



## COMMUNITY DEVELOPMENT DEPARTMENT

45175 Ten Mile Road  
Novi, MI 48375  
(248) 347-0415 Phone  
(248) 735-5600 Facsimile  
[www.cityofnovi.org](http://www.cityofnovi.org)

## ZONING BOARD OF APPEALS STAFF REPORT

**FOR:** City of Novi Zoning Board of Appeals

**MEETING DATE:** July 8, 2025

**REGARDING:** 27600 Novi Road Suite 101 #50-22-14-100-042 (PZ25-0027)

**BY:** Alan Hall, Deputy Director Community Development

### I. GENERAL INFORMATION:

#### **Applicant**

Dick's Sporting Goods

#### **Variance Type**

Dimensional Variance

#### **Property Characteristics**

Zoning District: This property is zoned Regional Center (R-C)

Location: south of Twelve Mile Road, east of Novi Road

Parcel #: 50-22-14-100-042

#### **Request**

The applicant is requesting a variance from the City of Novi Zoning Ordinance Section 5.7.3.F.ii to allow a Correlated Color Temperature of 5,700K for the outdoor activity space (3,000K maximum, variance of 2,700K).

### II. STAFF COMMENTS:

*The applicant is seeking a dimensional variance regarding the color temperature of their new lights.*

*The graphics provided here are intended to provide some context to their request.*

*The lower the "K" (or kelvin) the warmer the light (or more yellow in the light emitting appearance)*



*The request is for a "whiter" light color than what the ordinance allows which is more in keeping with a sports field function.*

**III. RECOMMENDATION:**

**The Zoning Board of Appeals may take one of the following actions:**

1. I move that we **grant** the variance in Case No. **PZ25-0027**, sought by \_\_\_\_\_, for \_\_\_\_\_ because Petitioner has shown practical difficulty requiring \_\_\_\_\_.

(a) Without the variance Petitioner will be unreasonably prevented or limited with respect to use of the property because \_\_\_\_\_.

(b) The property is unique because \_\_\_\_\_.

(c) Petitioner did not create the condition because \_\_\_\_\_.

(d) The relief granted will not unreasonably interfere with adjacent or surrounding properties because \_\_\_\_\_.

(e) The relief is consistent with the spirit and intent of the ordinance because \_\_\_\_\_.

(f) The variance granted is subject to:

1. \_\_\_\_\_.
2. \_\_\_\_\_.
3. \_\_\_\_\_.
4. \_\_\_\_\_.

2. I move that we **deny** the variance in Case No. **PZ25-0027** sought by \_\_\_\_\_, for \_\_\_\_\_ because Petitioner has not shown practical difficulty requiring \_\_\_\_\_.

(a) The circumstances and features of the property including \_\_\_\_\_ are not unique because they exist generally throughout the City.

(b) The circumstances and features of the property relating to the variance request are self-created because \_\_\_\_\_.

(c) The failure to grant relief will result in mere inconvenience or inability to attain higher economic or financial return based on Petitioners statements that \_\_\_\_\_.

(d) The variance would result in interference with the adjacent and surrounding properties by \_\_\_\_\_.

(e) Granting the variance would be inconsistent with the spirit and intent of the ordinance to \_\_\_\_\_.

Should you have any further questions with regards to the matter please feel free to contact me at (248) 347-0417.

Alan Hall – Deputy Director Community Development - City of Novi



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## ZONING BOARD OF APPEALS APPLICATION

APPLICATION MUST BE FILLED OUT COMPLETELY

**RECEIVED**

**MAY 16 2025**

**CITY OF NOVI  
COMMUNITY DEVELOPMENT**

<b>I. PROPERTY INFORMATION (Address of subject ZBA Case)</b>				<b>Application Fee:</b> \$330.00	
PROJECT NAME / SUBDIVISION Dick's Sporting Goods - House of Sports				<b>Meeting Date:</b> 7/8/25	
ADDRESS 27500 Novi Road, Novi, Michigan		LOT/SIUTE/SPACE #		<b>ZBA Case #:</b> PZ25-0027	
SIDWELL # 50-22-221 -410 -0069		May be obtain from Assessing Department (248) 347-0485			
CROSS ROADS OF PROPERTY South of W 12 Mile Rd					
IS THE PROPERTY WITHIN A HOMEOWNER'S ASSOCIATION JURISDICTION? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				REQUEST IS FOR: <input type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> VACANT PROPERTY <input type="checkbox"/> SIGNAGE	
DOES YOUR APPEAL RESULT FROM A NOTICE OF VIOLATION OR CITATION ISSUED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
<b>II. APPLICANT INFORMATION</b>					
<b>A. APPLICANT</b>		EMAIL ADDRESS Brian.Bacik@dcsgr.com		CELL PHONE NO. 312-402-2133	
NAME Brian Bacik				TELEPHONE NO.	
ORGANIZATION/COMPANY Dick's Sporting Goods				FAX NO.	
ADDRESS 345 Court Street		CITY Coraopolis		STATE PA	ZIP CODE 15108
<b>B. PROPERTY OWNER</b> <input type="checkbox"/> CHECK HERE IF APPLICANT IS ALSO THE PROPERTY OWNER					
Identify the person or organization that owns the subject property:		EMAIL ADDRESS		CELL PHONE NO.	
NAME				TELEPHONE NO.	
ORGANIZATION/COMPANY				FAX NO.	
ADDRESS		CITY		STATE	ZIP CODE
<b>III. ZONING INFORMATION</b>					
<b>A. ZONING DISTRICT</b>					
<input type="checkbox"/> R-A <input type="checkbox"/> R-1 <input type="checkbox"/> R-2 <input type="checkbox"/> R-3 <input type="checkbox"/> R-4 <input type="checkbox"/> RM-1 <input type="checkbox"/> RM-2 <input type="checkbox"/> MH <input type="checkbox"/> I-1 <input type="checkbox"/> I-2 <input checked="" type="checkbox"/> RC <input type="checkbox"/> TC <input type="checkbox"/> TC-1 <input type="checkbox"/> OTHER _____					
<b>B. VARIANCE REQUESTED</b>					
INDICATE ORDINANCE SECTION (S) AND VARIANCE REQUESTED:					
1. Section <u>Section 5.7.3.F</u> Variance requested <u>Requesting a lighting color for only The Field of 5,700K rather than 3,000K.</u>					
2. Section _____ Variance requested _____					
3. Section _____ Variance requested _____					
4. Section _____ Variance requested _____					
<b>IV. FEES AND DRAWINGS</b>					
<b>A. FEES</b>					
<input type="checkbox"/> Single Family Residential (Existing) \$220 <input type="checkbox"/> (With Violation) \$275 <input type="checkbox"/> Single Family Residential (New) \$275 <input checked="" type="checkbox"/> Multiple/Commercial/Industrial \$330 <input type="checkbox"/> (With Violation) \$440 <input type="checkbox"/> Signs \$330 <input type="checkbox"/> (With Violation) \$440 <input type="checkbox"/> House Moves \$330 <input type="checkbox"/> Special Meetings (At discretion of Board) \$660					
<b>B. DRAWINGS 1-COPY &amp; 1 DIGITAL COPY SUBMITTED AS A PDF</b>					
<ul style="list-style-type: none"><li>• Dimensioned Drawings and Plans</li><li>• Site/Plot Plan</li><li>• Existing or proposed buildings or addition on the property</li><li>• Number &amp; location of all on-site parking, if applicable</li><li>• Existing &amp; proposed distance to adjacent property lines</li><li>• Location of existing &amp; proposed signs, if applicable</li><li>• Floor plans &amp; elevations</li><li>• Any other information relevant to the Variance application</li></ul>					





## ZONING BOARD OF APPEALS APPLICATION

### V. VARIANCE

#### A. VARIANCE (S) REQUESTED

☒ DIMENSIONAL   ☐ USE   ☐ SIGN

There is a five-(5) hold period before work/action can be taken on variance approvals.

#### B. SIGN CASES (ONLY)

Your signature on this application indicates that you agree to install a **Mock-Up Sign** ten-(10) days before the schedule ZBA meeting. Failure to install a mock-up sign may result in your case not being heard by the Board, postponed to the next schedule ZBA meeting, or cancelled. A mock-up sign is **NOT** to be actual sign. Upon approval, the mock-up sign must be removed within five-(5) days of the meeting. If the case is denied, the applicant is responsible for all costs involved in the removal of the mock-up or actual sign (if erected under violation) within five-(5) days of the meeting.

#### C. ORDINANCE

##### City of Novi Ordinance, Section 3107 – Miscellaneous

No order of the Board permitting the erection of a building shall be valid for a period longer than one-(1) year, unless a building permit for such erection or alteration is obtained within such period and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.

No order of the Board permitting a use of a building or premises shall be valid for a period longer than one-hundred and eighty-(180) days unless such use is establish within such a period; provided, however, where such use permitted is dependent upon the erection or alteration or a building such order shall continue in force and effect if a building permit for such erection or alteration is obtained within one-(1) year and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.

#### D. APPEAL THE DETERMINATION OF THE BUILDING OFFICIAL

PLEASE TAKE NOTICE:

The undersigned hereby appeals the determination of the Building Official / Inspector or Ordinance made

☐ CONSTRUCT NEW HOME/BUILDING   ☐ ADDITION TO EXISTING HOME/BUILDING   ☐ SIGNAGE

☐ ACCESSORY BUILDING   ☐ USE   ☐ OTHER \_\_\_\_\_

### VI. APPLICANT & PROPERTY SIGNATURES

#### A. APPLICANT

Brian Bacik

Applicant Signature

5-13-25

Date

#### B. PROPERTY OWNER

**If the applicant is not the owner, the property owner must read and sign below:**

The undersigned affirms and acknowledges that he, she or they are the owner(s) of the property described in this application, and is/are aware of the contents of this application and related enclosures.

\_\_\_\_\_  
Property Owner Signature

\_\_\_\_\_  
Date

### VII. FOR OFFICIAL USE ONLY

#### DECISION ON APPEAL:

☐ GRANTED

☐ DENIED

The Building Inspector is hereby directed to issue a permit to the Applicant upon the following and conditions:

\_\_\_\_\_  
Chairperson, Zoning Board of Appeals

\_\_\_\_\_  
Date



## Community Development Department

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## REVIEW STANDARDS DIMENSIONAL VARIANCE

The Zoning Board of Appeals (ZBA) will review the application package and determine if the proposed Dimensional Variance meets the required standards for approval. In the space below, and on additional paper if necessary, explain how the proposed project meets each of the following standards. (Increased costs associated with complying with the Zoning Ordinance will not be considered a basis for granting a Dimensional Variance.)

### Standard #1. Circumstances or Physical Conditions.

Explain the circumstances or physical conditions that apply to the property that do not apply generally to other properties in the same zoning district or in the general vicinity. Circumstances or physical conditions may include:

- a. **Shape of Lot.** Exceptional narrowness, shallowness or shape of a specific property in existence on the effective date of the Zoning Ordinance or amendment.  
☒ Not Applicable    ☐ Applicable    If applicable, describe below:

*and/or*

- b. **Environmental Conditions.** Exceptional topographic or environmental conditions or other extraordinary situations on the land, building or structure.  
☐ Not Applicable    ☒ Applicable    If applicable, describe below:

Human environmental conditions are applicable to this request. A color temperature of 3,000K for the field element of the project would provide less than ideal light for DSG customers and users of the field. The requested 5,700K temperature aligns closely to natural daylight which is the preferred temperature for sports fields lighting.

*and/or*

- c. **Abutting Property.** The use or development of the property immediately adjacent to the subject property would prohibit the literal enforcement of the requirements of the Zoning Ordinance or would involve significant practical difficulties.  
☒ Not Applicable    ☐ Applicable    If applicable, describe below:

## **Standard #2. Not Self-Created.**

Describe the immediate practical difficulty causing the need for the Dimensional Variance, that the need for the requested variance is not the result of actions of the property owner or previous property owners (i.e., is not self-created).

This variance request is for the color temperature of the light fixtures on the four proposed light poles that will light the outdoor field component of the new Dick's House of Sports. It is important that the field be properly lit and industry guidance is that 5,000-6,500K is the recommended color temperature for sports field lighting to best mimic daylight and reduce glare. The applicant is proposing lights at 5,700K as is standard across their portfolio of Dick's House of Sports stores.

## **Standard #3. Strict Compliance.**

Explain how the Dimensional Variance in strict compliance with regulations governing area, setback, frontage, height, bulk, density or other dimensional requirements will unreasonably prevent the property owner from using the property for a permitted purpose, or will render conformity with those regulations unnecessarily burdensome.

Code requires 3,000K color temperature for the lighting. This color temperature casts a warmer yellowish light that is seen by the human eye as dimmer and can distort color and create glare. This is undesirable for the proposed sports field application and is why Musco Lighting (a national leader in sports field lighting) has recommended 5,700K for all Dick's House of Sports fields.

## **Standard #4. Minimum Variance Necessary.**

Explain how the Dimensional Variance requested is the minimum variance necessary to do substantial justice to the applicant as well as to other property owners in the district.

The variance request is for the sports field lighting to be approved at 5,700K. This is the prototypical standard for Dick's House of Sports field lighting and provides the best visibility for any potential uses of the field during store hours of operation after sunset.

## **Standard #5. Adverse Impact on Surrounding Area.**

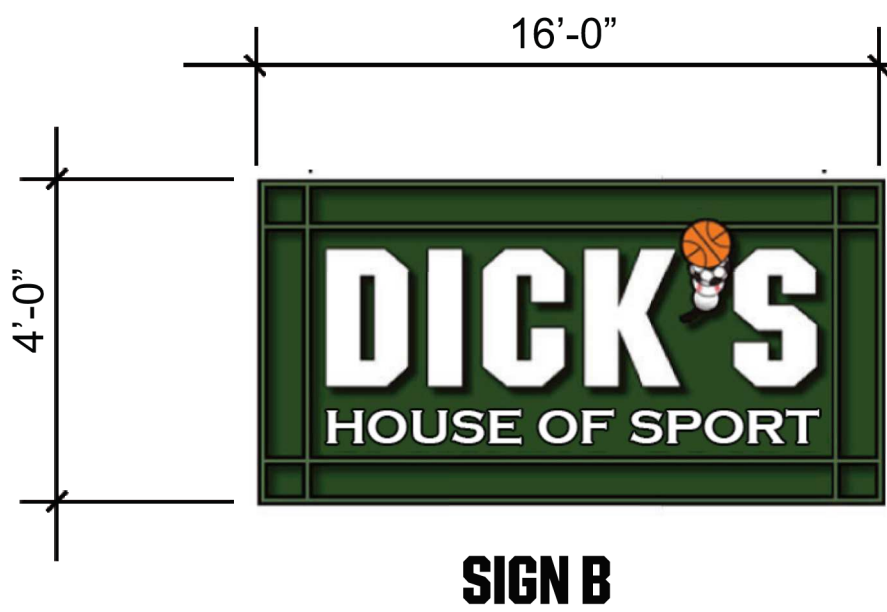
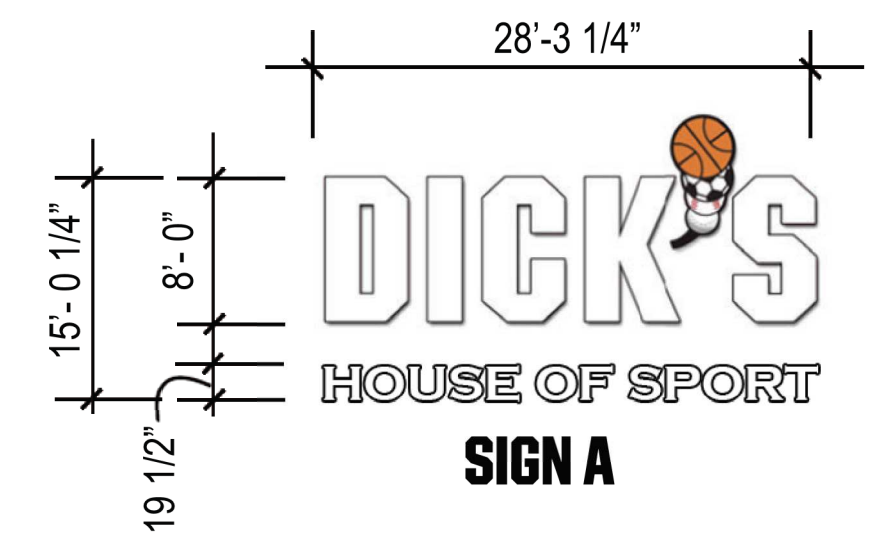
Explain how the Dimensional Variance will not cause an adverse impact on surrounding property, property values, or the use and enjoyment of property in the neighborhood or zoning district.

This variance will not cause an adverse impact on the surrounding property. The proposed field is surrounded by mall parking with the nearest retail buildings to the north being over 350' away and the hotel to the west being 700' away. Additionally, the proposed fixtures are down-lit fixtures that provide lighting to the field only. Lighting from these fixtures will not spill past the curb line that surrounds the field in any meaningful measure. We also understand that light fixtures with similar color temperatures have been approved recently at other local high school sports fields.





