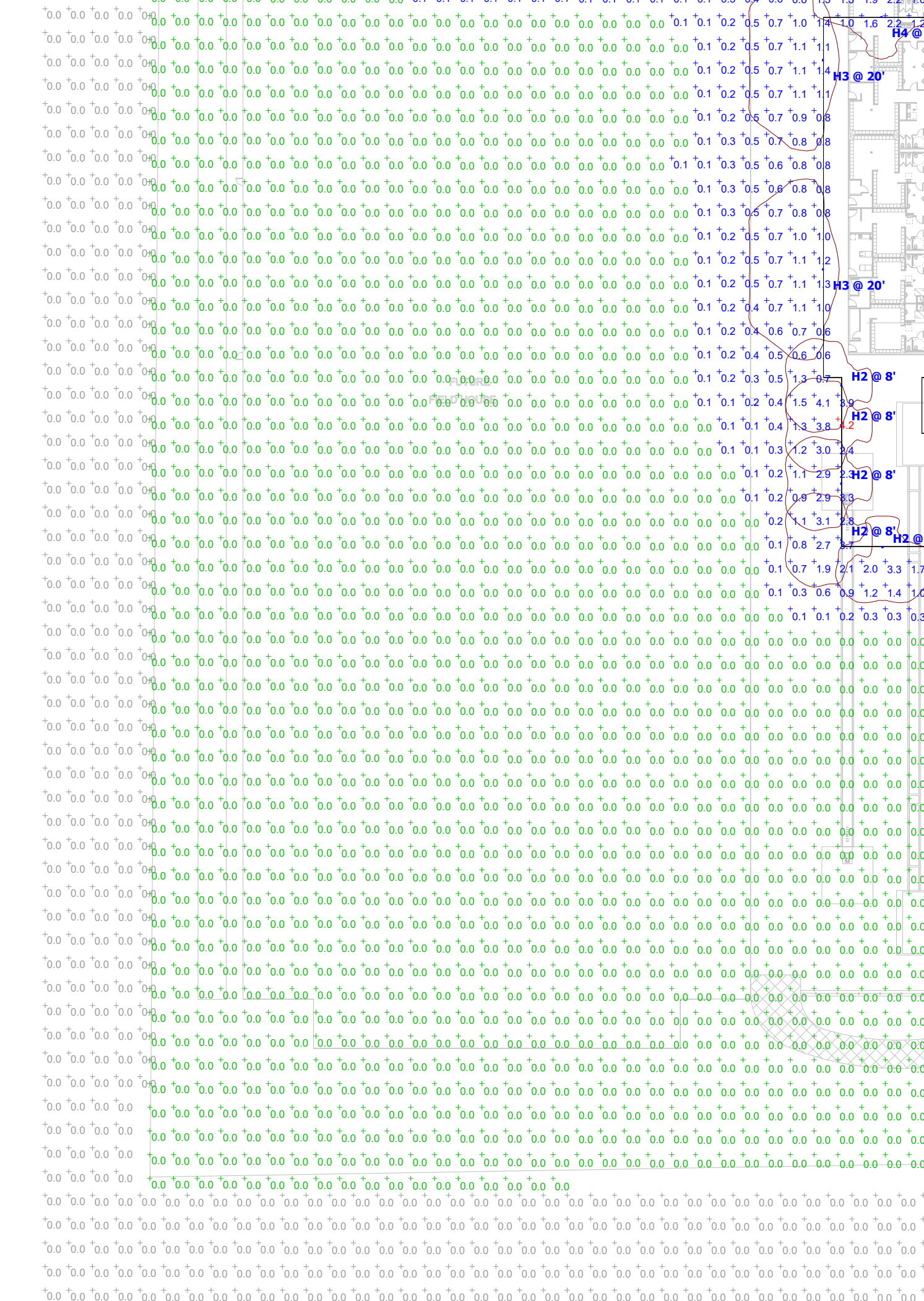
EQUIPMENT LAYOUT



Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Factor	Wattage
[Symbol]	H2	8	Lithonia Lighting	WDGE2 LED P2 40K 80CRI TFTM	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE FORWARD THRU MEDIUM OPTIC	2030	0.9	18,9815
[Symbol]	H3	2	Lithonia Lighting	WDGE2 LED P4 40K 80CRI T3M	WDGE2 LED WITH P4 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE 3 MEDIUM OPTIC	4268	0.9	46,6589
[Symbol]	H4	1	Lithonia Lighting	WDGE2 LED P4 40K 80CRI TFTM	WDGE2 LED WITH P4 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE FORWARD THRU MEDIUM OPTIC	4202	0.9	46,6589
[Symbol]	Y12 (Galleon)	2	COOPER LIGHTING SOLUTIONS - HGRGRAW-EDISON (FORMERLY EATON)	GALN-S4C-840-U-SL2-HSS	GALLEON AREA AND ROADWAY LUMINAIRE (3) 80 CRI, 4000K, 1050mm LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD	301	0.9	160
[Symbol]	Y12 (Lithonia)	0	Lithonia Lighting	DSX1 LED P4 40K 80CRI T2M	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 80 CRI Type 2 Medium	14542	0.9	123.94
[Symbol]	Y13 (Galleon)	4	COOPER LIGHTING SOLUTIONS - HGRGRAW-EDISON (FORMERLY EATON)	GALN-S4C-840-U-SL3-HSS	GALLEON AREA AND ROADWAY LUMINAIRE (2) 80 CRI, 4000K, 1050mm LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD	307	0.9	108
[Symbol]	Y13 (Lithonia)	0	Lithonia Lighting	DSX1 LED P3 40K 80CRI T3M	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 80 CRI Type 3 Medium	12628	0.9	102.17
[Symbol]	Y14 (Galleon)	1	COOPER LIGHTING SOLUTIONS - HGRGRAW-EDISON (FORMERLY EATON)	GALN-S4C-840-U-T4W	GALLEON AREA AND ROADWAY LUMINAIRE (8) 80 CRI, 4000K, 1050mm LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS	372	0.9	108
[Symbol]	Y14 (Lithonia)	0	Lithonia Lighting	DSX1 LED P3 40K 80CRI T4M	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 80 CRI Type 4 Medium	12817	0.9	102.17
[Symbol]	Y25 (Galleon)	8	COOPER LIGHTING SOLUTIONS - HGRGRAW-EDISON (FORMERLY EATON)	GALN-S4C-840-U-SWQ	GALLEON AREA AND ROADWAY LUMINAIRE (2) 80 CRI, 4000K, 1050mm LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS	389	0.9	216
[Symbol]	Y25 (Lithonia)	0	Lithonia Lighting	DSX1 LED P3 40K 80CRI T5W	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 80 CRI Type 5 Wide	13400	0.9	204.34

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EAST-DRIVE	+	0.7 fc	1.1 fc	0.3 fc	3.7:1	2.3:1
EAST-PARKING	+	1.0 fc	3.1 fc	0.3 fc	10.3:1	3.3:1
OUTSIDE PROPERTY BOUNDARY @ 4'Ftg	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
SITE	+	1.1 fc	4.2 fc	0.0 fc	N/A	N/A
WEST-DRIVE	+	0.3 fc	2.9 fc	0.4 fc	7.3:1	3.3:1
WEST-PARKING	+	1.2 fc	2.4 fc	0.4 fc	6.0:1	3.0:1



Project		Catalog #		Type	Y12
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 13](#)

Quick Facts

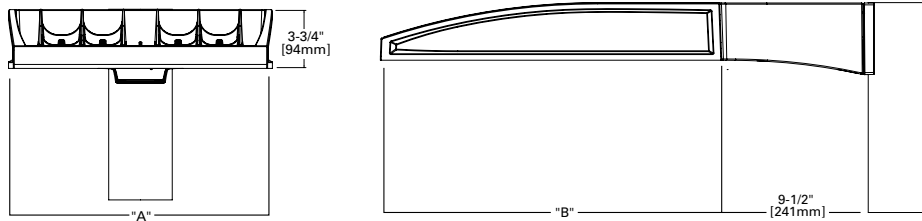
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt

Connected Systems

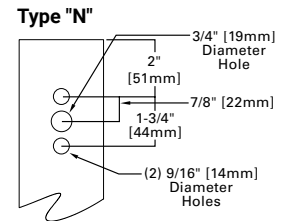
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

