#2025-185
6000 Dvorak Drive, Prairie Ridge High School – Special Use Permit Amendment with Variations Project Review for Planning and Zoning Commission

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Meeting Date:	December 17, 2025
Request:	Special Use Permit Amendment to allow changes to the sports field facilities including Variations for: 1) 20-foot-high bleachers, instead of the maximum 15 feet for accessory structures; 2) light poles up to 82 feet in height, instead of the maximum 50 feet; and, 3) grass overflow parking, instead of the required paved surface.
Location:	6000 Dvorak Drive (Prairie Ridge High School)
Acreage:	Approximately 140 acres
Existing Zoning:	E Estate
Surrounding Properties:	North: E-1 Estate (County) South: E-1 Estate (County) & A-1 Agriculture (County) East: E-1 Estate (County) West: E-1 Estate (County) & A-1 Agriculture (County)
Staff Contact:	Darrell Moore (815.356.3612)

Background:

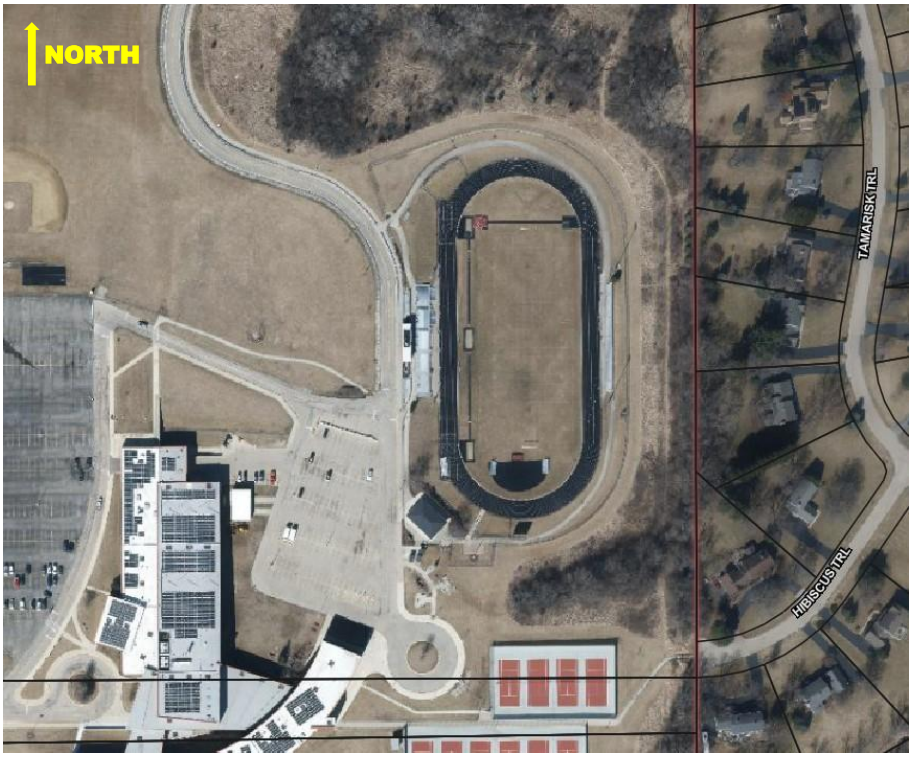
- The property is the location of Prairie Ridge High School. It was annexed prior to its construction in 1997.
- The property is almost entirely surrounded by residential- and agricultural-zoned properties in unincorporated McHenry County.
- The fence enclosing the sports field is currently about 110 feet from the nearest residential properties to the east.

Development Analysis:

General

- Request: Special Use Permit Amendment to allow changes to the sports field facilities including Variations for: 1) 20-foot-high bleachers, instead of the maximum 15 feet for accessory structures; 2) light poles up to 82 feet in height, instead of the maximum 50 feet; and, 3) grass overflow parking, instead of the required paved surface.
- Zoning: The site is zoned E, Estate. Secondary Schools are allowed as a Special Use.
- Land Use: The land use map shows the area as Public & Semi-Public.

- Previous Approvals:
    - In 1997, the property was annexed and a Special Use Permit granted for the construction of the high school.



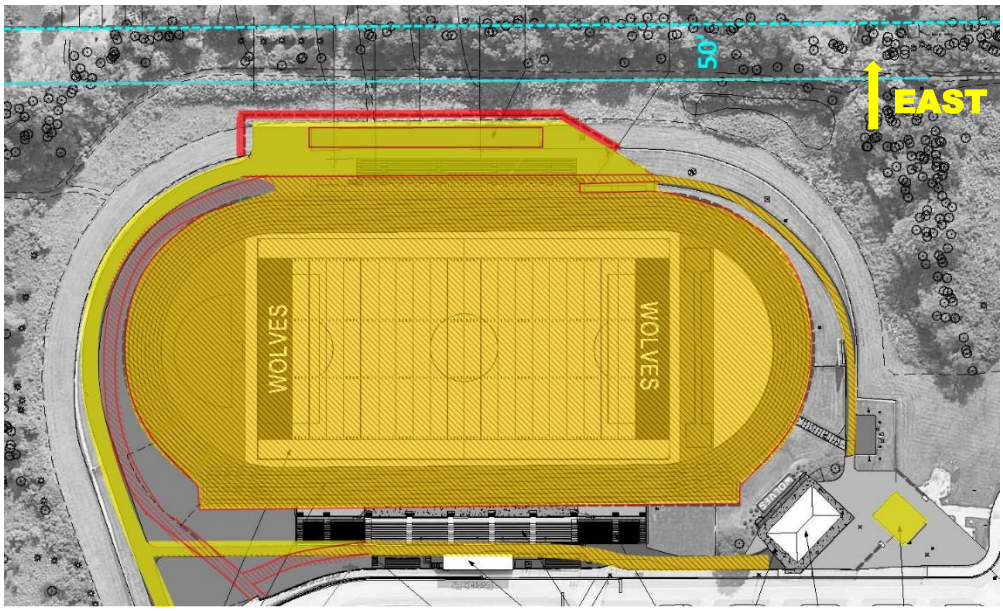
Project Details:
The purpose of the request is to allow for alterations to the main sports field. The scope of work includes:

- Resurfacing
    - Replacing the grass field with artificial turf
    - Replacing the track and the asphalt pavement paths
- Expanding facilities east and regrading
    - Relocating long jump/triple jump facilities and fencing
    - Replacing and enlarging visitor bleachers
    - Adding sports storage building under visitor bleachers
- Widening home bleachers
- Adding new ticket booth/booster building
- Relocating and raising light poles and replacing light fixtures

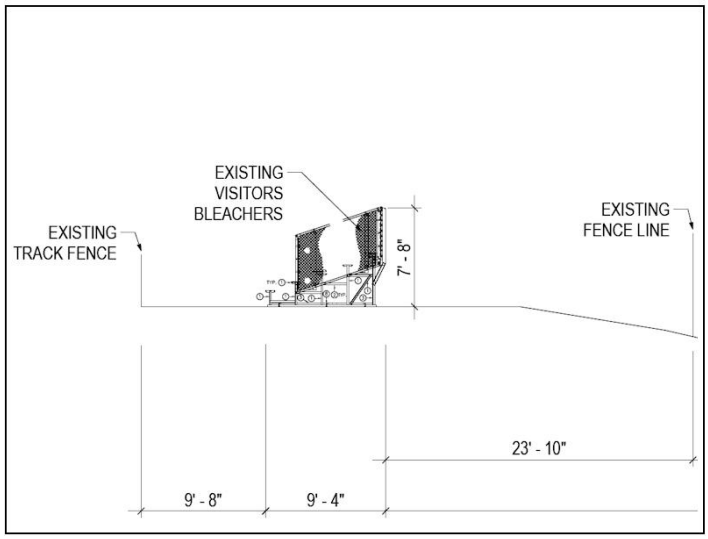
The elements of the project that will require variations are:

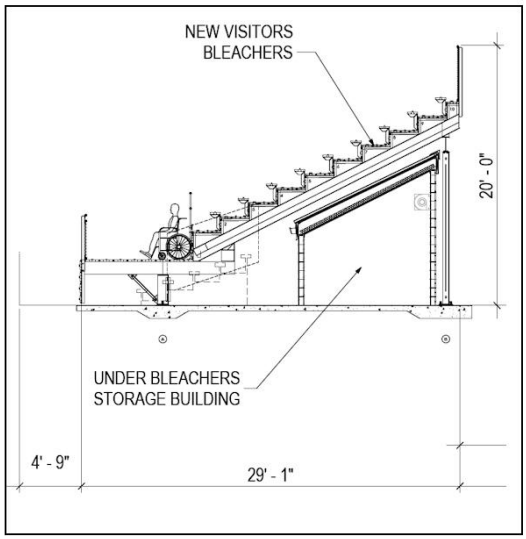
- A height variation to allow the new 20-foot visitor bleachers, instead of the maximum allowed 15 feet for accessory structures. (Current bleachers are 7'-8")
- Lighting variation to allow pole-mounted lights to be 82 feet high, instead of the maximum allowed 50 feet. (Current lights are 70 feet high)
- A parking variation to allow grass overflow parking for 257 spaces, instead of the required paved surface.

This project appears to represent the first major improvements to the Prairie Ridge High School football and track fields since they were constructed almost 30 years ago. It will involve converting the field to artificial turf and resurfacing the track and surrounding areas. A final engineering stormwater review has been completed and provided to the applicant. The City Engineer believes that the applicant will be able to address the review comments.

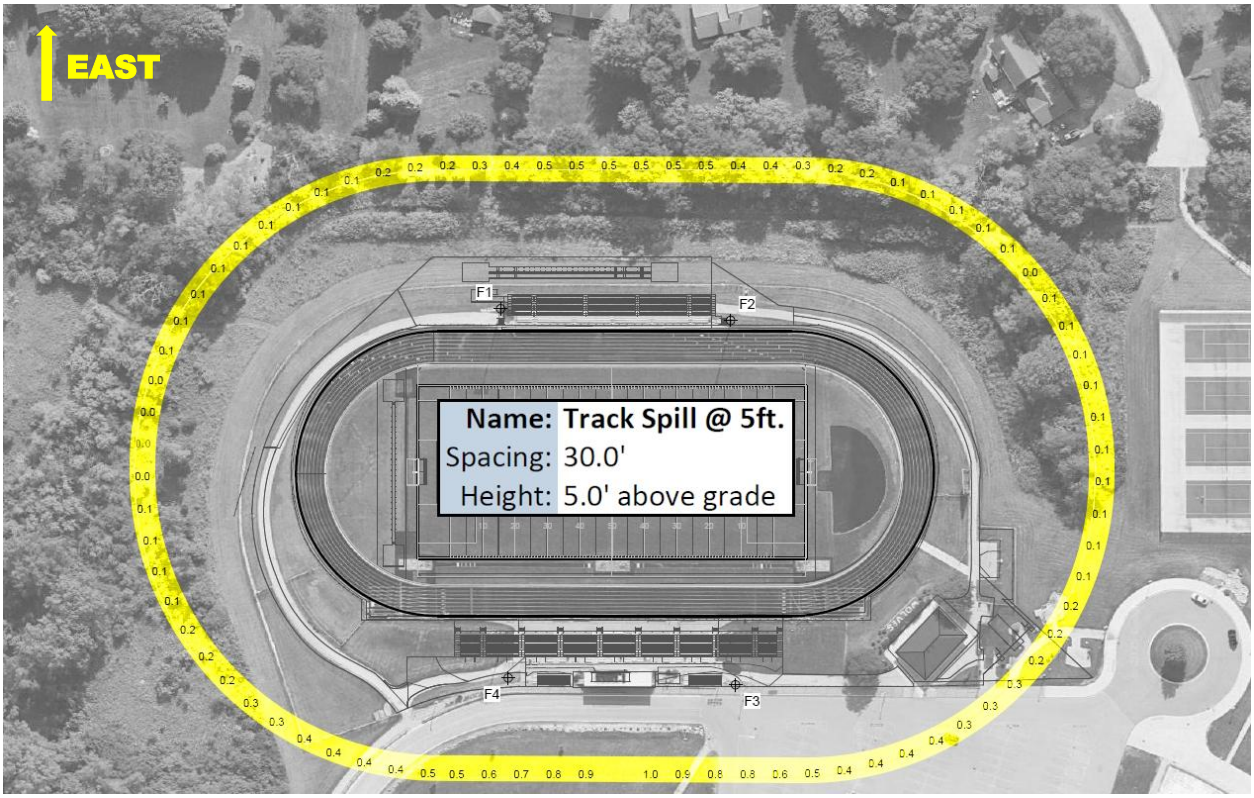


Portions of the proposed improvements will expand east toward the nearest adjoining properties. The visitor bleachers will be extended in that direction and raised to 20 feet (requiring a height variation), and an equipment building will be tucked underneath. The long jump/triple jump area will be relocated to the east of the bleachers. The eastern fence line will be rerouted to enclose this eastward expansion. It will be moved east about 30 feet, but still be more than 80 feet from adjoining properties. While the existing field lights on the east side of the field are being replaced, they will remain in their current locations and at their current heights. The long jump area will not be lit.





On the west side of the field the bleachers will be widened to the north and south. To make room for this, the light poles are proposed to be relocated behind the bleachers and raised in height from 70 feet to 82 feet (requiring a variation). A photometric plan was provided by the applicant showing the light anticipated in the rear yards of the adjoining properties to the east is 0.5 (initial max vertical) foot-candles. The applicant has agreed to adjust the lighting to comply with the UDO maximum of 0.3 foot-candles.



Under this proposal, bleacher seating would increase from 1,546 seats to 2,777 seats. The applicant asserts that this will not increase attendance to sporting events because the added seating is intended to accommodate the attendees that currently stand for games. Nonetheless, the applicant has calculated that additional seating would require an additional 237 spaces, and identified an area for overflow parking that is designed for 257 vehicles. The applicant is proposing not to pave this area and let it remain as grass (requiring a variation).



Comprehensive Land Use Plan 2030 Vision Summary Review:

The Comprehensive Plan designates the subject property as Public & Semi-Public, which is consistent with the current use of the property as a high school campus. The following goals are applicable to this request:

> **Goal:** Provide area for high quality public and semi-public facilities, such as schools, libraries, municipal facilities and private service providers, throughout the City to support the diverse and evolving needs of the people in the City.

Supporting Action: Carefully plan for a reasonable rate of growth that promotes a maximum use of existing facilities and minimizes the need for new facilities.

Success Indicator: Public and Semi-public uses should look to expand within their existing facilities.

Findings of Fact:

SPECIAL USE PERMIT AMENDMENT

Section 2-400 B General Standards for all special uses in the Unified Ordinance establishes standards for all special uses in Crystal Lake. Briefly, the criteria are as follows:

1. The use is necessary or desirable, at the proposed location, to provide a service or facility which will further the public convenience and general welfare.
   ☐ *Meets* ☐ *Does not meet*

2. The use will not be detrimental to area property values.
   ☐ *Meets* ☐ *Does not meet*

3. The use will comply with the zoning districts regulations.
   ☐ *Meets* ☐ *Does not meet*

4. The use will not negatively impact traffic circulation.
   ☐ *Meets* ☐ *Does not meet*

5. The use will not negatively impact public utilities or municipal service delivery systems. If required, the use will contribute financially to the upgrading of public utilities and municipal service delivery systems.
   ☐ *Meets* ☐ *Does not meet*

6. The use will not negatively impact the environment or be unsightly.
   ☐ *Meets* ☐ *Does not meet*

7. The use, where possible will preserve existing mature vegetation, and provide landscaping and architecture, which is aesthetically pleasing, compatible or complementary to surrounding properties and acceptable by community standards.
   ☐ *Meets* ☐ *Does not meet*

8. The use will meet requirements of all regulating governmental agencies.
   ☐ *Meets* ☐ *Does not meet*

9. The use will conform to any conditions approved as part of the issued Special Use Permit.
   ☐ *Meets* ☐ *Does not meet*

10. The use will conform to the regulations established for specific special uses, where applicable.
    ☐ *Meets* ☐ *Does not meet*

ZONING ORDINANCE VARIATION

The petitioner is requesting Variations to allow: 1) 20-foot-high bleachers, instead of the maximum 15 feet for accessory structures; 2) 82-foot-high light poles, instead of the maximum 50 feet; and, 3) grass overflow parking, instead of the required paved surface. The Unified Development Ordinance lists specific standards for the review and approval of a variation. The granting of a variation rests upon the applicant proving practical difficulty or hardship caused by the Ordinance requirements as they relate to the property. To be considered a zoning hardship, the specific zoning requirements; setbacks, lot width and lot area must create a unique situation on this property. It is the responsibility of the petitioner to prove hardship at the Planning and Zoning Commission public hearing.

Standards

When evidence in a specific case shows conclusively that literal enforcement of any provision of this Ordinance would result in a practical difficulty or particular hardship because:

a. The plight of the property owner is due to unique circumstances, such as, unusual surroundings or conditions of the property involved, or by reason of exceptional narrowness, shallowness or shape of a zoning lot, or because of unique topography, or underground conditions.

☐ *Meets* ☐ *Does not meet*

b. Also, that the variation, if granted, will not alter the essential character of the locality.

☐ *Meets* ☐ *Does not meet*

For the purposes of supplementing the above standards, the Commission may take into consideration the extent to which the following facts favorable to the application have been established by the evidence presented at the public hearing:

a. That the conditions upon which the application for variation is based would not be applicable generally to other property within the same zoning classification;

☐ *Meets* ☐ *Does not meet*

b. That the alleged difficulty or hardship has not been created by any person presently having interest in the property;

☐ *Meets* ☐ *Does not meet*

c. That the granting of the variation will not be detrimental to the public welfare or injurious to other property or improvements in the neighborhood in which the property is located; or

☐ *Meets* ☐ *Does not meet*

d. That the proposed variation will not impair an adequate supply of light or air to adjacent property, will not unreasonably diminish or impair the property values of adjacent property, will not unreasonably increase congestion in the public streets, substantially increase the danger of fire or otherwise endanger public safety.

☐ *Meets* ☐ *Does not meet*

Where the evidence is not found to justify such conditions, that fact shall be reported to the City Council with a recommendation that the variation be denied.

Recommended Conditions:

If a motion to recommend approval of the petitioner's request is made, it should be with the following conditions:

1. Project plans shall be consistent with the information and testimony provided by the petitioner in the hearing and the following provided documents:
   A. Application (D155, received 11/25/25)
   B. Architectural Plans (FGM Architects, 8/11/25—8/22/25)
   C. Structural Engineering Plans (Sadler Group/Southern Bleacher Co., 9/16/25)
   D. Parking Plan (Eriksson Engineering, 5/7/25)
   E. Stormwater Management Report (Eriksson Engineering, 10/28/25)
   F. Civil Engineering Plans (Eriksson Engineering, 10/28/25)
   G. Lighting Plan (Musco, 5/7/25)

2. Any incidental lighting not shown on the provided plans shall be shielded and positioned such that the light source is not visible off the property.

3. The petitioner shall address all of the review comments and requirements of the Engineering and Public Works Department, the Community Development Department, and the Fire Department.

PARCEL IN QUESTION



City of Crystal Lake
Development Application

Office Use Only
File # 2025-185

Project Title: Prairie Ridge High School Stadium Renovation

Action Requested

__	**Annexation**	__	**Preliminary PUD**
__	**Comprehensive Plan Amendment**	__	**Preliminary Plat of Subdivision**
__	**Conceptual PUD Review**	__	**Rezoning**
__	**Final PUD**	X	**Special Use Permit**
__	**Final PUD Amendment**	X	**Variation**
__	**Final Plat of Subdivision**	__	**Other**

Petitioner Information

Name: Abraham Mora

Address: 550 W Van Buren St, Suite 1420
Chicago, IL 60607

Phone: 630-576-1078

Fax:

E-mail: abemora@fgmarchitects.com

Owner Information (if different)

Name:

Address:

Phone:

Fax:

E-mail:

Property Information

Project Description: New field turf, bleachers, field lighting, ticket booth building, sports storage building, and associated paving. A variation of the special use permit is being sought for the height of the proposed bleachers and field lighting, as well as, for the number of parking spaces being provided.

Project Address/Location: 6000 Dvorak Road, Crystal Lake, IL 60012

PIN Number(s): 14-21-300-007, 14-28-100-013, 14-28-100-014, 14-29-226-005, and 14-29-226-006

Development Team

Please include address, phone, fax and e-mail

Developer: _____

Architect: FGM Architects, 550 W Van Buren St, Suite 1420, Chicago, IL 60607, P: 630-576-1078, E: abemora@fgmarchitects.com

Attorney: _____

Engineer: Eriksson Engineering Associates, 145 Commerce Dr, Suite A, Grayslake, IL 60030, P. 847-250-2601, pdimmer@eea-ltd.com

Landscape Architect: _____

Planner: _____

Surveyor: _____

Other: _____

Signatures

Abraham Mora 11/24/2025

PETITIONER: Print and Sign name (*if different from owner*) **Date**

As owner of the property in question, I hereby authorize the seeking of the above requested action.

Troy Stinger 11/25/2025

OWNER: Print and Sign name **Date**

NOTE: If the property is held in trust, the trust officer must sign this petition as owner. In addition, the trust officer must provide a letter that names all beneficiaries of the trust.