TWELVE OAKS MALL  
NOVI, MI  
EXHIBIT K  
STORE #1615

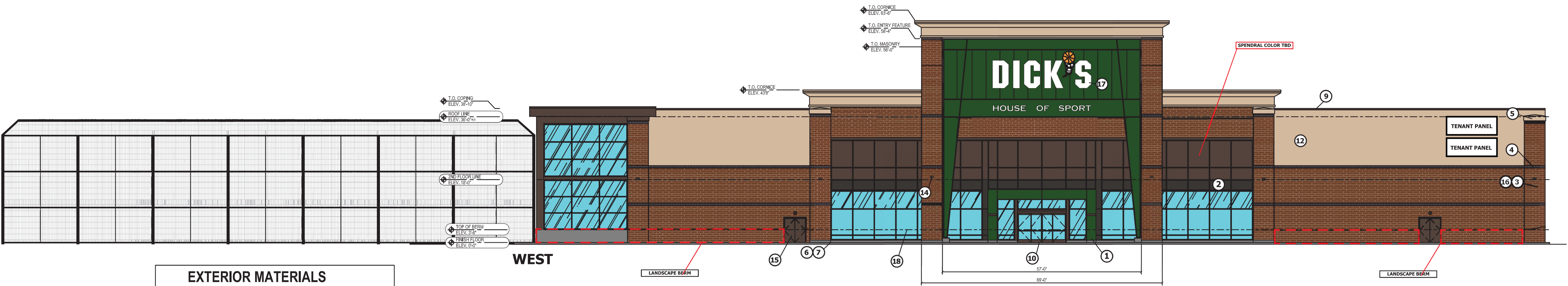


NORTH

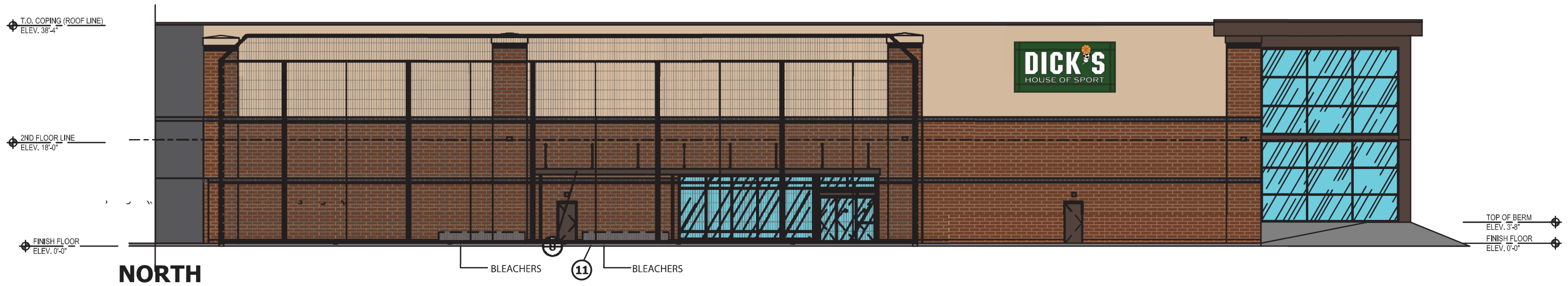
WEST



Key Plan



EXTERIOR MATERIALS		
1	ACM-1	RAINSCREEN METAL PANEL SYSTEM MANUF: CITADEL OR EQUAL PRODUCT: ENVELOPE 2000 RS OR EQUAL COLOR: MATCH KAWNEER HARTFORD GREEN
2	ACM-3	ACM PANELS - ALPOLIC COLOR: TO MATCH KAWNEER DARK BRONZE
3	BRCK-1	1/2" MODULAR THIN BRICK REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS MORTAR - ARBOR BLUSH (TO ORDER CALL: WESLEY ALBRIGHT @ 404-402-6386 -WALBRIGHT@ARCCS-US.COM)
4	BRCK-2	1/2" MODULAR THIN BRICK BELDEN BRICK COLOR: BLACK DIAMOND VELOUR MORTAR - GLEN-GARY G-602
5	CAP-1	COLUMN CAPITAL SUPPLIED BY VENDOR #24, INSTALLED BY G.C. COLOR: MATCH SW 0028 CAEN STONE
6	CONC	CAST IN PLACE CONCRETE WITH PARGED HAND RUBBED FINISH
7	DABL-3	SMOOTH-FACED, STANDARD GRAY DRYBLOCK, SEE SPEC. FINISH = POLYMER MODIFIED CEMENT PARGE, SEE SPEC
8	CNRY-2	MAPES PREFABRICATED METAL CANOPY W/ TIE RODS OR APPROVED EQUAL COLOR = TO MATCH KAWNEER DARK BRONZE
9	COPG-2	PREFINISHED METAL COPING, SEE SPECIFICATIONS COLOR = TO MATCH KAWNEER DARK BRONZE
10	BLDR-3	ALUMINUM SLIDING DOOR, SEE SPECIFICATIONS - COLOR= KAWNEER DARK BRONZE
11	DS-1	PRE-FINISHED METAL DOWNSPOUT - COLOR: TO MATCH KAWNEER DARK BRONZE
12	EFS-1	1 1/2" EXTERIOR INSULATION FINISH SYSTEM, SEE SPECIFICATIONS COLOR = MATCH COLOR #449 BUCKSKIN, PEBBLE FINE FINISH
13	SLAZ-1	EXTERIOR CURTAINWALL COLOR= KAWNEER DARK BRONZE
14	LIGHT	EXTERIOR LIGHT FIXTURE - REFER TO REFLECTED CEILING AND ELECTRICAL PLANS, TYP.
15	PANT-1	EXTERIOR PAINT, SEE SPECIFICATIONS COLOR = MATCH CHARCOAL GRAY
16	PANT-2	EXTERIOR PAINT, SEE SPECIFICATIONS COLOR = MATCH RED BRICK (P-52) DSG BELDON
17	SIGN-1	INDIVIDUAL LETTER SIGNAGE w/ INTERNALLY ILLUMINATED LETTERS, SUPPLIED AND INSTALLED BY VENDOR #6
18	FILM	WINDOW SECURITY FILM, REFER TO A5.2



Photos of existing House of Sport field locations shown for reference



PRELIMINARY ENGINEERING PLANS

PID 50-22-14-100-042  
CITY PROJ #: JSP24-31

FOR

DICK'S SPORTING GOODS

27600 NOVI ROAD  
NOVI, MICHIGAN

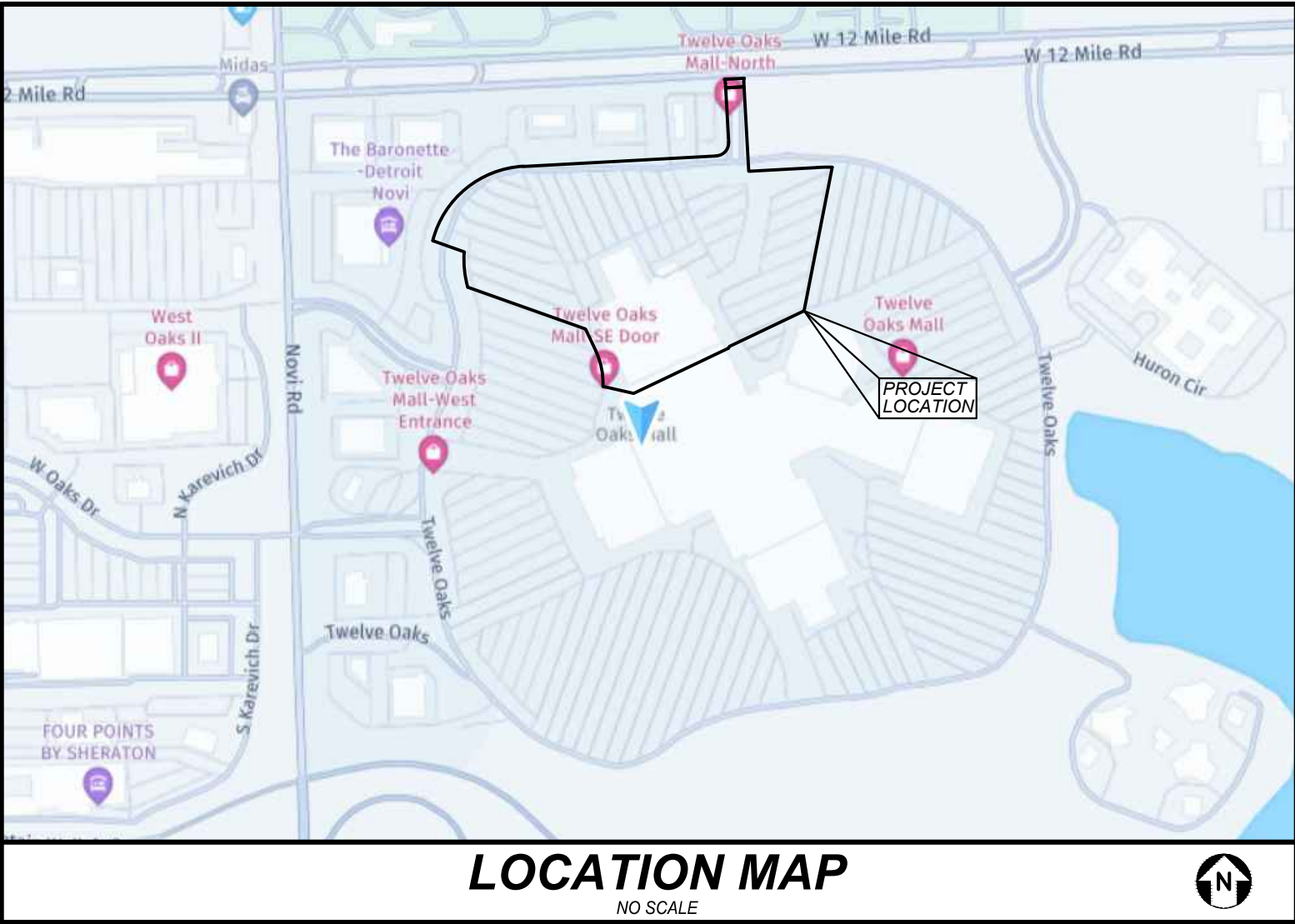
PROJECT TEAM

OWNER/DEVELOPER

Dick's Sporting Goods  
345 Court Street  
Coraopolis, PA 15108  
312 402 2133  
Contact: Brian Bacik

ENGINEER

V3 Companies, Ltd.  
7325 Janes Avenue  
Woodridge, Illinois 60517  
630 724 9200  
Principal: Ted Feenstra. P.E.  
tfeenstra@v3co.com  
Project Manager: Ryan Wagner. P.E.  
rwagner@v3co.com  
Design Engineer: Mary Rokicki  
mrokicki@v3co.com



ZONED RC: REGIONAL CENTER  
BORDERED BY R-3: ONE-FAMILY RESIDENTIAL AND RC: REGIONAL CENTER

INDEX

CIVIL ENGINEERING PLANS

- C0.0 TITLE SHEET
- C1.0 PRELIMINARY DEMOLITION PLAN
- C2.0 PRELIMINARY OVERALL SITE PLAN
- C2.1 PRELIMINARY LAYOUT AND PAVING PLAN
- C3.0 PRELIMINARY GRADING PLAN
- C3.1 PRELIMINARY EROSION CONTROL & LANDSCAPE PLAN
- C4.0 PRELIMINARY UTILITY PLAN

SUPPORTING DOCUMENTS

- 2 Sheets ALTA/NSPS LAND TITLE SURVEY
- LOCATION MAP
- IMPERVIOUS EXHIBITS

BENCHMARKS

VERTICAL RELIEF WITH THE SOURCE OF INFORMATION:  
VERTICAL DATUM NAVD88  
BENCH MARKS:  
BM #1  
ATOP NE BOLT OF "GREEN AREA 21" LIGHT POLE BASE  
ELEVATION: 911.01  
  
BM #2  
FOUND CUT X ON E. SIDE OF LIGHT POLE BASE FOUNDATION  
SOUTH END OF CURB ISLAND BETWEEN ACCESS RD. AND 12 MILE RD.  
ELEVATION: 911.80  
  
BM #3  
ATOP NE BOLT OF GOLD AREA 31 LIGHT POLE BASE  
ELEVATION: 929.08



Please allow for 3 full working days before you dig - call the MISS DIG System at 811 or 800-482-7171.

PROFESSIONAL ENGINEER'S CERTIFICATION

I, TED FEENSTRA, A LICENSED PROFESSIONAL ENGINEER OF MICHIGAN, HEREBY CERTIFY THAT THE CIVIL ENGINEERING PLANS WERE PREPARED ON BEHALF OF DICK'S SPORTING GOODS BY V3 COMPANIES, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.  
DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 2025.

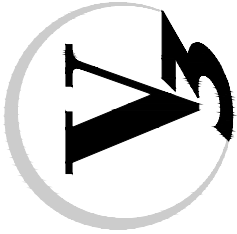
MICHIGAN LICENSED PROFESSIONAL ENGINEER  
MY LICENSE EXPIRES ON SEPTEMBER 20, 2025  
LICENSE NO. 6201060609

TITLE SHEET

DICK'S SPORTING GOODS

NOVI 27500 NOVI ROAD MICHIGAN

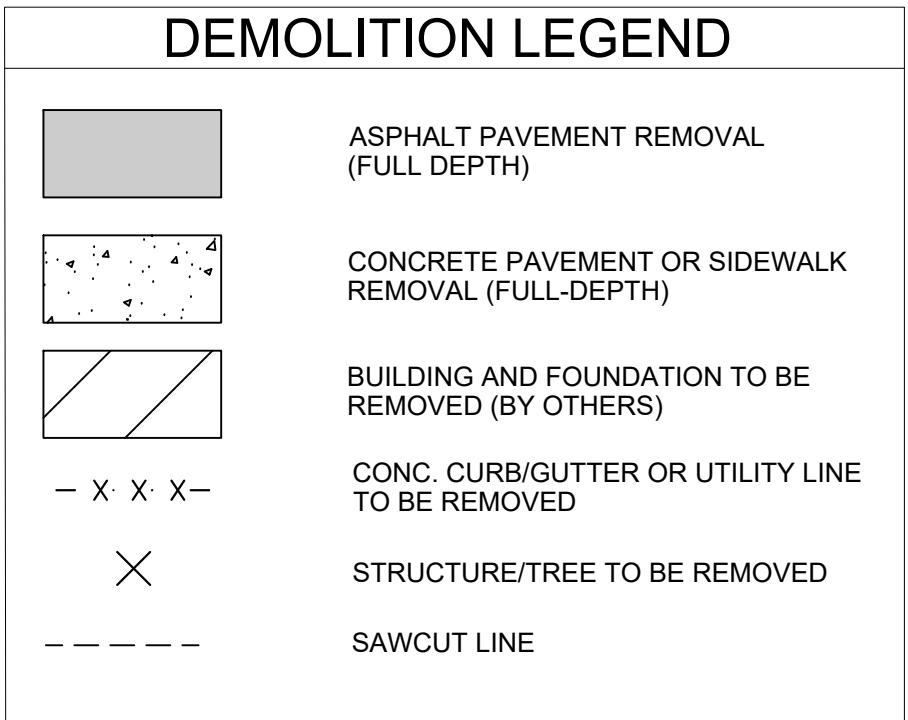
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com



DRAWING NO.  
C0.0

ORIGINAL ISSUE DATE: ODATE		REVISIONS	
PROJECT NO.:	230787	NO.	DATE
PROJECT MANAGER:	RNW	DESCRIPTION	DESCRIPTION
DESIGNED BY:	MR	NO.	DATE
DRAWN BY:	DB	NO.	DATE
		1	2-13-24
			PRELIMINARY RESUBMITTAL PER COMMENTS






THE EXTENT OF DEMOLITION WORK IS AS GENERALLY SHOWN ON THE CONSTRUCTION DOCUMENTS. SPECIFIC DEMOLITION PROCESSES OR PROCEDURES FOR DEMOLITION AND STRUCTURAL CONSIDERATIONS ARE THE RESPONSIBILITY OF OTHERS. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:

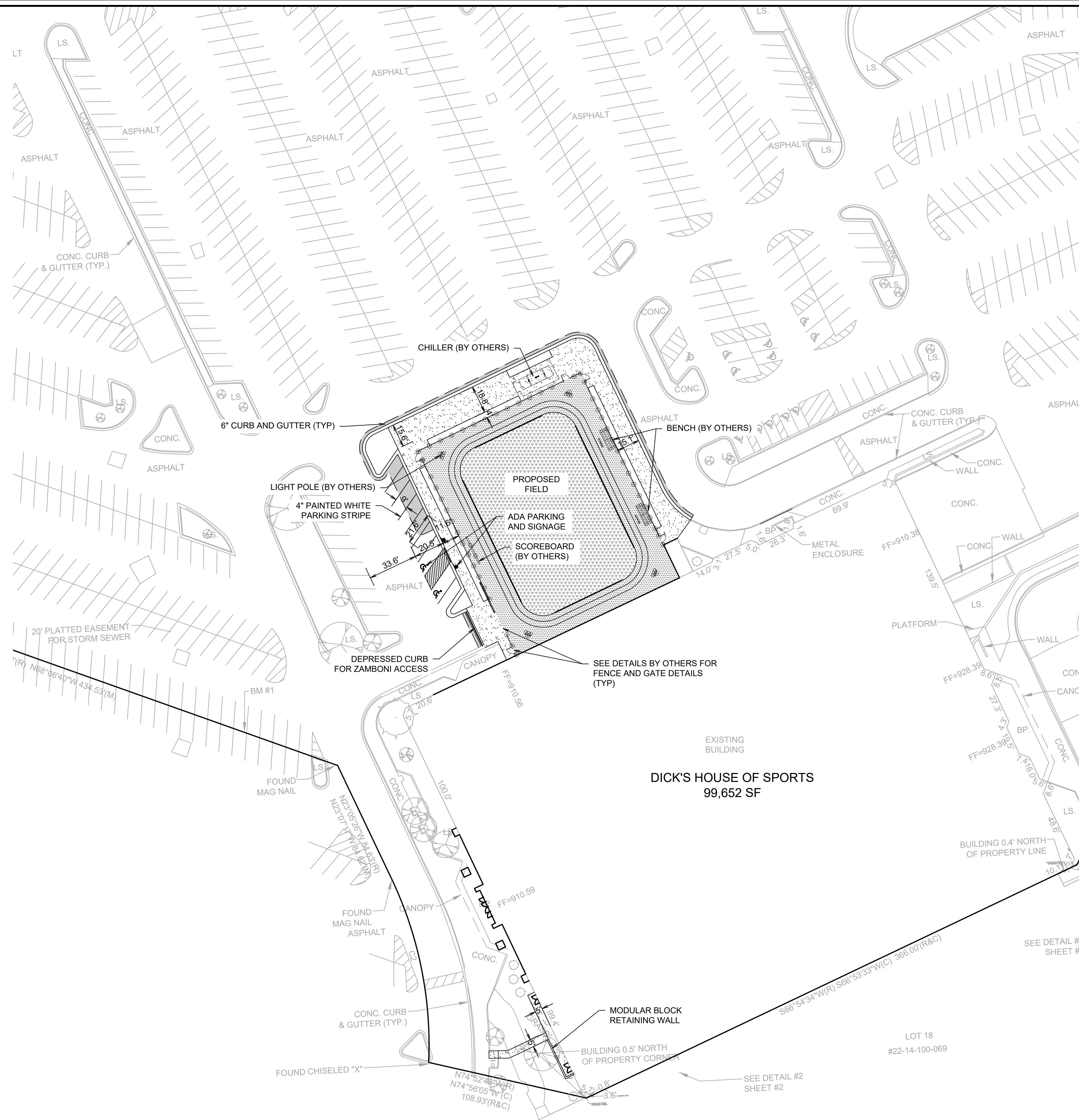
- SIDEWALK AND ON-SITE PAVEMENT
- BUILDINGS, FOUNDATIONS, AND SUPPORTING WALLS AND SLABS
- UTILITIES
- CONSTRUCTION DEBRIS

2. ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
3. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
4. STRUCTURES TO BE DEMOLISHED SHALL BE VACATED AND DISCONTINUED FROM USE PRIOR TO START OF WORK. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK.
5. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
6. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
8. EXISTING UTILITIES, WHICH DO NOT SOLELY SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS.
9. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED ALL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO HAVE THEIR TRENCHES BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY.
10. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
11. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
12. REMOVAL, ABANDONMENT, AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED AS GENERALLY DEPICTED ON THESE PLANS. CONTRACTOR TO COORDINATE RELOCATIONS WITH THE UTILITY OWNER. CONTRACTOR SHALL MINIMIZE DISRUPTION OF SERVICE AND SHALL WORK WITH UTILITY OWNER TO MAINTAIN AN ACCEPTABLE LEVEL OF SERVICE.
13. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO MINIMIZE DUST AND DIRT FROM RISING AND SCATTERING IN THE AIR. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
14. DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
15. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED AGGREGATE (CA-6) OR APPROVED EQUAL.
16. SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION, AND REMOVAL.
17. EXISTING MONITORING WELLS ARE TO BE REMOVED AS NECESSARY AND SEALED BY STATE LICENSED WELL DRILLER PER ILLINOIS DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS AND/OR LOCAL/COUNTY REQUIREMENTS.
18. THESE DRAWINGS DO NOT INCLUDE THE REMOVAL OF UNDERGROUND STORAGE TANKS. SHOULD UNDERGROUND STORAGE TANKS BE ENCOUNTERED, CONTRACTOR TO CONTACT OWNER AND ENGINEER TO DETERMINE RESPONSIBILITY FOR ANY ENVIRONMENTAL REMEDIATION OR REMOVAL WORK AS NECESSARY. ANY REMOVAL OF UNDERGROUND STORAGE TANKS MUST BE IN CONFORMANCE WITH LOCAL AND STATE STANDARDS.