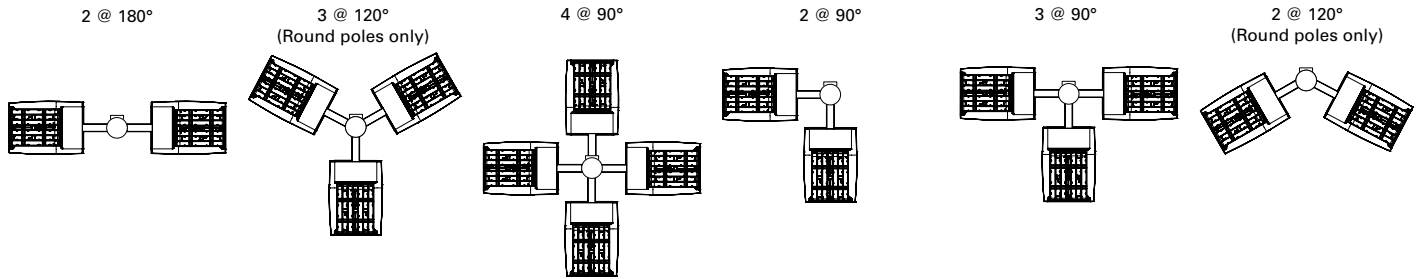
Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

Product Family ^{1,2}	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁴	SA =16 LED Light Square SB =26 LED Light Square ²⁵	1=1 Light Square 2=2 Light Squares 3=3 Light Squares 4=4 Light Squares 5=5 Light Squares 6=6 Light Squares 7=7 Light Squares 8=8 Light Squares 9=9 Light Squares	A =Output Level 1 B =Output Level 2 C =Output Level 3 D =Output Level 4 ^{4, 16} Z =Configured Output ³²	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K 835 =80CRI, 3500K 840 =80CRI, 4000K 930 =90CRI, 3000K 935 =90CRI, 3500K 940 =90CRI, 4000K 950 =90CRI, 5000K AMB =Amber ^{14, 16}	U =120-277V H =347V-480V ^{7, 29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7, 29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28, 29, 30}	T1 =Type I T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AFL =Automotive Frontline	[blank] =Standard Pole Mount Arm QU =Quick Mount Universal Arm QM =Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =3" Slipfitter, Adjustable ⁸ SP2 =2-3/8" Slipfitter, Adjustable ⁸ QMA =Quick Mount Mast Arm, Fixed MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient ¹⁶ HSS =Installed House Side Shield ¹⁷ GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ³³ MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ³³ WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{18, 12, 34} WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{18, 12, 34} WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{18, 12, 34} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{18, 12, 13, 34} DIM10-L20 =AirMesh Occupancy Sensor (9'-20' Mounting) ^{18, 36} DIM10-L40 =AirMesh Occupancy Sensor (21'-40' Mounting) ^{18, 36}			OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield ^{9, 17} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9, 22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9, 22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11, 18, 36} TL7-G1-HV = AirMesh 7-PIN node, 110-480V ^{11, 18, 36} CBSSW-450-002 = AirMesh central base station with 5-button control		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option. 4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinX or 20kV surge option. 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. HA option not available with Output Level 4 or AMB Amber. 17. Not for use with T1, SNQ, 5MQ, 5WQ or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4. 22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB. 31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). 35. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions. 36. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.								

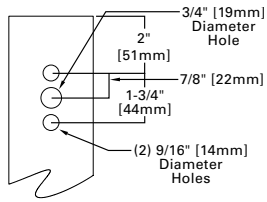
Mounting Details

Pole Configuration Options

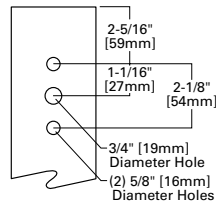


Pole Drilling Patterns

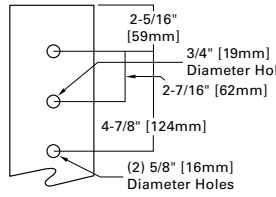
Type "N"



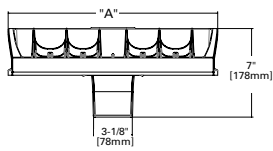
Type "R"



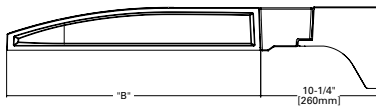
Type "M"



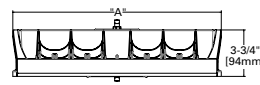
Quick Mount Universal Arm (QU)



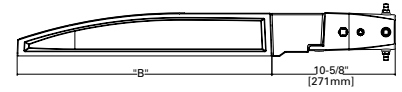
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns



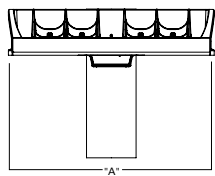
Quick Mount Mast Arm (QMA)



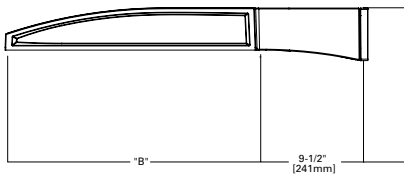
*NOTE: Fits 2-3/8" O.D. tenon



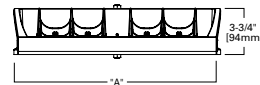
Pole Mount Arm with Quick Mount Adaptor (QM)



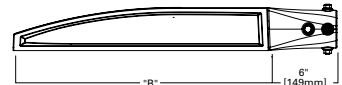
*NOTE: Use Type N drilling pattern



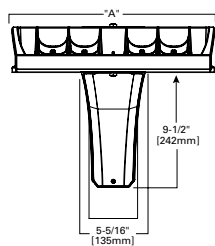
Mast Arm, Fixed (MA)



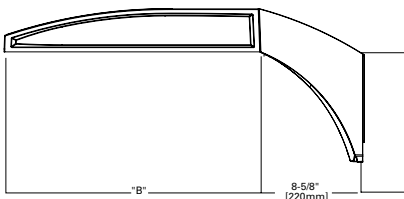
*NOTE: Fits 2-3/8" O.D. tenon



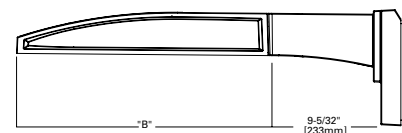
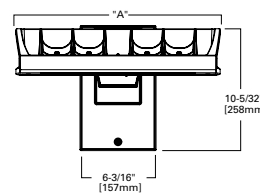
Upswept Arm (UP)



*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

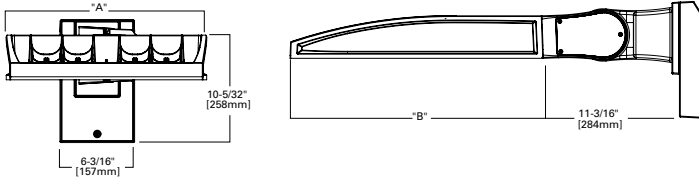


Wall Mount, Fixed (WM)



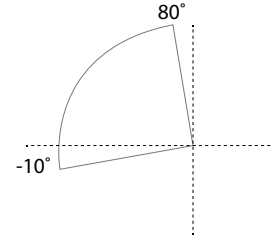
Mounting Details

Wall Mount, Adjustable (WA)

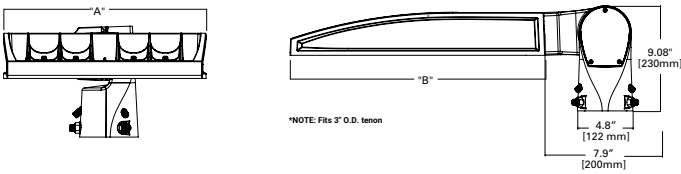


Adjustable Arm Range of Motion

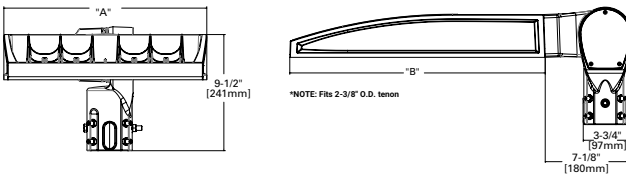
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