Northwest Herald

NORTHWEST HERALD

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variation

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213731298

Notice URL:

Back

Notice Publish Date:
Wednesday, November 26, 2025

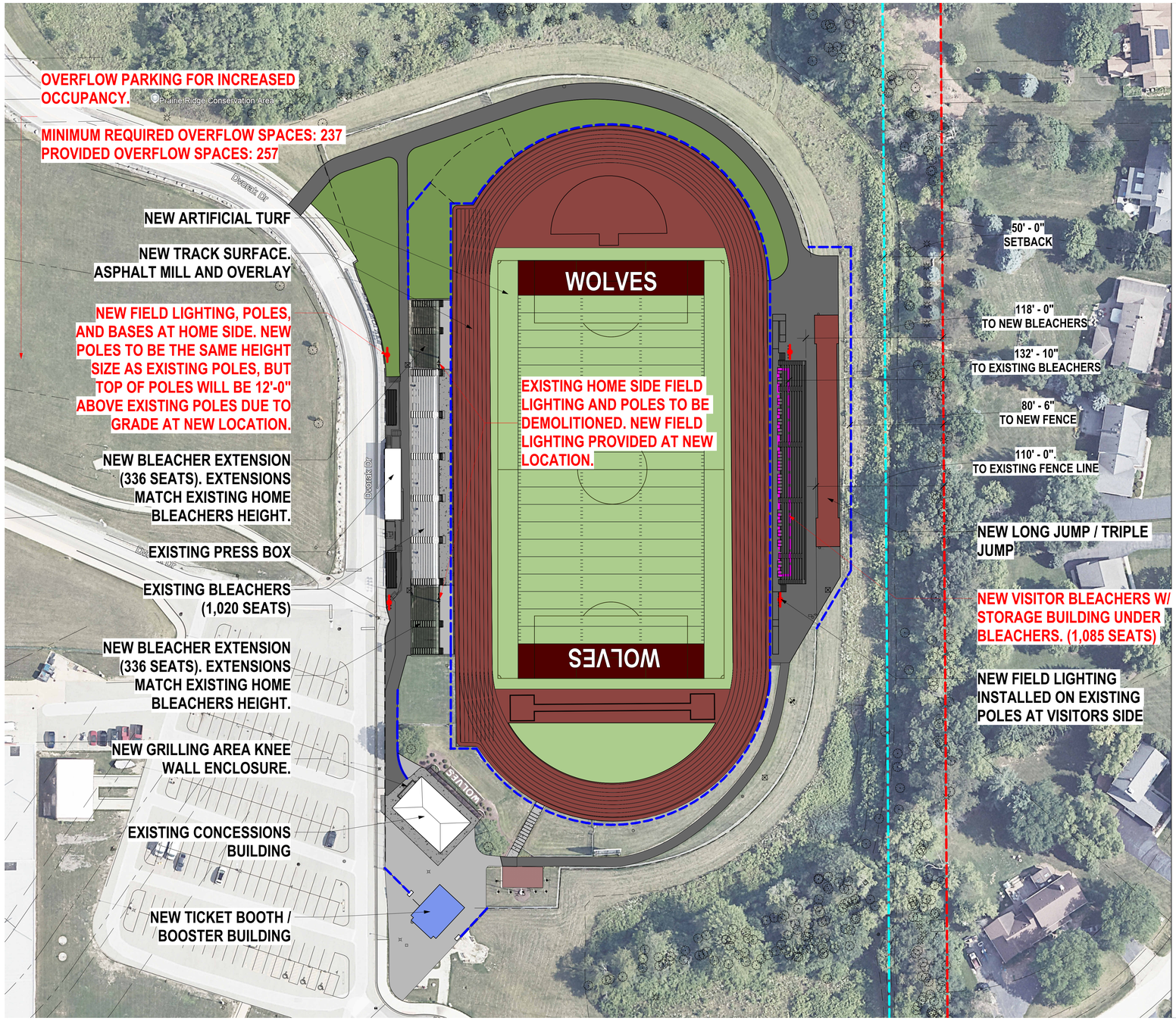
Notice Content

PUBLIC NOTICE BEFORE THE PLANNING AND ZONING COMMISSION OF THE CITY OF CRYSTAL LAKE, MCHENRY COUNTY, ILLINOIS IN THE MATTER OF THE PETITION OF COMMUNITY HIGH SCHOOL DISTRICT 155. LEGAL NOTICE Notice is hereby given in compliance with the Unified Development Ordinance of the City of Crystal Lake, Illinois that a public hearing will be held before the Planning and Zoning Commission upon the application by Community High School District 155, owner, for a Special Use Permit Amendment for the property at the 6000 Dvorak Road, Crystal Lake, Illinois, 60012. PINs: 14-21-300-007, 14-28-100-013, 14-28-100-014, 14-29-226-005, and 14-29-226-006. This application is filed for the purpose of seeking a Special Use Permit Amendment to make improvements to the Prairie-Ridge High School outdoor sports field and related facilities, including Variations for the heights of proposed bleachers and light poles and a Variation to the number of improved parking spaces to be provided, as well as any other Variations necessary to approve the request to allow the proposed improvements, pursuant to Articles 2, 3, 4, and 9 of the Unified Development Ordinance. Plans for this project can be viewed at the City of Crystal Lake Planning and Economic Development Department at City Hall. A public hearing before the Planning and Zoning Commission for this request will be held at 7:00 p.m. on Wednesday, December 17, 2025, at the Crystal Lake City Hall, 100 West Woodstock Street, at which time and place any person determining to be heard may be present. Jeff Greenman, Chairperson Planning and Zoning Commission, City of Crystal Lake (Northwest Herald Nov. 26, 2025) 2290043

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2026 CAPITAL IMPROVEMENTS PRAIRIE RIDGE HIGH SCHOOL STADIUM RENOVATION

6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012



LEGEND

- GRASS
- NEW ARTIFICIAL TURF
- NEW ASPHALT
- NEW CONCRETE
- NEW TRACK SURFACE, ASPHALT MILL AND OVERLAY W/ PERIMETER CHAINLINK FENCING
- NEW SUPPORT BUILDING
- NEW CHAINLINK FENCING
- REPLACE EXISTING FIELD LIGHTING & POLES

PARKING REQUIREMENTS:

PREVIOUS OCCUPANCY: 1,546

PREVIOUS PARKING SPACES REQUIRED: 515

NEW STADIUM OCCUPANCY: 2,777

REQUIREMENT:
1 PARKING SPACE FOR EVERY
3 STADIUM SEATS

TOTAL PARKING SPACES REQUIRED: 926

EXISTING PARKING SPACES: 689

MINIMUM REQUIRED OVERFLOW SPACES: 237

PROVIDED OVERFLOW SPACES: 257

1"=40'
0' 20' 40' 80' 160'

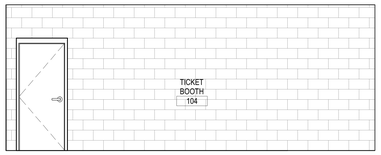
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PRAIRIE RIDGE H.S. STADIUM

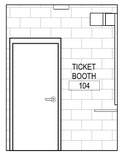
CHSD 155 - PRAIRIE RIDGE HS
Job No. 25-4361.01

Published 09/17/2025
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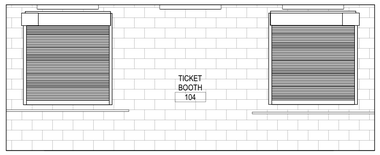
fgma
FGMARCHITECTS



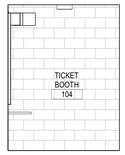
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1/4" = 1'-0"



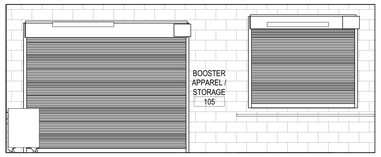
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1/4" = 1'-0"



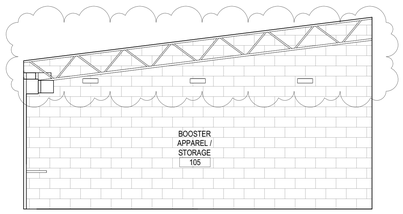
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1/4" = 1'-0"



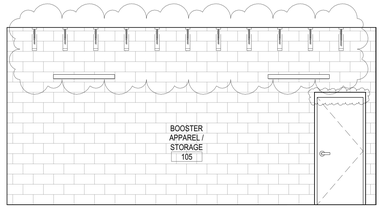
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1/4" = 1'-0"



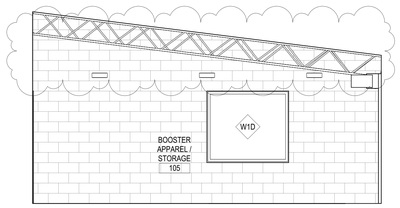
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1/4" = 1'-0"



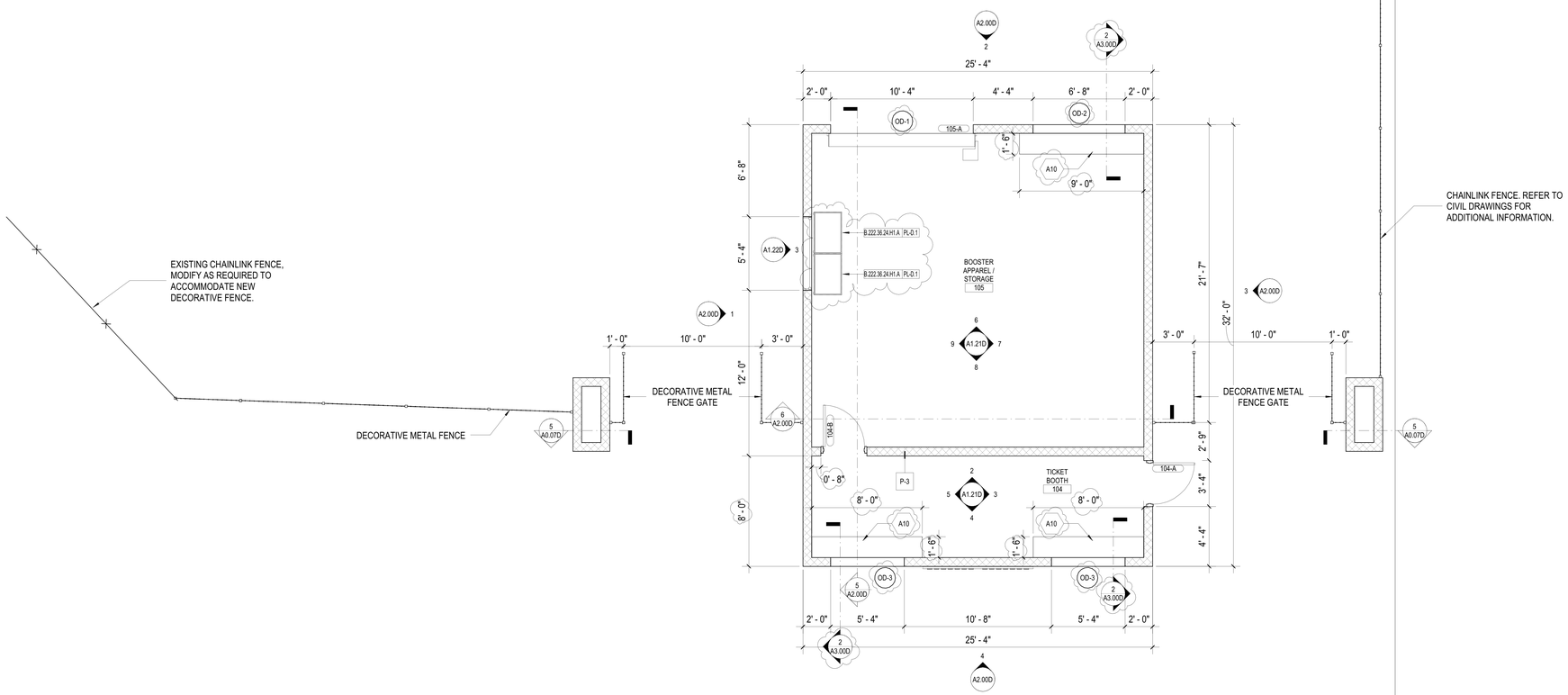
7 INT. ELEV. - BOOSTER APPAREL / STORAGE - S/E
1/4" = 1'-0"



8 INT. ELEV. - BOOSTER APPAREL / STORAGE - S/W
1/4" = 1'-0"



9 INT. ELEV. - BOOSTER APPAREL / STORAGE - N/W
1/4" = 1'-0"



1 FLOOR PLAN - TICKET / BOOSTER BUILDING
1/4" = 1'-0"

GENERAL FLOOR PLAN NOTES

1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
2. REFER TO PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
3. WALL AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL.
4. DIMENSIONS FOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A1 SERIES DRAWINGS.
5. UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE LAID OUT RADIALLY, ARE DIMENSIONED BY RADIAN (DEGREES) FROM THE NEAREST GRID LINES.
6. UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE SHOWN TO BE ON A GRID LINE OR IMMEDIATELY NEXT TO A GRID LINE SHALL BE LOCATED PARALLEL WITH THE GRID LINE WITH THE FACE OF THE WALL 1" AWAY FROM THE LEG OF THE STEEL JOIST. (SEE A1 SERIES)
7. UNLESS OTHERWISE NOTED, WALL AND PARTITIONS WHICH ARE LAID OUT CONCENTRICALLY ARE DIMENSIONED FROM THE NEAREST GRID AND SHALL BE LAID OUT ALONG THE ESTABLISHED RADIUS.
8. WALLS AND PARTITIONS WHICH ARE NOT INTENDED TO BE LAID OUT ON A RADIUS, ARE SHOWN TO BE PERPENDICULAR (--) OR AT SOME ANGLE) --) TO THE ADJOINING WALLS OR PERPEDICULAR TO A GRID LINE (--).
9. DIMENSIONS ALONG CURVED LINES ARE ACTUAL CURVED DIMENSIONED ARC LENGTHS.
10. PROVIDE HORIZONTAL JOINT REINFORCING AT ALL MASONRY PARTITIONS. PROVIDE JOINT REINFORCING @ EACH SECOND COURSE AND ONE COURSE BELOW AND ABOVE OPENINGS UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCING.
11. ALL PARTITION FRAMING AND FINISH SHALL EXTEND TO FLOOR OR ROOF STRUCTURE ABOVE AND SHALL BE TAPED AND FINISHED, UNLESS NOTED OTHERWISE. REFER TO PARTITION SPECIAL CONDITIONS NOTES FOR ADDITIONAL CONDITIONS.
12. PROVIDE 3" SOUND ATTENUATING INSULATION AT ALL STUD WALL PARTITIONS, UNLESS NOTED OTHERWISE.
13. FOR LOCATION AND RATINGS OF FIRE RESISTIVE PARTITIONS AND CEILINGS, SEE G-SERIES CODE COMPLIANCE PLANS, IN ADDITION TO INFORMATION GIVEN ON INDIVIDUAL PARTITION TYPES.
14. PROVIDE IMPACT RESISTANT GYPSUM BOARD PANELS WHERE SCHEDULED UP TO 6" ABOVE CEILINGS.
15. PROVIDE DOUBLE STUDS AT ALL JAMBS AND EXTEND TO STRUCTURE ABOVE AND TIE TOGETHER.
16. PROVIDE CMU BULLNOSE SHAPE AT ALL EXPOSED CORNERS WHICH ARE NOT COVERED BY ANOTHER MATERIAL OR FINISH.
17. PROVIDE CEMENT BACKING BOARD AT ALL WALL TILE LOCATIONS, UNLESS NOTED OTHERWISE.
18. FOR EXTERIOR WALL ASSEMBLY TYPES AND MATERIALS, SEE EXTERIOR ELEVATIONS AND WALL SECTIONS ON A3 SERIES.
19. FOR CASEWORK TYPES AND MATERIALS, SEE A1 SERIES.
20. FOR ADDITIONAL EQUIPMENT NOT SHOWN OR NOTATED ON THIS SHEET, SEE ENLARGED PLANS ON AND REFLECTED CEILING PLANS ON A1 SERIES.
21. SEE G-SERIES SHEETS FOR EQUIPMENT AND FIXTURE MOUNTING HEIGHTS.
22. FURNITURE AND EQUIPMENT SHOWN DOTTED IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES.
23. SEE SPECIFICATION SECTION 011000 - "SUMMARY" OR 011001 "GENERAL REQUIREMENTS FOR SMALL PROJECTS" FOR RESPONSIBILITY FOR WORK UNDER OTHER CONTRACTS AND FOR OWNER FURNISHED - CONTRACTOR INSTALLED WORK

FLOOR PLAN KEYED NOTES

TAG	DESCRIPTION
A1	PROVIDE CMU WALL INFILL TOOTHED-IN AT EXISTING OPENING. NEW CMU AND MORTAR TO MATCH EXISTING TYPE, SIZE, AND TEXTURE.
A2	PROVIDE NEW CONCRETE SLAB. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
A3	NEW WATER SERVICE, WATER HEATER, AND SERVICE SINK THIS AREA. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
A4	PATCH FLOOR WHERE EXISTING WALL WAS DEMOLISHED.
A5	NEW 4' TALL CMU KNEE WALL WITH CAPSTONE. REFER TO DETAIL FOR ADDITIONAL INFORMATION. PAINT TO MATCH EXISTING BUILDING.
A6	SLAB IN-FILL WHERE EXISTING FLOOR WAS DEMOLISHED. MATCH EXISTING.
A7	48" DECORATIVE METAL GATE.
A8	TEMPORARILY REMOVE SINK AND REINSTALL AFTER SLAB IN-FILL WORK IS COMPLETED.
A9	PROVIDE NEW CONCRETE FLOOR SLAB IN ENTIRE SPACE. NEW FLOOR SLAB PER STRUCTURAL REQUIREMENTS.
A10	PROVIDE SOLID SURFACE COUNTER DESK.

fgma
FGMARCHITECTS
FGM Architects
550 W Van Buren, Suite 1420
Chicago, Illinois 60607
312.948.8461 OFFICE
ILLINOIS PROFESSIONAL
DESIGN FIRM #184-000350

CIVIL
ERIKSSON ENGINEERING ASSOC.
145 COMMERCE DRIVE, SUITE A
GRAYSLAKE, IL 60030
847.223.4804 (O) 847.223.4864 (F)

STRUCTURAL
McCluskey Engineering Corporation
1887 HIGH GROVE LANE
NAPERVILLE, IL 60540
630.717.5335 (O) 630.717.5397 (F)

M.E.P.
CSZ DESIGN GROUP LLC
837 OAKTON STREET
ELK GROVE VILLAGE, IL 60007
847.981.1880 (O)

CONSTRUCTION MANAGER
PEPPER CONSTRUCTION COMPANY
411 LAKE ZURICH ROAD
BARRINGTON, IL 60010
847.381.2760 (O)

ISSUANCE		
NO	DATE	DESCRIPTION
	08/11/2025	ISSUED FOR BID
	08/22/2025	ADDENDUM No.2

2026 CAPITAL IMPROVEMENTS PRAIRIE RIDGE HIGH SCHOOL STADIUM RENOVATION

CHSD 155 - PRAIRIE RIDGE HS
6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012

ISSUED FOR BID

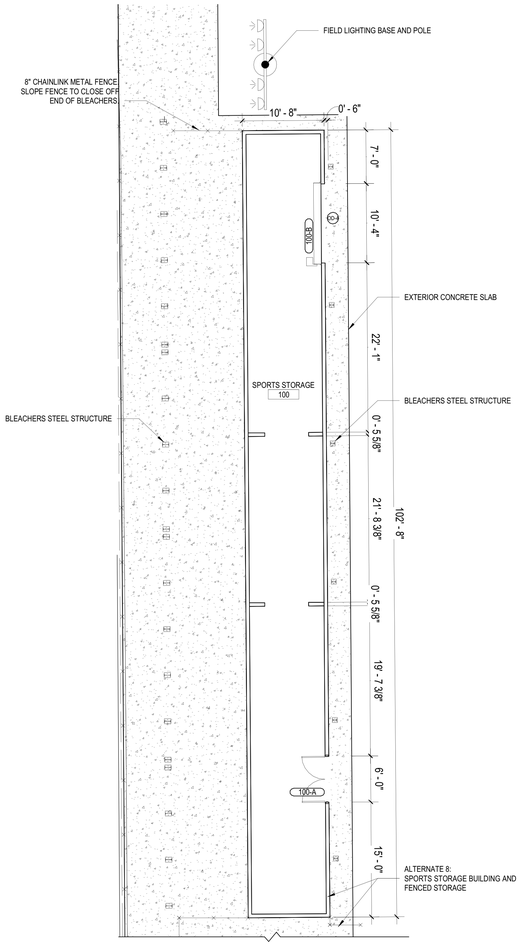
PRAIRIE RIDGE HIGH SCHOOL - FLOOR PLAN - INT. ELEVATIONS - TICKET / BOOSTER BUILDING

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A1.21D

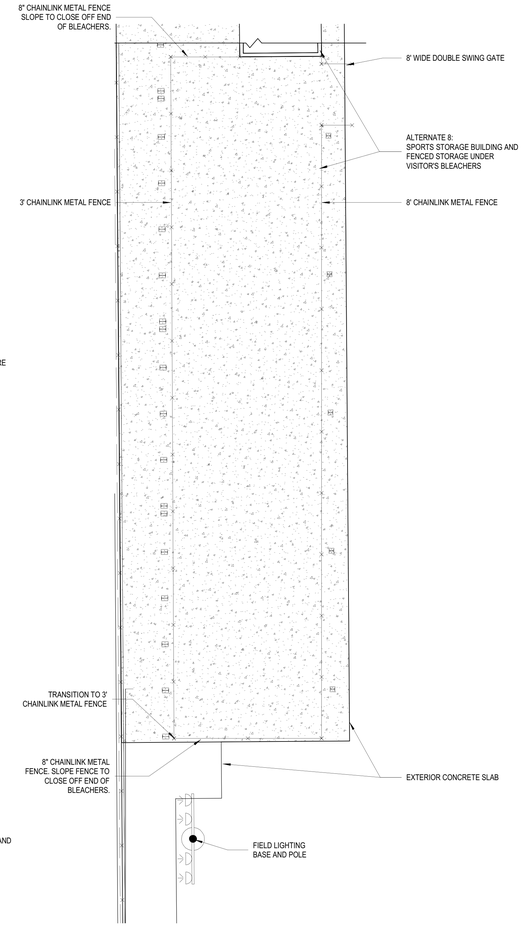
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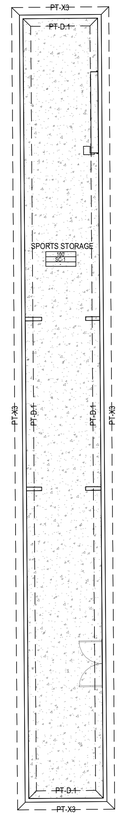
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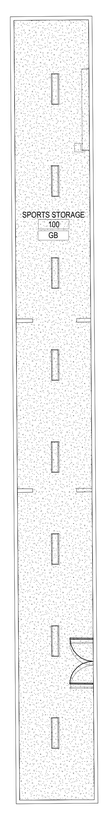
1 **PARTIAL FLOOR PLAN - SPORTS STORAGE**
1/8" = 1'-0"



2 **PARTIAL FLOOR PLAN - SPORTS STORAGE**
1/8" = 1'-0"



3 **PARTIAL FINISH PLAN - SPORTS STORAGE**
1/8" = 1'-0"



4 **PARTIAL RCP - SPORTS STORAGE**
1/8" = 1'-0"

N

CEILING TAG LEGEND

- CEILING TYPE - SEE LEGEND BELOW
- GB / PT-1 / 8'-0" — APPLIED FINISH (WHERE APPLICABLE) / CEILING HEIGHT AFF
- PT-2 / EXP — APPLIED FINISH TO EXPOSED STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC. / EXPOSED CEILING
- EXP — EXPOSED CEILING
  FOR TAGS WITH NO FINISH INDICATED, REFER TO GENERAL RCP NOTES FOR TYPICAL APPLIED FINISH TO STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC.
- [9'-0"] — EXISTING CEILING HEIGHT AFF / VERIFY IN FIELD

CEILING TYPES LEGEND

INDICATES TYPE PER TAG ON RCP

GB
SUSPENDED GYPSUM BOARD CEILING: 5/8" GYPSUM BOARD ON 7/8" MTL. FURRING AT 24" O.C. ON 1 1/2" CHANNELS W/ HANGERS AT 4'-0" O.C. MAX UNO. SEE DETAILS.