<div><div>DRAWING NO. <b>C1.0</b></div></div> <div>7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone www.v3co.com</div>	NOVI	27500 NOVI ROAD	MICHIGAN
	PRELIMINARY DEMOLITION PLAN		
	DICK'S SPORTING GOODS		
	PROJECT NO.: 230787		
	ORIGINAL ISSUE DATE: ODATE		
	REVISIONS		
	PROJECT MANAGER: RNW		
DESIGNED BY: MR			
DRAWN BY: DB			







NOTES:

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED WHITE UNLESS OTHERWISE NOTED.
3. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.

## PAVING LEGEND

## ASPHALT PAVEMENT

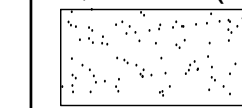
1,276 sf (PRIVATE)



5E1, 1.5" 165#/SY WEARING COURSE  
HMA 3C, 2.5" 275#/SY LEVELING COURSE  
8" 21AA COMPACTED AGGREGATE BASE

## CONCRETE SIDEWALK

5,995 sf (PRIVATE)



4" THICK CONCRETE MDOT GRADE P1 (MIN. 4,000 PSI)  
4" 21AA COMPACTED LIMESTONE AGGREGATE  
(OR APPROVED EQUAL)

## SYNTHETIC TURF SURFACE

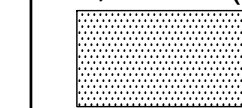
10,211 sf (PRIVATE)



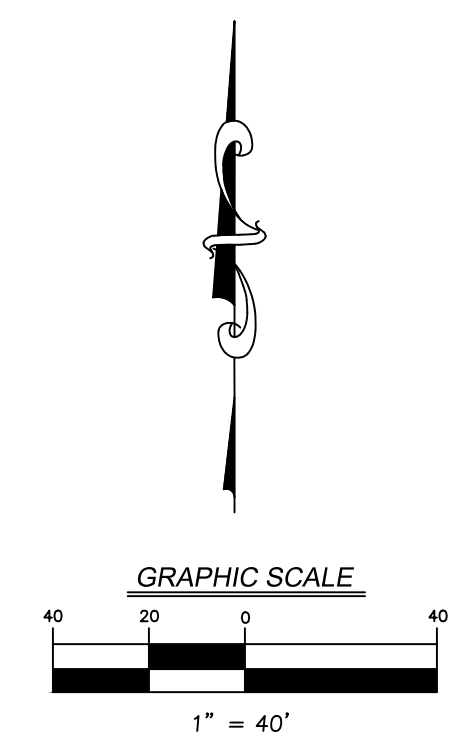
BY OTHERS

### TRACK SURFACE

8,451 sf (PRIVATE)



BY OTHERS

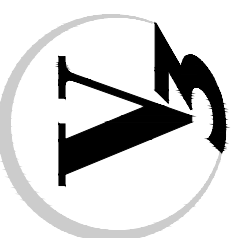


# PRELIMINARY LAYOUT AND PAVING PLAN

# PAVING FLAN DICK'S SPORTING GOODS

NOVI	27500 NOVI ROAD	MICHIGAN
------	-----------------	----------

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com



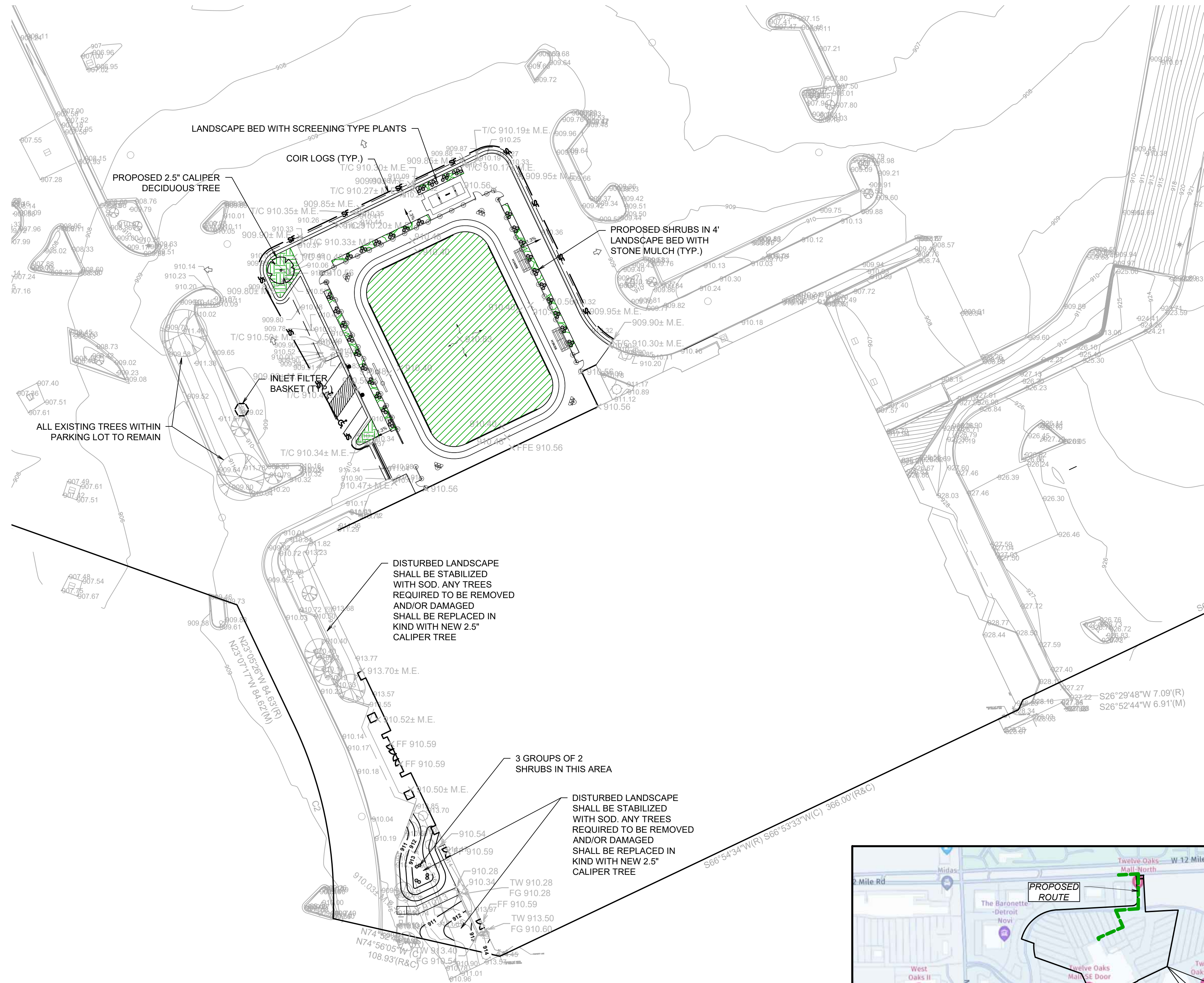
DRAWING NO.

## C2.1





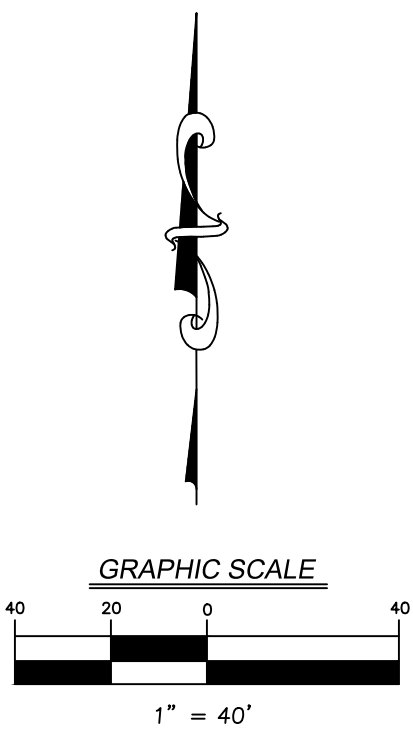
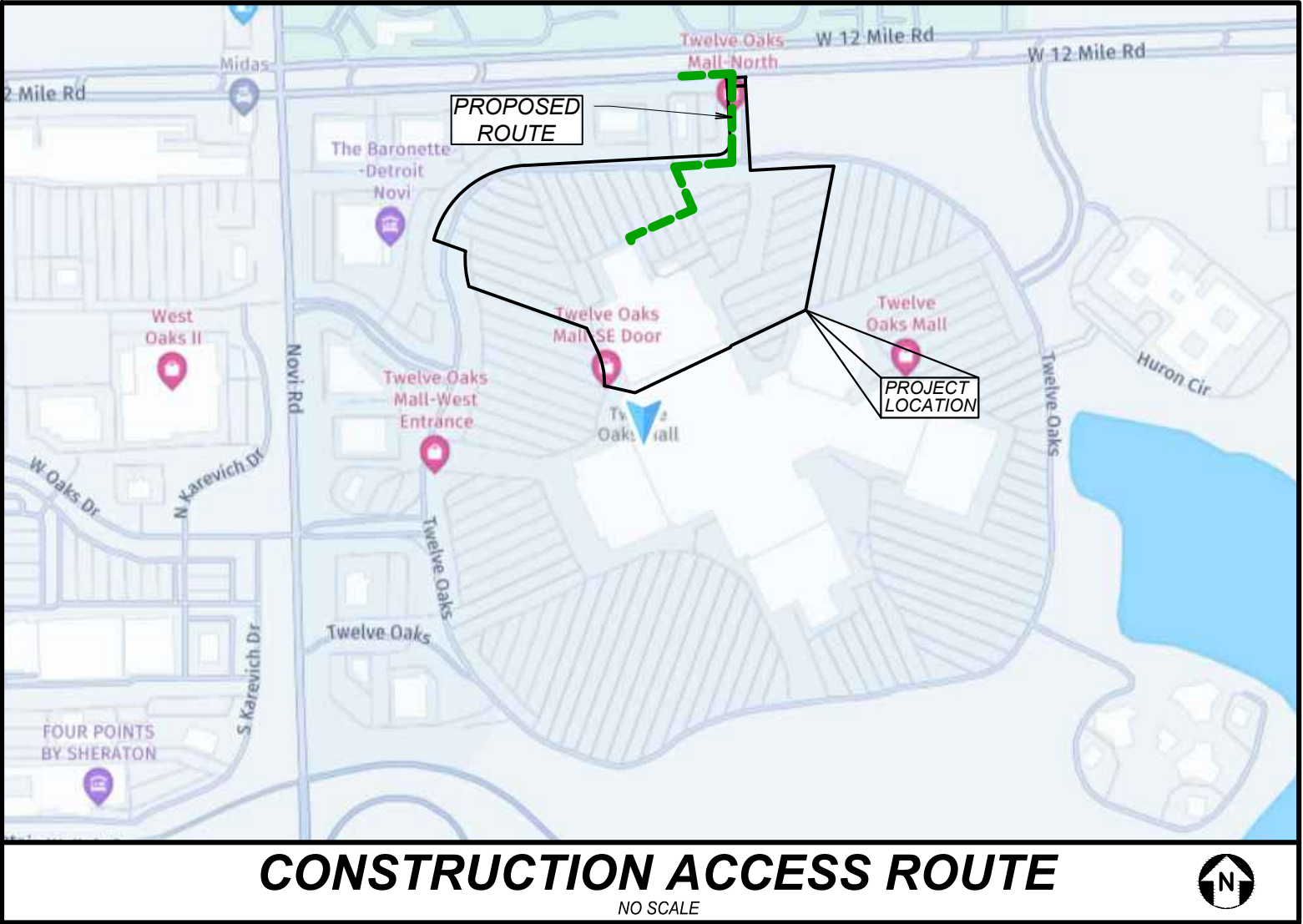





EROSION CONTROL PLAN:

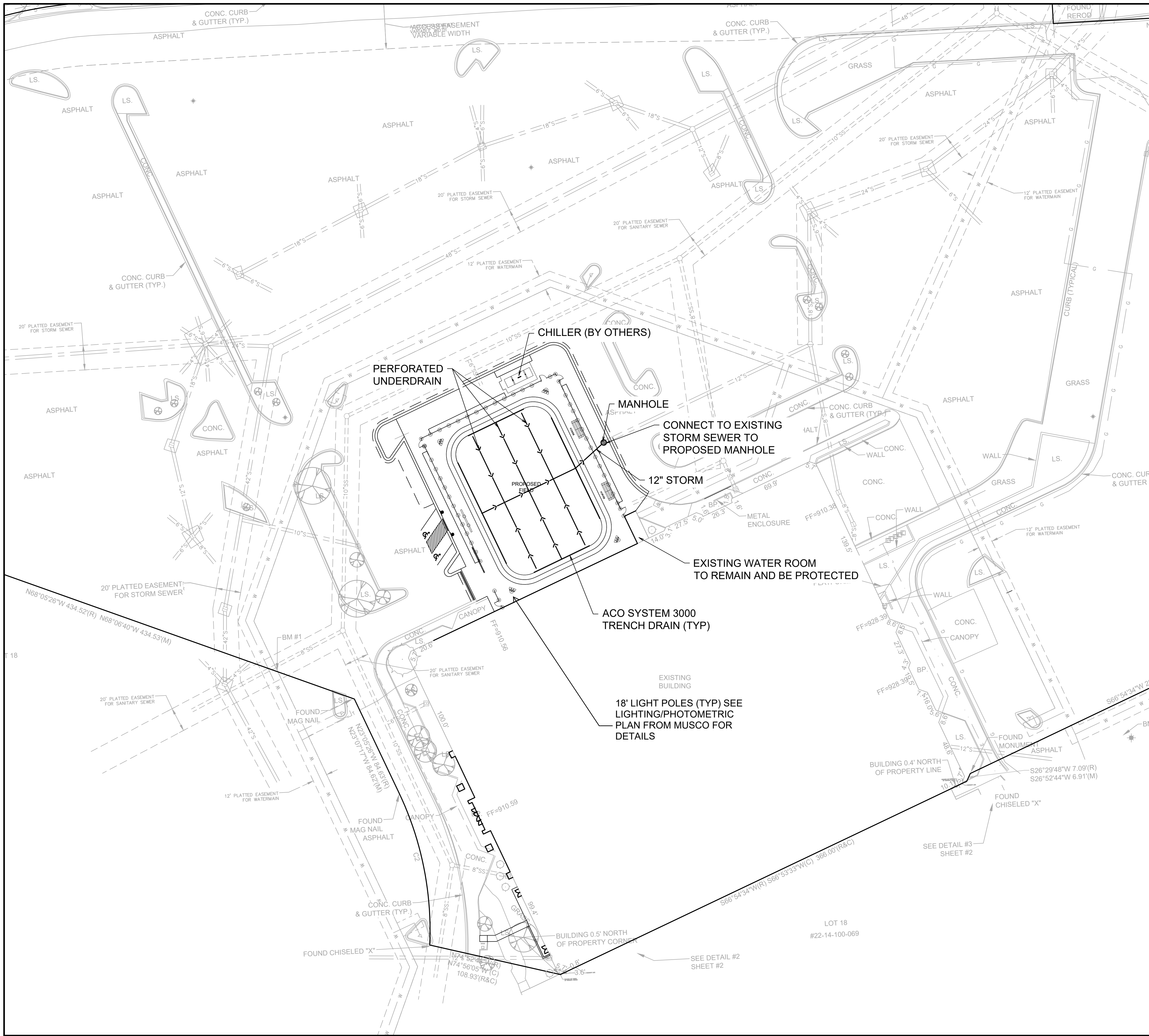
1. CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
2. CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES. SEE INLET PROTECTION DETAIL ON SHEET C5.0.

LEGEND	
	PROPOSED DECIDUOUS TREES
	EXISTING DECIDUOUS TREES
	EXISTING EVERGREEN TREES
	PROPOSED DECIDUOUS SHRUB
	INLET FILTER BASKET
	COIR LOGS (ROLLED EROSION CONTROL)
	SOD
	TURF
	ROCK MULCH



7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone www.v3co.com		DRAWING NO.	C3.1	NOVI	27500 NOVI ROAD	MICHIGAN	PROJECT NO.: 230787		ORIGINAL ISSUE DATE: 01DATE		REVISIONS				
							PROJECT MANAGER: RNW		DESCRIPTION		NO.	DATE	NO.	DATE	DESCRIPTION
							DESIGNED BY: MR								
							DRAWN BY: DB								
PRELIMINARY EROSION CONTROL-LANDSCAPE PLAN DICK'S SPORTING GOODS															





**NOTES:**

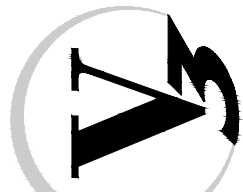
1. CONTRACTOR TO FIELD VERIFY LOCATION, INVERT, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.