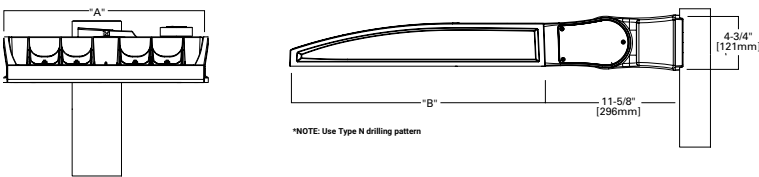
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



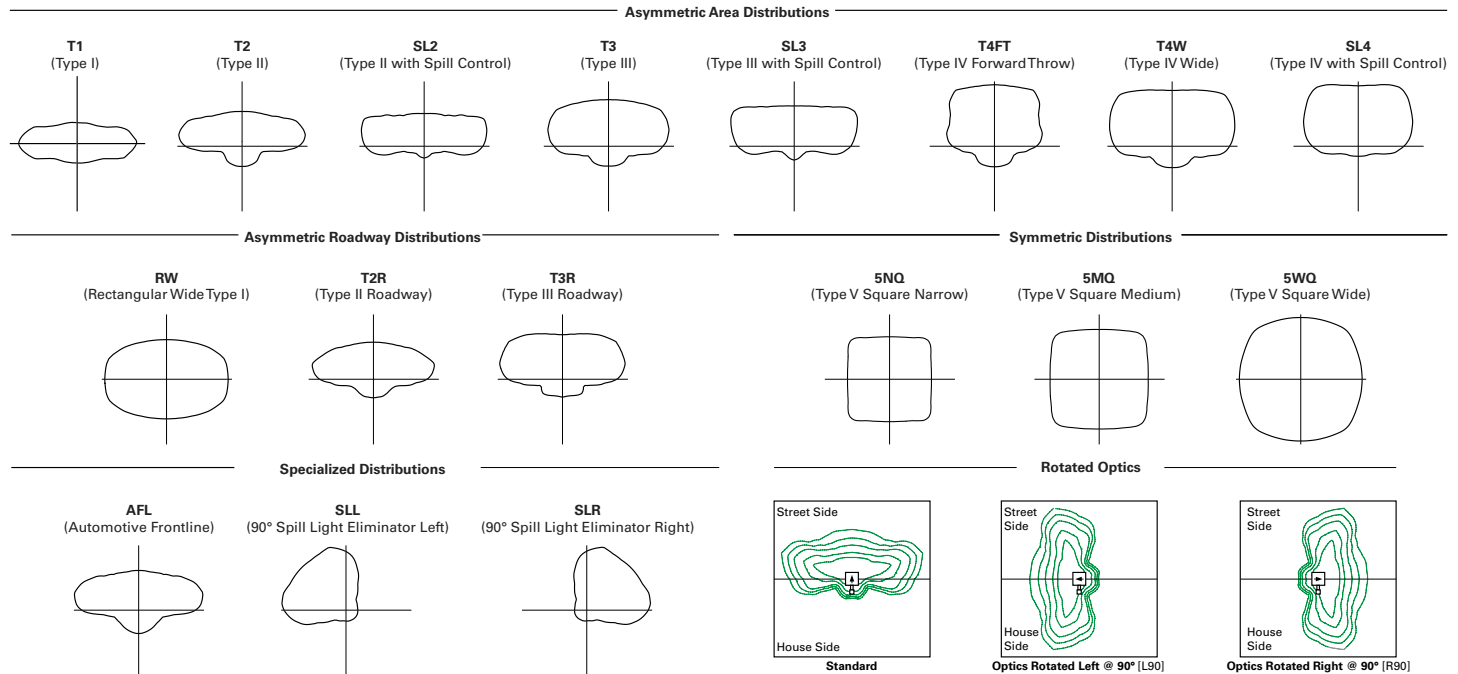
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

* Supported by IES TM-21 standards
 ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	33	63	93	121	154	182	215	244	274	
Input Current @ 120V	0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335	
Input Current @ 208V	0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379	
Input Current @ 240V	0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194	
Input Current @ 277V	0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057	
Input Current @ 347V	0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816	
Input Current @ 480V	0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600	
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

[Galleon II IES Files](#)

[Supplemental Lumen Tables](#)

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	44	82	121	164	204	243	286	325	364	
Input Current @ 120V	0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041	
Input Current @ 208V	0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782	
Input Current @ 240V	0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531	
Input Current @ 277V	0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347	
Input Current @ 347V	0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065	
Input Current @ 480V	0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775	
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	65	125	184	245	309	368	433	493	552	
Input Current @ 120V	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
Input Current @ 208V	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
Input Current @ 240V	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
Input Current @ 277V	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
Input Current @ 347V	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
Input Current @ 480V	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

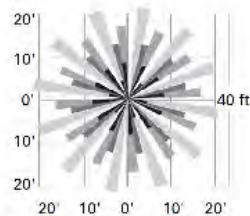
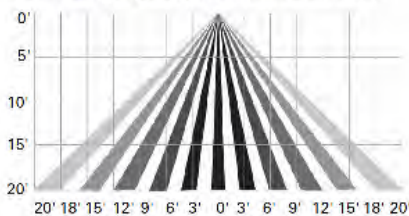
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

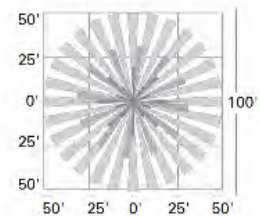
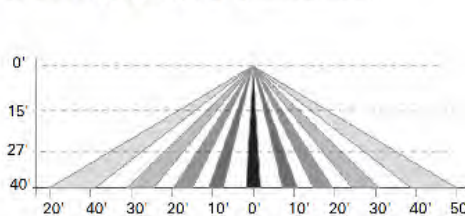
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)

AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

Project		Catalog #		Type	Y13
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 13](#)

Quick Facts

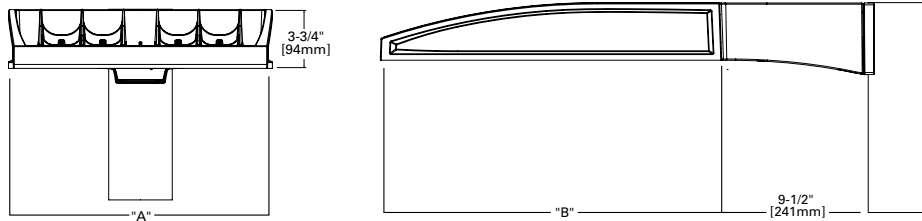
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt

Connected Systems

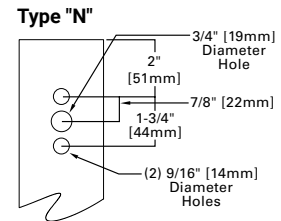
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

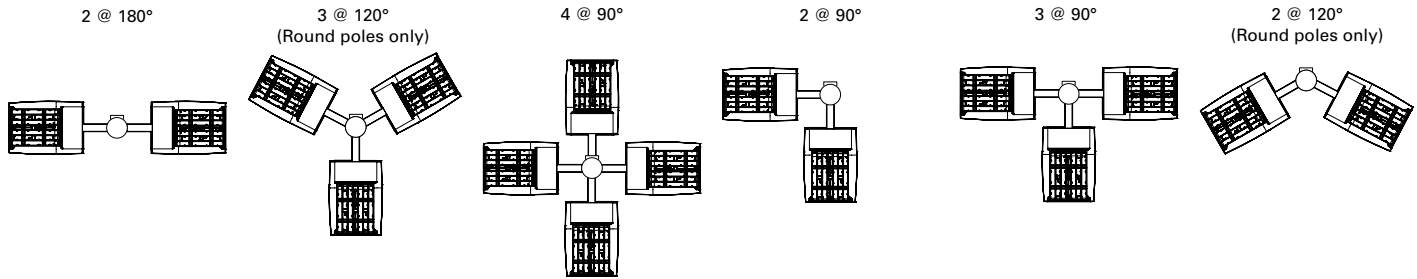
Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