EXP
EXPOSED CEILING. PAINT ALL EXPOSED STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC. U.N.O.

CEILING FIXTURES LEGEND

- STRIP FIXTURE
- SUSPENDED STRIP FIXTURE
- RECESSED DOWNLIGHT
- AIR DIFFUSER
- RETURN AIR GRILLE
- ACCESS PANEL. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL REFLECTED CEILING PLAN NOTES

1. FOR FLOOR PLAN DIMENSIONS, SEE FLOOR PLANS.
2. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
3. ALL SOFFITS ETC. TO BE PAINTED PT-D.4 UNLESS NOTED OTHERWISE.
4. AT ALL EXPOSED AREAS, PAINT ALL STRUCTURE, INCLUDING, BUT NOT LIMITED TO, CONCRETE, METAL DECK, STEEL BEAMS, COLUMNS, PIPING, CONDUIT, DUCTWORK AND OTHER EQUIPMENT ETC PT-D.4. SEE FINISH PLANS FOR MORE INFORMATION.
5. DO NOT PAINT PRE-FINISHED ACOUSTICAL DECK.
6. START POINT FOR ACT CEILINGS TO BE CENTER OF ROOM UNLESS NOTED OTHERWISE.
7. REFLECTED CEILING PLANS AND MEP DRAWINGS ARE COMPLEMENTARY. GENERALLY SEE REFLECTED CEILING PLAN FOR LOCATION AND ARRANGEMENT OF FIXTURES AND DEVICES. SEE MEP DRAWINGS FOR MEP REQUIREMENTS. PROVIDE COORDINATED DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
8. SPRINKLER HEADS HAVE NOT BEEN SHOWN. COORDINATE SPRINKLER HEAD LOCATIONS WITH OTHER CEILING MOUNTED ITEMS. LOCATE SPRINKLER HEADS AS REQUIRED BY CODE TO PROVIDE SPECIFIED COVERAGE. LOCATE SPRINKLER HEADS WITHIN THE CENTERLINE OF TILES OR QUARTER POINTS UNLESS OTHERWISE APPROVED.
9. CONTRACTOR IS TO LOCATE MECHANICAL ITEMS AROUND LIGHTING LAYOUT AND IN THE APPROXIMATE LOCATION OF THE MECHANICAL DRAWINGS.
10. DO NOT ATTACH CEILING HANGERS TO ROOF DECKS. ATTACH CEILING HANGERS TO STRUCTURAL BEAMS AND JOISTS ONLY. ATTACH CEILING HANGERS TO FLOOR DECKS USING SPECIFIED INSERTS ONLY.
11. SUPPORT CONDUIT, BOXES AND OTHER EQUIPMENT WITH UNISTRUT HANGERS ATTACHED TO STRUCTURAL ELEMENTS.
12. PROVIDE NON-SAG TYPE GYPSUM BOARD PANELS AT CEILING OF ALL WET AREAS SUCH AS TOILET ROOMS AND LOCKER ROOMS, UNLESS NOTED OTHERWISE.
13. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SOFFIT HEIGHTS AND LOCATIONS.
14. COORDINATE LOCATION OF EXIT SIGNS WITH CODE COMPLIANCE PLANS AND ELECTRICAL DRAWINGS.
15. ROUTE ALL CONDUITS ON EXPOSED CEILINGS SQUARE TO BUILDING WALLS AND GROUP TOGETHER.
16. ALL PARTITION AND SOFFIT FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.
17. PROVIDE RADIUS FITTED CEILING TRACK ACCESSORY AT ALL BULLNOSED WALL CORNERS.

GENERAL ROOM FINISH NOTES

1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
2. FOR FINISH MATERIAL WHEN MORE THAN ONE MATERIAL OCCURS THE FINISH IS INDICATED THUS "/".
3. SEE INTERIOR ELEVATIONS, PARTITION TYPES, AND RCP'S FOR ADDITIONAL FINISH INFORMATION.
4. ALL WALLS TO BE PAINTED PT-D.1 UNLESS NOTED OTHERWISE.
5. EXTEND SCHEDULED PAINT ON WALLS UP TO 1'-0" ABOVE THE FINISHED CEILING. IN ROOMS NOT SCHEDULED TO RECEIVE A CEILING, EXTEND SCHEDULED PAINT UP THE ENTIRE HEIGHT OF THE PARTITION, UNLESS NOTED OTHERWISE.
6. EXCEPT FOR FACTORY FINISHED ITEMS, ALL EXPOSED MECHANICAL AND ELECTRICAL EQUIPMENT, LOUVERS, PIPING, CONDUITS, ETC. SHALL BE PAINTED UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS FOR PAINTING SYSTEMS.
7. ON WALLS WHICH ARE COVERED WITH MILLWORK, EXTEND TYPICAL WALL FINISHES BEHIND MILLWORK.
8. PAINT ALL STAIR RISERS, STRINGERS AND RAILS. PAINT EXPOSED UNDERSIDE OF STAIRS. ANY GAP BETWEEN STAIRS AND WALL SHALL BE FILLED AS REQUIRED TO BE CAULKED AND PAINTED PT-XX.
9. REFER TO PAINT SPEC FOR INFORMATION. PROVIDE FULL COVERAGE FOR ALL COLORS. DARKER COLORS SHALL RECEIVE FOUR (4) COATS.
10. PROVIDE LEVEL 4 DRYWALL FINISH AT ALL LOCATIONS SCHEDULED TO RECEIVE PAINT UNLESS NOTED OTHERWISE.
11. PROVIDE TRANSITION STRIP AT ALL LOCATIONS WHERE FLOORING MATERIAL HEIGHT CHANGES UNLESS NOTED OTHERWISE, AS REQUIRED. SEE FLOORING TRANSITION DETAILS.
12. PROVIDE 4" HIGH RESILIENT BASE THROUGHOUT INCLUDING AT CASEWORK, UNLESS OTHERWISE NOTED.
13. FLOORING TRANSITIONS THAT OCCUR UNDER A DOORWAY ARE TO BE CENTERED UNDER THE DOOR IN ITS CLOSED POSITION UNLESS NOTED OTHERWISE.
14. FLOORING LAYOUT TO START AT CENTERPOINT ON ROOM UNLESS NOTED OTHERWISE ON FLOOR FINISH PLAN.
15. SEE FINISH LEGEND FOR CARPET INSTALLATION METHOD.
16. ALL FLOOR FINISH TO EXTEND UNDER ALL CASEWORK UNLESS NOTED OTHERWISE.
17. FURNITURE CANNOT BE INSTALLED UNTIL SUBSTANSTIAL COMPLETION.

FINISH FLOOR TYPES LEGEND

- WALL FINISH LOCATIONS/EXTENTS
- OVERHEAD WALL FINISH LOCATIONS/EXTENTS. SEE REFLECTED CEILING PLANS AND/OR ELEVATIONS FOR MORE INFORMATION.
- PT-x — WALL PAINT

FINISH FLOOR TYPES LEGEND

- SEALED CONCRETE (SC-D.1)

GENERAL FLOOR HATCH NOTE: HATCH PATTERNS TO INDICATE LOCATION OF MATERIALS ONLY. HATCH PATTERNS MAY NOT INDICATE DIRECTION OF INSTALLATION OR INTENDED PATTERN. SEE MASTER INTERIOR MATERIALS AND FINISHES INFORMATION LEGEND G8.00 FOR ADDITIONAL INFORMATION.

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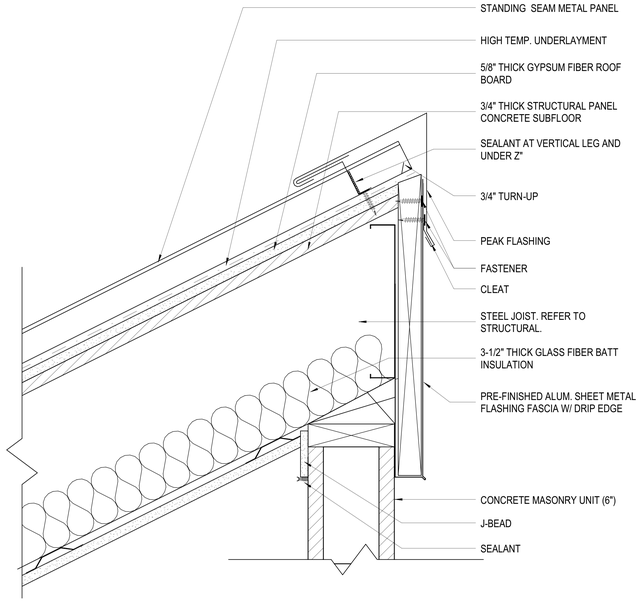
PRAIRIE RIDGE HIGH SCHOOL - SPORTS STORAGE - PARTIAL PLANS AND RCP

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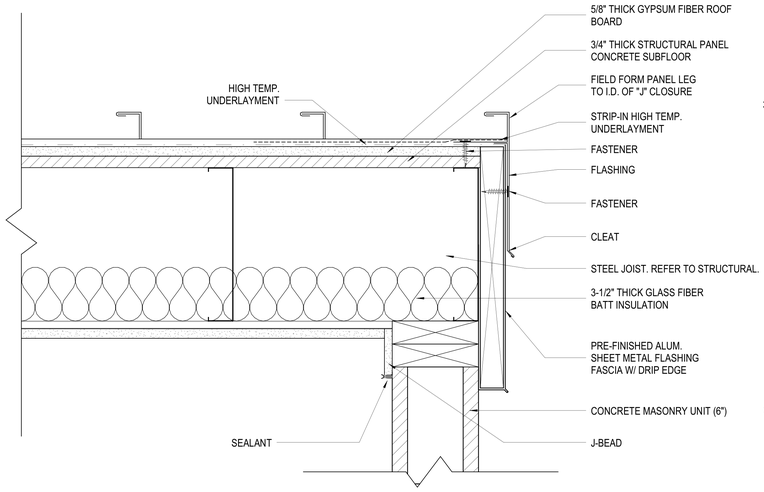
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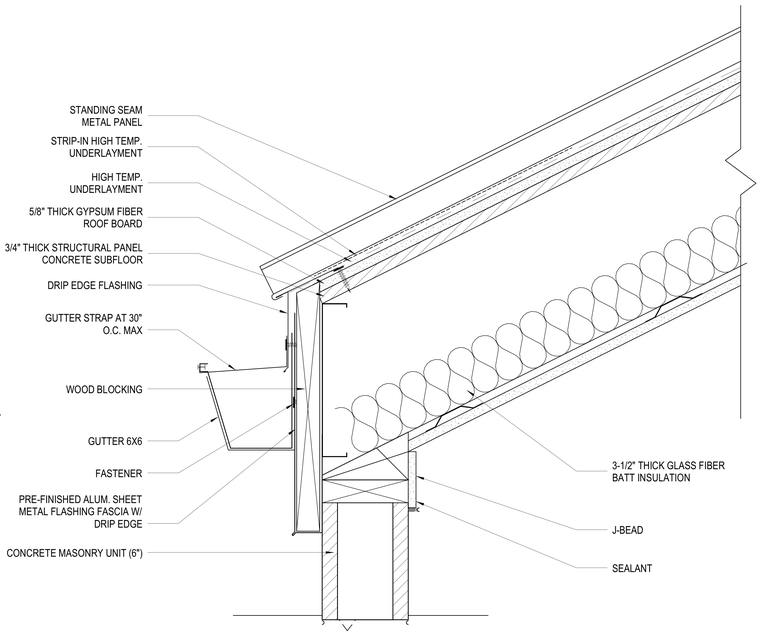
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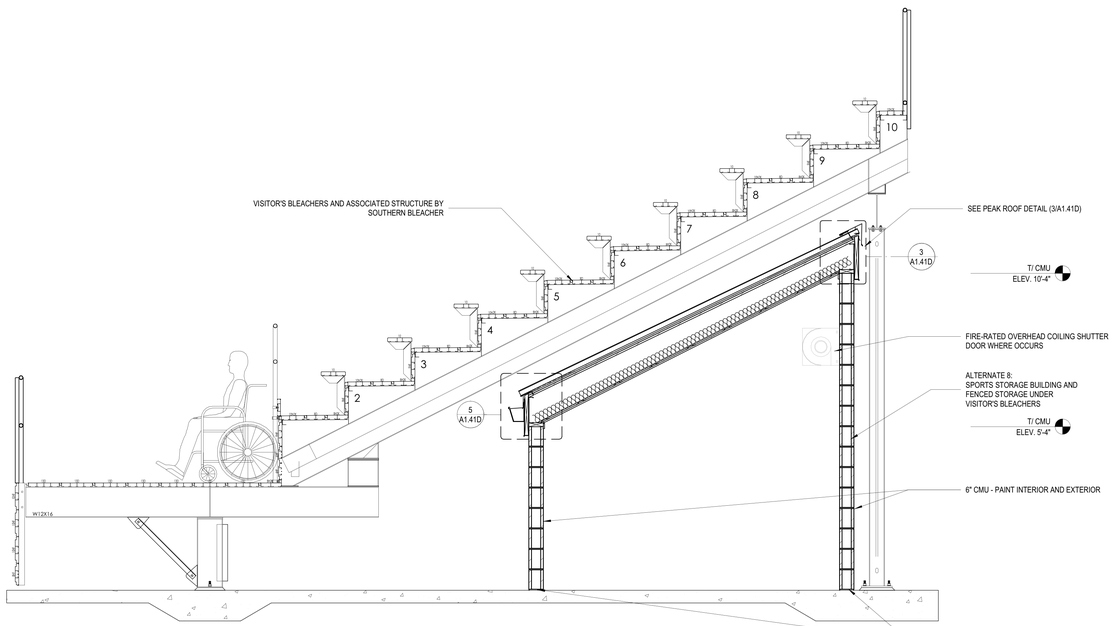
3 ROOF DETAIL - PEAK
3" = 1'-0"



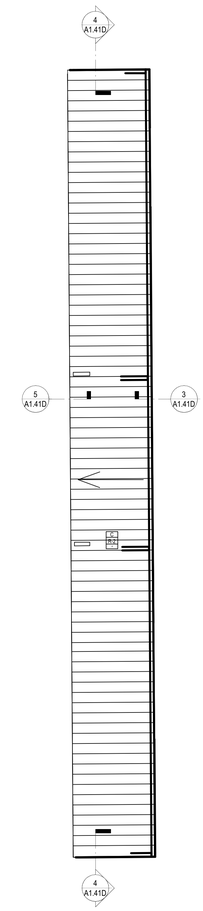
4 ROOF DETAIL
3" = 1'-0"



5 ROOF DETAIL - GUTTER
3" = 1'-0"



1 SPORTS STORAGE UNDER VISITOR'S BLEACHERS - BUILDING SECTION
1/2" = 1'-0"



N

2 PARTIAL ROOF PLAN - SPORTS STORAGE
1/8" = 1'-0"

GENERAL ROOF NOTES

1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
2. COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS.
3. ALL ROOF SADDLES/CRICKETS SHALL HAVE A MINIMUM OF 1/2" PER FOOT SLOPE, UNLESS NOTED OTHERWISE.
4. PROVIDE CRICKETS/ROOF CURBS FOR ALL EQUIPMENT SCHEDULED TO BE ON THE ROOF OR OPENINGS. COORDINATE SIZE AND LOCATION.
5. DIMENSIONS AND LOCATIONS OF EQUIPMENT ON THE ROOF ARE APPROXIMATE. DO NOT SCALE THE DRAWINGS.

ROOF ASSEMBLY LEGEND

SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ROOF ASSEMBLY 2: STANDING SEAM METAL PANEL

1. (1) LAYER 3/4" STRUCTURAL PANEL CONCRETE SUBFLOOR
2. (1) LAYER OF 5/8" THICK GYPSUM FIBER ROOF BOARD
3. (1) LAYER ICE AND WATER SHIELD HIGH TEMP. UNDERLAYMENT, PROVIDE STRIP-IN UNDERLAYMENT AS SHOWN IN DETAILS.
4. STANDING SEAM METAL PANEL SYSTEM, STANDARD SMOOTH PANEL STYLE, 12" WIDTH.

ROOF SCOPE OF WORK LEGEND

STANDING SEAM METAL PANEL

ROOF PLAN LEGEND

MEP EQUIPMENT. V/F EXISTING EQUIPMENT LOCATIONS AND QUANTITIES

VENT. V/F EXISTING EQUIPMENT LOCATIONS AND QUANTITIES

ROOF AREA
ROOF ASSEMBLY
INSULATION ASSEMBLY

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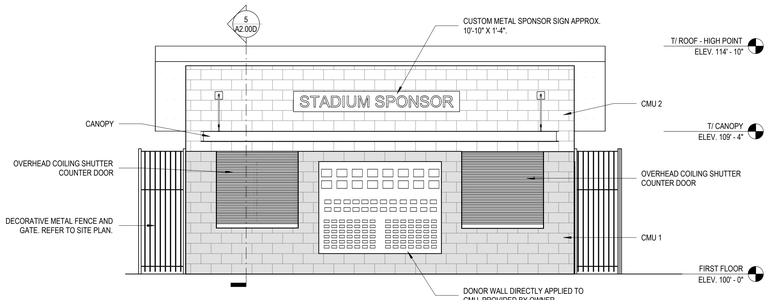
PRAIRIE RIDGE HIGH SCHOOL - SPORTS STORAGE - ROOF PLAN AND DETAILS

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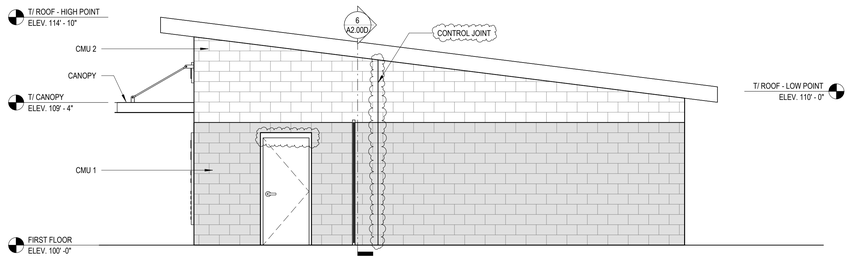
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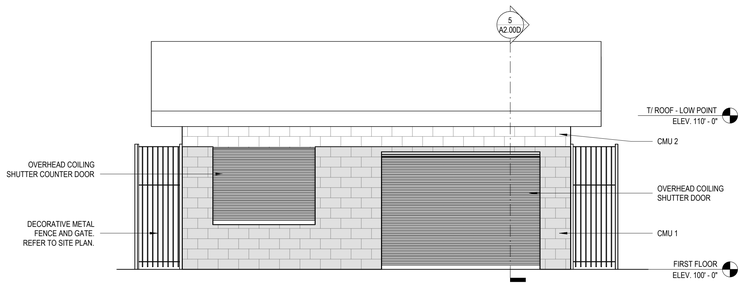
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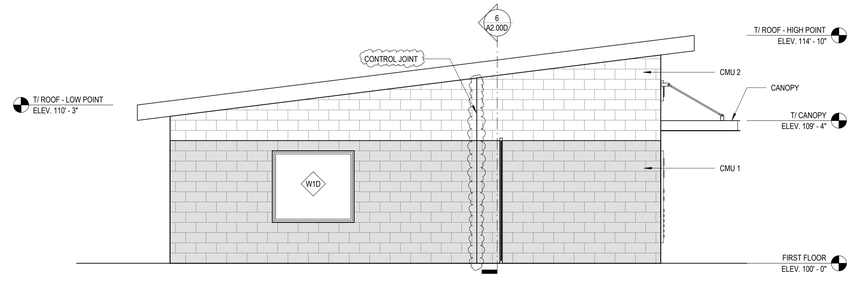
4 EXTERIOR ELEVATION - SOUTH
1/4" = 1'-0"



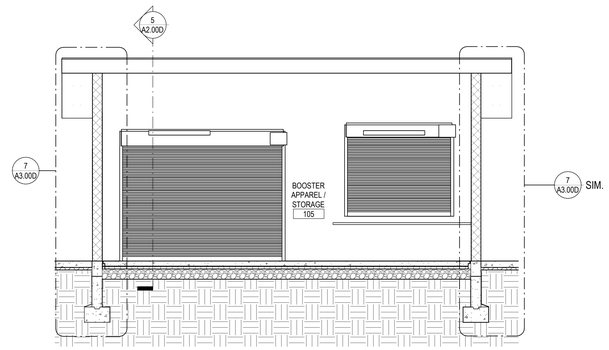
3 EXTERIOR ELEVATION - EAST
1/4" = 1'-0"



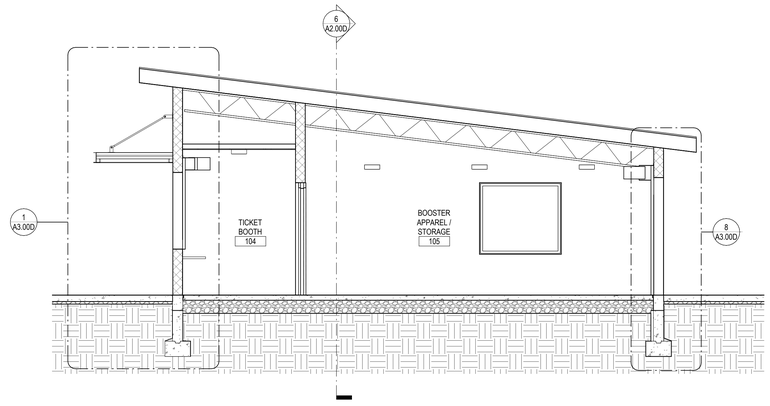
2 EXTERIOR ELEVATION - NORTH
1/4" = 1'-0"



1 EXTERIOR ELEVATION - WEST
1/4" = 1'-0"



6 BUILDING SECTION - TICKET BOOTH / BOOSTER BUILDING - E/W
1/4" = 1'-0"



5 BUILDING SECTION - TICKET BOOTH / BOOSTER BUILDING - N/S
1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND

CMU-1:
BASE BID: 8" STANDARD SPLIT FACE CMU PAINTED PT-X1
ALTERNATE: 8" INTEGRAL COLOR GROUND FACE CMU
TRENDSTONE BY TRENWYTH ARCHITECTURAL MASONRY
COLOR: 'BLOOMINGTON'