**PRELIMINARY UTILITY PLAN**

**DICK'S SPORTING GOODS**

NOVI MICHIGAN 27500 NOVI ROAD

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com



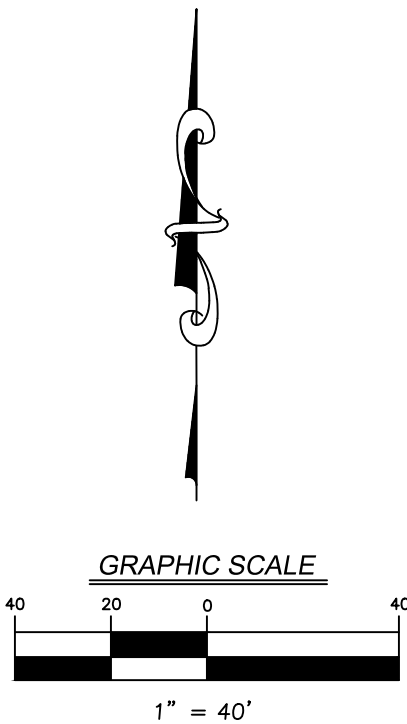
DRAWING NO.

**C4.0**

**REVISIONS**

ORIGINAL ISSUE DATE: ODATE		DESCRIPTION	
NO.	DATE	DESCRIPTION	DATE

PROJECT NO.: 230787	PROJECT MANAGER: RNW	DESIGNED BY: MR	DRAWN BY: DB
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[illegible]

<b>DICK'S</b>		<b>SPORTING GOODS</b>
DICK'S SPORTING GOODS 1615 TWELVE OAKS MALL NOVI, MI		
DRAWING TITLE: <b>FIRST FLOOR PLAN</b>		
USPDL:	1615	
CROSS REF:	99652 SF	
DATE:	02/03/2025	
CROSS REF:	Indicated	
CAUSE BY:	S. BOWEN	
REMARK #		
<b>F1.1</b>		





DSG Retail Sports Field

Pittsburgh,PA

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1-P4	40'	40'	1	CREE OSQ	0.10 kW	B
		40'	2	TLC-LED-400	0.80 kW	A
4			12		3.62 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Field Lighting	3.2 kW	8
B	Egress Lighting	0.42 kW	4

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
CREE OSQ	LED 5700K - 70 CRI	104W	14,973	--	--	--	4
TLC-LED-400	LED 5700K - 75 CRI	400W	46,500	>120,000	>120,000	>120,000	8

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Egress Lighting	Horizontal Illuminance	1.71	1	2.70	2.68	1.71	B	4
Exterior Sports Area	Horizontal Illuminance	22.5	15	29.2	2.00	1.50	A	8
Spill (Cd)	Max Candela (by Fixture)	756	232	1905	8.21	3.26	A,B	12
Spill	Horizontal	0	0	0	12.60		A,B	12
Spill	Max Vertical Illuminance Metric	0.01	0	0.03	8.65		A,B	12
Track	Horizontal	18.9	11.8	25.2	2.13	1.60	A	8

From Hometown to Professional



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EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
4	P1-P4	40'	-	40'	TLC-LED-400	2	2	0	
				40'	CREE OSQ	1	0	1	
4	TOTALS					12	8	4	

DSG Retail Sports Field  
Pittsburgh,PA

GRID SUMMARY	
Name:	Exterior Sports Area
Size:	124' x 84'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

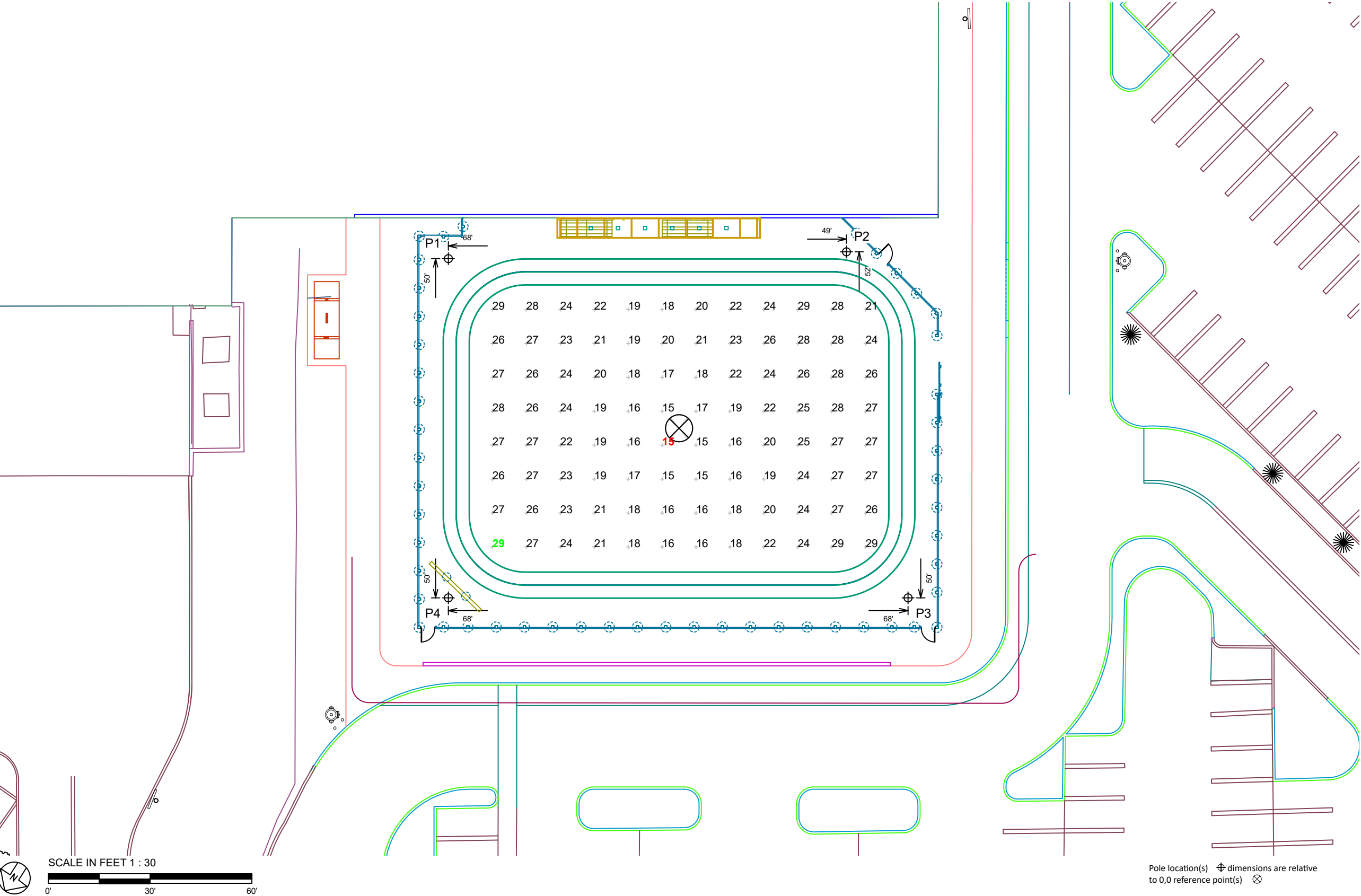
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
Guaranteed Average:	20
Scan Average:	22.46
Maximum:	29.2
Minimum:	15
Avg / Min:	1.54
Guaranteed Max / Min:	3
Max / Min:	2.00
UG (adjacent pts):	1.38
CU:	0.59
No. of Points:	96
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	8
Total Load:	3.2 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.



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ILLUMINATION SUMMARY



EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	40'	0'	40'	TLC-LED-400	2	0	2
				40'	CREE OSQ	1	1	0
4	TOTALS					12	4	8

DSG Retail Sports Field  
Pittsburgh, PA

GRID SUMMARY	
Name:	Egress Lighting
Size:	140' x 100'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

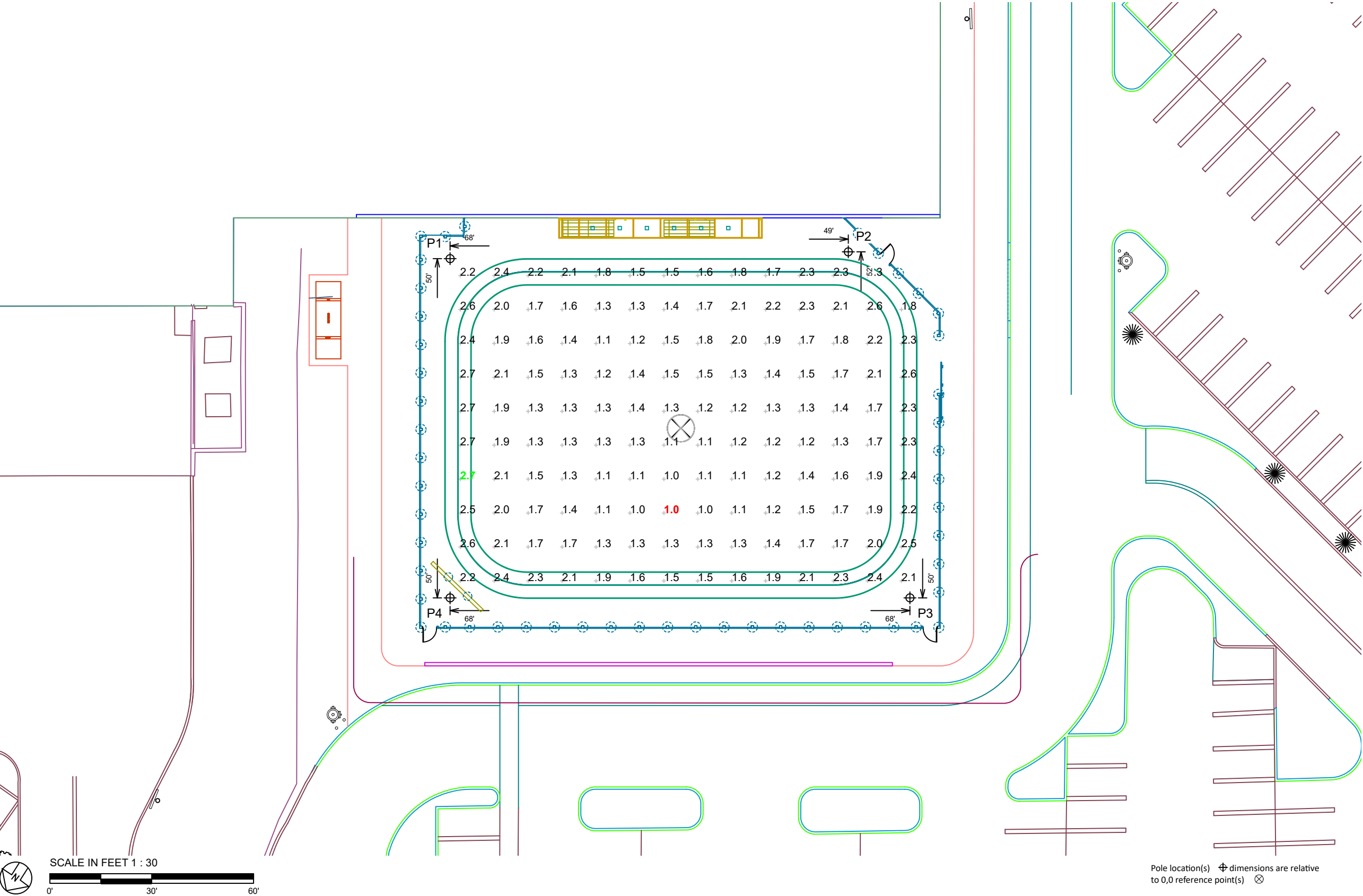
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
Scan Average:	1.71
Maximum:	2.7
Minimum:	1
Avg / Min:	1.68
Max / Min:	2.68
UG (adjacent pts):	1.46
CU:	0.37
No. of Points:	140
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	4
Total Load:	0.42 kW

**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.



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ILLUMINATION SUMMARY



EQUIPMENT LIST FOR AREAS SHOWN							
Pole				Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID
4	P1-P4	40'	-	40'	TLC-LED-400	2	2
				40'	CREE OSQ	1	0
4	TOTALS					12	8

DSG Retail Sports Field  
Pittsburgh,PA

GRID SUMMARY	
Name:	Track
Spacing:	10.0'
Height:	3.0' above grade

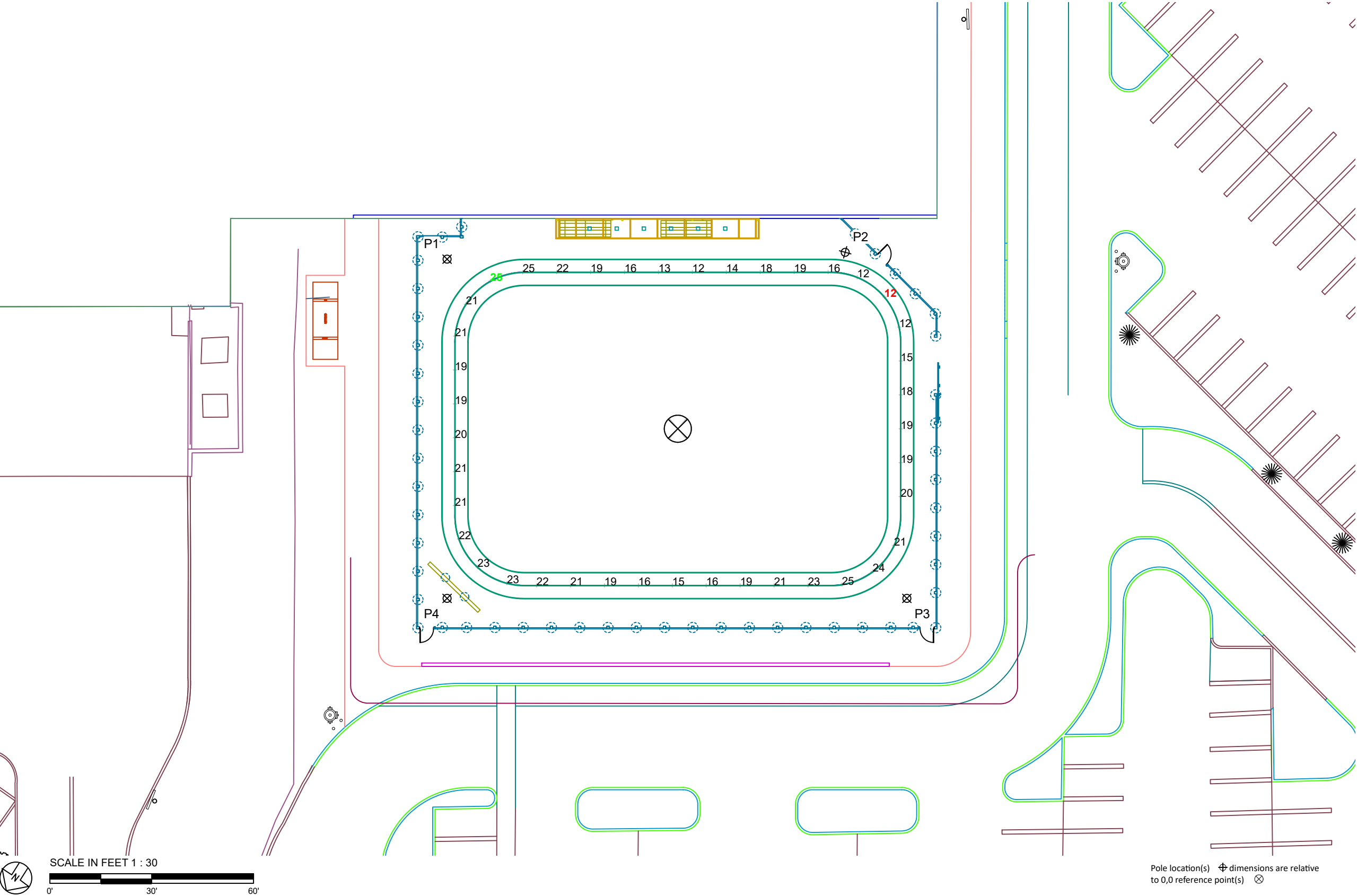
ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid 18.9297
Maximum:	25.155
Minimum:	11.83
No. of Points:	41
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	8
Total Load:	3.2 kW

**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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ILLUMINATION SUMMARY

DSG Retail Sports Field  
Pittsburgh, PA

EQUIPMENT LAYOUT

INCLUDES:

- Egress Lighting
- Exterior Sports Area

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

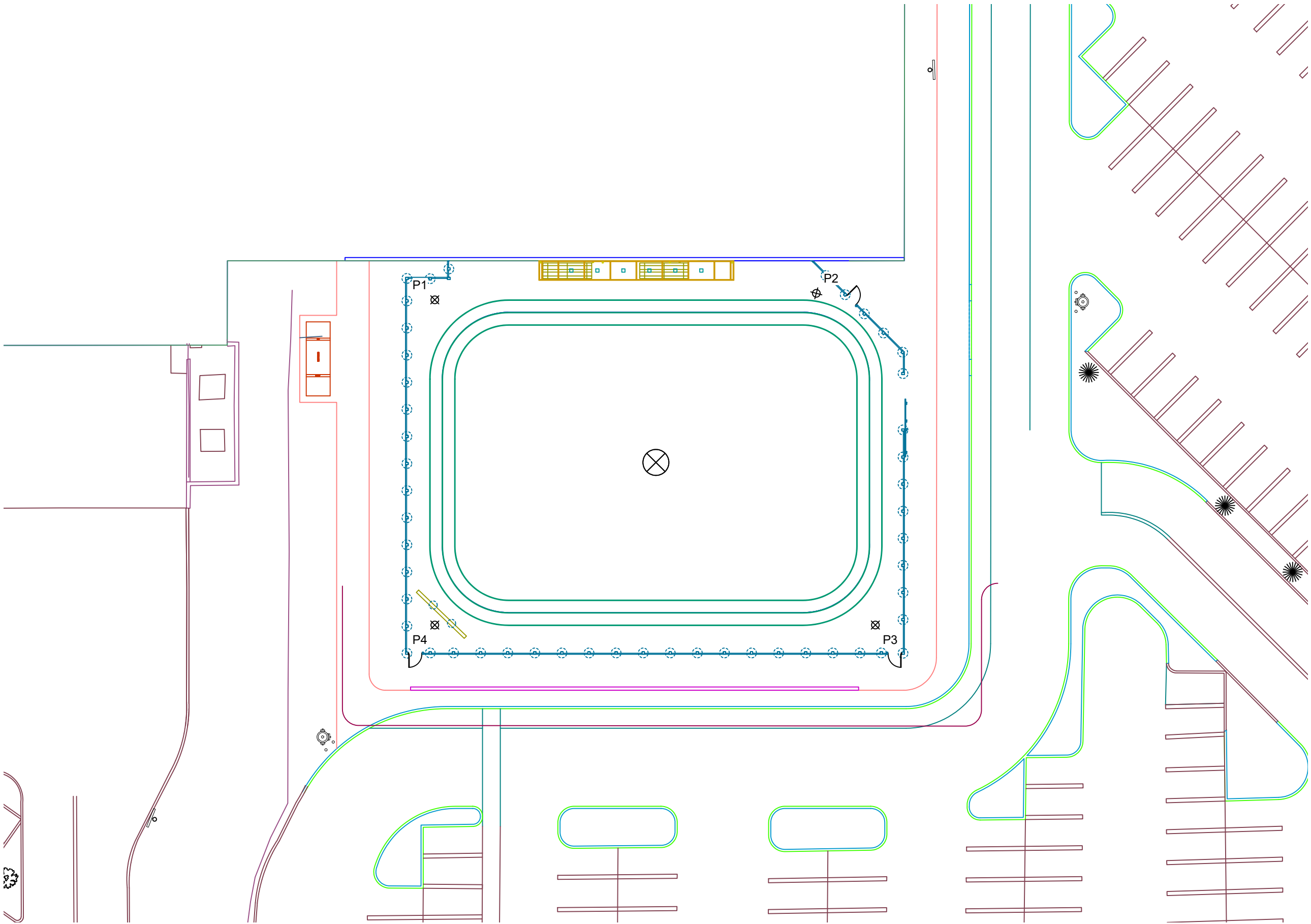
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	CLASS	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
4	P1-P4	LSS40A	-	40' 40'	TLC-LED-400 CREE OSQ	2 1
4	TOTALS					12