Product Family ^{1,2}	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁴	SA =16 LED Light Square SB =26 LED Light Square ²⁵	1 =1 Light Square 2 =2 Light Squares 3 =3 Light Squares 4 =4 Light Squares 5 =5 Light Squares 6 =6 Light Squares 7 =7 Light Squares 8 =8 Light Squares 9 =9 Light Squares	A =Output Level 1 B =Output Level 2 C =Output Level 3 D =Output Level 4 ^{4, 16} Z =Configured Output ³²	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K 835 =80CRI, 3500K 840 =80CRI, 4000K 930 =90CRI, 3000K 935 =90CRI, 3500K 940 =90CRI, 4000K 950 =90CRI, 5000K AMB =Amber ^{14, 16}	U =120-277V H =347V-480V ^{7, 29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7, 29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28, 29, 30}	T1 =Type I T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AFL =Automotive Frontline	[blank] =Standard Pole Mount Arm QU =Quick Mount Universal Arm QM =Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =3" Slipfitter, Adjustable ⁸ SP2 =2-3/8" Slipfitter, Adjustable ⁸ QMA =Quick Mount Mast Arm, Fixed MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient ¹⁶ HSS =Installed House Side Shield ¹⁷ GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ³³ MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ³³ WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{18, 12, 34} WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{18, 12, 34} WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{18, 12, 34} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{18, 12, 13, 34} DIM10-L20 =AirMesh Occupancy Sensor (9'-20' Mounting) ^{18, 36} DIM10-L40 =AirMesh Occupancy Sensor (21'-40' Mounting) ^{18, 36}			OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield ^{9, 17} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9, 22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9, 22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11, 18, 36} TL7-G1-HV = AirMesh 7-PIN node, 110-480V ^{11, 18, 36} CBSSW-450-002 = AirMesh central base station with 5-button control		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option. 4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinX or 20kV surge option. 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. HA option not available with Output Level 4 or AMB Amber. 17. Not for use with T1, SNQ, 5MQ, 5WQ or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4. 22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB. 31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). 35. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions. 36. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.								

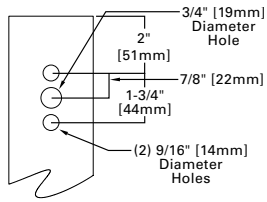
Mounting Details

Pole Configuration Options

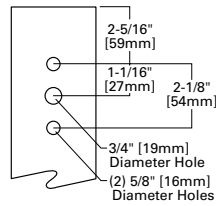


Pole Drilling Patterns

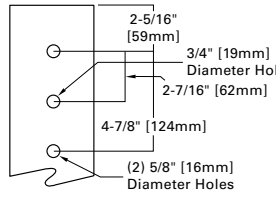
Type "N"



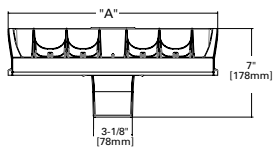
Type "R"



Type "M"

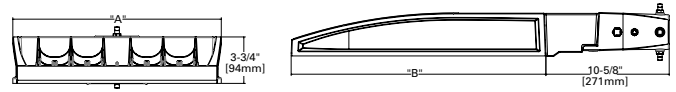


Quick Mount Universal Arm (QU)



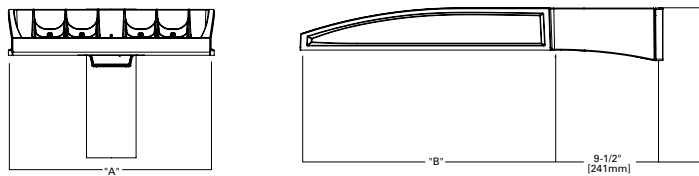
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



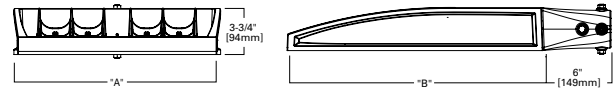
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



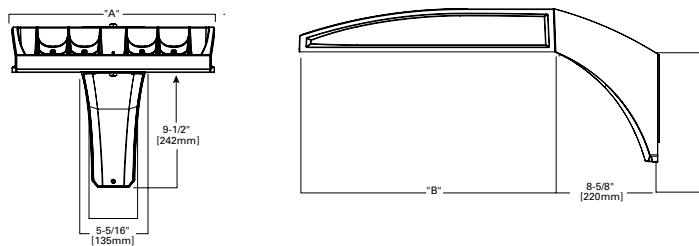
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



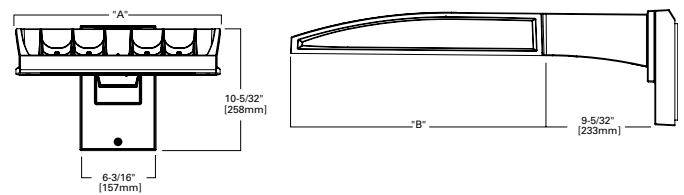
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



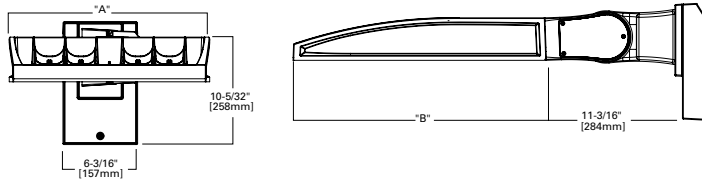
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)



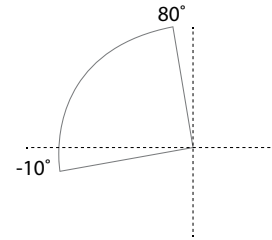
Mounting Details

Wall Mount, Adjustable (WA)

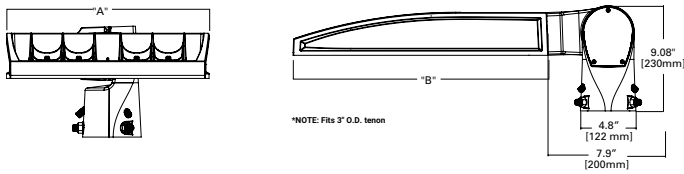


Adjustable Arm Range of Motion

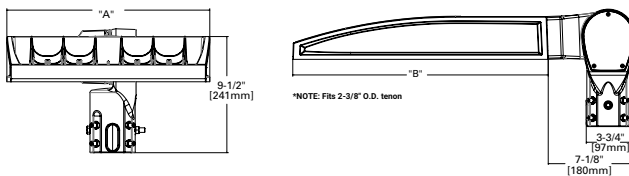
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



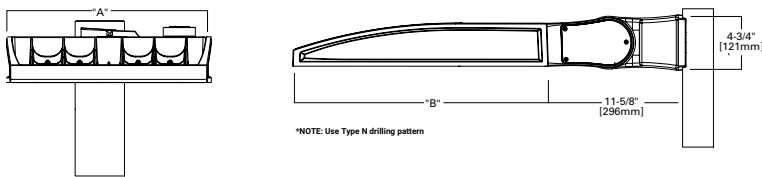
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