CMU-2:
BASE BID: 8" STANDARD SPLIT FACE CMU PAINTED PT-X2
ALTERNATE: 8" INTEGRAL COLOR GROUND FACE CMU
TRENDSTONE BY TRENWYTH ARCHITECTURAL MASONRY
COLOR: 'CORAL'

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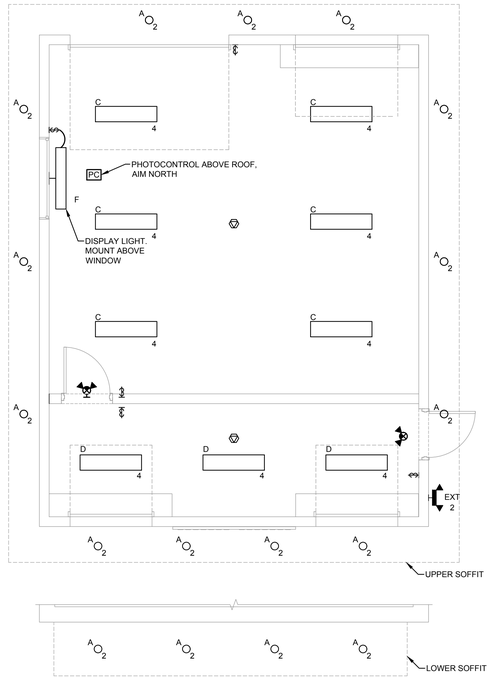
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PRAIRIE RIDGE HIGH SCHOOL - EXT. ELEV. - BULDING SECTIONS - TICKET / BOOSTER BUILDING

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A2.00D

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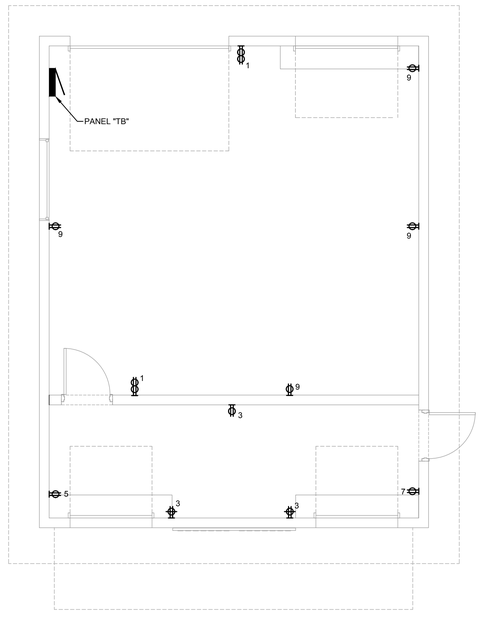
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N

3 TICKET BOOTH/BOOSTER PLAN - LIGHTING

1/4" = 1'-0"



N

4 TICKET BOOTH/BOOSTER PLAN - POWER

1/4" = 1'-0"

DRAWING NOTES:

1. PROVIDE 100A 240V 3P HD NON-FUSIBLE SAFETY DISCONNECT SWITCH. NEMA 1 ENCLOSURE.
2. EXHAUST FAN TO BE CONTROLLED BY LOCAL LIGHTING CONTROLS THIS ROOM.
3. LIGHT FIXTURES TO HOMERUN TO POWER BRANCH CIRCUIT SERVING EXISTING LIGHTING SERVING CONCESSIONS SPACE. RELOCATE JUNCTION BOXES AND EXTEND CONDUIT AND WIRING AS REQUIRED TO COMPLETE THE RENOVATIONS.
4. HOMERUN TO PANEL "CP". 3#1, 1#8, 1-1/4"C. PROVIDE 100A 208V 3P C/B.
5. PROVIDE LIGHTS ONLY IF GRILL CANOPY ALTERNATE IS ACCEPTED.

GENERAL NOTES:

A. THE MINIMUM WIRE SIZE SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRALS; NO COMMON NEUTRALS ARE PERMITTED.

B. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL BRANCH CIRCUITS CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS SPECIFICALLY INDICATED OTHERWISE.

C. THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.

D. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THRU PARTITIONS TO ACCOMMODATE ANY CONDUITS / RACEWAYS, CABLING, ETC... ALL PENETRATIONS THRU RATED WALL ASSEMBLY(IES) MUST MEET THE UL RATING OF THE WALL SYSTEM(S).

E. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL ELECTRICAL DEVICES BEFORE ROUGH-IN.

F. THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE, ETC... WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.

G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.

H. ALL WALL-MOUNTED ELECTRICAL DEVICES (RECEPTACLES, OUTLETS, LIGHT SWITCHES, ETC...) TO BE WHITE IN COLOR WITH STAINLESS STEEL FACEPLATE(S).

I. ALL LIGHTING FIXTURE JUNCTION BOXES, EMERGENCY LIGHTS, EXIT SIGNS, AND RECEPTACLE FACEPLATES TO BE CLEARLY LABELED. LABEL TO INDICATE: SERVING PANEL AND CIRCUIT NUMBER. LABEL ALL EQUIPMENT PER OWNERS DIRECTION, FOR PROPERTY MAINTENANCE PURPOSES. LABELS VISIBLE FROM FINISHED AREAS SHALL BE MACHINE PRINTED.

J. ALL EQUIPMENT / ITEMS INDICATED ON PLANS ARE NEW UNLESS SPECIFICALLY INDICATED OTHERWISE.

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STRUCTURAL
McCluskey Engineering Corporation
1887 HIGH GROVE LANE
NAPERVILLE, IL 60540
630.717.5335 (O) 630.717.5397 (F)

M.E.P.
CS2 DESIGN GROUP LLC
837 DARTON STREET
ELK GROVE VILLAGE, IL 60007
847.981.1880 (O)

CONSTRUCTION MANAGER
PEPPER CONSTRUCTION COMPANY
411 LAKE ZURICH ROAD
BARRINGTON, IL 60010
847.381.2760 (O)

ISSUANCE		
NO	DATE	DESCRIPTION
	08/11/2025	ISSUED FOR BID

2026 CAPITAL IMPROVEMENTS
PRAIRIE RIDGE HIGH SCHOOL
STADIUM RENOVATION
CHSD 155 - PRAIRIE RIDGE HS
6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012

ISSUED FOR BID

CONCESSIONS, TICKET BOOTH/BOOSTER - ELECTRICAL

SHEET NO.
E2.11

JOB NO. 25-4361.01
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FILE: F:\684-E-3\E684E3 E2.11.DWG SAVED BY: DBOYER DATE: 8/8/2025 TIME: 1:03 PM

LEGEND

- = AREA LIGHT (AL)
- = CATCH BASIN (CB)
- = CONCRETE PARKING BUMPER
- = CURB DRAIN (CD)
- = FIRE HYDRANT (FH)
- = GAS METER (GM)
- = HANDICAPPED PARKING SPACE
- = MANHOLE COVER (MH)
- = MONITOR WELL (MW)
- = OVERHEAD WIRES (OHW)
- = PIPE BOLLARD (PB)
- = SIGN (S)
- = STREET LIGHT STANDARD (SLS)
- = TRAFFIC CONTROL LIGHT (TCL)
- = WOOD SERVICE POLE (WSP)
- = TREE
- = EVERGREEN TREE
- = PROPERTY BOUNDARY
- = PARCEL LINES
- = EASEMENTS

Manhole No. 23
Sanitary Sewer
Rim = +846.84
8" PVC NE = +840.84
8" PVC W = +840.90

Manhole No. 22
Storm Sewer
Rim = +846.82
12" CPP E = +839.56
12" CPP S = +841.24
8" PVC W = +839.60

Manhole No. 24
Sanitary Sewer
Rim = +846.44
6" PVC SW = +835.32
8" PVC N = +835.11
8" PVC E = +835.26

Manhole No. 27
Sanitary Sewer
Rim = +845.93
4" PVC N = +836.10
8" PVC S = +836.01
6" PVC W = +837.68

Manhole No. 28
Catch Basin
Rim = +846.23
12" CPP N = +840.51
6" PVC SE = +840.95
12" CPP W = +840.56

Manhole No. 26
Sanitary Sewer
Rim = +845.94
Buried Under Large Snow Pile

Possible Sanitary Reroute
New Shed Built Over Utilities

Manhole No. 32
Catch Basin
Rim = +847.84
12" CPP NE = +842.84

Manhole No. 30
Catch Basin
Rim = +846.53
Vehicle Park Over

Conduit

Sheet Metal Garage

Manhole No. 29
Sanitary Sewer
Rim = +846.36
6" PVC W = +837.93
6" PVC S = +837.93
6" PVC E = +837.96

Manhole No. 35
Catch Basin
Rim = +845.99
12" RCP NW = +839.52
12" RCP W = +840.32
12" CPP S = +839.52
15" CPP E = +839.49

Manhole No. 34
Catch Basin
Rim = +845.81
12" RCP W = +839.83
12" RCP S = +839.80

Well / Metal Cover

Manhole No. 36
Water Valve
Rim = +847.14
10" CIP E/W = +839.70
To Top of Pipe

Manhole No. 37
Water Valve
Rim = +845.74
10" CIP N/S = +839.64
To Top of Pipe

Manhole No. 25
Catch Basin
Rim = +844.36
12" CPP SE = +842.03

Manhole No. 38
Catch Basin
Rim = +844.34
15" CPP W = +838.22
15" CPP SE = +837.90

Manhole No. 39
Catch Basin
Rim = +846.99
10" CPP NE = +843.12

Metal Post
Concrete Pad
Metal Post
Concrete Pad
Concrete Pad

Manhole No. 40
Catch Basin
Rim = +845.77
10" CPP SW = +842.57
12" CPP E = +842.51

Manhole No. 21
Storm Sewer
Rim = +846.46
12" CPP E = +840.93
15" CPP SE = +837.62
12" CPP SW = +837.68
12" CPP NW = +840.99

Handhole

Manhole No. 20
Catch Basin
Rim = +845.18
12" CPP W = +841.61

Manhole No. 19
Sanitary Sewer
Rim = +845.72
8" PVC W = +835.80
8" PVC_SW = +835.89

Manhole No. 42
Catch Basin
Rim = +845.56
12" CPP N = +840.77
12" CPP S = +840.73

Manhole No. 42
Catch Basin
Rim = +845.56
12" CPP N = +840.77
12" CPP S = +840.73

Utility Handhole

Manhole No. 41
Catch Basin
Rim = +845.05
12" CPP SE = +842.24
12" CPP W = +842.30

Manhole No. 17
Storm Sewer
Rim = +844.53
15" CPP N = +835.50
12" CPP SE = +837.25
24" CPP SW = +832.43
12" CPP W = +836.36

Manhole No. 16
Catch Basin
Rim = +843.08
12" CPP NW = +838.55
6" PVC NE = +839.50

Manhole No. 44
Storm Sewer
Rim = +844.93
12" CPP N = +837.69
12" CPP SE = +837.59
15" CPP S = +836.71
12" CPP W = +838.63
15" CPP NW = +836.63

Electric Box
Utility Box
Metal Bleachers
Brick and Frame Announcer's Booth
Metal Bleachers
Conduit
Unlocatable Fiber
Asphalt Paved

Proposed Soil Bore
Handhole
Drain
Downspout
Asphalt Paved
Proposed Soil Bore
Unknown Signal
Proposed Soil Bore
Metal Bleachers
Metal Bleachers
Utility Box
Proposed Soil Bore
Wood Ticket Booths
Downspout
Stadium Lights
Utility Box
Cleanout
Stadium Lights
Handhole
Handhole
Rubber Track

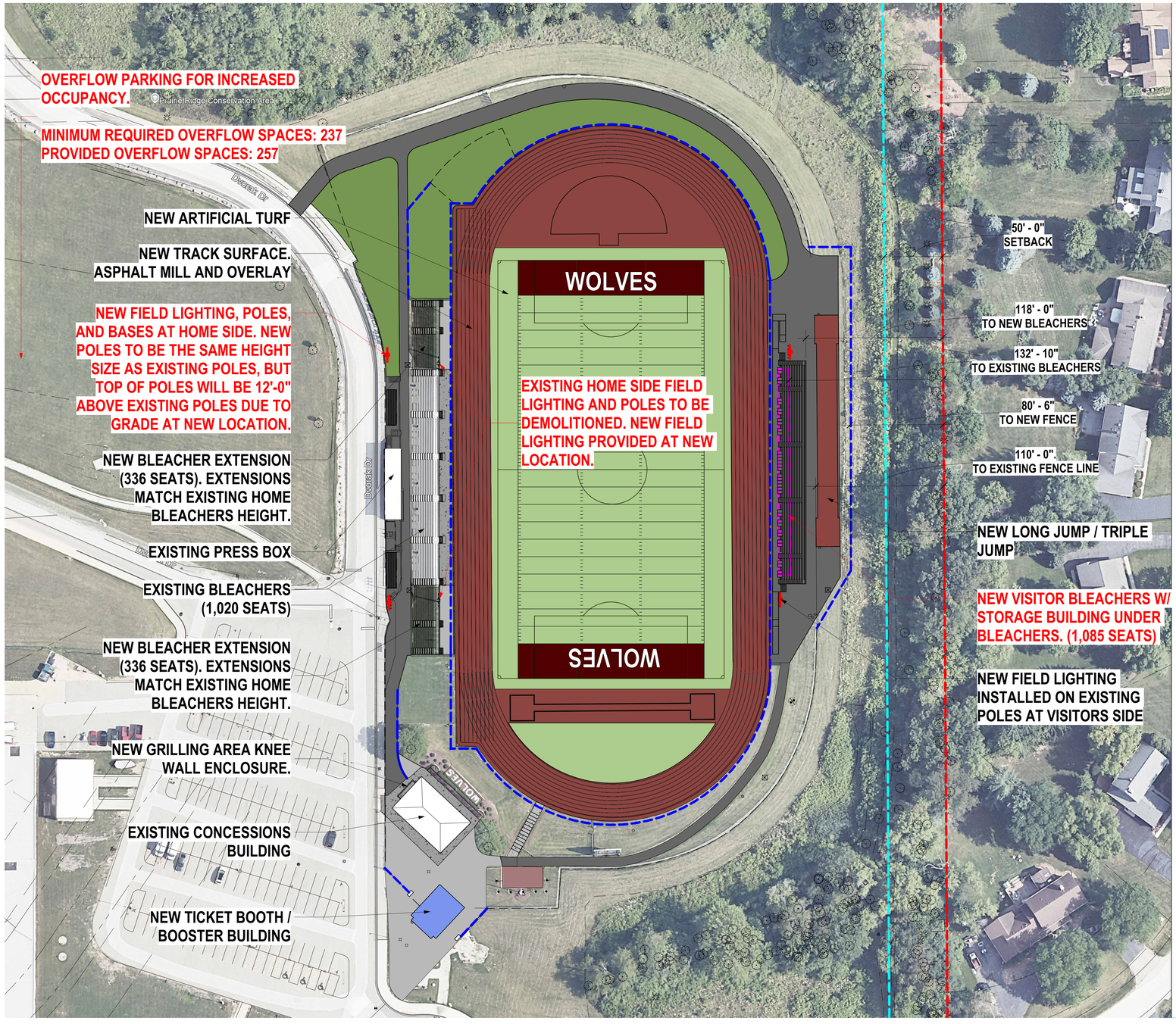
Manhole No. 45
Storm Sewer
Rim = +845.15
12" CPP NW = +838.55
12" CPP SE = +838.55

Manhole No. 18
Catch Basin
Rim = +843.24
12" CPP N = +839.31

Downspout
Asphalt Paved
Downspout
Conduit
Stone Lettering
Rubber Track
Track Trench Drain
Drain
Drain
Drain
Drain
Drain
Drain
ICV
ICV
Handhole
ICV
ICV
ICV
ICV
Sprinkler Head
Sprinkler Head
Sprinkler Head
Sprinkler Head
Sprinkler Head
Sprinkler Head
Sprinkler Head
Sprinkler Head
Proposed Soil Bore
Proposed Soil Bore
Proposed Soil Bore

2026 CAPITAL IMPROVEMENTS PRAIRIE RIDGE HIGH SCHOOL STADIUM RENOVATION

6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012



LEGEND

- GRASS
- NEW ARTIFICIAL TURF
- NEW ASPHALT
- NEW CONCRETE
- NEW TRACK SURFACE, ASPHALT MILL AND OVERLAY W/ PERIMETER CHAINLINK FENCING
- NEW SUPPORT BUILDING
- NEW CHAINLINK FENCING
- REPLACE EXISTING FIELD LIGHTING & POLES

PARKING REQUIREMENTS:

PREVIOUS OCCUPANCY: 1,546

PREVIOUS PARKING SPACES REQUIRED: 515

NEW STADIUM OCCUPANCY: 2,777

REQUIREMENT:
1 PARKING SPACE FOR EVERY
3 STADIUM SEATS

TOTAL PARKING SPACES REQUIRED: 926

EXISTING PARKING SPACES: 689

MINIMUM REQUIRED OVERFLOW SPACES: 237

PROVIDED OVERFLOW SPACES: 257

1"=40'
0' 20' 40' 80' 160'

N

PRAIRIE RIDGE H.S. STADIUM

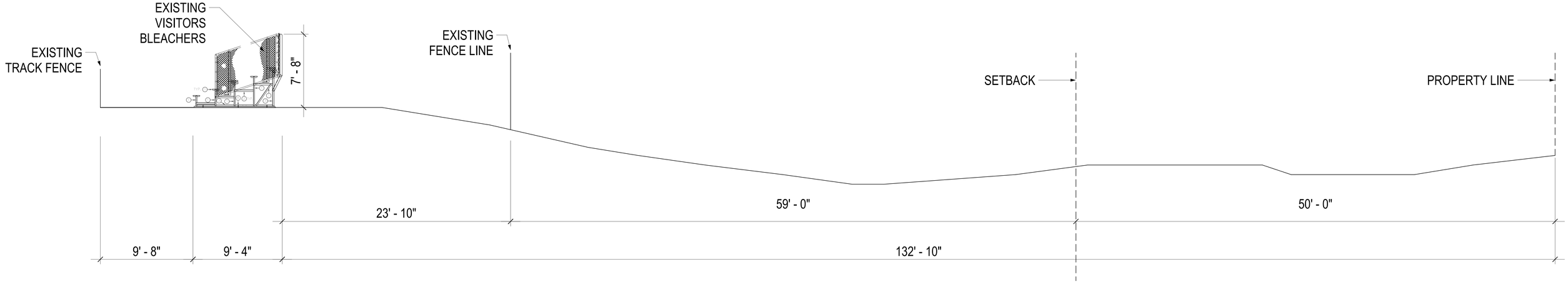
CHSD 155 - PRAIRIE RIDGE HS
Job No. 25-4361.01

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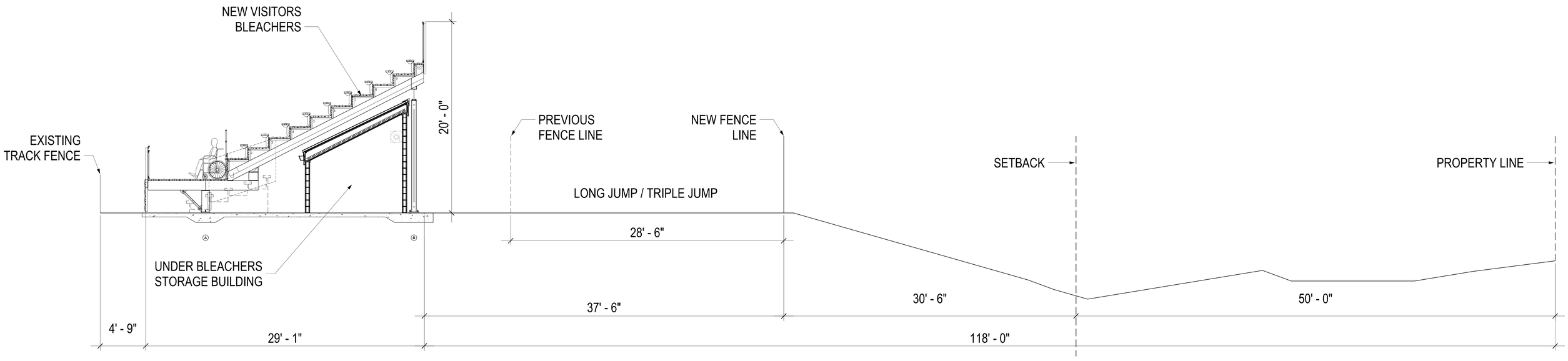
fgma
FGMARCHITECTS

2026 CAPITAL IMPROVEMENTS PRAIRIE RIDGE HIGH SCHOOL STADIUM RENOVATION

6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012



1 **SECTION - EXISTING VISITOR BLEACHERS**
1/4" = 1'-0"



2 **SECTION - NEW VISITOR BLEACHERS**
1/4" = 1'-0"

VISITOR BLEACHERS - SECTIONS

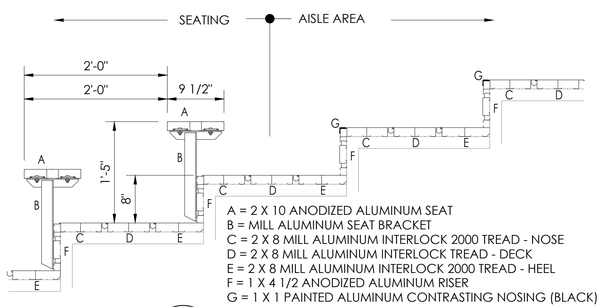
CHSD 155 - PRAIRIE RIDGE HS
Job No. 25-4361.01

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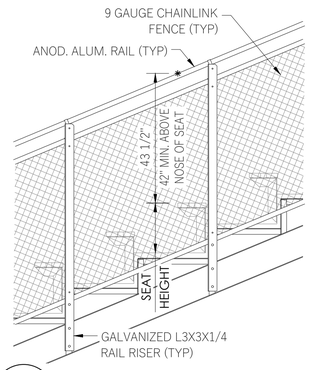
ITEM DESCRIPTION

1. W 14 X 30 (50 ksi)
2. W 14 X 22 (50 ksi)
3. W 10 X 12 (50 ksi)
4. L 3 X 3 X 1/4 (50 ksi)
5. L 2 X 2 X 3/16 (50 ksi)
6. L 2 X 1 1/2 X 3/16 (50 ksi)
7. 9 GAUGE GALV. STEEL CHAINLINK FENCE
8. ANODIZED ALUMINUM RAIL (SEE NOTES)
9. 5 X 3/8 GUSSET PLATE (A36)
10. 2 X 1/4 GUSSET PLATE (A36)
11. 3/4 X 18 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER

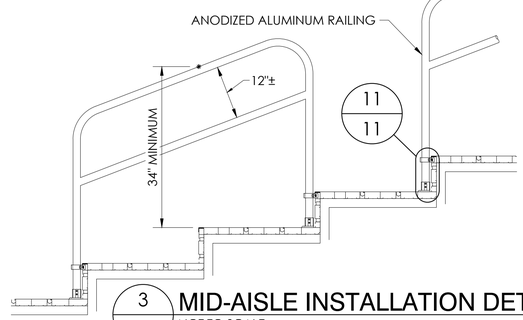


A = 2 X 10 ANODIZED ALUMINUM SEAT
B = MILL ALUMINUM SEAT BRACKET
C = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE
D = 2 X 8 MILL ALUMINUM INTERLOCK TREAD - DECK
E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL
F = 1 X 4 1/2 ANODIZED ALUMINUM RISER
G = 1 X 1 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)

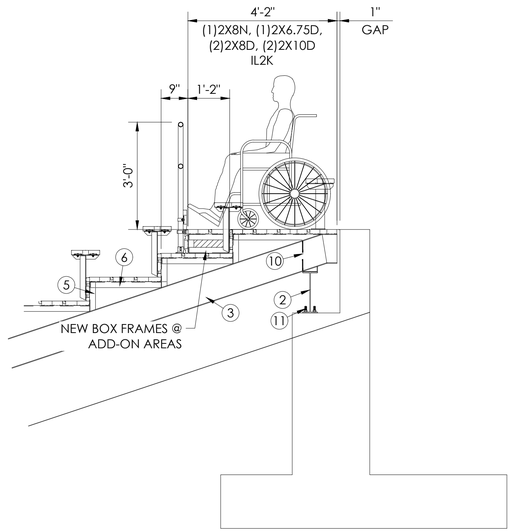
1/1 PLANK ARRANGEMENT
NOT TO SCALE 8" RISE X 24" TREAD



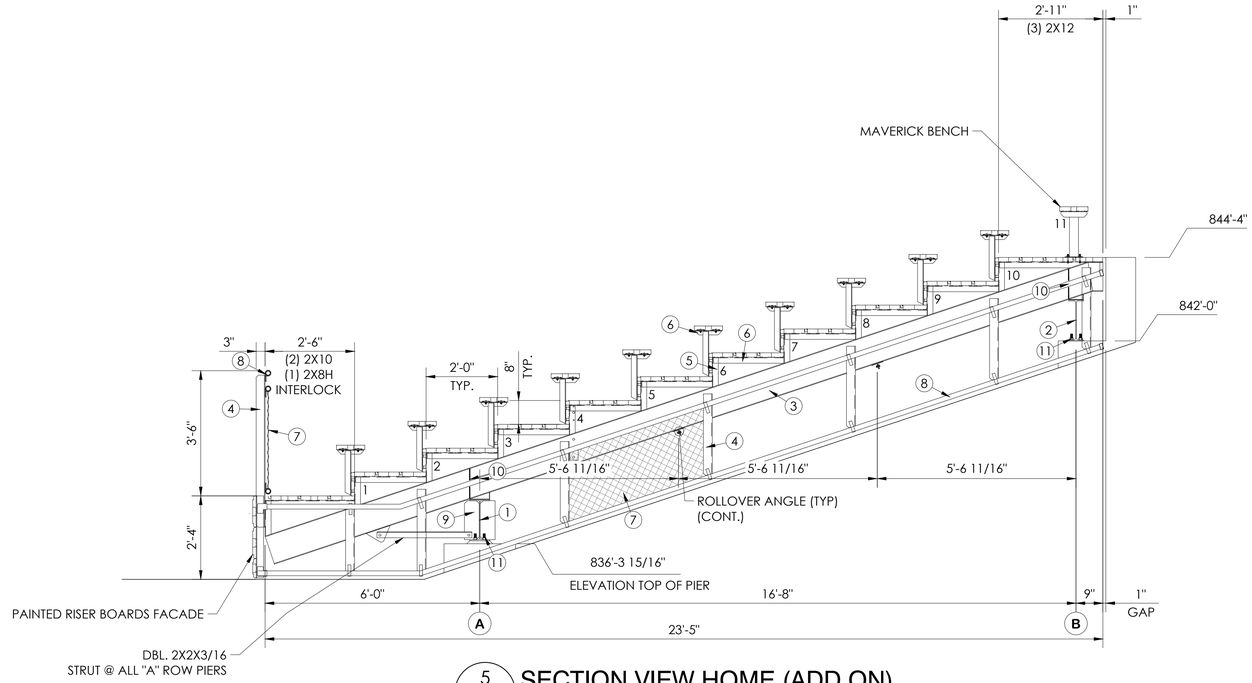
2/1 TYPICAL SIDE RAILING
SCALE:1/2"=1'-0"



3/1 MID-AISLE INSTALLATION DETAIL
NOT TO SCALE



4/1 SECTION VIEW W/C AREA (ADD-ON)
SCALE:1/2"=1'-0"



5/1 SECTION VIEW HOME (ADD ON)
SCALE:1/2"=1'-0"

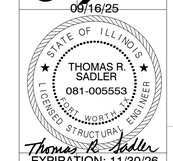
DETAIL NUMBER / SHEET NUMBER

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Southern® BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

09/16/25



EXPIRATION: 11/30/26

TYPE: SECTION VIEW
8" RISE X 24" TREAD / (2)54'-0" (11 ROWS)

TITLE: PRAIRIE RIDGE HIGH SCHOOL
2025 FOOTBALL STANDS
CRYSTAL LAKE, ILLINOIS

REV	BY	DATE	DESCRIPTION

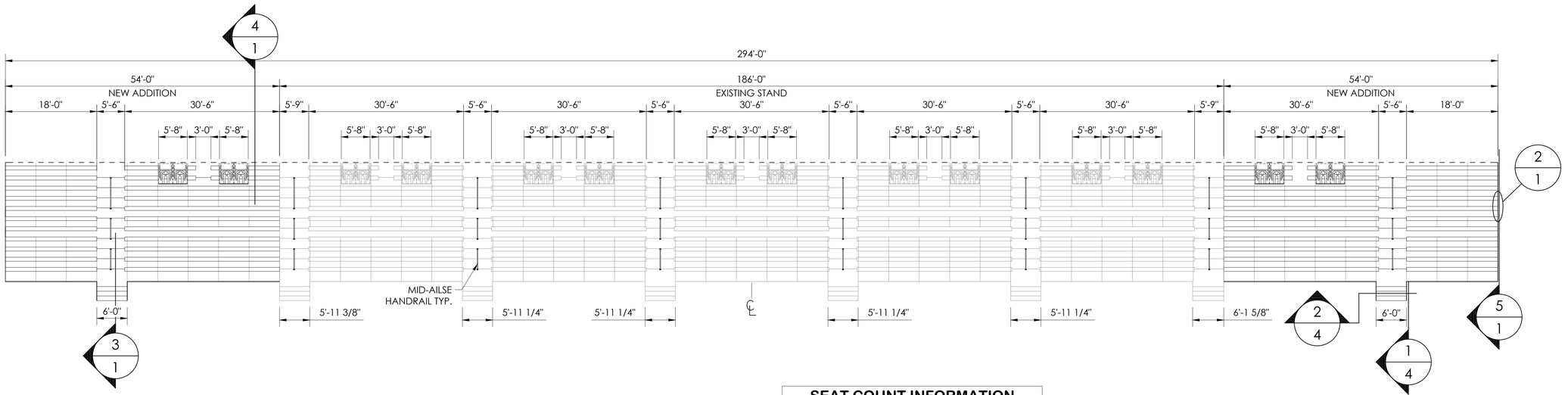
DATE: ---- DRAWN: MG CHECKED: LD

JOB NUMBER: #25236

SHEET: 1

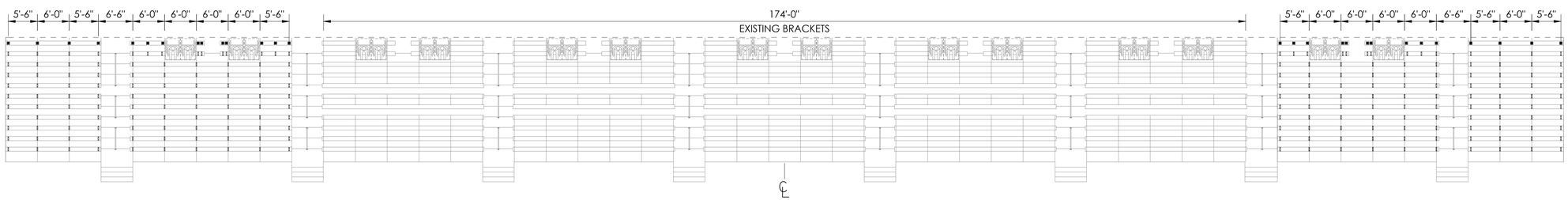
22" X 34" (11x17 = 1/2 indicated scale)

25236



1/2 SEATING LAYOUT - HOME
SCALE:3/32"=1'-0"

SEAT COUNT INFORMATION	
18" BENCH SEATS - EXISTING	1000
18" BENCH SEATS - ADD ON	664
33" WHEELCHAIR SPACES - EXISTING	20
33" WHEELCHAIR SPACES - ADD ON	8
TOTAL SEAT COUNT	**1692**



2/2 SEAT BRACKET LAYOUT - HOME
SCALE:3/32"=1'-0"

SEAT BRACKET INFORMATION	
"L" BRACKETS	208
MAVERICK BENCH BRACKETS	28

THE SADLER GROUP
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Southern Bleacher Company®
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PO Box One, Graham, Texas 76450
801 Fifth Street
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Established 1946

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DETAIL NUMBER
SHEET NUMBER

09/16/25

STATE OF ILLINOIS
THOMAS R. SADLER
081-005553
LICENSED STRUCTURAL ENGINEER
EXPIRATION: 11/30/26

TYPE: SEATING / SEAT BRACKET LAYOUT
TITLE: PRAIRIE RIDGE HIGH SCHOOL
2025 FOOTBALL STANDS
CRYSTAL LAKE, ILLINOIS

REV	BY	DATE	DESCRIPTION

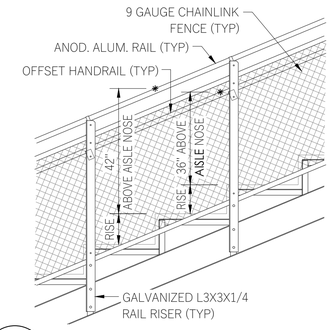
DATE: ---- DRAWN: MG CHECKED: LD
JOB NUMBER: #25236
SHEET: 2

22" X 34" (1:1 x 17" = 1/2 indicated scale)

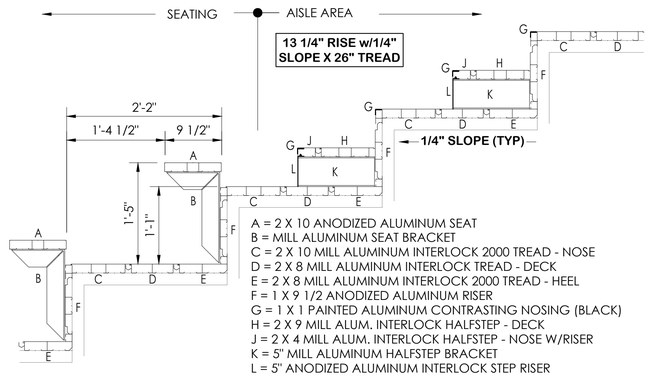
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ITEM DESCRIPTION

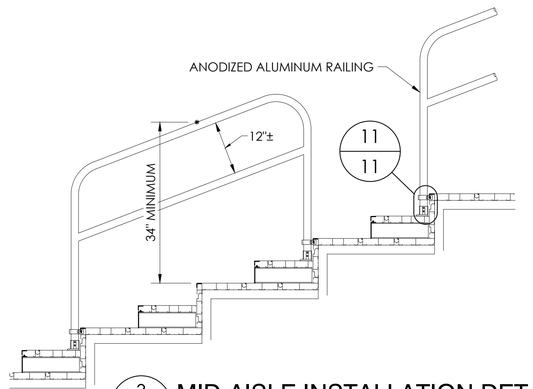
1. W 14 X 30 (50 ksi)
2. W 14 X 22 (50 ksi)
3. W 12 X 16 (50 ksi)
4. W 12 X 14 (50 ksi)
5. W 10 X 12 (50 ksi)
6. W 6 X 20 (50 ksi)
7. L 3 X 3 X 1/4 (50 ksi)
8. L 2 X 2 X 3/16 (50 ksi)
9. L 2 X 1 1/2 X 3/16 (50 ksi)
10. 12 X 12 X 5/8 PLATE
11. 6 X 8 X 3/8 PLATE
12. 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
13. 9 GAUGE GALV. STEEL CHAINLINK FENCE
14. ANODIZED ALUMINUM RAIL (SEE NOTES)
15. 2 X 1/4 GUSSET PLATE (A36)
16. 8 X 10 X 3/8 PLATE
17. 3/4" X 12" ALL THREADED ROD W/HILTI HY 200 ADHESIVE (MIN. EMBEDMENT = 9")
18. 3/4 X 18 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER



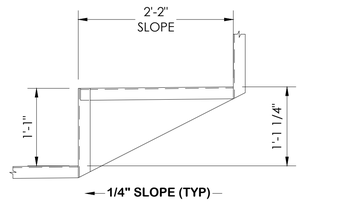
1/5 SIDE RAILING @ END AISLE
SCALE:1/2"=1'-0"



2/5 PLANK ARRANGEMENT
SCALE:1"=1'-0" 13" RISE X 26" TREAD



3/5 MID-AISLE INSTALLATION DETAIL
NOT TO SCALE



4/5 SECTION VIEW (VISITOR SIDE)
SCALE:1/2"=1'-0"

DETAIL NUMBER / SHEET NUMBER

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Fax: (817) 338-0335
Email: mail@sadlergroup.com
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Established 1946

09/16/25

STATE OF ILLINOIS
THOMAS P. SADLER
081-005553
LICENSED STRUCTURAL ENGINEER
Thomas P. Sadler
EXPIRATION: 11/30/26

TYPE: SECTION VIEW
8" RISE X 24" TREAD / (2)54'-0" (11 ROWS)
TITLE: PRAIRIE RIDGE HIGH SCHOOL
2025 FOOTBALL STANDS
CRYSTAL LAKE, ILLINOIS

REV	BY	DATE	DESCRIPTION

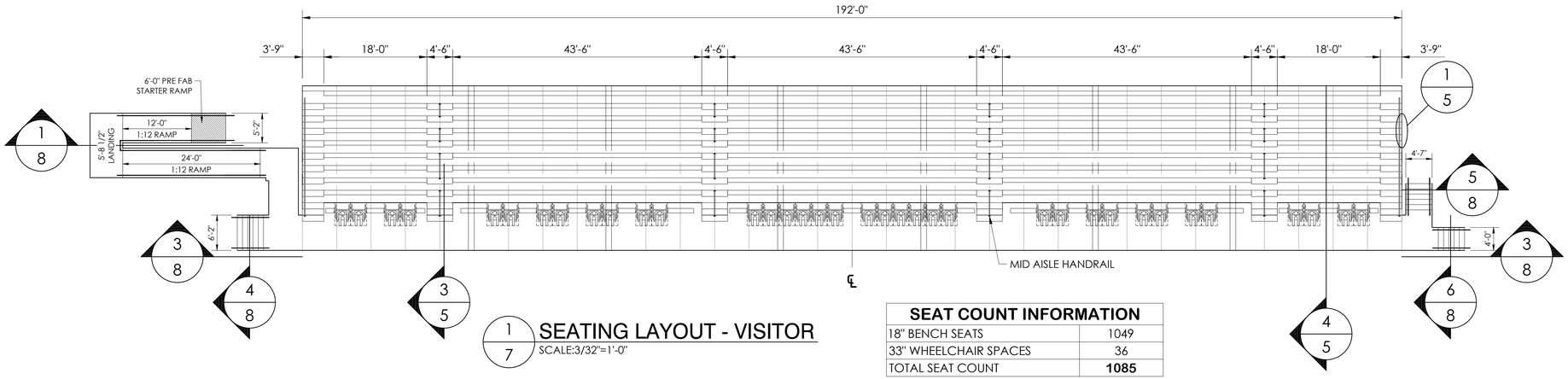
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JOB NUMBER #25236

SHEET 5

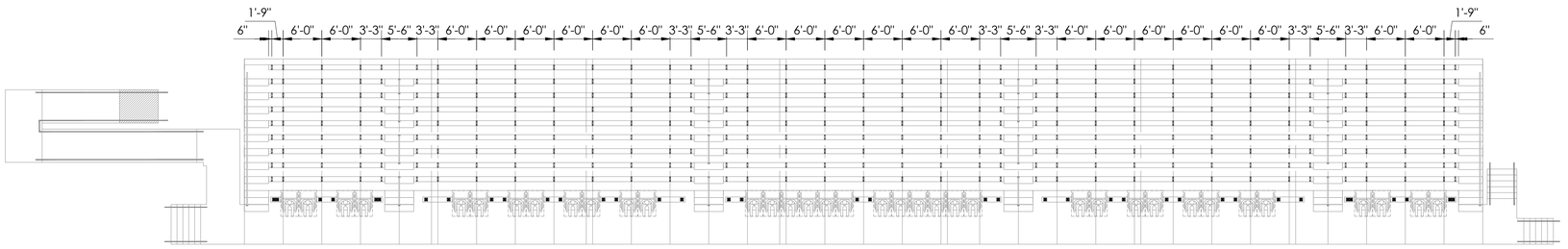
22" X 34" (11x17 = 1/2 indicated scale)

25236



1/7 SEATING LAYOUT - VISITOR
SCALE:3/32"=1'-0"

SEAT COUNT INFORMATION	
18" BENCH SEATS	1049
33" WHEELCHAIR SPACES	36
TOTAL SEAT COUNT	**1085**



2/7 SEAT BRACKET LAYOUT - VISITOR
SCALE:3/32"=1'-0"

SEAT BRACKET INFORMATION	
"L" BRACKETS	333
MAVERICK BENCH BRACKETS	38

DETAIL NUMBER / SHEET NUMBER

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GRANDSTANDS • BLEACHERS • STADIUMS

09/16/25

STATE OF ILLINOIS
THOMAS P. SADLER
081-005553
LICENSED STRUCTURAL ENGINEER
Thomas P. Sadler
EXPIRATION: 11/30/26

REV	BY	DATE	DESCRIPTION

DATE: ----
DRAWN: MG
CHECKED: LD

JOB NUMBER: #25236

SHEET: 7

TITLE: SEATING / SEAT BRACKET LAYOUT
8" RISE X 24" TREAD / (2)54'-0" (11 ROWS)

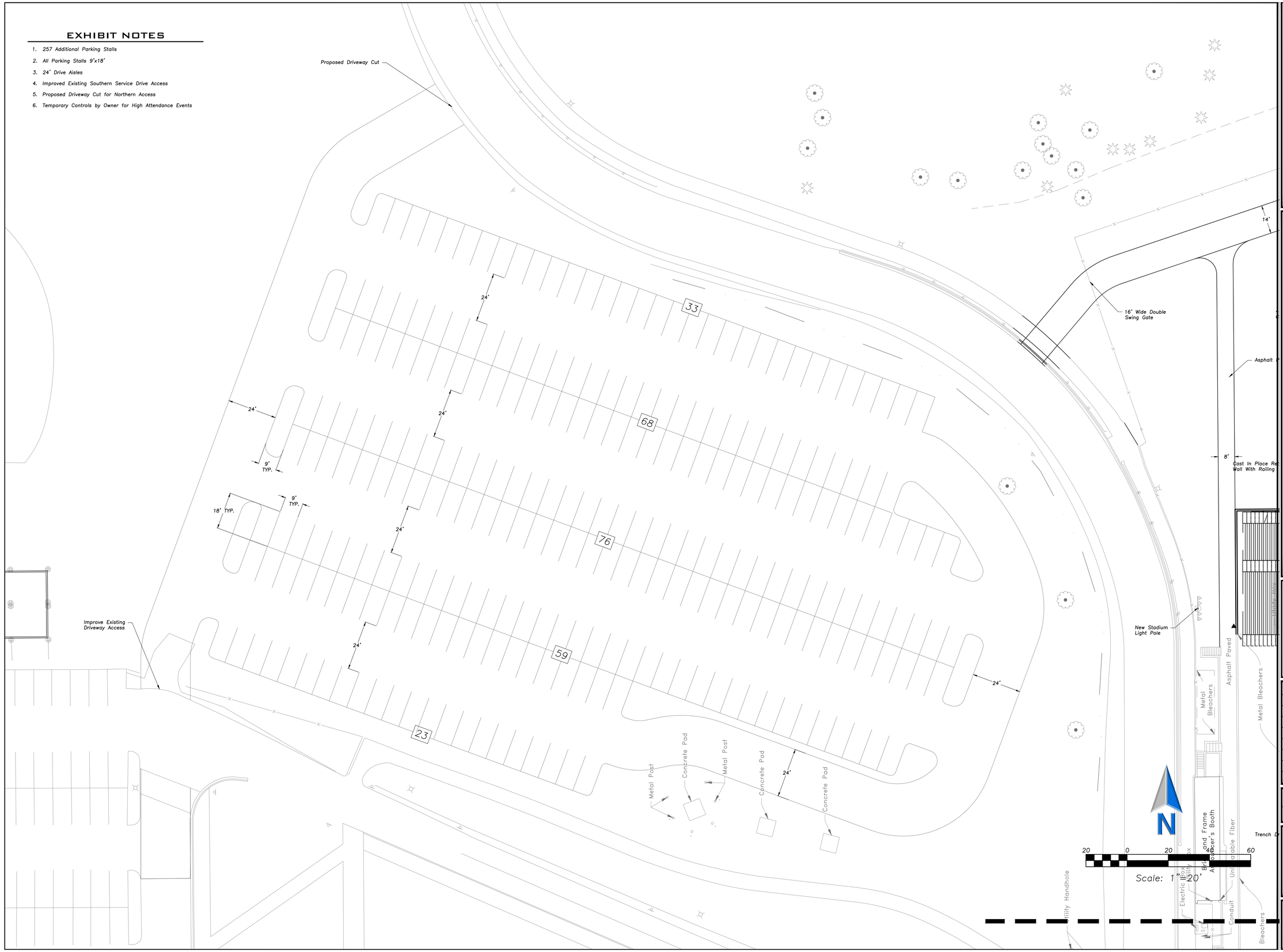
PRAIRIE RIDGE HIGH SCHOOL
2025 FOOTBALL STANDS
CRYSTAL LAKE, ILLINOIS

22" X 34" (1:1 x 17" = 1/2 indicated scale)

25236

EXHIBIT NOTES

1. 257 Additional Parking Stalls
2. All Parking Stalls 9'x18'
3. 24' Drive Aisles
4. Improved Existing Southern Service Drive Access
5. Proposed Driveway Cut for Northern Access
6. Temporary Controls by Owner for High Attendance Events



ERIKSSON ENGINEERING ASSOCIATES, LTD.