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast 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							
Cree OSQ	-	-	-	-	0.3	-	0.2
TLC-LED-400	2.3	2.2	2.0	1.7	1.4	1.3	1.0



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

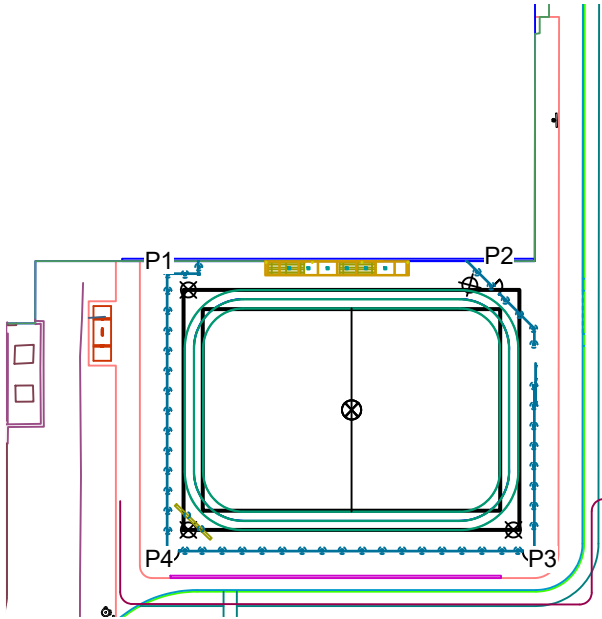


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SCALE IN FEET 1 : 30  
0' 30' 60'

EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	40'	-	40'	TLC-LED-400	2	2	0
				40'	CREE OSQ	1	1	0
4	TOTALS					12	12	0



## DSG Retail Sports Field

Pittsburgh,PA

GRID SUMMARY	
Name:	Spill
Spacing:	30.0'
Height:	-12.0' above grade

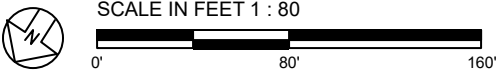
ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
	Entire Grid
Scan Average:	0.0012
Maximum:	0.004
Minimum:	0.00
No. of Points:	43
LUMINAIRE INFORMATION	
Applied Circuits:	A, B
No. of Luminaires:	12
Total Load:	3.62 kW

**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: Nathan Chizek · File #219606B · 03-Aug-22

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



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## ILLUMINATION SUMMARY

# 5 Easy Pieces™

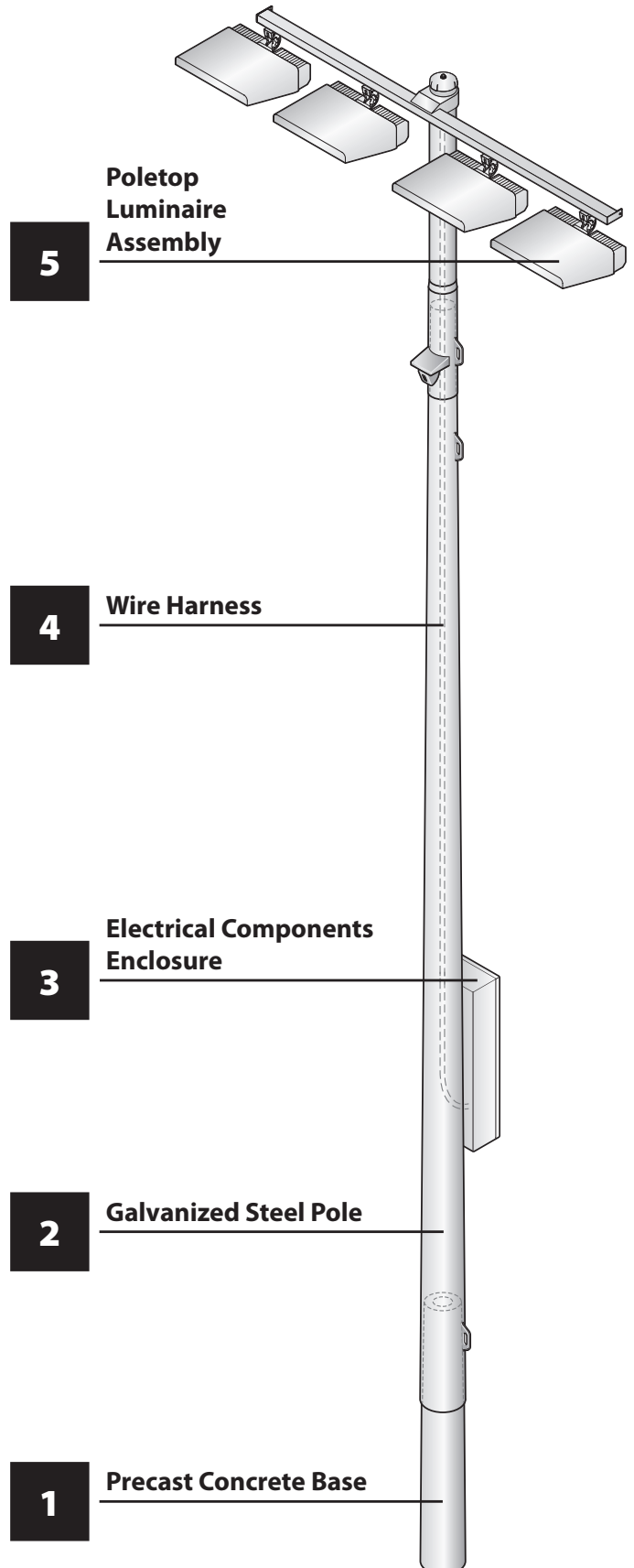
## Complete System from Foundation to Poletop

Factory wired, aimed, and tested

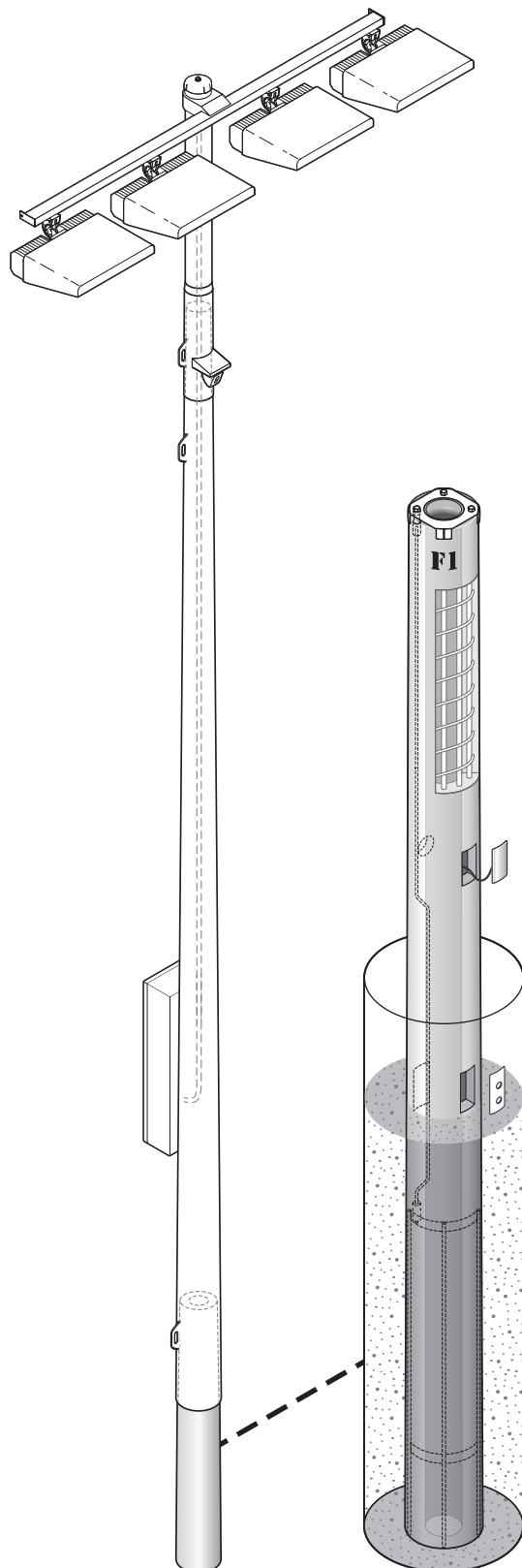
Fast, trouble-free installation

Comprehensive corrosion package

Integrated lightning ground



## TLC for LED® – Precast Concrete Base



### Overview

The precast concrete base is set directly into the ground and backfilled with concrete. The base includes an integrated lightning ground system.

### Features

#### Base

- Set pole on base in 24 hours
- Tapered upper section for slip-fit steel pole
- Access holes for wire entry
- Epoxy-coated ends prevent water intrusion
- Lifting hole accepts load-rated steel rod provided by Musco

#### Integrated Lightning Ground System

- Complies with NFPA 780, UL 96A, and EN 62305 standards when installed per Musco installation instructions
- UL Listed, Class II Lightning Protection, file number E337467
- Tested up to 100 kA by independent laboratory
- Steel pole interfaces with integrated grounding system by means of the pole grounding connector
- 2/0 AWG (crosssectional area of 67.4 mm<sup>2</sup>) grounding electrode conductor
- Concrete-encased grounding electrode, 20 feet (6.1 m) total length, ½ inch (12.7 mm) diameter

### Technical Specifications

Base dimensions vary. For measurements refer to project-specific *Foundation and Pole Assembly* drawing.

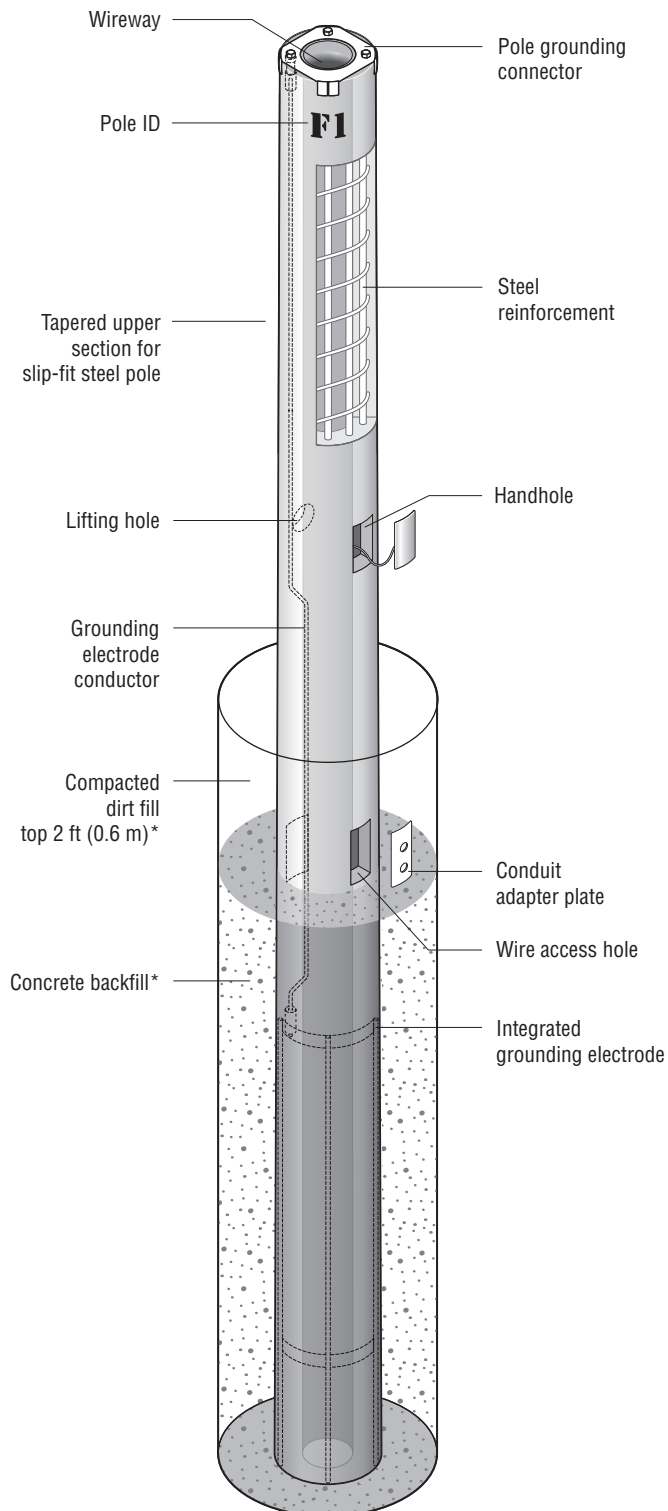
#### Construction

- Spun concrete construction
- Prestressed steel vertical strands and coil spiral for strength throughout base
- Minimum design strength is 9500 lb/in<sup>2</sup> (65.5 MPa) at 28 days
- Meets ASTM C1804 design requirements

#### Quality Assurance Tests

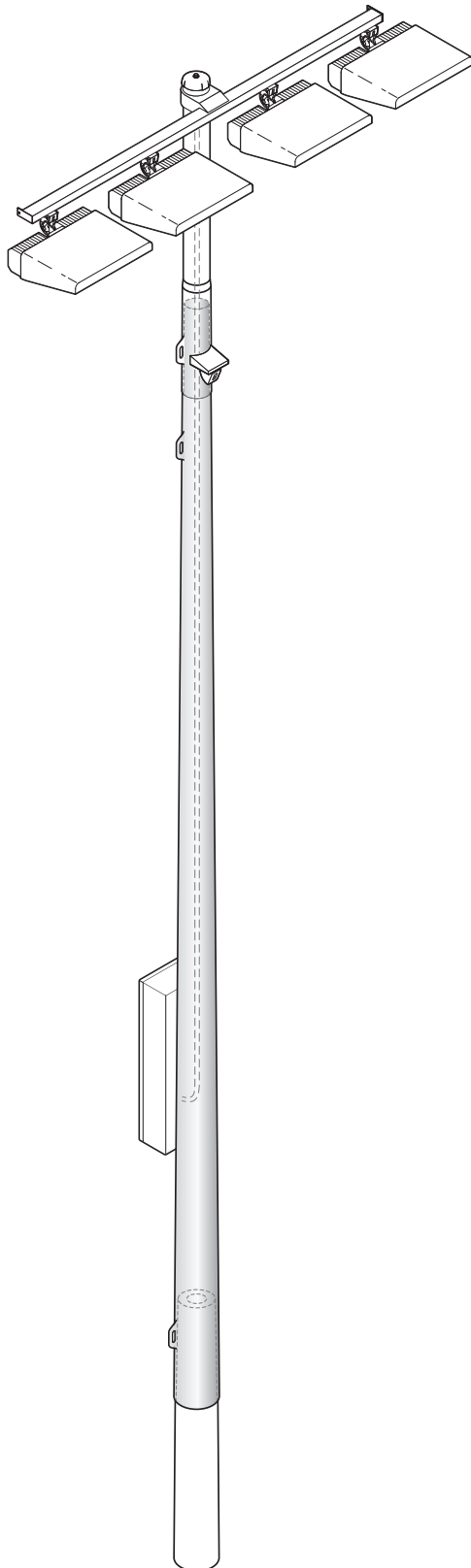
- 28-day compressive strength
- Bending moment capacity
- Grounding system continuity

## TLC for LED® – Precast Concrete Base



\*Standard pier foundation shown. Foundation and/or backfill may vary per alternate foundation design.

## TLC for LED® – Galvanized Steel Pole



### Overview

The galvanized steel pole is designed to slip-fit together with the precast concrete base and the poletop luminaire assembly.

### Features

- Slip-fit connection allows pole assembly with come-alongs
- Built-in hardware for attaching electrical components enclosure
- Wire access from inside the pole (no exposed wiring or conduit)
- Shipped in sections for easier handling
- Labeled with pole identification for location on field

### Technical Specifications

Pole dimensions vary. For measurements refer to project specific pole configuration drawing.