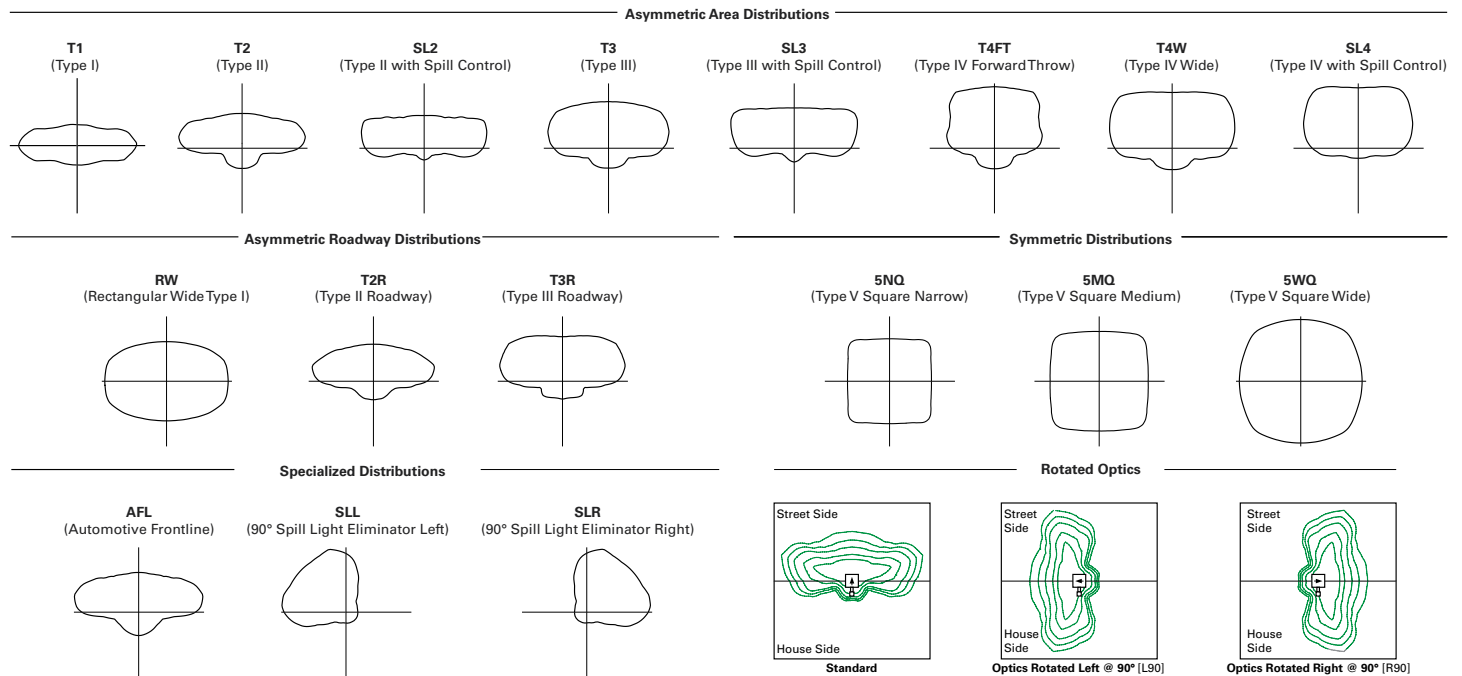
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

* Supported by IES TM-21 standards
 ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	33	63	93	121	154	182	215	244	274	
Input Current @ 120V	0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335	
Input Current @ 208V	0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379	
Input Current @ 240V	0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194	
Input Current @ 277V	0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057	
Input Current @ 347V	0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816	
Input Current @ 480V	0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600	
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	44	82	121	164	204	243	286	325	364	
Input Current @ 120V	0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041	
Input Current @ 208V	0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782	
Input Current @ 240V	0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531	
Input Current @ 277V	0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347	
Input Current @ 347V	0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065	
Input Current @ 480V	0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775	
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/ SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	65	125	184	245	309	368	433	493	552	
Input Current @ 120V	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
Input Current @ 208V	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
Input Current @ 240V	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
Input Current @ 277V	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
Input Current @ 347V	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
Input Current @ 480V	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

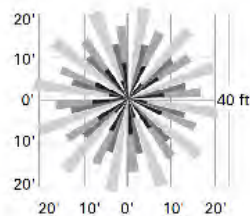
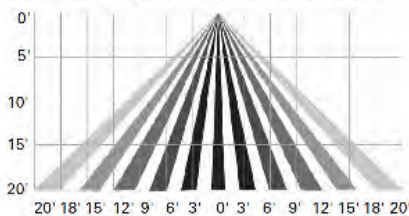
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

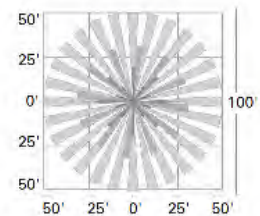
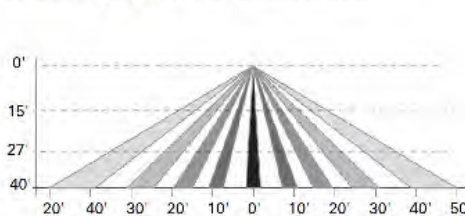
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)

AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

Project		Catalog #		Type	Y14
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 13](#)

Quick Facts

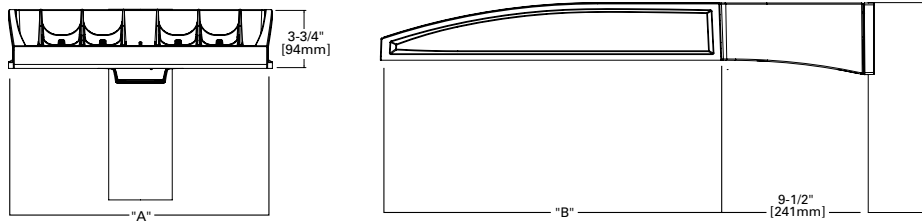
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt

Connected Systems

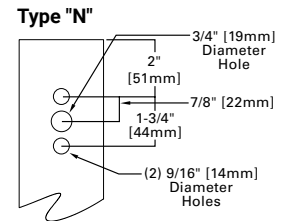
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

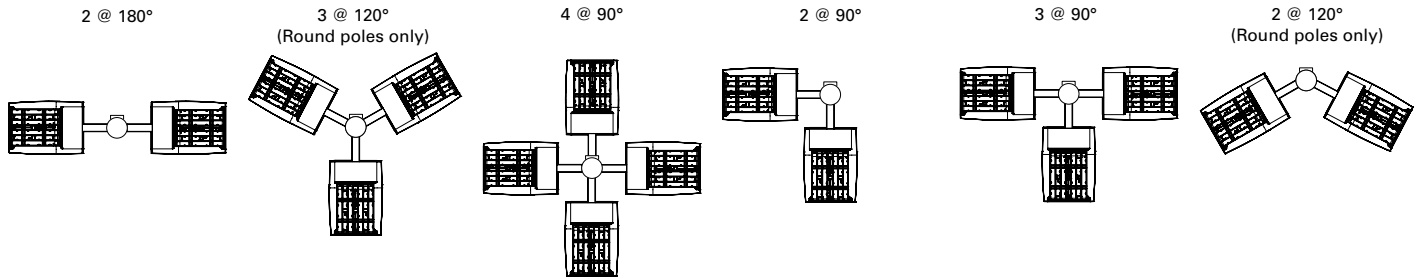
Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

Product Family ^{1,2}	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁴	SA =16 LED Light Square SB =26 LED Light Square ²⁵	1=1 Light Square 2=2 Light Squares 3=3 Light Squares 4=4 Light Squares 5=5 Light Squares 6=6 Light Squares 7=7 Light Squares 8=8 Light Squares 9=9 Light Squares	A =Output Level 1 B =Output Level 2 C =Output Level 3 D =Output Level 4 ^{4, 16} Z =Configured Output ³²	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K 835=80CRI, 3500K 840=80CRI, 4000K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K AMB=Amber ^{14, 16}	U =120-277V H =347V-480V ^{7, 29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7, 29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28, 29, 30}	T1 =Type I T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AFL =Automotive Frontline	[blank] =Standard Pole Mount Arm QU =Quick Mount Universal Arm QM =Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =3" Slipfitter, Adjustable ⁸ SP2 =2-3/8" Slipfitter, Adjustable ⁸ QMA =Quick Mount Mast Arm, Fixed MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient ¹⁶ HSS =Installed House Side Shield ¹⁷ GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ³³ MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ³³ WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{18, 12, 34} WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{18, 12, 34} WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{18, 12, 34} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{18, 12, 34} DIM10-L20 =AirMesh Occupancy Sensor (9'-20' Mounting) ^{18, 36} DIM10-L40 =AirMesh Occupancy Sensor (21'-40' Mounting) ^{18, 36}			OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield ^{9, 17} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9, 22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9, 22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11, 18, 36} TL7-G1-HV = AirMesh 7-PIN node, 110-480V ^{11, 18, 36} CBSSW-450-002 = AirMesh central base station with 5-button control		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option. 4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinX or 20kV surge option. 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. HA option not available with Output Level 4 or AMB Amber. 17. Not for use with T1, SNQ, 5MQ, 5WQ or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4. 22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES.com website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB. 31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). 35. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions. 36. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.								