145 COMMERCE DRIVE, SUITE A
GRAYSLAKE, ILLINOIS 60030
PHONE (847) 223-4804
FAX (847) 223-4864
EMAIL INFO@EEA-LTD.COM
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-003220
EXPIRES: 04/30/2027

STADIUM RECONSTRUCTION AT PRAIRIE RIDGE HS

CRYSTAL LAKE, ILLINOIS

Reserved for Seal:

No.	Date	Description

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Design By:	Approved By:	Date:
PD		05.07.2025

Sheet Title:

PARKING OVERFLOW EXHIBIT

Sheet No:

1 of 1

DRAWING NOTES:

1. EXISTING SUSPENDED / CEILING MOUNTED UNIT HEATER TO BE REMOVED AND RETURNED TO OWNER.
2. EXISTING EXHAUST FAN TO BE REMOVED.

DEMOLITION SYMBOLS

SYMBOL	DESCRIPTION
X	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
XRR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED, RELOCATED AND JUNCTION BOX REMOVED OR CAPPED AS REQUIRED.
XR	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
R	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED.

DEMOLITION DRAWING NOTES:

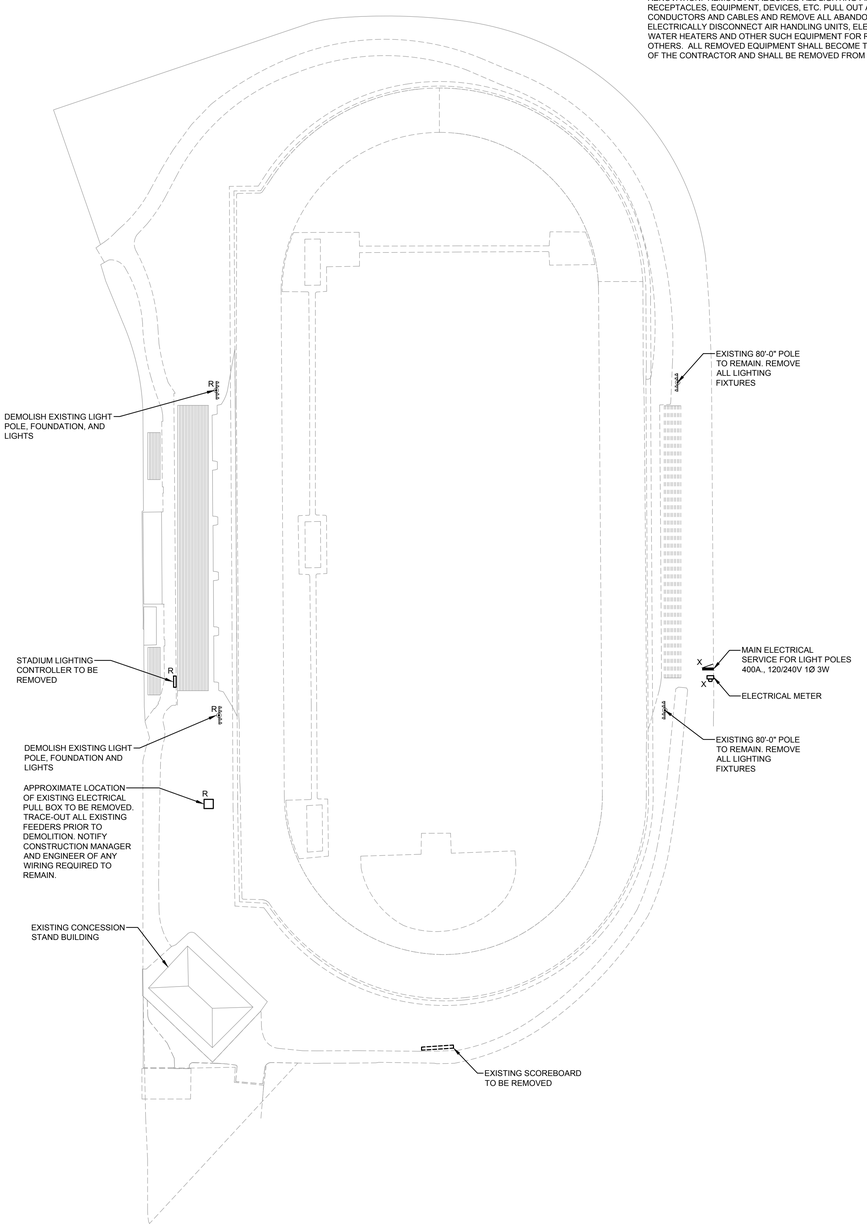
A. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.

B. ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED FOR ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTORS WORK.

C. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.

D. THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.

E. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRICAL WATER HEATERS AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS. ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.



N

1 OVERALL ELECTRICAL DEMOLITION SITE PLAN
1" = 40'-0"

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CONSTRUCTION MANAGER
PEPPER CONSTRUCTION COMPANY
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BARRINGTON, IL 60010
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NO	ISSUANCE DATE	DESCRIPTION
	08/11/2025	ISSUED FOR BID

2026 CAPITAL IMPROVEMENTS
PRAIRIE RIDGE HIGH SCHOOL
STADIUM RENOVATION
CHSD 155 - PRAIRIE RIDGE HS
6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012

ISSUED FOR BID

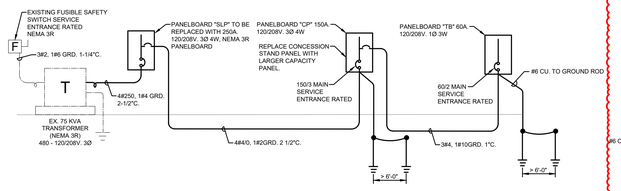
OVERALL STADIUM SITE ELECTRICAL DEMOLITION PLAN

SHEET NO.
ED1.11

JOB NO. 25-4361.01

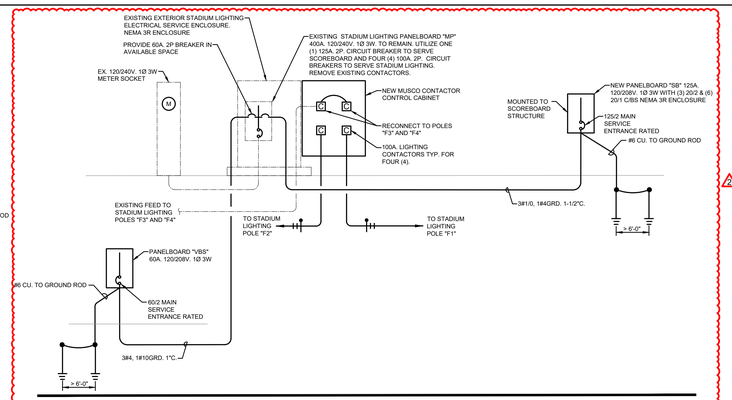
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PARTIAL ELECTRICAL RISER DIAGRAM - CONCESSION STAND

NO SCALE



PARTIAL ELECTRICAL RISER DIAGRAM - SCOREBOARD

NO SCALE

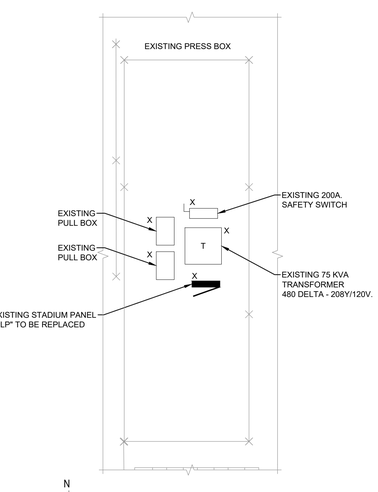
LEGRAND, WIREMOLD OUTDOOR GROUND BOX, NEMA 4X ENCLOSURE WITH FLIP TOP COVER, COLOR SELECTION BY ARCHITECT (BLACK, BROWN, GRAY). APPROXIMATE DIMENSIONS: 16"X8"X11" DEEP

FLUSH MOUNTED IN GRADE, BELOW FIELD TURF

PROVIDE TWO (2) DUPLEX 20A RECEPTACLES ON A SINGLE DEDICATED CIRCUIT

2 SINGLE BOX, ONE CIRCUIT

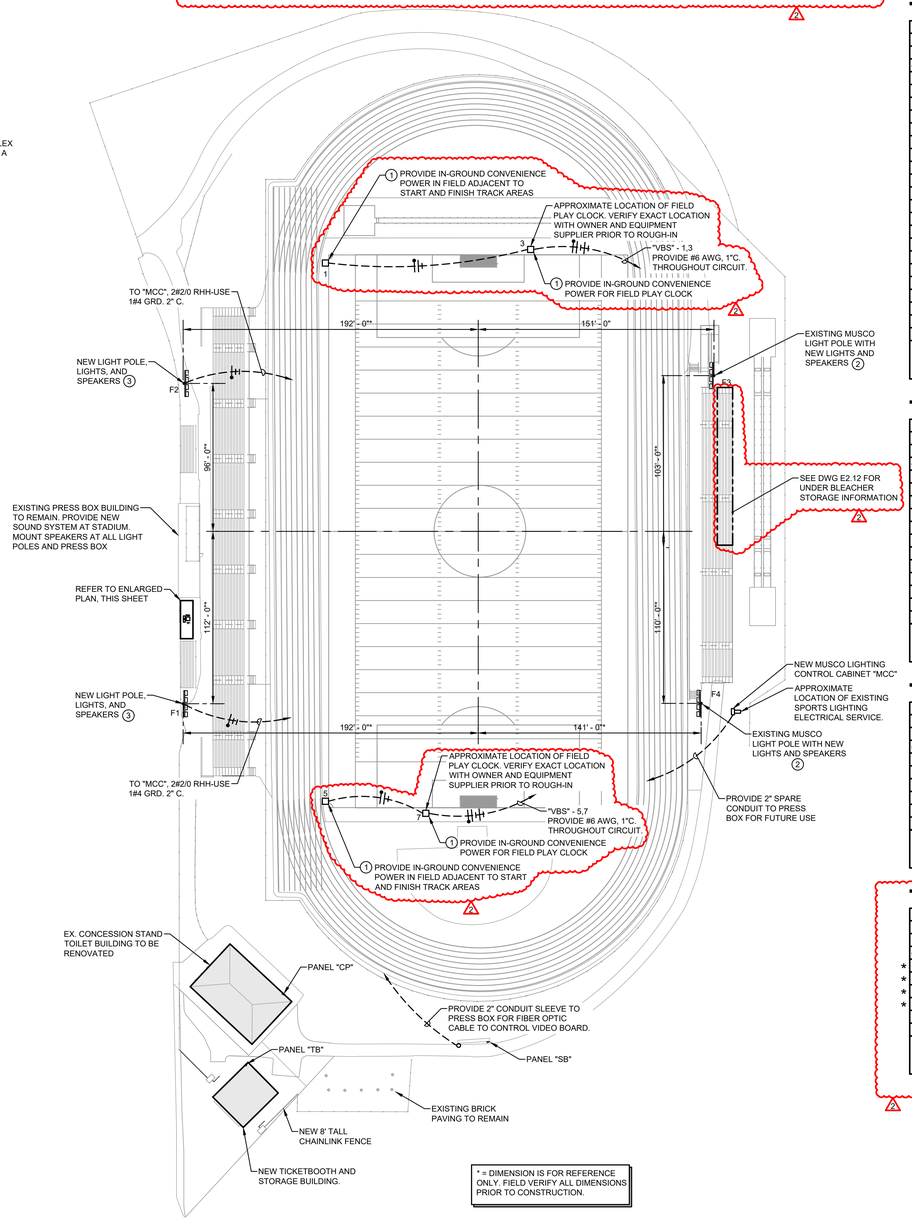
EACH RECEPTACLE CIRCUIT SHALL BE GFCI PROTECTED. PROVIDE GFCI TYPE CIRCUIT BREAKER AT SERVING PANEL.



N

3 ENLARGED PLAN

1/4" = 1'-0"



* = DIMENSION IS FOR REFERENCE ONLY. FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

N

1 OVERALL ELECTRICAL SITE PLAN

1" = 40'-0"

FIXTURE TYPE SCHEDULE (MUSCO)

TYPE	SOURCE	WATTAGE	LUMENS	L90	L80	L70	QUANTITY
TLC-LED-1500	LED-5700K-75 CRI	1397W	182,194	>120,000	>120,000	>120,000	34
TLC-BT-575	LED-5700K-75 CRI	575W	52,651	>120,000	>120,000	>120,000	8

POLE/FIXTURE SCHEDULE

POLE ID	POLE HEIGHT	MTG. HEIGHT	FIXTURE QTY.	LUMINAIRE TYPE	LOAD
F1	70'-0"	70'-0"	9	TLC-LED-1500	12.57 kW
		16'-0"	2	TLC-BT-575	1.15 kW
F2	70'-0"	70'-0"	9	TLC-LED-1500	12.57 kW
		16'-0"	2	TLC-BT-575	1.15 kW
F3	70'-0"	70'-0"	8	TLC-LED-1500	11.18 kW
		16'-0"	2	TLC-BT-575	1.15 kW
F4	70'-0"	70'-0"	8	TLC-LED-1500	11.18 kW
		16'-0"	2	TLC-BT-575	1.15 kW
TOTAL			57		52.10 kW

PANELBOARD SCHEDULE: "SLP"

MAIN: 250A. M C/B | VOLTAGE: 208 Y/120V, 3PH, 4W | C/B RATING: 22 k.A.I.C.
LOCATION: OUTDOOR | NEUTRAL: 100% | GROUND: EQUIPMENT | MOUNTING: SURFACE
REMARKS: NEMA 3R CONSTRUCTION | TYPE: BOLT-ON

	CKT	USE AND/OR AREA SERVED	C/B	TYPE	VA	PH	VA	TYPE	C/B	USE AND/OR AREA SERVED	CKT	
★	1	EXISTING LOAD	20/1			A			20/1	EXISTING LOAD	2	★
★	3	EXISTING LOAD	20/1			B			20/1	EXISTING LOAD	4	★
★	5	EXISTING LOAD	20/1			C			20/1	EXISTING LOAD	6	★
★	7	E.W. DRIVE LIGHTS	20/2			A			20/1	EXISTING LOAD	8	★
	9					B			20/1	EXISTING LOAD	10	★
	11	N.S. DRIVE LIGHTS	30/2			C			20/1	EXISTING LOAD	12	★
	13					A					14	
	15	BUSSED SPACE				B			150/3	CONCESSION STAND	16	
	17	BUSSED SPACE				C					18	
	19	BUSSED SPACE				A				BUSSED SPACE	20	
	21	BUSSED SPACE				B				BUSSED SPACE	22	
	23	BUSSED SPACE				C				BUSSED SPACE	24	
	25	BUSSED SPACE				A				BUSSED SPACE	26	
	27	BUSSED SPACE				B				BUSSED SPACE	28	
	29	BUSSED SPACE				C				BUSSED SPACE	30	
	31	BUSSED SPACE				A				BUSSED SPACE	32	
	33	BUSSED SPACE				B				BUSSED SPACE	34	
	35	BUSSED SPACE				C				BUSSED SPACE	36	
	37	BUSSED SPACE				A				BUSSED SPACE	38	
	39	BUSSED SPACE				B			100/2	EXISTING LOAD	40	
	41	BUSSED SPACE				C					42	

TOTAL LOAD PER PHASE A: 0 | CONNECTED LOAD: 0 VA
TOTAL LOAD PER PHASE B: 0 | HIGH PHASE AMPS: 0.0 A
TOTAL LOAD PER PHASE C: 0

★ = PROVIDE GFCI CIRCUIT BREAKER

PANELBOARD SCHEDULE: "CP"

MAIN: 150A M C/B | VOLTAGE: 208 Y/120V, 3PH, 4W | C/B RATING: 10 k.A.I.C.
LOCATION: CONCESSION BUILDING | NEUTRAL: 100% | GROUND: EQUIPMENT | MOUNTING: SURFACE
REMARKS: SERVICE ENTRANCE RATED | TYPE: BOLT-ON

CKT	USE AND/OR AREA SERVED	C/B	TYPE	VA	PH	VA	TYPE	C/B	USE AND/OR AREA SERVED	CKT
1	EX. EXIT LIGHTS	20/1	L		A		R	20/1	EX. RECEPTACLES	2
3	SPARE	20/1			B			20/1	SPARE	4
5	SPARE	20/1			C			20/1	SPARE	6
7	EX. CONCESSION RECEPT.	20/1	R		A			20/1	SPARE	8
9	EX. CONCESSION RECEPT.	20/1	R		B			20/1	SPARE	10
11	EX. CONCESSION RECEPT.	20/1	R		C		L	20/1	EX. CONCESSION LIGHTS	12
13	EX. CONCESSION RECEPT.	20/1	R		A		R	20/1	EX. CONCESSION RECEPT.	14
15	EX. CONCESSION RECEPT.	20/1	R		B		R	20/1	EX. CONCESSION RECEPT.	16
17	EX. CONCESSION RECEPT.	20/1	R		C		R	20/1	EX. CONCESSION RECEPT.	18
19	EX. CONCESSION RECEPT.	20/1	R		A		R	30/1	EX. CONCESSION RECEPT.	20
21	EX. CONCESSION RECEPT.	20/1	R		B		R	20/1	EX. CONCESSION RECEPT.	22
23	EX. CONCESSION RECEPT.	20/1	R		C		R	20/1	EX. CONCESSION RECEPT.	24
25			E		A	1225		60/2	PANEL "TB"	26
27	WATER HEATER	100/3	E		B	920			TICKET BOOTH	28
29	30KW		E		C				BUSSED SPACE	30
31	BUSSED SPACE				A				BUSSED SPACE	32
33	BUSSED SPACE				B				BUSSED SPACE	34
35	BUSSED SPACE				C				BUSSED SPACE	36
37	BUSSED SPACE				A				BUSSED SPACE	38
39	BUSSED SPACE				B				BUSSED SPACE	40
41	BUSSED SPACE				C				BUSSED SPACE	42

TOTAL LOAD PER PHASE A: 1225 | CONNECTED LOAD: 2145 VA
TOTAL LOAD PER PHASE B: 920 | HIGH PHASE AMPS: 10.2 A
TOTAL LOAD PER PHASE C: 0

PANELBOARD SCHEDULE: "SB"

MAIN: 125A. M C/B | VOLTAGE: 120 /240V, 1PH, 3W | C/B RATING: 10 k.A.I.C.
LOCATION: OUTDOOR NEMA 3R | NEUTRAL: 100% | GROUND: EQUIPMENT | MOUNTING: SURFACE
REMARKS: SERVICE ENTRANCE RATED | TYPE: LOAD CENTER

CKT	USE AND/OR AREA SERVED	C/B	TYPE	VA	PH	VA	TYPE	C/B	USE AND/OR AREA SERVED	CKT
1	SCOREBOARD	20/2		1500	A	1200		20/1	SCOREBOARD	2
3				1500	B	1200		20/1	SCOREBOARD	4
5	SCOREBOARD	20/2		1500	A			20/1	SPARE	6
7				1500	B			20/1	SPARE	8
9	SCOREBOARD	20/2		1500	A			20/1	SPARE	10
11				1500	B			20/1	SPARE	12
13	BUSSED SPACE				A				BUSSED SPACE	14
15	BUSSED SPACE				B				BUSSED SPACE	16
17	BUSSED SPACE				A				BUSSED SPACE	18
19	BUSSED SPACE				B				BUSSED SPACE	20
21	BUSSED SPACE				A				BUSSED SPACE	22
23	BUSSED SPACE				B				BUSSED SPACE	24

TOTAL LOAD PER PHASE A: 5700 | CONNECTED LOAD: 11400 VA
TOTAL LOAD PER PHASE B: 5700 | HIGH PHASE AMPS: 47.5 A

PANELBOARD SCHEDULE: "TB"

MAIN: 60A. M C/B | VOLTAGE: 120 /208V, 1PH, 3W | C/B RATING: 10 k.A.I.C.
LOCATION: TICKET BOOTH | NEUTRAL: 100% | GROUND: EQUIPMENT | MOUNTING: SURFACE
REMARKS: SERVICE ENTRANCE RATED | TYPE: LOAD CENTER

CKT	USE AND/OR AREA SERVED	C/B	TYPE	VA	PH	VA	TYPE	C/B	USE AND/OR AREA SERVED	CKT	
1	RECEPT. - STORAGE	20/1	R	720	A	325	L	20/1	OUTDOOR LIGHTS	2	▲
3	RECEPT. - TICKET BOOTH	20/1	R	540	B	200	L	20/1	INDOOR LIGHTS	4	
5	RECEPT. - TICKET BOOTH	20/1	R	180	A			20/1	SPARE	6	
7	RECEPT. - TICKET BOOTH	20/1	R	180	B			20/1	SPARE	8	
9	RECEPT. - STORAGE	20/1	R	720	A				BUSSED SPACE	10	
11	BUSSED SPACE				B				BUSSED SPACE	12	

TOTAL LOAD PER PHASE A: 1945 | CONNECTED LOAD: 2865 VA
TOTAL LOAD PER PHASE B: 920 | HIGH PHASE AMPS: 16.2 A

▲ = CONTROLLED BY PHOTO CONTROL

PANELBOARD SCHEDULE: "VBS"

MAIN: 60A. M C/B | VOLTAGE: 120 /240V, 1PH, 3W | C/B RATING: 10 k.A.I.C.
LOCATION: TICKET BOOTH | NEUTRAL: 100% | GROUND: EQUIPMENT | MOUNTING: SURFACE
REMARKS: SERVICE ENTRANCE RATED | TYPE: LOAD CENTER

	CKT	USE AND/OR AREA SERVED	C/B	TYPE	VA	PH	VA	TYPE	C/B	USE AND/OR AREA SERVED	CKT
★	1	RECEPT. - FOOTBALL FIELD	20/1	R	180	A	325	L	20/1	BLEACHER STORAGE LIGHTS	2
★	3	RECEPT. - FOOTBALL FIELD	20/1	R	180	B	1080	R	20/1	RECEPT. - BLEACHER STOR.	4
★	5	RECEPT. - FOOTBALL FIELD	20/1	R	180	A			20/1	SPARE	6
★	7	RECEPT. - FOOTBALL FIELD	20/1	R	180	B			20/1	SPARE	8
	9	SPARE	20/1			A				BUSSED SPACE	10
	11	SPARE	20/1			B				BUSSED SPACE	12

TOTAL LOAD PER PHASE A: 685 | CONNECTED LOAD: 2125 VA
TOTAL LOAD PER PHASE B: 1440 | HIGH PHASE AMPS: 12.0 A

★ = PROVIDE GFCI CIRCUIT BREAKER

DRAWING NOTES:

1. PROVIDE FLUSH, IN GROUND ELECTRICAL BOX WITH TWO DUPLEX RECEPTACLES, AND ONE CIRCUIT. REFER TO DETAIL "2" THIS SHEET. FINAL LOCATIONS TO BE DETERMINED BY OWNER ON SITE.
2. EXISTING MUSCO LIGHTING POLE TO REMAIN. PROVIDE NEW MUSCO LED LIGHTING ASSEMBLIES
3. NEW MUSCO LIGHTING POLE AND LED LIGHTING ASSEMBLIES. REFER TO POLE DETAIL THIS SHEET.