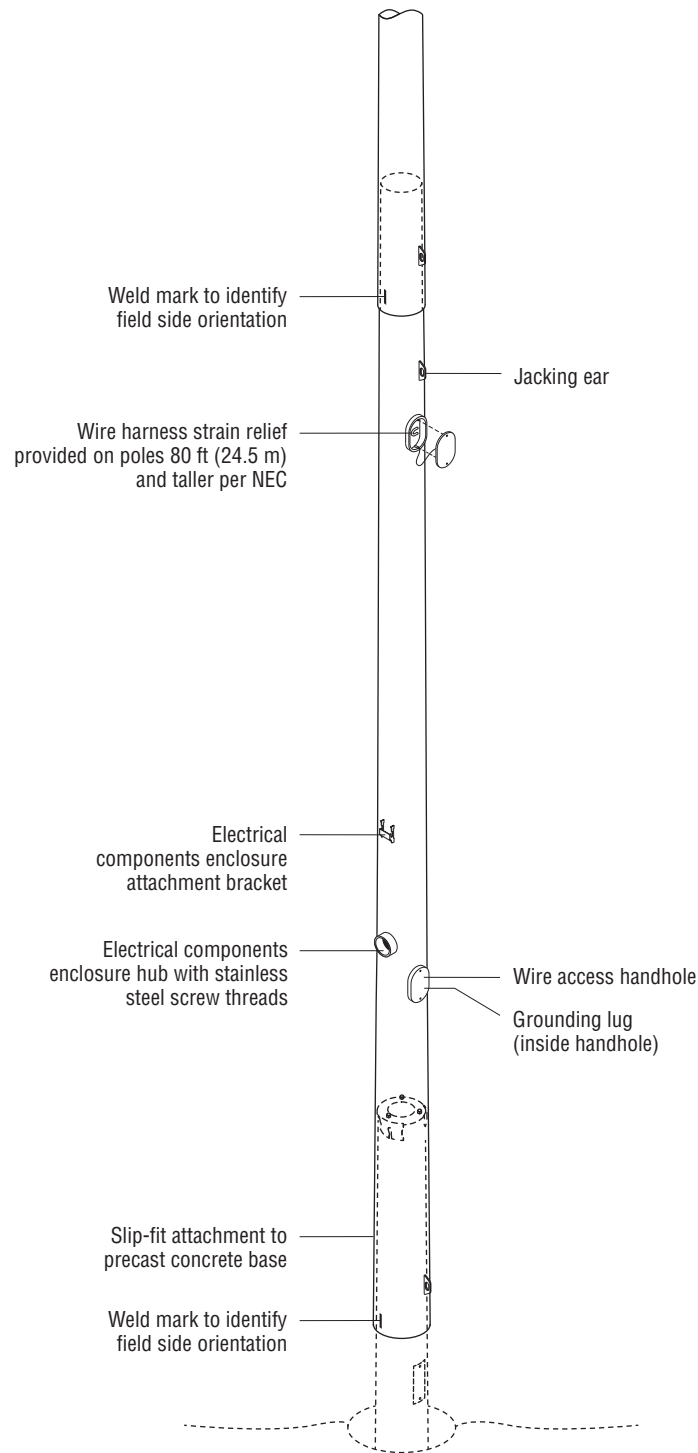
### Construction

- Pole designs comply with all major building codes
- High strength, low alloy, tapered, round steel pole
- Hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- Conforms to AASHTO stress standards and BS EN 40-3-1
- Grounding lug—rated for aluminum (AL) or copper (CU) wiring
- Pole shipped in sections
- Stainless steel fasteners passivated and coated
- Material certifications are available

### Quality Assurance Tests

- Bending stress
- Minimum galvanizing thickness
- Straightness measurement

## TLC for LED® – Galvanized Steel Pole





## TLC for LED® – Electrical Components Enclosure

### Overview

The electrical components enclosure contains all necessary equipment to operate luminaires. Built-in mounting hardware allows for easy attachment to the galvanized steel pole. Quick connect plugs fasten to the wire harness.

### Features

- Factory-built and tested as a unit
- Quick connect plug for easy field wiring
- Mounted 10 ft (3 m) above grade for servicing with ladder
- Labeled with pole identification and electrical information
- Drivers individually fused and spare fuses supplied
- Wire access from inside the pole (no exposed wiring or conduit)
- Disconnect per circuit

### Technical Specifications

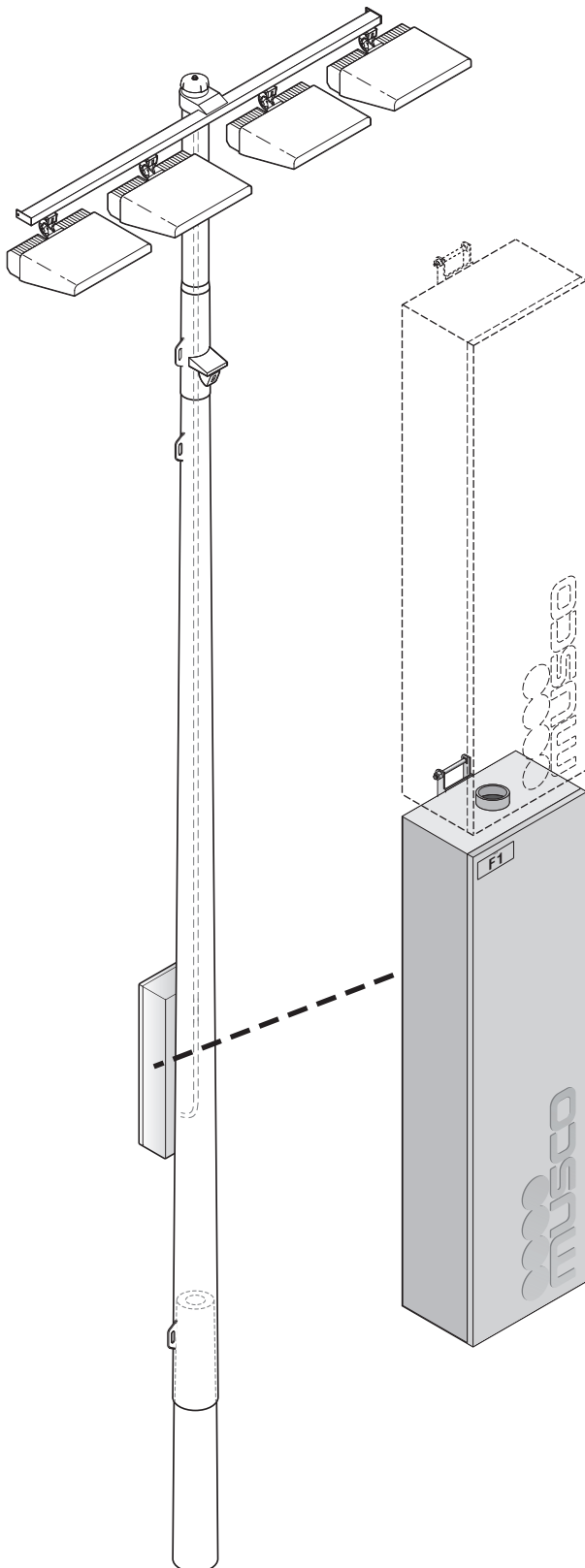
For amperage draws and circuitry refer to project specific document.

### Construction

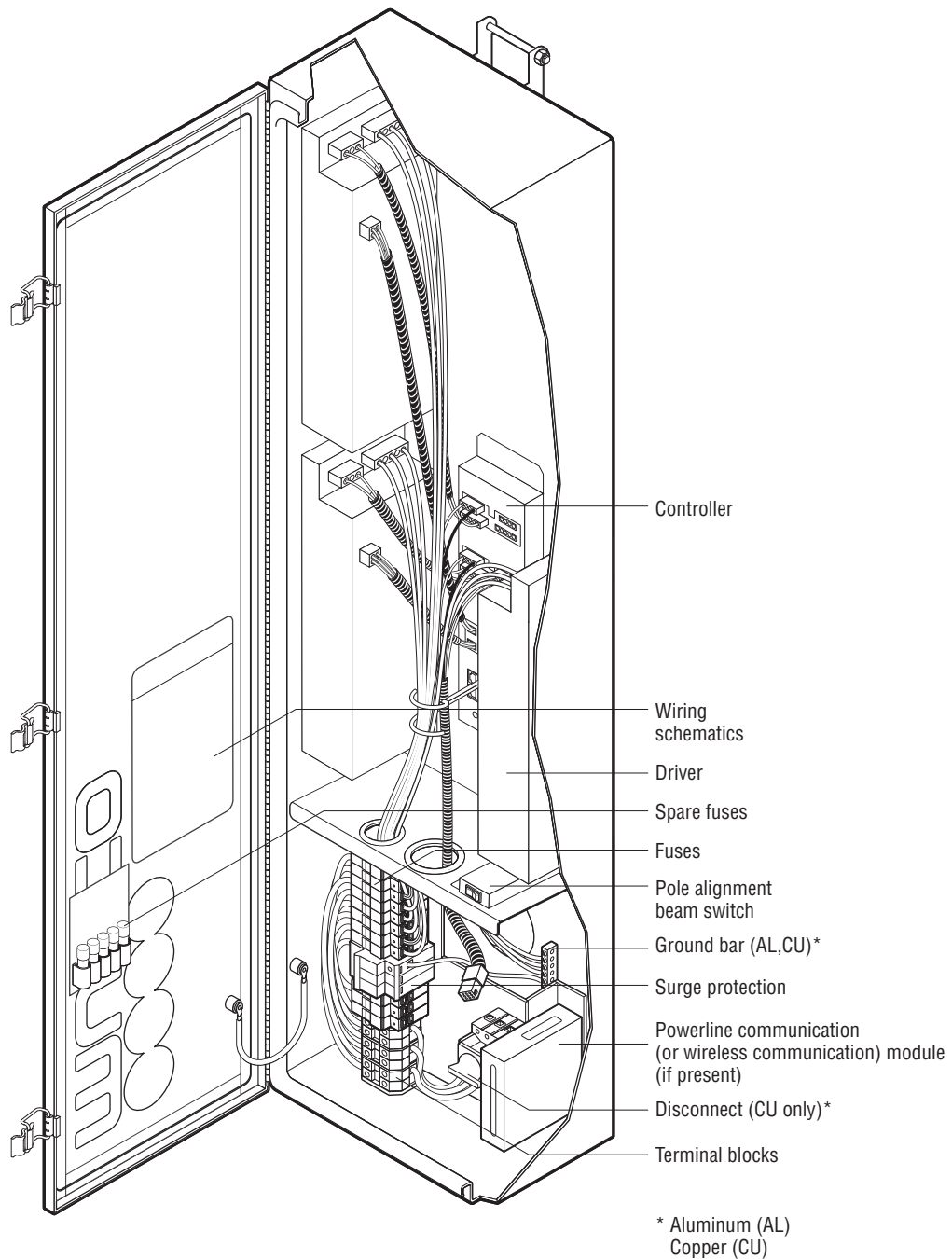
- 0.08 inch (2 mm) thick, powder-coated aluminum
- Enclosure ratings: NEMA 3R, IP54
- Designed to operate in up to 50° C (122° F) ambient temperature
- Full length stainless steel hinge
- All stainless steel fasteners passivated and coated
- Meets touchsafe standards
- Up to four drivers per enclosure
- Approximate weight 65 lb (29 kg)
- Lower enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 52.5 in (1334 mm) high
- Upper enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 40.5 in (1029 mm) high

### Quality Assurance Tests

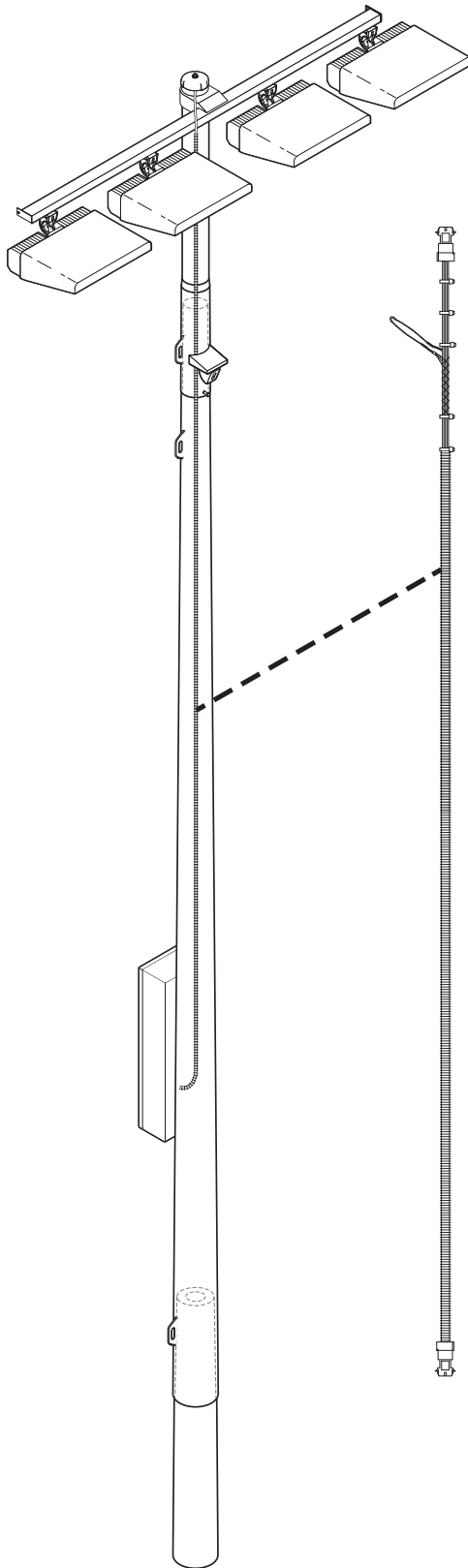
- Grounding continuity
- High potential dielectric withstand
- Full functionality test



## TLC for LED® – Electrical Components Enclosure



## TLC for LED® – Wire Harness



### Overview

The factory-built wire harness connects the electrical components enclosure to the poletop luminaire assembly.

### Features

- Quick connect plugs for easy field wiring
- Factory-assembled support grip alleviates strain on connections
- Spiral wound cable eliminates slippage
- Protective sleeve prevents wire damage
- All internal wiring, no exposed wires
- Labels identify pole and luminaires

### Technical Specifications

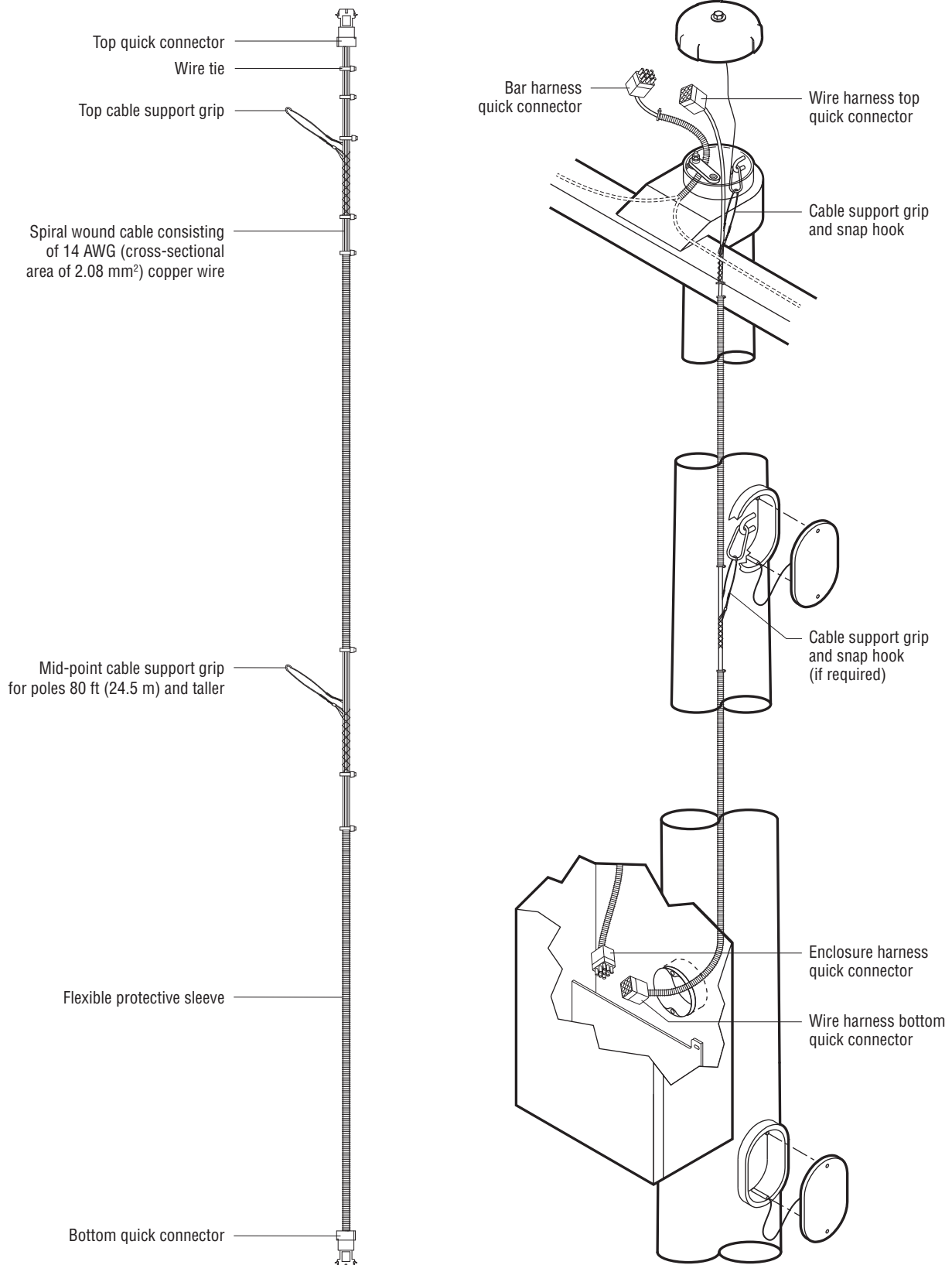
#### Construction

- Spiral wound, wrapped cable, 14 AWG (cross-sectional area of 2.08 mm<sup>2</sup>) copper wire
- Integral cable support grip
- Two wires per driver
- Each harness supports up to four drivers
- Multiple top connectors may be present if required for number of luminaires

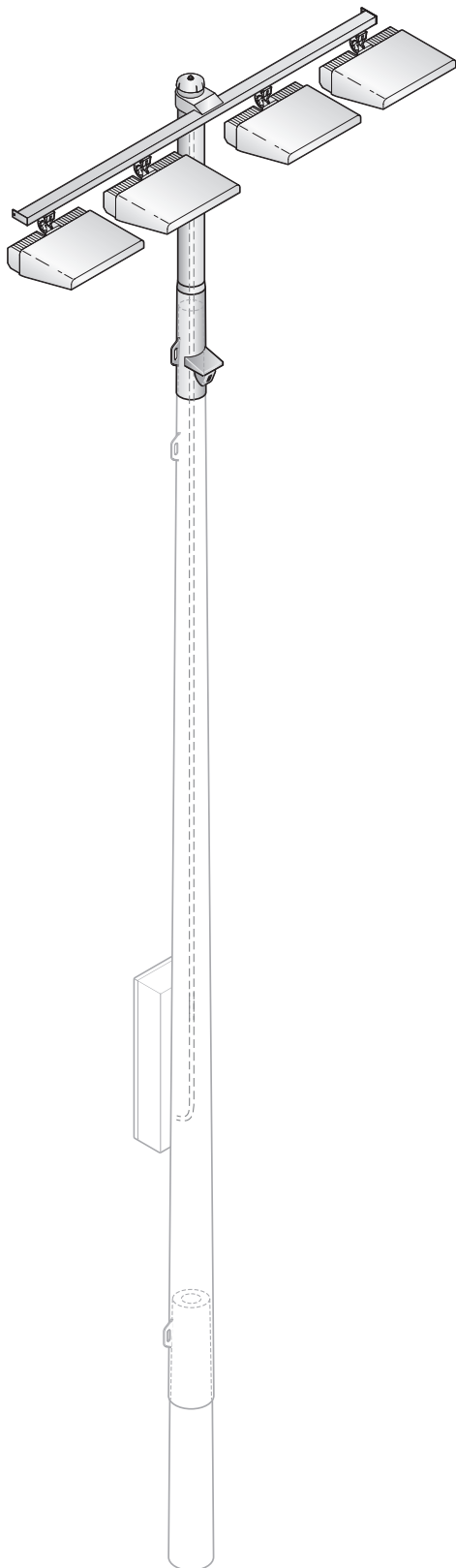
#### Quality Assurance Tests

- Connector/load resistance
- High potential dielectric withstand
- Grounding continuity
- Termination crimp

## TLC for LED® – Wire Harness



## TLC for LED® – Poletop Luminaire Assembly, Weld On



### Overview

The factory-aimed poletop luminaire assembly is the upper section of the pole and slip-fits together with the galvanized steel pole.