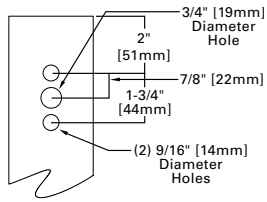
Mounting Details

Pole Configuration Options

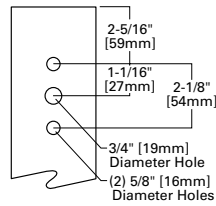


Pole Drilling Patterns

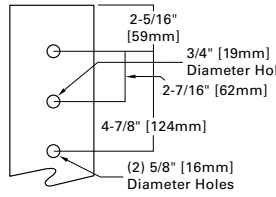
Type "N"



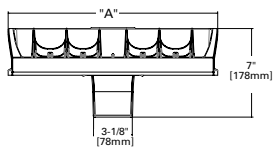
Type "R"



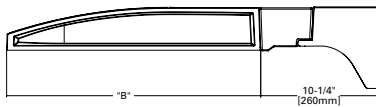
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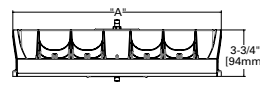
Quick Mount Universal Arm (QU)



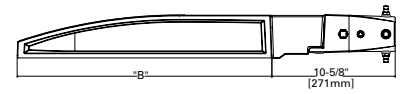
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns



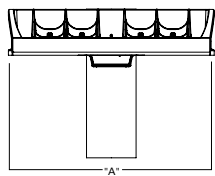
Quick Mount Mast Arm (QMA)



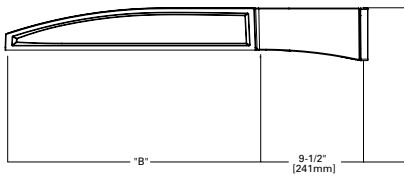
*NOTE: Fits 2-3/8" O.D. tenon



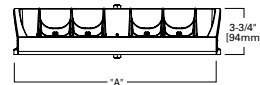
Pole Mount Arm with Quick Mount Adaptor (QM)



*NOTE: Use Type N drilling pattern



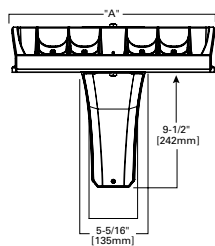
Mast Arm, Fixed (MA)



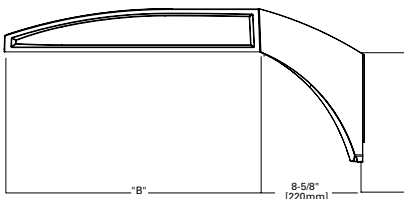
*NOTE: Fits 2-3/8" O.D. tenon



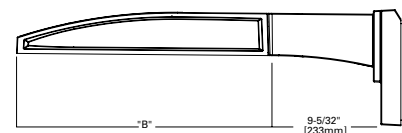
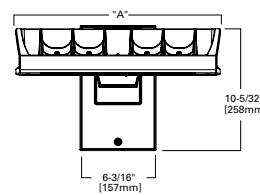
Upswept Arm (UP)



*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

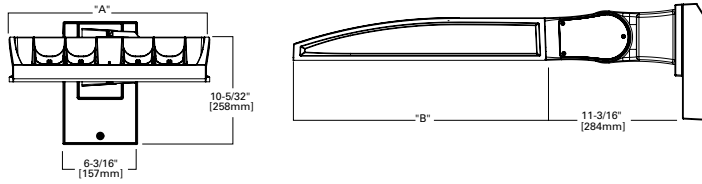


Wall Mount, Fixed (WM)



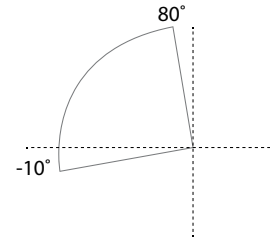
Mounting Details

Wall Mount, Adjustable (WA)

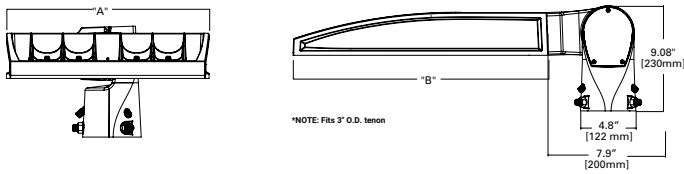


Adjustable Arm Range of Motion

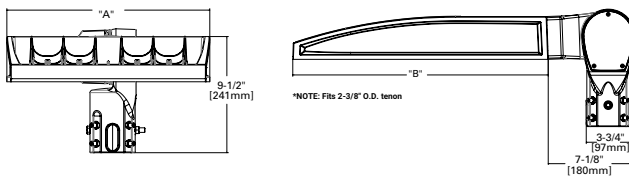
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



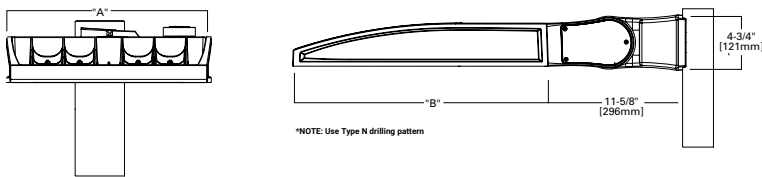
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



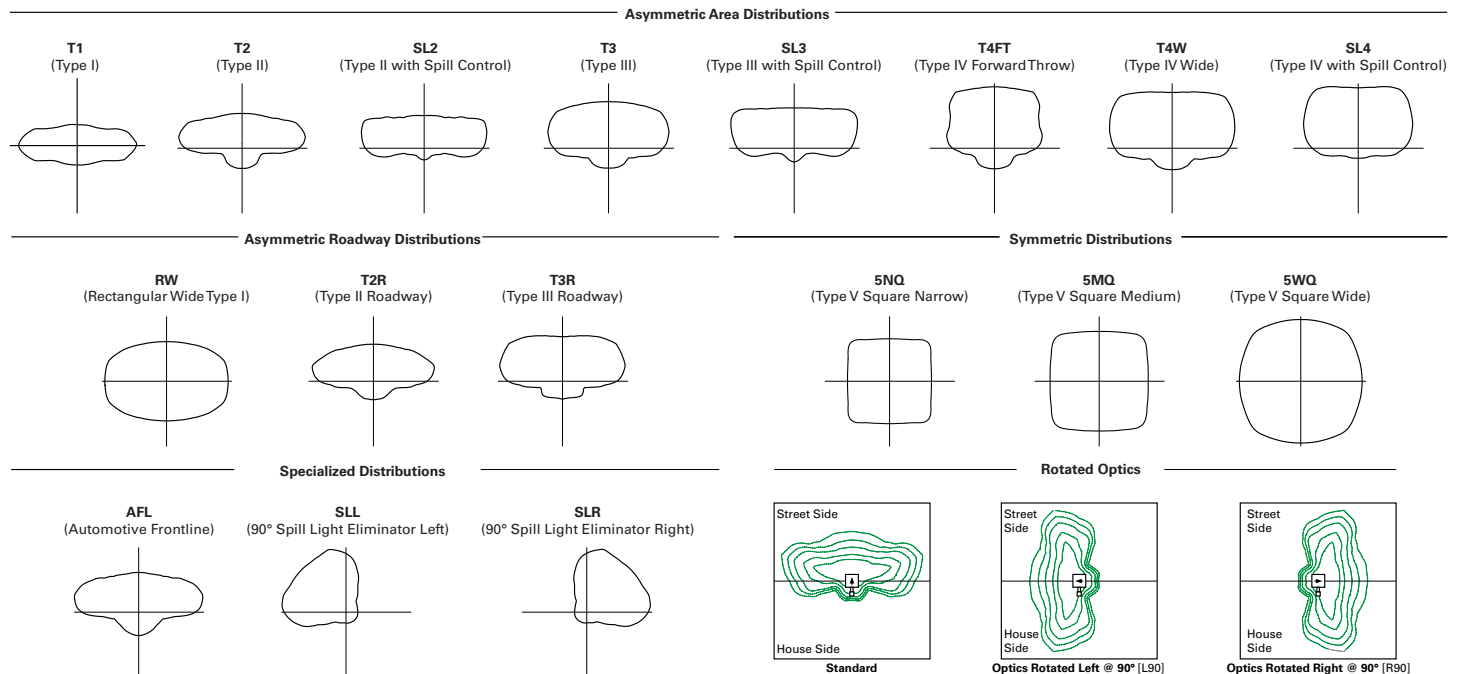
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