GENERAL NOTES:

A. THE MINIMUM WIRE SIZE SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRALS; NO COMMON NEUTRALS ARE PERMITTED.

B. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS SHALL BE 3/4". 1/2" CONDUIT SHALL BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL BRANCH CIRCUITS CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS SPECIFICALLY INDICATED OTHERWISE.

C. THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.

D. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES AND SEALANT AS REQUIRED THRU PARTITIONS TO ACCOMMODATE ANY CONDUITS / RACEWAYS, CABLING, ETC... ALL PENETRATIONS THRU RATED WALL ASSEMBLY(IES) MUST MEET THE UL RATING OF THE WALL SYSTEM(S).

E. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL ELECTRICAL DEVICES BEFORE ROUGH-IN.

F. THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE, ETC... WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.

G. ALL WALL-MOUNTED ELECTRICAL DEVICES (RECEPTACLES, OUTLETS, LIGHT SWITCHES, ETC..) TO BE WHITE IN COLOR WITH STAINLESS STEEL FACEPLATE(S).

H. ALL EQUIPMENT / ITEMS INDICATED ON PLANS ARE NEW UNLESS SPECIFICALLY INDICATED OTHERWISE.

EXISTING CONDITIONS NOTE

EXISTING CONDITIONS WERE DEVELOPED BY A COMBINATION OF FIELD SURVEYING, AS-BUILT DRAWINGS, LOCATE MARKERS, YET SOME ASSUMPTIONS WERE MADE TO IDENTIFY LOCATIONS. THESE PLANS SHALL NOT BE THE SOLE SOURCE OF EXISTING CONDITIONS, CONTRACTOR SHALL FIELD VERIFY ALL AS REQUIRED AND IMMEDIATELY NOTIFY CONSTRUCTION MANAGER / ENGINEER OF ANY DEVIATIONS AND / OR PROBLEMATIC ITEMS.

UNDERGROUND CONDUIT INSTALLATION NOTE

ALL CONDUIT ROUTED OUTDOORS SHALL BE ROUTED BELOW GRADE. CONTRACTOR SHALL COORDINATE ALL RECEPTACLE LOCATIONS AND CONDUIT ROUTING WITH EXISTING AND PROPOSED SITE UTILITIES. HAND DIG AREAS TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A PROFESSIONAL DIRECTIONAL BORING COMPANY TO CONCEAL ALL CONDUIT BELOW GRADE AND TO MINIMIZE SITE DISTURBANCE TO THE LANDSCAPE, SPRINKLER, DRAINAGE, HARDSCAPE AND SITE SERVICES. ALL TRENCHING SHALL BE COORDINATED AND APPROVED BY THE CONSTRUCTION MANAGER. FOR WORK OUTSIDE THE GENERAL LIMITS OF FIELD TURF: ALL CUTTING, PATCHING, AND RESTORING SHALL BE THIS CONTRACTORS RESPONSIBILITY. CONDUIT SHALL BE ROUTED AT AN ELEVATION BELOW SITE UTILITIES. CONTRACTOR SHALL IDENTIFY EXISTING UNDERGROUND UTILITIES USING A PRIVATE LOCATE SERVICE PRIOR TO DIGGING CONTACT J.U.L.I.E. AND SCHEDULE A JOINT SURVEY INCLUDING THE CHSD 155 MAINTENANCE MANAGER.

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		ISSUANCE
NO	DATE	DESCRIPTION
	08/11/2025	ISSUED FOR BID
2	08/21/2025	ADDENDUM 2

2026 CAPITAL IMPROVEMENTS
PRAIRIE RIDGE HIGH SCHOOL
STADIUM RENOVATION
CHSD 155 - PRAIRIE RIDGE HS
6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012
ISSUED FOR BID

OVERALL STADIUM SITE ELECTRICAL PLAN

SHEET NO.
E1.11

JOB NO. 25-4361.01
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FILE: F:\684-E-3\E\684E3 E1.11.DWG SAVED BY: DBOYER DATE: 8/21/2025 TIME: 5:21 PM

LIGHTING

NO SCALE

- 2' X 4' LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- 2' X 2' LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- TYPICAL - HALF SHADING DENOTES LIGHTING FIXTURE UNSWITCHED (EMERGENCY LIGHT OR NIGHTLIGHT).
- LIGHT FIXTURE; WALL, CEILING OR PENDANT MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- STRIP LIGHT FIXTURE, PER LIGHTING FIXTURE SCHEDULE.
- WALL MOUNTED FIXTURE PER LIGHTING FIXTURE SCHEDULE.
- LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED PER LIGHTING FIXTURE SCHEDULE.
- RECESSED MOUNTED WALLWASHER, PER LIGHTING FIXTURE SCHEDULE.
- WALL MOUNTED FIXTURE, PER LIGHTING FIXTURE SCHEDULE.
- LINEAR WALL MOUNTED FIXTURE, PER LIGHTING FIXTURE SCHEDULE.
- EMERGENCY EXIT FIXTURE, SURFACE CEILING MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
- EMERGENCY EXIT FIXTURE, SURFACE WALL MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
- HIGH IMPACT EMERGENCY EXIT FIXTURE, SURFACE WALL MOUNTED, SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS PER EXIT SIGN SCHEDULE.
- EMERGENCY, DUAL HEAD, BATTERY PACK LIGHTING FIXTURE, SURFACE WALL MOUNTED.
- EMERGENCY, DUAL HEAD, BATTERY PACK LIGHTING FIXTURE, RECESSED CEILING MOUNTED.
- EMERGENCY REMOTE HEAD.
- WALL MOUNTED, DUAL TECHNOLOGY, ULTRASONIC AND PASSIVE INFRARED OCCUPANCY SENSOR SWITCH.
- CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, TYPE AND LAYOUT BY MANUFACTURER'S RECOMMENDATIONS ("GUARANTEED LAYOUT").
- CEILING MOUNTED DAYLIGHT HARVESTING SENSOR, TYPE AND LAYOUT BY MANUFACTURER'S RECOMMENDATIONS.

FIRE ALARM

- FCP — FA SYSTEM ADDRESSABLE CONTROL PANEL.
- LOC — FA SYSTEM REMOTE OPERATOR CONSOLE W/ MICROPHONE.
- PS — FA SYSTEM PULL STATION.
- VI — FA SYSTEM VISUAL (STROBE) SIGNAL; WALL MOUNTED.
- V — FA SYSTEM VISUAL (STROBE) SIGNAL; CEILING MOUNTED.
- SV — FA SYSTEM COMBO SPEAKER / VISUAL (STROBE) SIGNAL; WALL MOUNTED.
- SV — FA SYSTEM COMBO SPEAKER / VISUAL (STROBE) SIGNAL; CEILING MOUNTED.
- S — FA SYSTEM SPEAKER; WALL MOUNTED.
- S — FA SYSTEM SPEAKER; CEILING MOUNTED.
- SA — FA SYSTEM, HIGH OUTPUT TPCA - DEMIUM SPEAKER ARRAY.
- SD — FA SYSTEM SMOKE DETECTOR; CEILING MOUNTED.
- HD — FA SYSTEM HEAT DETECTOR; CEILING MOUNTED. PROVIDE RATE OF RISE OR FIXED TEMPERATURE (FT) TYPE TO BEST PROTECT ENVIRONMENT INSTALLED.
- MH — FA SYSTEM MAGNETIC DOOR HOLD OPEN DEVICE.
- C — FA SYSTEM DOOR CLOSER DEVICE.
- CO — FA SYSTEM CARBON MONOXIDE DETECTOR.
- KSPDT — FA SYSTEM KEY OPERATED REMOTE TEST SWITCH WITH INDICATING LIGHT.
- ZAM — FA SYSTEM ZONE ADAPTER MODULE.
- FA SYSTEM SPRINKLER BELL.
- FS — FA SYSTEM WATER FLOW SWITCH.
- VSS — FA SYSTEM VALVE SUPERVISORY (TAMPER) SWITCH.
- DCO — DUCT MOUNTED CARBON MONOXIDE (CO) DETECTOR.
- DSD — DUCT MOUNTED SMOKE DETECTOR.

WIRING DEVICES

- $ — SINGLE POLE 20 AMP 120-277 VOLT SWITCH INSTALLED 48" A.F.F.
- $K — SINGLE POLE 20 AMP 120-277 VOLT KEY TYPE SWITCH INSTALLED 48" A.F.F. REFER TO PLANS FOR SPEC.
- $D — SINGLE POLE 20 AMP DIMMER SLIDE SWITCH INSTALLED 48" A.F.F. COMPATIBLE WITH VOLTAGE TYPE AND LAMP TYPE SERVED BY SWITCH.
- $3 — THREE WAY 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" A.F.F. "K" DENOTES KEY TYPE.
- $3D — THREE WAY 20 AMP DIMMER SLIDE SWITCH INSTALLED 48" A.F.F. A.F.F. "K" DENOTES KEY TYPE.
- $MT — MANUAL MOTOR STARTER, THERMAL OVERLOAD TOGGLE SWITCH.
- $MF — MANUAL SINGLE PHASE FUSIBLE DISCONNECT SWITCH W/ PLUG FUSE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATION.
- $MM — MAGNETIC MOTOR STARTER THERMAL OVERLOAD SWITCH WITH INDICATING LIGHT AND PERMANENT IDENTIFICATION NAMEPLATE.
- 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- 20 AMP 2P, 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLE NEMA 5-20R INSTALLED ABOVE COUNTER TOP OR COUNTER TOP BACK SPLASH. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- TWO 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R INSTALLED 16" A.F.F. UNLESS NOTED OTHERWISE. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- TWO 20 AMP 2P; 3 WIRE, GROUNDING TYPE, 120 VOLT SPECIFICATION GRADE DUPLEX RECEPTACLES NEMA 5-20R NSTALLED ABOVE COUNTER TOP OR COUNTER TOP BACK SPLASH. "GFI" DENOTES RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER.
- SHADING DENOTES RECEPTACLE ON EMERGENCY POWER, RED IN COLOR.
- RECEPTACLE MOUNTED IN FLOOR BOX (SINGLE GANG).
- VIDEO (FIBER/XLR/CATEGORY 6) AND RECEPTACLE MOUNTED IN FLOOR BOX (THREE GANG).
- SPECIALIZED RECEPTACLE FOR RESPECTIVE EQUIPMENT AS NOTED ON PLANS.
- HD — HAND DRYER OR HAIR DRYER; 120V. DEDICATED 20A. CIRCUIT - VERIFY PRIOR TO ROUGH-IN.
- MDO — MOTORIZED DOOR OPERATOR.
- ADA PUSH-BUTTON FOR MOTORIZED DOOR OPERATOR.
- PH — PROJECTOR INPUT PROVIDE 2 GANG, DOUBLE DEEP BACKBOX WITH SINGLE GANG RING. PROVIDE HDMI CONNECTOR WITH STAINLESS STEEL FACE PLATE AND HDMI CABLE CONNECTED TO PROJECTOR.

RACEWAY AND BOXES

NO SCALE

- J — CEILING MOUNTED JUNCTION BOX.
- WALL MOUNTED JUNCTION BOX.
- JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO EQUIPMENT.
- CONDUIT ROUTED CONCEALED IN WALLS AND CEILING. HASH MARKS DENOTE QUANTITY OF #12 CONDUCTORS OR AS NOTED.
- CONDUIT ROUTED EXPOSED. INSTALL PARALLEL TO WALLS AND CEILINGS. HASH MARKS DENOTE QUANTITY OF #12 CONDUCTORS OR AS NOTED.
- DENOTES CONDUIT CONTAINING A #12 EQUIPMENT GROUND CONDUCTOR OR AS NOTED.
- FLEXIBLE CONDUIT.
- SOLID CIRCLE DENOTES DEVICE FED WITH AND/OR MOUNTED ON SURFACE BOX ON SURFACE CONDUIT. VERIFY ROUTING IN FIELD.
- WIREMOLD V700 SERIES OR EQUAL. FINISHED OR PAINTED TO MATCH WALL. PROVIDE RECEPTACLES AND/OR OUTLET BOXES AS SHOWN.
- POWER POLE FROM ACCESSIBLE CEILING ABOVE.
- DENOTES SURFACE MOUNTED RACEWAY, REFER TO PLANS FOR SPEC.
- DENOTES PLUGMOLD, REFER TO PLANS FOR SPEC.

SERVICE AND DISTRIBUTION

- NON-FUSED SAFETY DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
- F — FUSED DISCONNECT SWITCH, AMPERE RATING AND NUMBER OF POLES AS NOTED.
- CB — CIRCUIT BREAKER DISCONNECT SWITCH.
- COMBINATION MOTOR STARTER WITH FUSED DISCONNECT SWITCH
- CONTROL OR MISC. PANEL AS NOTED.
- CIRCUIT BREAKER PANELBOARD
- DISTRIBUTION PANEL.
- MOTOR CONNECTION, HORSEPOWER, VOLTAGE AND PHASE AS NOTED.
- TVSS — TRANSIENT VOLTAGE SURGE PROTECTOR MOUNTED ADJACENT TO SWITCHBOARD ON PANELBOARD.
- METER.
- T — TRANSFORMER.

DATA, VOICE AND VIDEO

- SINGLE VOICE JACK, +16" A.F.F PROVIDE 1 GANG EXTRA DEEP BACKBOX WITH 1"C. WITH INSULATED BUSHING STUBBED INTO ACCESSIBLE CEILING SPACE. "W" DENOTES WALL MOUNTED +48" A.F.F. REFER TO DETAILS.
- DUAL DATA JACK, +16" A.F.F. PROVIDE 2 GANG EXTRA DEEP BACKBOX WITH 1"C. WITH INSULATED BUSHING STUBBED INTO ACCESSIBLE CEILING SPACE. REFER TO DETAILS.
- APPROXIMATE LOCATION OF CEILING MOUNTED DATA JACK FOR WIRELESS NETWORK. VERIFY EXACT SPECIFICATION / MODEL TYPE WITH OWNER'S IT DIRECTOR. REFER TO DETAILS.
- APPROXIMATE LOCATION OF WALL MOUNTED DATA JACK FOR WIRELESS NETWORK. VERIFY EXACT SPECIFICATION / MODEL TYPE WITH OWNER'S IT DIRECTOR. REFER TO DETAILS.

CLOCK, PAGING & SOUND

- WALL MOUNTED ANALOG CLOCK.
- CEILING MOUNTED ANALOG CLOCK
- DC — DUAL FACE DIGITAL CLOCK.
- FLUSH, ROUND-TYPE CEILING MOUNTED PAGING SPEAKER.
- SURFACE, SQUARE-TYPE CEILING MOUNTED PAGING SPEAKER.
- PROJECTION TYPE, SURFACE, SQUARE-TYPE WALL MOUNTED SPEAKER.
- TWO POSITION CALL SWITCH (NORMAL-EMERGENCY).
- PREWIRED ADMINISTRATIVE TELEPHONE JACK (INTEGRATED WITH PAGING SYSTEM) WALL MOUNTED.
- SCS — COMBINATION WALL MOUNTED SPEAKER / CALL SWITCH.
- SC — COMBINATION OF SPEAKER AND CLOCK
- SURFACE MOUNTED LOCAL SOUND SYSTEM SPEAKER.
- MICROPHONE OUTLET.
- VC — VOLUME CONTROL AND LOCAL SOUND SYSTEM INPUT.
- WALL MOUNTED LATERAL LOUD SPEAKER AT 10' AS SURFACE MOUNTED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH WENGER VENDOR. REFER SHEET E1.2 " TYPICAL WENGER SPEAKER DETAIL FOR ADDITIONAL INFORMATION.
- A — OVERHEAD LOUDSPEAKERAS IN-CEILING MOUNTED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH WENGER VENDOR.
- N — MICROPHONE SUSPENDED FROM CEILING APPROXIMATELY 161-18' AFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH WENGER VENDOR.

NOTE:

ALL SYMBOLS, ABBREVIATIONS, ETC... ARE GENERAL OFFICE STANDARD AND ARE NOT ALL NECESSARILY USED IN THIS PROJECT.

MOUNTING HEIGHT NOTE:

REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN.

BIDDING NOTE:

SEE DRAWING 'ME-1' FOR GENERAL NOTES, HVAC / PLUMBING / FIRE PROTECTION / ELECTRICAL COORDINATION SCHEDULE AND ADDITIONAL DETAILS APPLICABLE TO THIS TRADE'S WORK.

SECURITY / MISC.

- AC — ACCESS CONTROL.
- HO — HOLD OPEN (FIRE ALARM & LOCKDOWN). MOST OF THESE ARE FOR THE LOCKDOWN SYSTEM, HOWEVER, WHERE LOCATED AT A SMOKE / FIRE DOOR(S), THEY SHOULD BE PART OF BOTH SYSTEMS.
- CAMERA - SINGLE DOME.
- CAMERA.
- CAMERA - 4-IN-1.
- INDICATING (STROBE) SIGNAL. "A" DENOTES "AMBER" FOR LOCK DOWN, "B" DENOTES "BLUE" FOR INTERCOM IN-USE.
- KP — KEYPAD.
- IC — INTERCOM CALL STATION.
- IM — INTERCOM MASTER STATION.
- DR — DOOR RELEASE.
- DOOR CONTACT OR POSITION SWITCH.
- ES — ELECTRIC STRIKE.
- CR — CARD READER LOCATION. PROVIDE SINGLE GANG BACKBOX AT +42"A.F.F. WITH 3/4" CONDUIT STUBBED INTO "SAFE-SIDE" CEILING SPACE FOR SECURITY CABLING.

ABBREVIATIONS

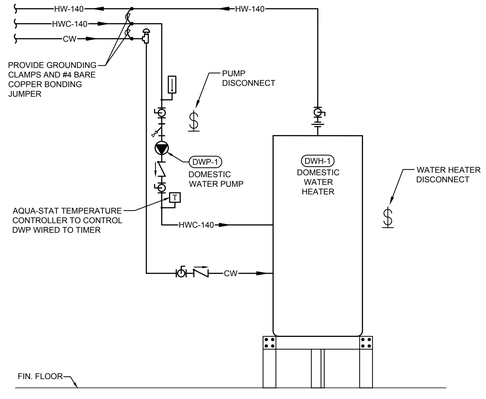
A	AMPERE
ADDT'L	ADDITIONAL
A.F.F.	ABOVE FINISH FLOOR
C.	CONDUIT
C/B	CIRCUIT BREAKER
CCT	CIRCUIT
CLG	CEILING
DIA	DIAMETER
DED	DEDICATED CIRCUIT
DISC.	DISCONNECT
DIST	DISTRIBUTION
E.C.	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX, X	EXISTING TO REMAIN
FLA	FULL LOAD AMPS
FU	FUSE
GFI, GFCI	GROUND FAULT CURRENT INTERRUPTER
GRD	GROUND
HP	HORSEPOWER
IMC	INTERMEDIATE METAL CONDUIT
J-BOX, JB	JUNCTION BOX
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
N	NEW
N.I.C.	NOT IN CONTRACT
NL	NIGHTLIGHT
N.T.S.	NOT TO SCALE
PB	PULLBOX
PNL	PANEL
REQ'D	REQUIRED
SW	SWITCH
SWBD	SWITCHBOARD
TYP	TYPICAL
V	VOLTS
VA	VOLTS - AMPERES
VR	VANDAL-RESISTANT
W	WATTS OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER
1P	SINGLE POLE
2P	TWO POLE
3P	THREE POLE
Ø, -PH	PHASE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURER & CATALOG NUMBER	REMARKS
A	6" DIAMETER LED DOWNLIGHT	RECESSED SOFFIT	1500 LUMEN PACKAGE 4000K	MVOLT	GOTHAM EV06 40/30 AR LSS WD MVOLT GZ10 TRW	
B	6" LED SELECTABLE DOWNLIGHT	RECESSED SOFFIT	SELECTABLE	120V.	LEDVANCE RT6 5A 2000 UNV SCB WH	CONTRACTOR TO MATCH DIAMETER, LUMEN OUTPUT, AND COLOR TEMPERATURE
C	4' LED PENDANT-MOUNTED STRIP LIGHT	PENDANT	4000 LUMEN PACKAGE 4000K	MVOLT	LITHONIA CLX L48 4000LM SEF RDL WD MVOLT GZ10 40K 80CRI	
D	4' LED SURFACE-MOUNTED WRAPAROUND LIGHT	SURFACE	4000 LUMEN PACKAGE 4000K	MVOLT	LITHONIA BLWP4 40L ADP EZ1 LP840	
F	WALL MOUNTED LINEAR LED	SURFACE	LED	MVOLT	LITHONIA WL4 40L EZ1 LP 840	PROVIDE WITH WALL BRACKET TO ILLUMINATE DISPLAY
	THERMOPLASTIC LED BATTERY EMERGENCY LIGHTING UNIT. 90 MINUTE. SEALED NICKEL-CADMIUM BATTERY. WHITE, COMPACT, LOW PROFILE CONTEMPORARY DESIGN. SELF-DIAGNOSTICS.	SURFACE	LED	MVOLT	LITHONIA ELM4L-UVOLT-SDRT	
EXT	EXTREME TEMPERATURE, EXTERIOR LED, EMERGENCY BATTERY LIGHTING UNIT. 90 MINUTE. SEALED NICKEL-CADMIUM BATTERY. COLOR SELECTION BY ARCHITECT, CONTEMPORARY DESIGN.	SURFACE	LED	MVOLT	LITHONIA AFB OEL DDBTXD UVOLT N WT CW	
	EMERGENCY EXIT SIGN, SINGLE OR DUAL FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS FIELD KNOCKOUT ARROWS AS REQUIRED.	TOP OR END MOUNT	LED	MVOLT	LITHONIA LQC W 1 R OR LQC W 2 R	
	EMERGENCY BATTERY LIGHT/EXIT SIGN COMBO UNIT, SINGLE OR DUAL FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS FIELD KNOCKOUT ARROWS AS REQUIRED.	TOP OR END MOUNT	LED	MVOLT	LITHONIA LHQM LED R M6	

LIGHTING FIXTURE SCHEDULE NOTES

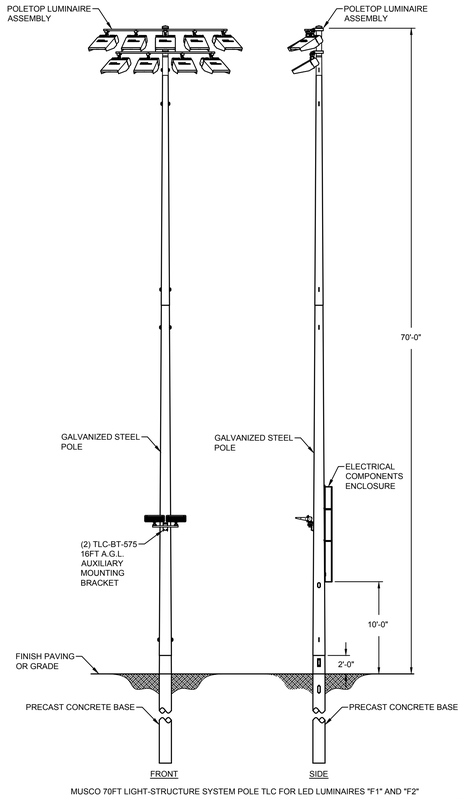
1. VERIFY COLOR TEMPERATURE OF ALL LIGHTING FIXTURES WITH ARCHITECT AND OWNER.
2. ALL LIGHT FIXTURES SHALL BE RATED FOR THE BUILDING VOLTAGE WITH MULTI-VOLT DRIVERS WHERE AVAILABLE.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND LOCATIONS.
4. CONTRACTOR SHALL SHALL PROVIDE EACH LIGHT FIXTURE COMPLETE WITH PLASTER FRAME AND ALL OTHER INSTALLATION AND HANGING HARDWARE AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION AT EACH FIXTURE LOCATION.
5. REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHT FIXTURES.
6. ALTERNATE MANUFACTURERS FOR APPROVED EQUIVALENTS WILL BE CONSIDERED FOR ALL LIGHTING FIXTURES.
7. COLOR SELECTION OF EXISTING EXTERIOR LIGHT FIXTURES WILL BE BY ARCHITECT. COLORS TO BE SELECTED FROM MANUFACTURES COLOR PALETTE.