### Features

- Each luminaire is factory-built, tested, and ships as a unit
- Luminaires are factory-aimed to two-tenths degree of accuracy
- Luminaire mounts and connects in a single step
- Slip-fit connection allows assembly with come-alongs
- All luminaires are factory-wired to a quick connect harness for easy installation
- Labels identify pole and luminaire location
- No exposed wiring or conduit
- Factory-set pole alignment beam allows easy field alignment

### Technical Specifications

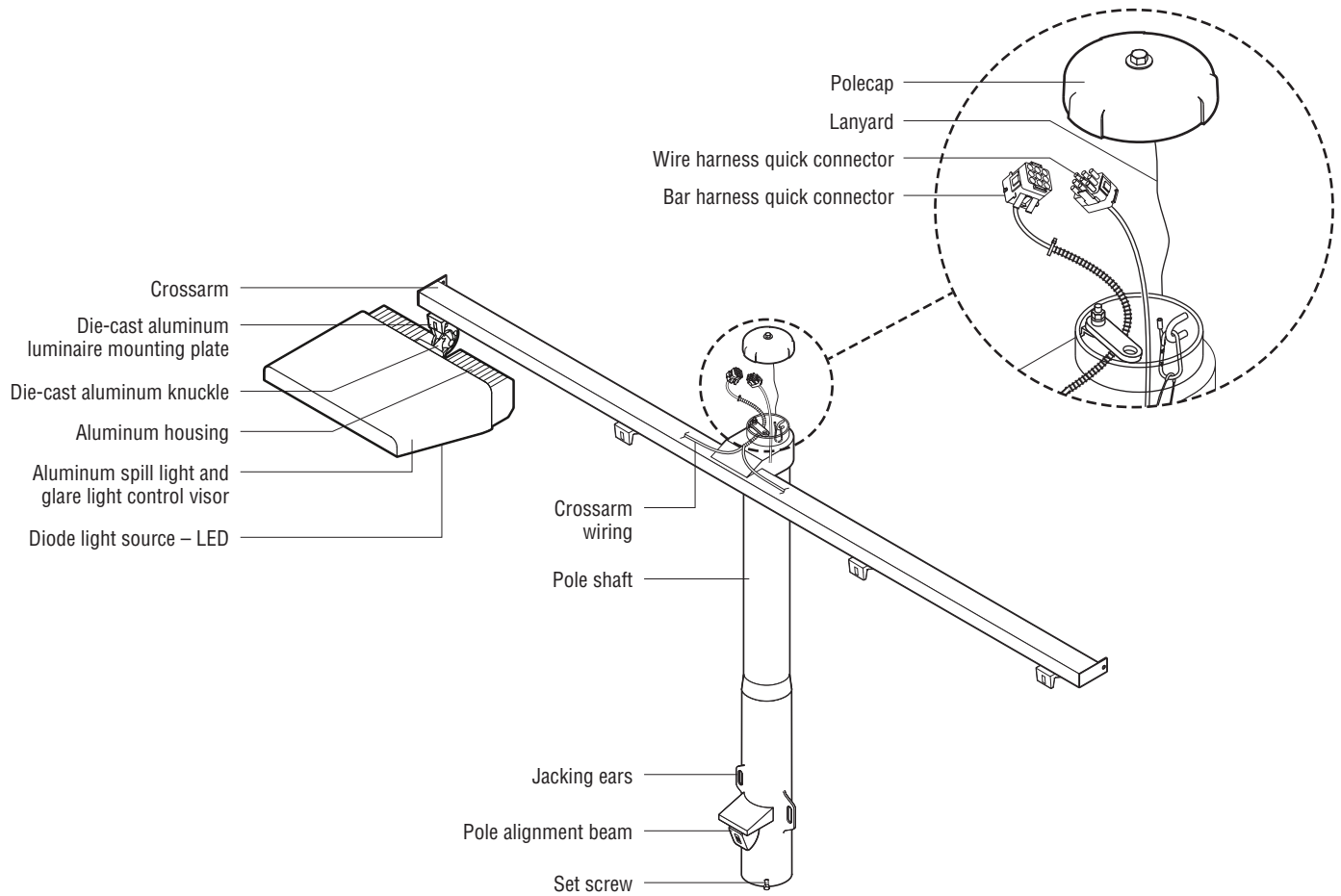
#### Construction

- Crossarms and pole shaft hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- All aluminum components are powder-coated or anodized to mil-A-8625F and BS 5599
- Luminaire and knuckle are powder-coated die-cast aluminum
- All stainless steel fasteners are passivated and coated
- Crossarms are constructed of rectangular steel tubing
- Polecap is attached with stainless steel lanyard and securing bolt

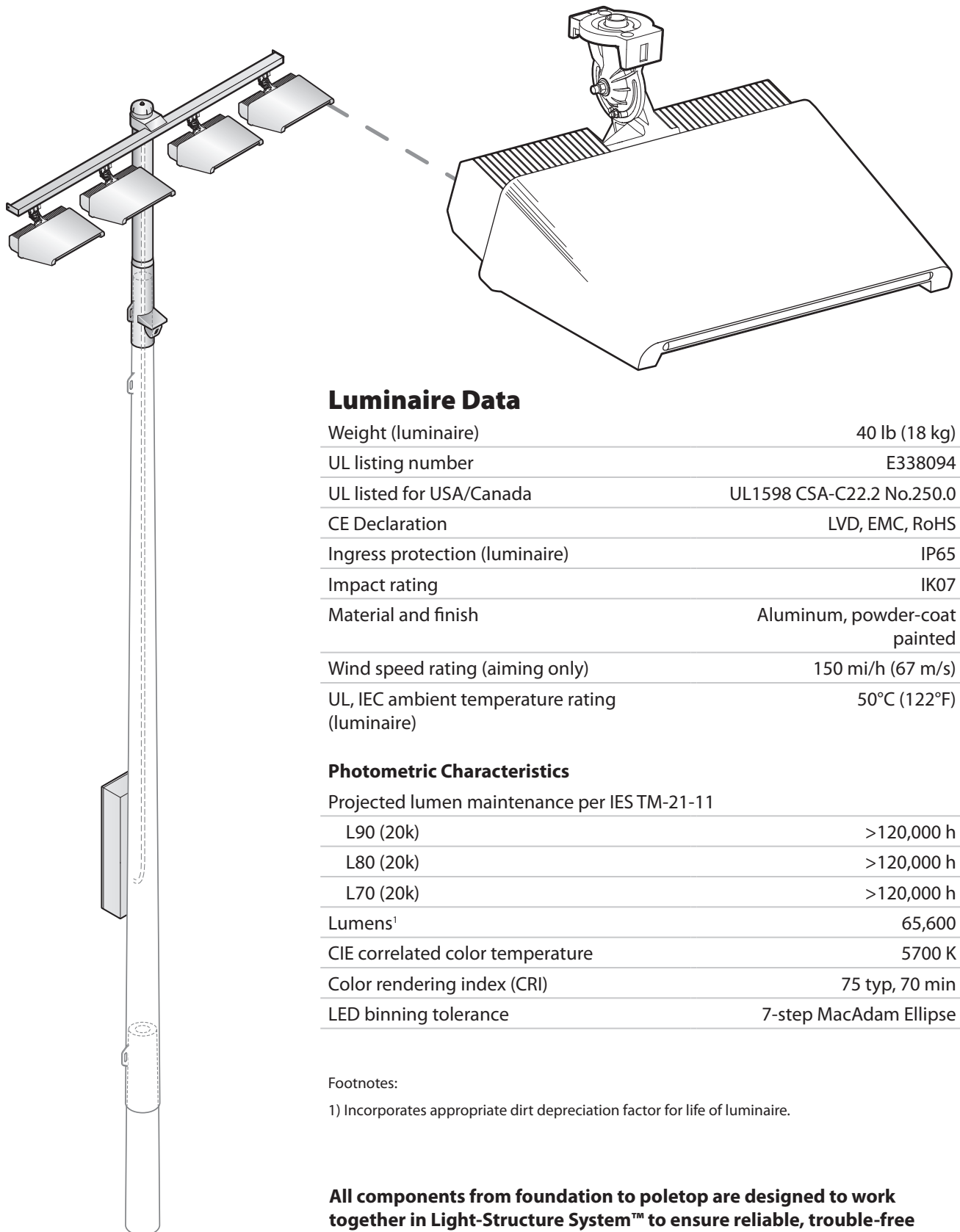
#### Quality Assurance Tests

- Galvanizing thickness
- High potential dielectric withstand
- Electrical continuity

## TLC for LED® – Poletop Luminaire Assembly, Weld On



## Luminaire and Driver – TLC-LED-600



### Luminaire Data

Weight (luminaire)	40 lb (18 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

### Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens <sup>1</sup>	65,600
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

**All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.**

## Luminaire and Driver – TLC-LED-600

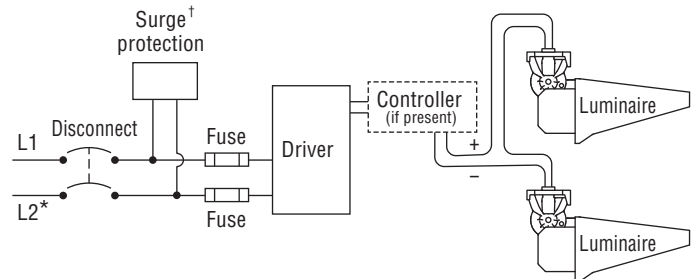
### Driver Data

#### Electrical Data

Rated wattage<sup>1</sup>

Per driver	1160 W
Per luminaire	580 W
Number of luminaires per driver	2
Starting (inrush) current	<40 A, 256 $\mu$ s
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	20 – 100%
Range, light output	25 – 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

#### Typical Wiring



\* If L2 is neutral then not switched or fused.  
 † Not present if indoor installation.

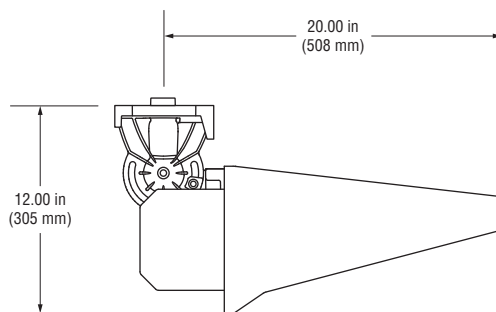
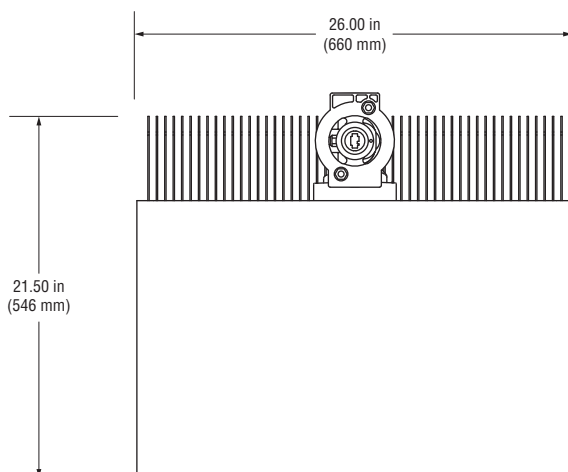
	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire <sup>2</sup>	3.54 A	3.40 A	3.22 A	3.08 A	2.95 A	2.56 A	2.04 A	1.86 A	1.77 A	1.71 A	1.48 A

#### Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

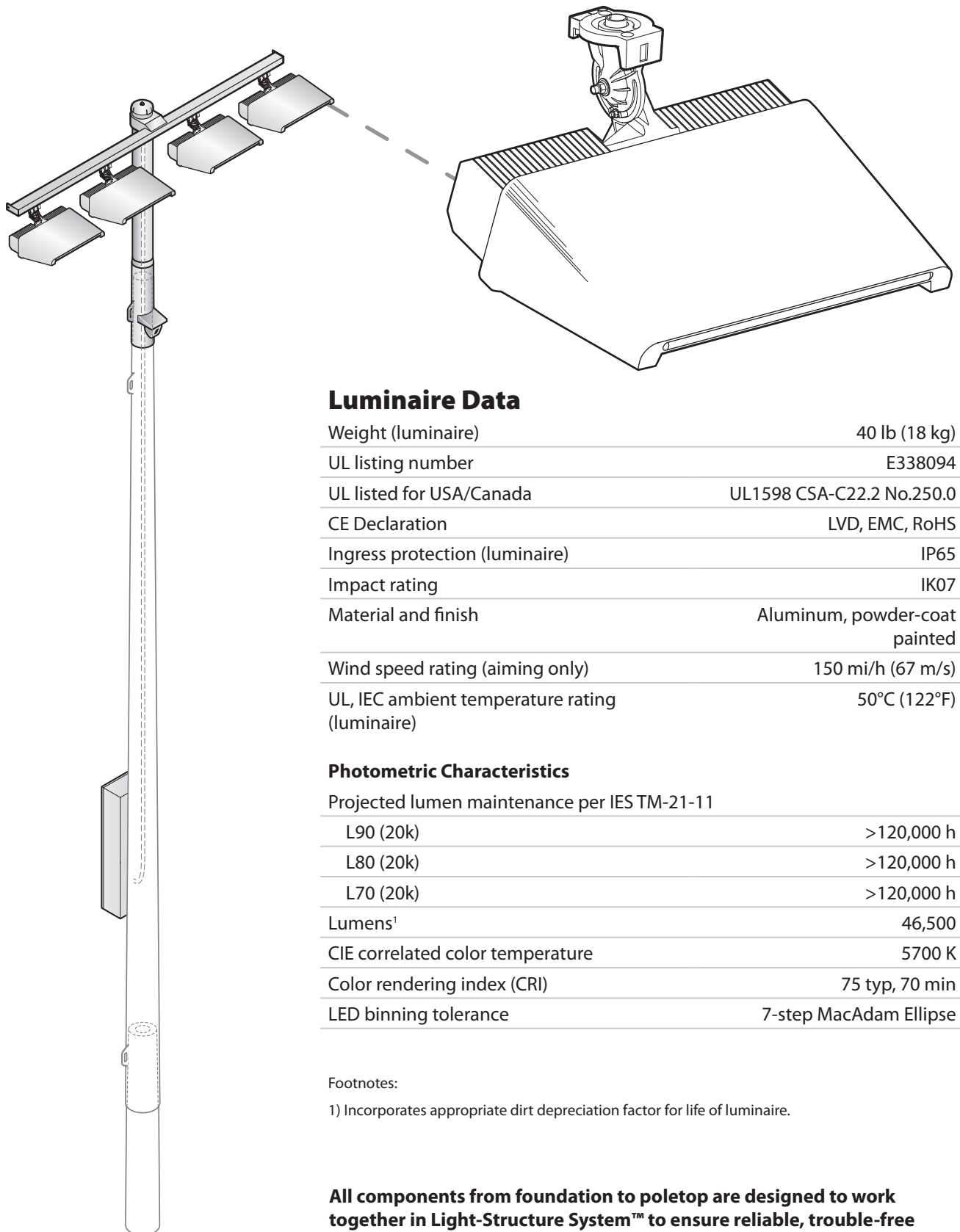
#### Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





## Luminaire and Driver – TLC-LED-400



### Luminaire Data

Weight (luminaire)	40 lb (18 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

### Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens <sup>1</sup>	46,500
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

**All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.**

## Luminaire and Driver – TLC-LED-400

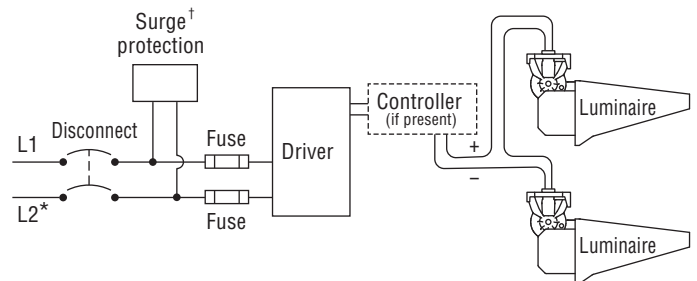
### Driver Data

#### Electrical Data

Rated wattage<sup>1</sup>

Per driver	800 W
Per luminaire	400 W
Number of luminaires per driver	2
Starting (inrush) current	<40 A, 256 $\mu$ s
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	26 – 100%
Range, light output	30 – 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

#### Typical Wiring



\* If L2 is neutral then not switched or fused.  
 † Not present if indoor installation.