* Supported by IES TM-21 standards
 ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	33	63	93	121	154	182	215	244	274	
Input Current @ 120V	0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335	
Input Current @ 208V	0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379	
Input Current @ 240V	0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194	
Input Current @ 277V	0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057	
Input Current @ 347V	0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816	
Input Current @ 480V	0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600	
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	44	82	121	164	204	243	286	325	364	
Input Current @ 120V	0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041	
Input Current @ 208V	0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782	
Input Current @ 240V	0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531	
Input Current @ 277V	0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347	
Input Current @ 347V	0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065	
Input Current @ 480V	0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775	
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/ SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

[Galleon II IES Files](#)

[Supplemental Lumen Tables](#)

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	65	125	184	245	309	368	433	493	552	
Input Current @ 120V	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
Input Current @ 208V	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
Input Current @ 240V	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
Input Current @ 277V	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
Input Current @ 347V	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
Input Current @ 480V	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

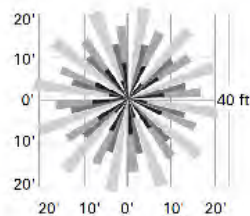
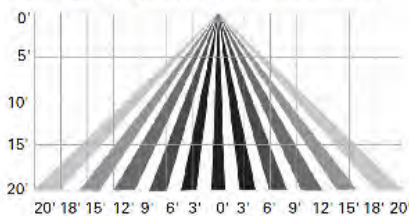
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

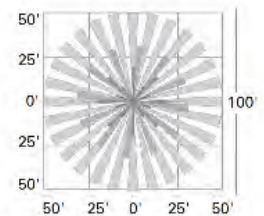
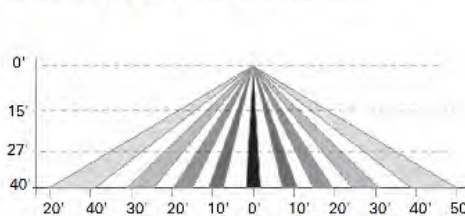
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)

AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

Project		Catalog #		Type	Y25
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
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Quick Facts

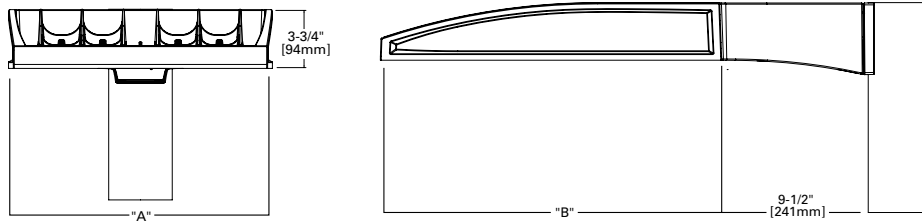
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt

Connected Systems

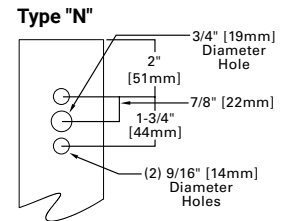
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless
- AirMesh Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

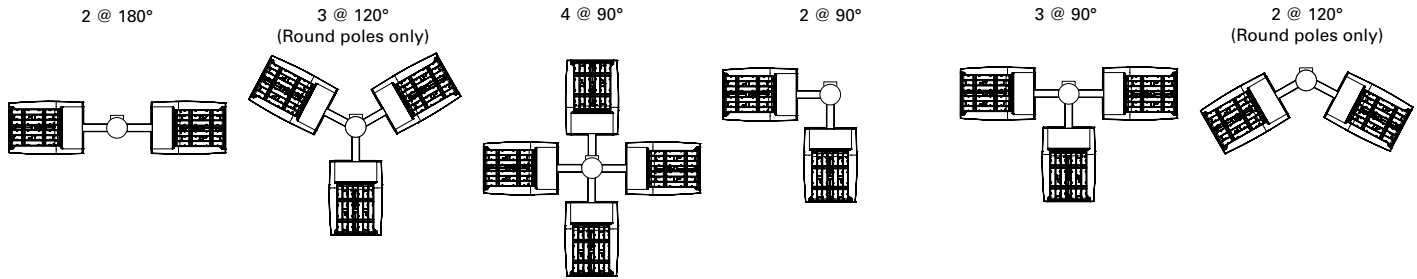
Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

Product Family ^{1,2}	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁴	SA =16 LED Light Square SB =26 LED Light Square ²⁵	1=1 Light Square 2=2 Light Squares 3=3 Light Squares 4=4 Light Squares 5=5 Light Squares 6=6 Light Squares 7=7 Light Squares 8=8 Light Squares 9=9 Light Squares	A =Output Level 1 B =Output Level 2 C =Output Level 3 D =Output Level 4 ^{4, 16} Z =Configured Output ³²	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K 835=80CRI, 3500K 840=80CRI, 4000K 930=90CRI, 3000K 935=90CRI, 3500K 940=90CRI, 4000K 950=90CRI, 5000K AMB=Amber ^{14, 16}	U =120-277V H =347V-480V ^{7, 29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7, 29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28, 29, 30}	T1 =Type I T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5NQ =Type V Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AFL =Automotive Frontline	[blank] =Standard Pole Mount Arm QU =Quick Mount Universal Arm QM =Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =3" Slipfitter, Adjustable ⁸ SP2 =2-3/8" Slipfitter, Adjustable ⁸ QMA =Quick Mount Mast Arm, Fixed MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient ¹⁶ HSS =Installed House Side Shield ¹⁷ GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ³³ MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ³³ WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{18, 12, 34} WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{18, 12, 34} WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{18, 12, 34} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{18, 12, 34} DIM10-L20 =AirMesh Occupancy Sensor (9'-20' Mounting) ^{18, 36} DIM10-L40 =AirMesh Occupancy Sensor (21'-40' Mounting) ^{18, 36}			OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield ^{9, 17} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9, 22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9, 22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11, 18, 36} TL7-G1-HV = AirMesh 7-PIN node, 110-480V ^{11, 18, 36} CBSSW-450-002 = AirMesh central base station with 5-button control		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option. 4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinX or 20kV surge option. 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQL, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. HA option not available with Output Level 4 or AMB Amber. 17. Not for use with T1, SNQ, 5MQ, 5WQ or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4. 22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB. 31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). 35. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions. 36. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.								

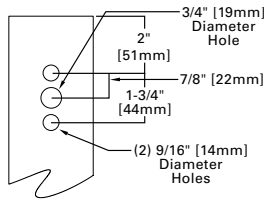
Mounting Details

Pole Configuration Options

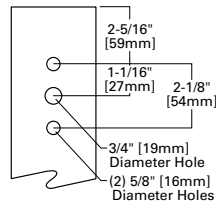


Pole Drilling Patterns

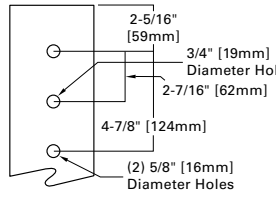
Type "N"



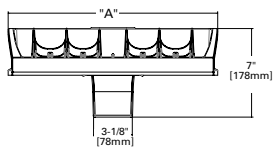
Type "R"



Type "M"

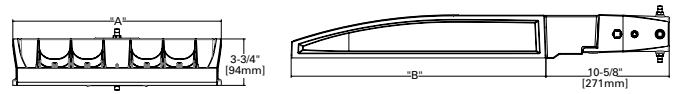


Quick Mount Universal Arm (QU)



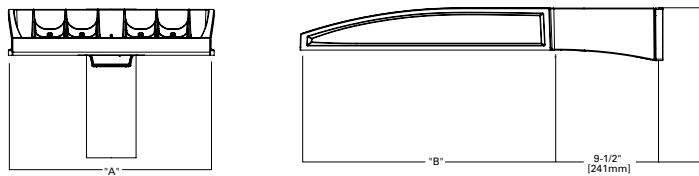
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



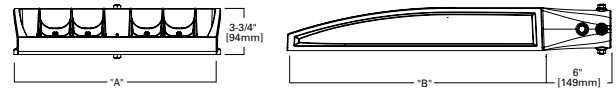
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