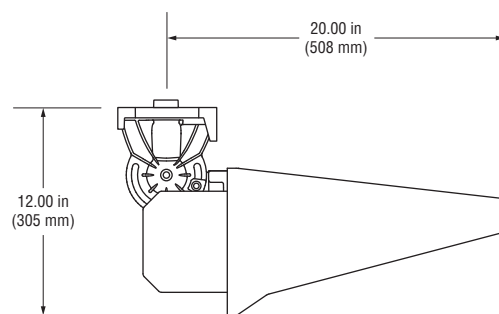
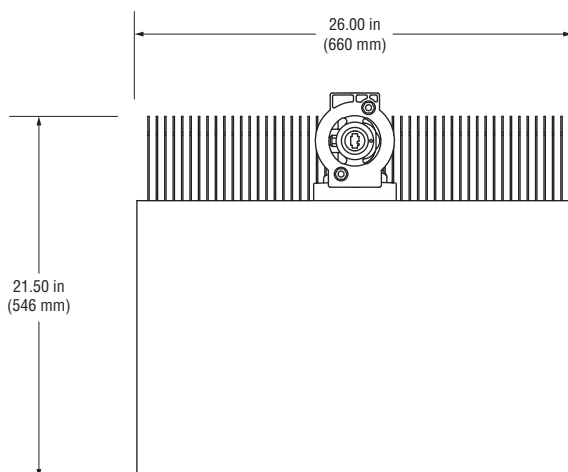
	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire <sup>2</sup>	2.40 A	2.31 A	2.18 A	2.09 A	2.00 A	1.73 A	1.39 A	1.27 A	1.20 A	1.16 A	1.00 A

#### Footnotes:

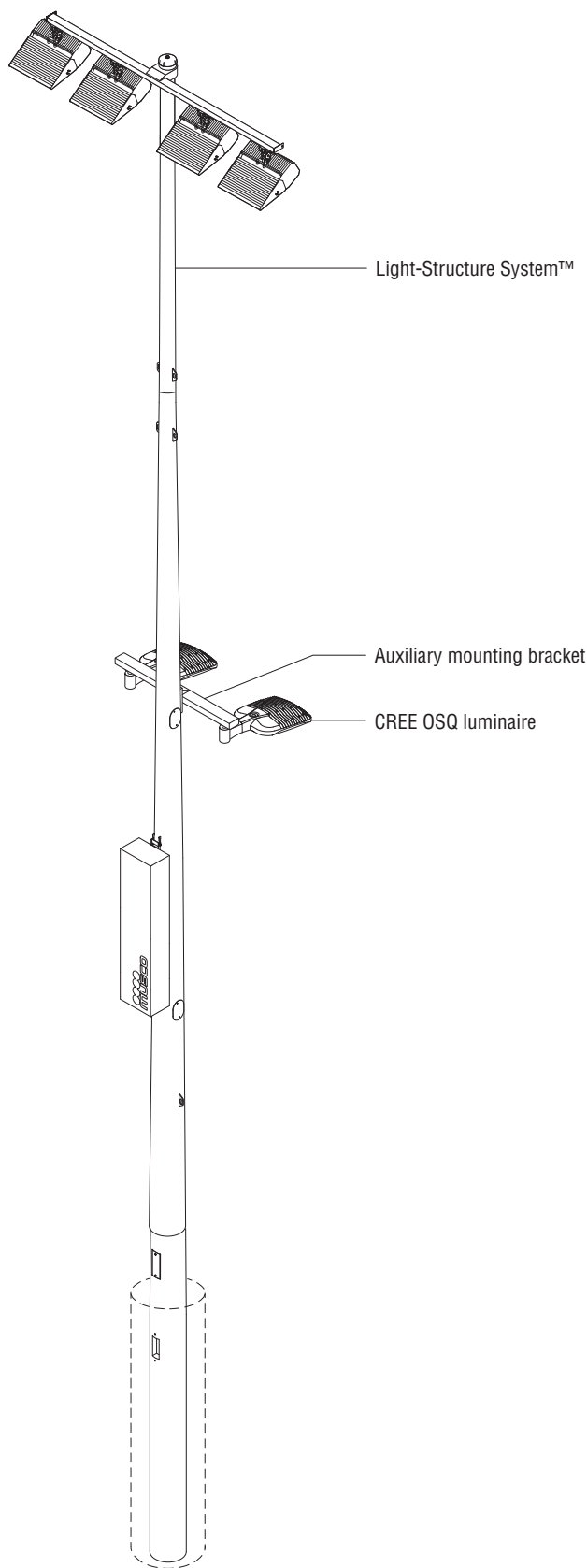
- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

#### Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.



# Datasheet: OSQ Area Luminaire on Light-Structure System™ Pole



## Luminaire Data

Manufacturer .....	Cree, Inc.
Material and finish .....	Die-cast aluminum with silver powder-coat finish <sup>1</sup>
Mounting.....	Direct mount arm to Musco auxiliary bracket
Pole attachment .....	Auxiliary bracket mount
Weight (luminaire) .....	26.5 lb (12 kg)

## Regulatory and Voluntary Qualifications

UL .....	cULus Listed
Environment.....	Suitable for wet locations
Ingress Protection.....	IP66
Emissions.....	Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
RoHS .....	Compliant

## Photometric Characteristics

Lumen maintenance factor <sup>2</sup>	
25k hours <sup>3</sup> .....	0.96
50k hours <sup>3</sup> .....	0.92
75k hours <sup>3</sup> .....	0.88
100k hours <sup>4</sup> .....	0.84
CIE correlated color temperature .....	5700 K
Color Rendering Index (CRI), minimum .....	70
Lumens.....	17,000

### Footnotes:

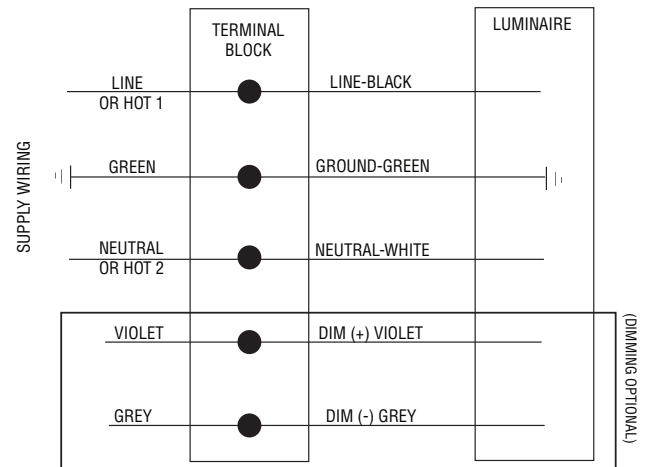
- 1) Cree's exclusive Colorfast DeltaGuard® finish features an E-coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation, and abrasion.
- 2) Lumen maintenance values at 25°C ambient temperature are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- 3) Values are represented as projected values within six times limit of tested hours per IES TM-21-11.
- 4) Values are represented as calculated values due to exceeding six times limit of tested hours.

# Datasheet: OSQ Area Luminaire on Light-Structure System™ Pole

## Electrical Data

Rated wattage per luminaire<sup>1</sup> ..... 130 W  
 Input voltage ..... 120–277 V or 347–480 V, 50/60 Hz  
 Driver configuration ..... Integral  
 Driver Efficiency ..... >90%  
 Starting (inrush) current ..... 73 A, 120 μs  
 Power factor ..... >0.9  
 Total Harmonic Distortion ..... <20%  
 Operating temperature range .... -40°C – +35°C (-40°F – +95°F)  
 Dimming mode<sup>2</sup> ..... 0–10 V dimming to 10%

## Typical Wiring



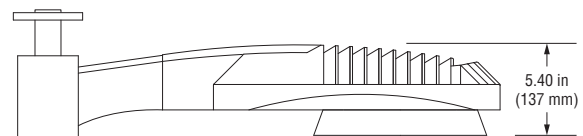
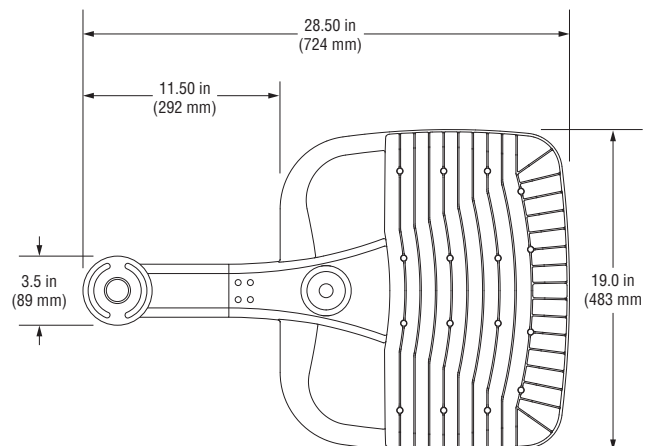
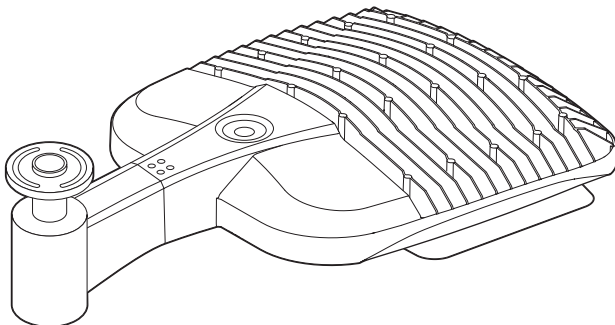
	120 Vac	208 Vac	240 Vac	277 Vac	347 Vac	480 Vac
Max operating current <sup>3</sup>	1.09 A	0.65 A	0.56 A	0.49 A	0.38 A	0.28 A

### Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Dimming controls not provided by Musco. Driver provides 10V source current at 0.15 mA, compliant with IEC 60929 Annex E dimming standard.
- 3) Operating current based on 25°C.

### Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.





Client: Dicks Sporting Goods

Fixture Manufacturer: ENVISION

Lamp Manufacturer: N/A

Cat#: LED-WPROT2-25WS-TRI-BZ

Cat#: N/A

Capitol Light is not responsible for inaccuracies in manufacturers published specifications

Type

E1

Project: \_\_\_\_\_ Part #: \_\_\_\_\_  
Type: \_\_\_\_\_

## Rotating Wall Pack Single & Double Module

Light up your outdoor area with the EnVision Bolt Series, a line of Area Light fixtures with high lumen per watt efficacy (minimum 130lm/w). The Bolt Wall Packs are available in a variety of different styles: non-cutoff, fully cut-off, semi cut-off, adjustable, and a rotatable up/down light. EnVision's rotating wall pack is an architectural LED luminaire that allows end users to rotate the modules in a complete 360° to light up a desired area. The fixtures are slim and low profile while providing a high lumen output.

### Detail Specification:

- CRI >80 LED Chips
- 120-277V or 277-480V flicker-free driver, PF >0.9
- 0-10V Dimmable for controls
- Type II Adjustable forward throw beam angle
- 10KV Surge protector standard
- IP65 Wet Location Rated
- Operating Temp: -4°-114°F

### Mounting:

- Wall mounted
- J-box from the backside
- Wire into the 1/2" threaded hub
- See installation guide for more information available.

### Applications:

- General outdoor lighting
- Commercial buildings
- Pathways, sidewalks, streets, etc.

### Product Information:

- Sturdy die-cast aluminum housing finished with corrosion free powder coat
- 360° rotating heads, no tools needed
- 1/2" knockouts on each side and bottom
- Bronze finish standard. Custom color options available.
- Instant-on, no warm up period
- Compatible with sensors, photocells, emergency backups
- L70 @ 70,000 Hours lumen maintenance

### Certifications:

- UL Listed for USA and CA
- DLC Listed
- IESNA LM-79 & LM-80 tests available
- FCC CFR 47, FCC Part 15, Subpart B:2017
- 7 Year EnVision LED Limited Warranty

### What's Included:

- LED Fixture
- Mounting Bracket
- Installation Guide

**L E D - W P R O T 2 -** **Watts** - **Color** - **Finish** - **Accessories** - **EMB** - **Warranty**

**1** **2** **3** **4** **5** **6** **7**

**1 Product**

LED-WPROT2

**2 Watts**

25WS 25w / 3,600lm

**3 Color**

TRI 3CCT Selectable:  
50/40/30K  
(Only Available for:  
25WS and 60WD  
fixtures)

**4 Finish**

BZ Bronze

**5 Accessories**

(Blank) None

**6 Emergency**

(Blank) None  
EMB Emergency  
Backup

**7 Warranty**

(Blank) 5 Year (incl.)

Specs and model numbers are subject to change with or without notice.

**EnVision LED Lighting, Inc.**

4845 S. Eastern Ave | Bell, CA 90201 | Tel.: 323-604-0066 | www.envisionledlighting.com





Client: Dicks Sporting Goods

Fixture Manufacturer: ENVISION

Lamp Manufacturer: N/A

Cat#: LED-WPR0T2-25WS-TRI-BZ

Cat#: N/A

Capitol Light is not responsible for inaccuracies in manufacturers published specifications

Type

E1

### Reliable Chips

EnVision LEDs chips achieve over 130lm/w for increased energy efficiency



### Bronze Finish

Powder coated frame with bronze anti-corrosion primer



3 CCT Selection



Optional Photocell  
Dusk to Dawn



360° Rotation

### 1/2" Knockouts

On sides and bottom of the fixture

### Easy Installation

Screws secure the mounting plate into the wall

## MEASUREMENTS





Client: Dicks Sporting Goods

Fixture Manufacturer: DUAL-LITE

Lamp Manufacturer: N/A

Cat#: PGP-HTR

Cat#: N/A

Capitol Light is not responsible for inaccuracies in manufacturers published specifications

Type

R3



## FEATURES

### Application

The PG is an indoor/outdoor, die-cast architectural emergency unit. It is a wet location listed, emergency luminaire with high-output LED technology that provides path of egress illumination for mounting over entrance/exit ways and perimeter walkways. Spectron® self-testing/self-diagnostic electronics are included standard. A battery heater for cold temperature operation is available as an option.

### Construction

Housing and mounting plate are constructed of 0.125" die-cast aluminum and 0.125" closed-cell, medium density, neoprene gasket. The acrylic lens allows 92% light transmission. The reflector is electro-polished aluminum with 95% reflectance. Housing finish is powder coated electro-deposition paint available in four colors: dark bronze, white, platinum silver and black.

### Installation

Universal housing knockouts for mounting to standard 3 1/2" and 4" octagon and 4" square electrical boxes. A 1/2" - 1/4 NPT threaded conduit opening is provided at the top of the housing and sealed with a closure plug. The back plate mounts to the wall surface using installer supplied hardware. The housing "snaps" to the back plate by a "pin and socket" arrangement, and is secured with two Fillister head screws. AC Lockout feature prevents battery discharge prior to initial unit power-up saving installation time.

### Lamps

Four high-output, long life LED lamps arranged in redundant pairs.

### Compliances

UL 924 Listed (emergency models only)  
UL Wet Location Listed  
NFPA 101 Life Safety Code  
NFPA 70 National Electrical Code  
OSHA  
U.S. Patent No. D627916.

### Warranty

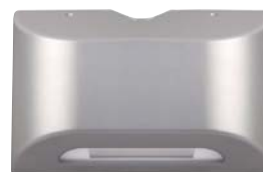
Three-years full for unit, electronics and battery.

## PG Indoor/Outdoor Emergency Lighting Unit

Catalog Number

Comments

Type



Platinum Silver

## ORDERING GUIDE

**PG**

Series

**P**

Finish

**P** Platinum Silver**-****HTR**

Options

**HTR** Battery Heater

Hubbell Lighting, Inc.



Client: Dicks Sporting Goods

Fixture Manufacturer: DUAL-LITE

Lamp Manufacturer: N/A

Cat#: PGP-HTR

Cat#: N/A

Capitol Light is not responsible for inaccuracies in manufacturers published specifications

Type

R3



**PG**

## Indoor/Outdoor Emergency Lighting Unit

### SPECIFICATIONS

#### Electronics

Upon failure of the normal utility power, a solid-state transfer switch automatically activates the emergency lamp. Upon resumption of the normal utility power, the battery is disconnected from the load and recharged through a solid-state charging unit. A low voltage battery disconnect feature protects the battery from severe damage during prolonged power failures. Spectron® self-testing/self-diagnostic circuitry provides automatic system testing on a monthly and semi-annual basis. Manual testing is available at any time using the push-to-test button: push once for a 60-second system test; push twice for a 90-minute system test.

Number of Lamps: Four high output LEDs

Lamp Configuration: Two sets of 2 LEDs provide illumination. In the unlikely event that any single LED should fail the remaining LEDs will continue to function.

Lamp Type: Solid state high output LEDs

Lamp Color: Cool White, 6350K

Total Lamp Output: 405 Lumens

Input: 120/277VAC, 60 Hz

Battery Charger: Temperature compensating, constant current

Transfer: Solid state

Functional Circuitry: AC lockout, transformer isolation, transient surge protection, low voltage battery disconnect, brownout detection, time delay retransfer

Battery Recharge Cycle: per UL time standards

Test Means: Integral test switch

Battery: Sealed, maintenance-free Nickel-Cadmium

Operating Temperature Range for Models without Heater:

0°C to 50°C (32°F to 122°F)

Operating Temperature Range for Models with Heater:

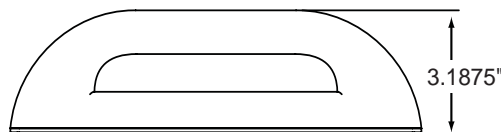
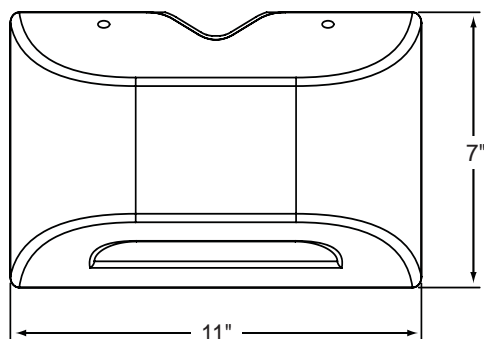
-30°C to 50°C (-22°F to 122°F)

#### Power Consumption

Models Without Heater		Models With Heater	
120VAC	2.78 watts	120VAC	15.2 watts
277VAC	2.88 watts	277VAC	15.7 watts

Power factor, average: 0.8 (lagging)

### DIMENSIONS



### ILLUMINATION PATTERN

#### SINGLE UNIT COVERAGE

Mounting Height: 9'

Outdoor Reflectance: 0/30/10

Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average (W x D)	33' X 10'	27' X 10'
1 FC Minimum (W x D)	10' X 10'	9' X 10'

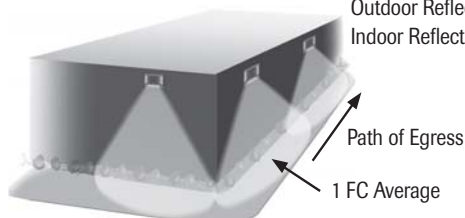
#### MULTIPLE UNIT SPACING

Mounting Height: 9'

Illuminated Path Depth: 6'

Outdoor Reflectance: 30/10

Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average	44'	33'
1 FC Minimum	16'	15'

Dual-Lite • [www.dual-lite.com](http://www.dual-lite.com)

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Hubbell Lighting, Inc.

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