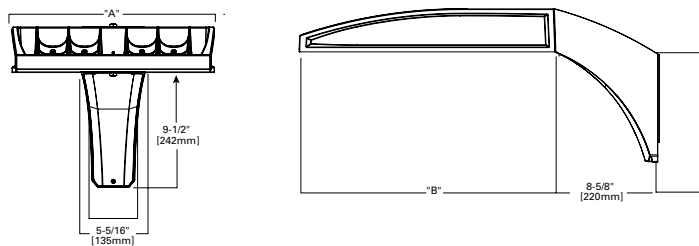
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



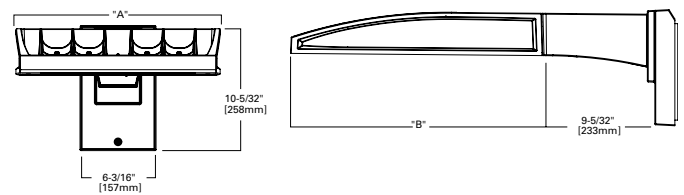
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



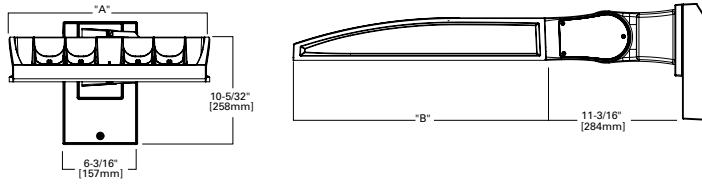
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)



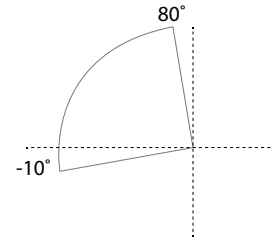
Mounting Details

Wall Mount, Adjustable (WA)

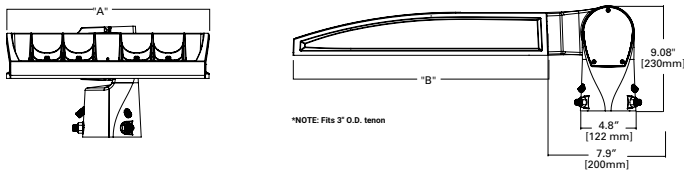


Adjustable Arm Range of Motion

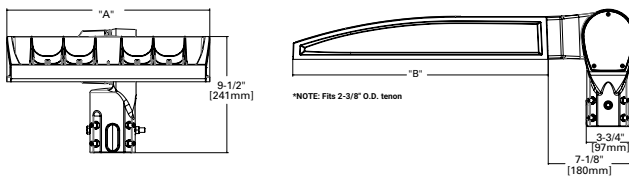
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



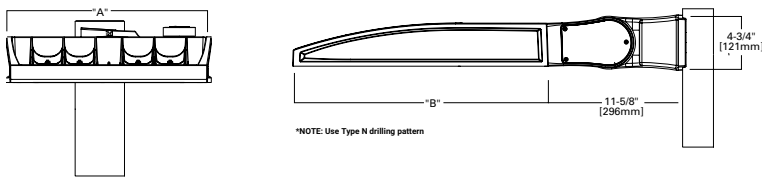
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



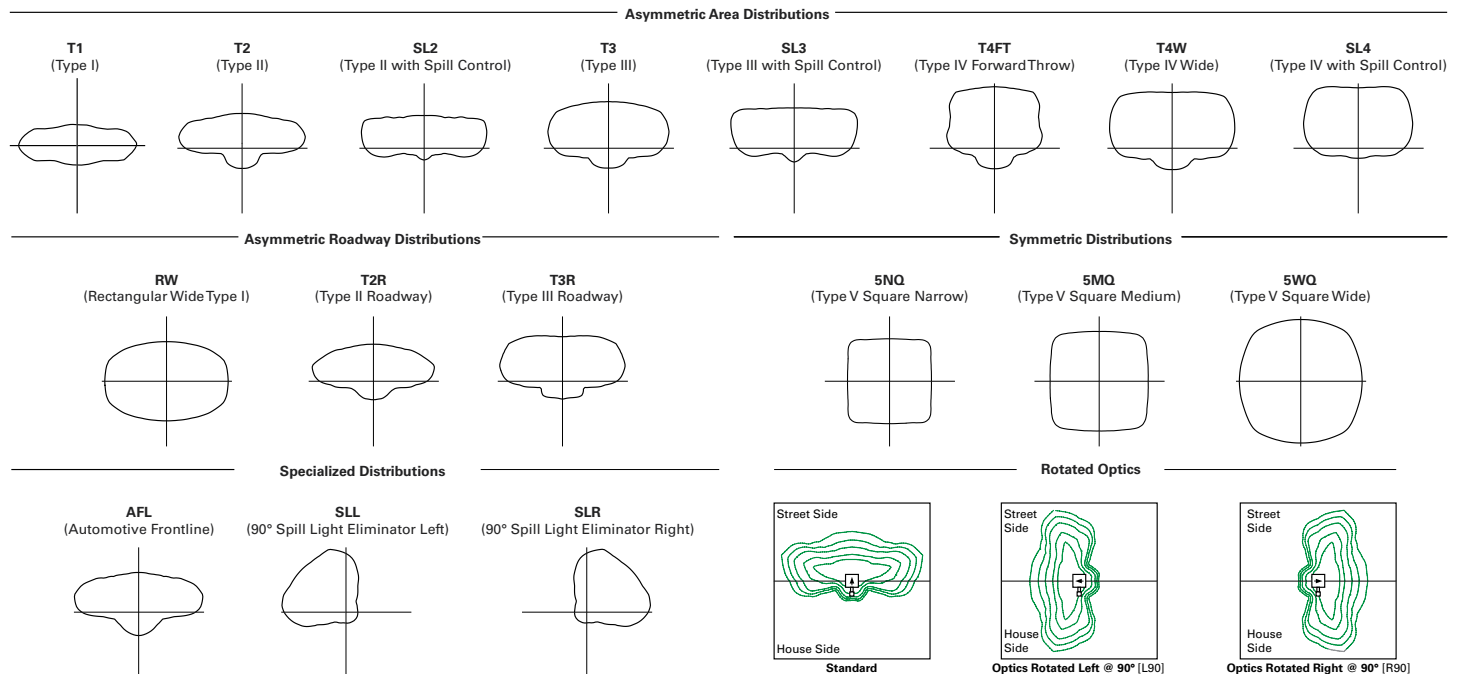
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

* Supported by IES TM-21 standards
 ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	33	63	93	121	154	182	215	244	274	
Input Current @ 120V	0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335	
Input Current @ 208V	0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379	
Input Current @ 240V	0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194	
Input Current @ 277V	0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057	
Input Current @ 347V	0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816	
Input Current @ 480V	0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600	
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	44	82	121	164	204	243	286	325	364	
Input Current @ 120V	0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041	
Input Current @ 208V	0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782	
Input Current @ 240V	0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531	
Input Current @ 277V	0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347	
Input Current @ 347V	0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065	
Input Current @ 480V	0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775	
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files

Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

[Galleon II IES Files](#)

[Supplemental Lumen Tables](#)

Number of Light Squares	1	2	3	4	5	6	7	8	9	
Nominal Power (Watts)	65	125	184	245	309	368	433	493	552	
Input Current @ 120V	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
Input Current @ 208V	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
Input Current @ 240V	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
Input Current @ 277V	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
Input Current @ 347V	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
Input Current @ 480V	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

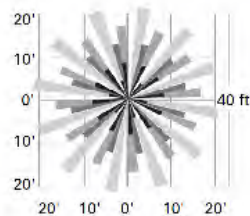
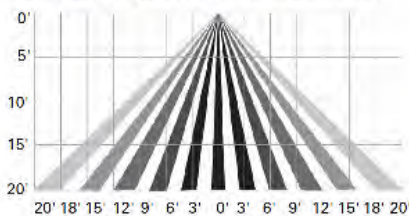
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

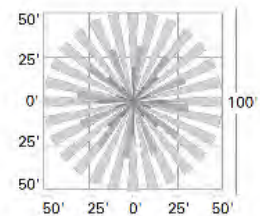
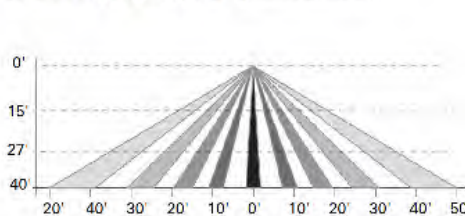
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)

AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.