NOTES:
1. THIS DETAIL IS GENERALLY DIAGRAMMATIC AND CONTRACTOR IS REQUIRED TO FOLLOW ALL MANUFACTURERS INSTALLATION REQUIREMENTS, GUIDELINES AND ELECTRICAL WIRING DIAGRAMS.
2. ALL ELECTRIC WIRING SHALL BE FURNISHED BY AND INSTALLED BY ELECTRICAL CONTRACTOR.
3. CONTRACTOR TO BOND WATER PIPING (COLD, HOT, HOT WATER RETURN) TOGETHER.
4. CONTRACTOR TO WIRE; TIMER, AQUA STAT, AND DOMESTIC WATER PUMP (FURNISHED WITH WATER HEATER) PER THE MANUFACTURERS INSTRUCTIONS.

DOMESTIC WATER HEATER ELECTRICAL CONNECTION DETAIL

NO SCALE



MUSCO 70FT LIGHT-STRUCTURE SYSTEM POLE TLC FOR LED LUMINAIRES "F1" AND "F2"

POLE DETAIL

NO SCALE

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PEPPER CONSTRUCTION COMPANY
413 LAKE ZURICH ROAD
BARRINGTON, IL 60010
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ISSUANCE		
NO	DATE	DESCRIPTION
	08/11/2025	ISSUED FOR BID

2026 CAPITAL IMPROVEMENTS
PRAIRIE RIDGE HIGH SCHOOL
STADIUM RENOVATION
CHSD 155 - PRAIRIE RIDGE HS
6000 DVORAK ROAD
CRYSTAL LAKE, IL 60012
ISSUED FOR BID

ELECTRICAL ABBREVIATIONS, DETAIL, SYMBOLS, AND SCHEDULE

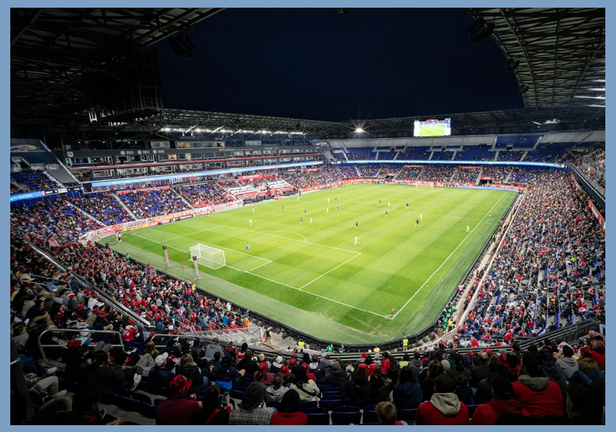
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We Make It Happen®



Red Bull Arena, Harrison, New Jersey, USA



UBS Arena, Elmont, New York, USA



Tottenham Hotspur FC Training Ground, Tottenham, London, UK



Iowa Women of Achievement Bridge, Des Moines, Iowa, USA

Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Sales Representative: Loussaint Minett · Designed By: Evan Gray · Design No.: 244779 · May 07, 2025

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Prairie Ridge High School Football Retrofit

Crystal Lake,IL

LIGHTING SYSTEM

Structure/Fixture Summary

Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Design Load	Circuit
F1-F2	70'	70'	9	TLC-LED-1500	12.57 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F3-F4	70'	70'	8	TLC-LED-1500	11.18 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
4			**42**		**52.10 kW**	

*Fixtures in this design have dimmed output values to meet design specific needs.

Circuit Summary

Circuit	Description	Design Load	Fixture Qty
A	Football	52.10 kW	42

Fixture Type Summary

Type	Circuit	Source	Avg. Wattage	Avg. Lumens	L90	L80	L70	Quantity
TLC-BT-575	A	LED 5700K - 75 CRI	575W	52,651	>120,000	>120,000	>120,000	8
TLC-LED-1500	A	LED 5700K - 75 CRI	1397W	182,194	>120,000	>120,000	>120,000	34

Single Fixture Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Fixture (max draw)						
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-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

*Amp draw based on 100% fixture output, consult design specific datasheet for adjusted amperage draw chart

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Football	Horizontal Illuminance	53.09	39	64	1.64	1.36	A	42
Home Bleachers	Horizontal	21.19	17	25	1.50	1.26	A	42
Soccer	Horizontal Illuminance	52.76	38	66	1.72	1.38	A	42
Track	Horizontal Illuminance	25.45	3	57	21.91	9.76	A	42
Track Spill @ 3ft.	Horizontal Illuminance	0.0688	0.01	0.27	24.268	6.104	A	42
Track Spill @ 5ft.	Max Candela Metric	20149.2168	1876.13	47855.79	25.508	10.740	A	42
Track Spill @ 5ft.	Max Vertical Illuminance Metric	0.2976	0.04	0.99	22.313	6.690	A	42
Visitor Bleachers	Horizontal	7.04	4	9	2.18	1.69	A	42

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

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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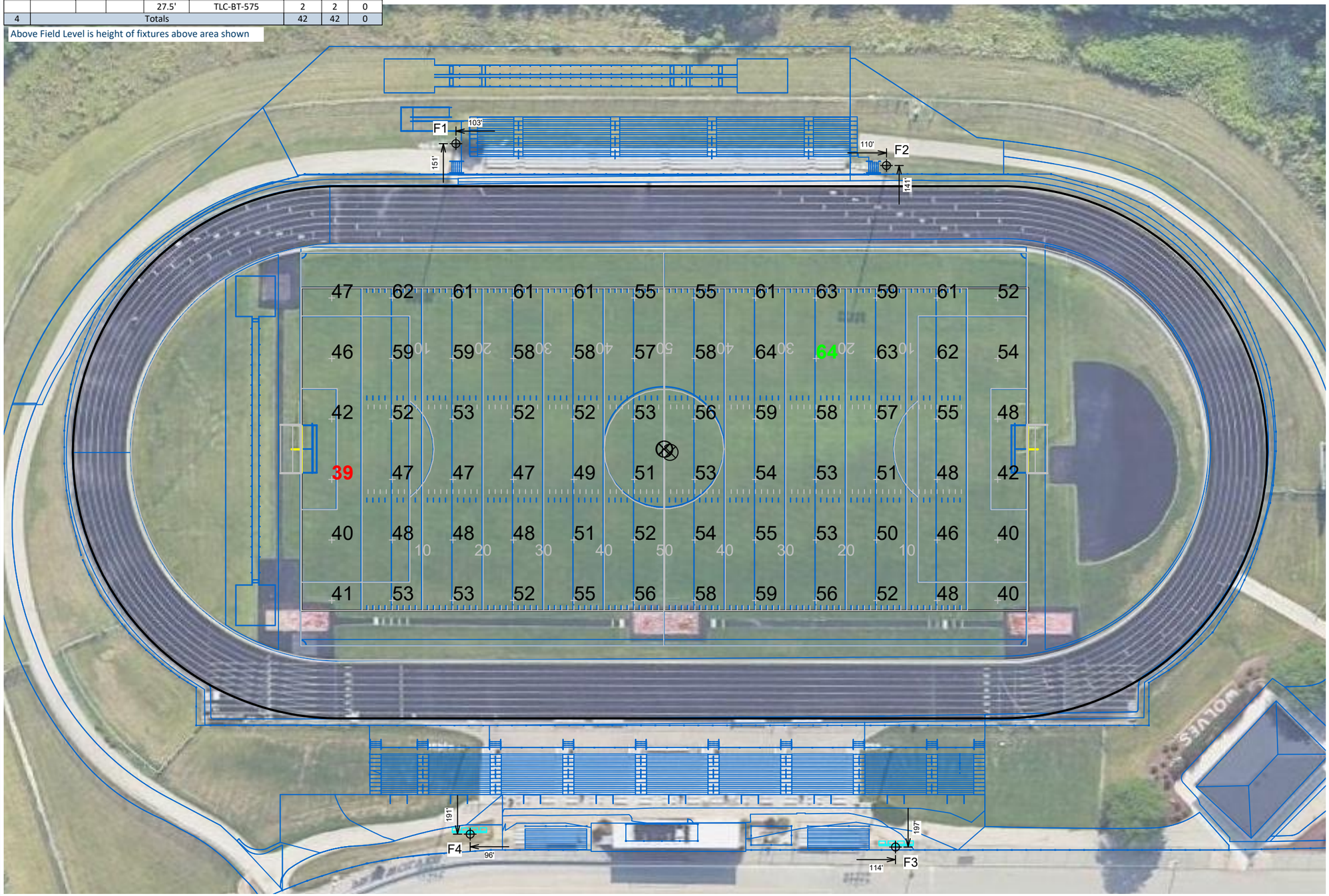
Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Equipment List For Areas Shown

Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	70'	-	70'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
2	F3-F4	70'	12'	82'	TLC-LED-1500	8	8	0
				27.5'	TLC-BT-575	2	2	0
4	Totals					42	42	0

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1 : 50

0' 50' 100'

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

ENGINEERED DESIGN By: Evan Gray • File #244779A • 07-May-25

Grid Summary

Name:	**Football**
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	**50**
Scan Average:	53.09
Maximum:	64
Minimum:	39
Avg/Min:	1.36
Guaranteed Max/Min:	**2**
Max/Min:	1.64
UG (adjacent pts):	1.31
CU:	0.52
No. of Points:	72
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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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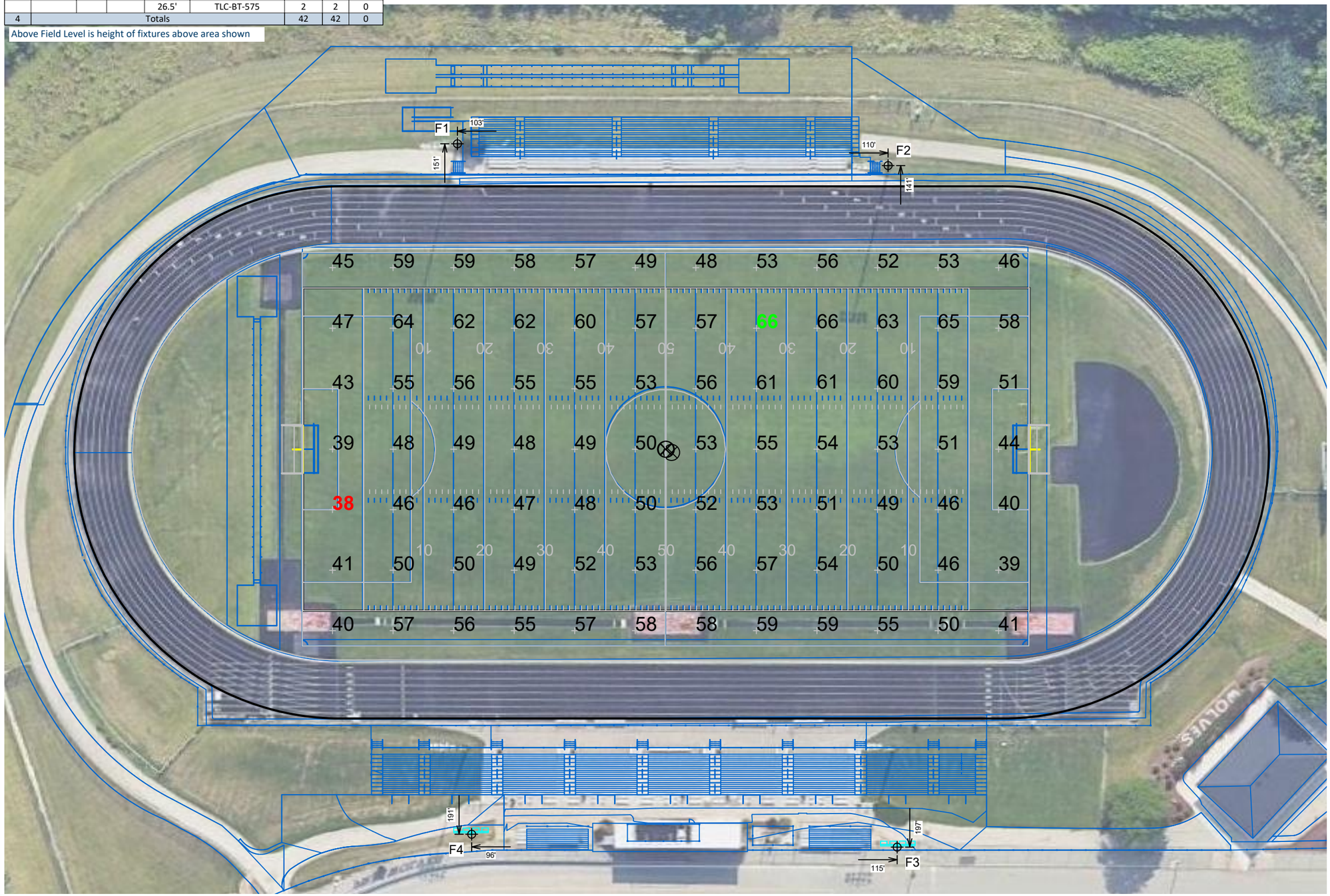
Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Equipment List For Areas Shown

Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	70'	-1'	69'	TLC-LED-1500	9	9	0
				14.5'	TLC-BT-575	2	2	0
2	F3-F4	70'	11'	81'	TLC-LED-1500	8	8	0
				26.5'	TLC-BT-575	2	2	0
4	Totals					42	42	0

Above Field Level is height of fixtures above area shown



Grid Summary

Name:	**Soccer**
Size:	360' x 195'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	Entire Grid
Guaranteed Average:	**50**
Scan Average:	52.76
Maximum:	66
Minimum:	38
Avg/Min:	1.38
Guaranteed Max/Min:	**2**
Max/Min:	1.72
UG (adjacent pts):	1.43
CU:	0.60
No. of Points:	84
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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 : 50

0' 50' 100'

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

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Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Equipment List For Areas Shown

Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	70'	-	70'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
2	F3-F4	70'	12'	82'	TLC-LED-1500	8	8	0
				27.5'	TLC-BT-575	2	2	0
4	Totals					42	42	0

Above Field Level is height of fixtures above area shown



Grid Summary

Name:	**Home Bleachers**
Size:	360' x 160'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	Entire Grid
Scan Average:	**21.19**
Maximum:	25
Minimum:	17
Avg/Min:	1.26
Max/Min:	**1.50**
UG (adjacent pts):	1.21
CU:	0.02
No. of Points:	15
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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 : 40

0' 40' 80'

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

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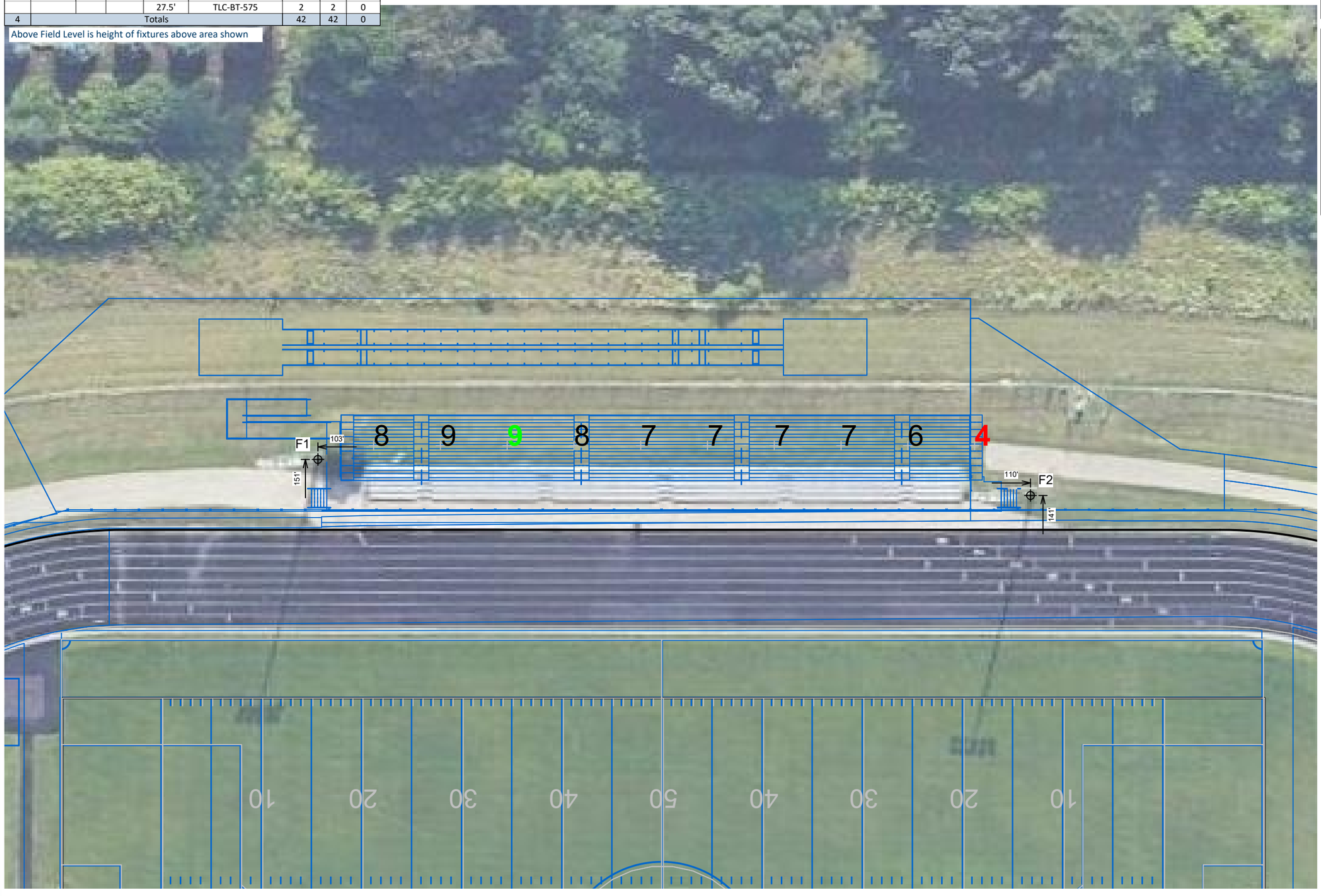
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Crystal Lake,IL

Equipment List For Areas Shown

Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	70'	-	70'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
2	F3-F4	70'	12'	82'	TLC-LED-1500	8	8	0
				27.5'	TLC-BT-575	2	2	0
4	Totals					42	42	0

Above Field Level is height of fixtures above area shown



Grid Summary

Name:	**Visitor Bleachers**
Size:	360' x 160'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	**7.04**
Maximum:	9
Minimum:	4
Avg/Min:	1.69
Max/Min:	**2.18**
UG (adjacent pts):	1.49
CU:	0.00
No. of Points:	10
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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 : 30

0' 30' 60'

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

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Equipment List For Areas Shown

Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	70'	-	70'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	2	2	0
2	F3-F4	70'	12'	82'	TLC-LED-1500	8	8	0
				27.5'	TLC-BT-575	2	2	0
4	Totals					42	42	0

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1 : 60

0' 60' 120'

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

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Crystal Lake,IL

Grid Summary

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

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	**25.45**
Maximum:	57
Minimum:	3
Avg/Min:	9.76
Max/Min:	**21.91**
UG (adjacent pts):	0.00
CU:	0.15
No. of Points:	44
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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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Grid Summary

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

Illumination Summary

INITIAL HORIZONTAL FOOTCANDLES	
	Entire Grid
Scan Average:	**0.0688**
Maximum:	0.27
Minimum:	0.01
CU:	0.00
No. of Points:	81
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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'

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

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Grid Summary

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

Illumination Summary

	INITIAL MAX VERTICAL FOOTCANDLES
	Entire Grid
Scan Average:	**0.2976**
Maximum:	0.99
Minimum:	0.04
CU:	0.00
No. of Points:	81
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 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.

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'

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

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Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Grid Summary

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

Illumination Summary

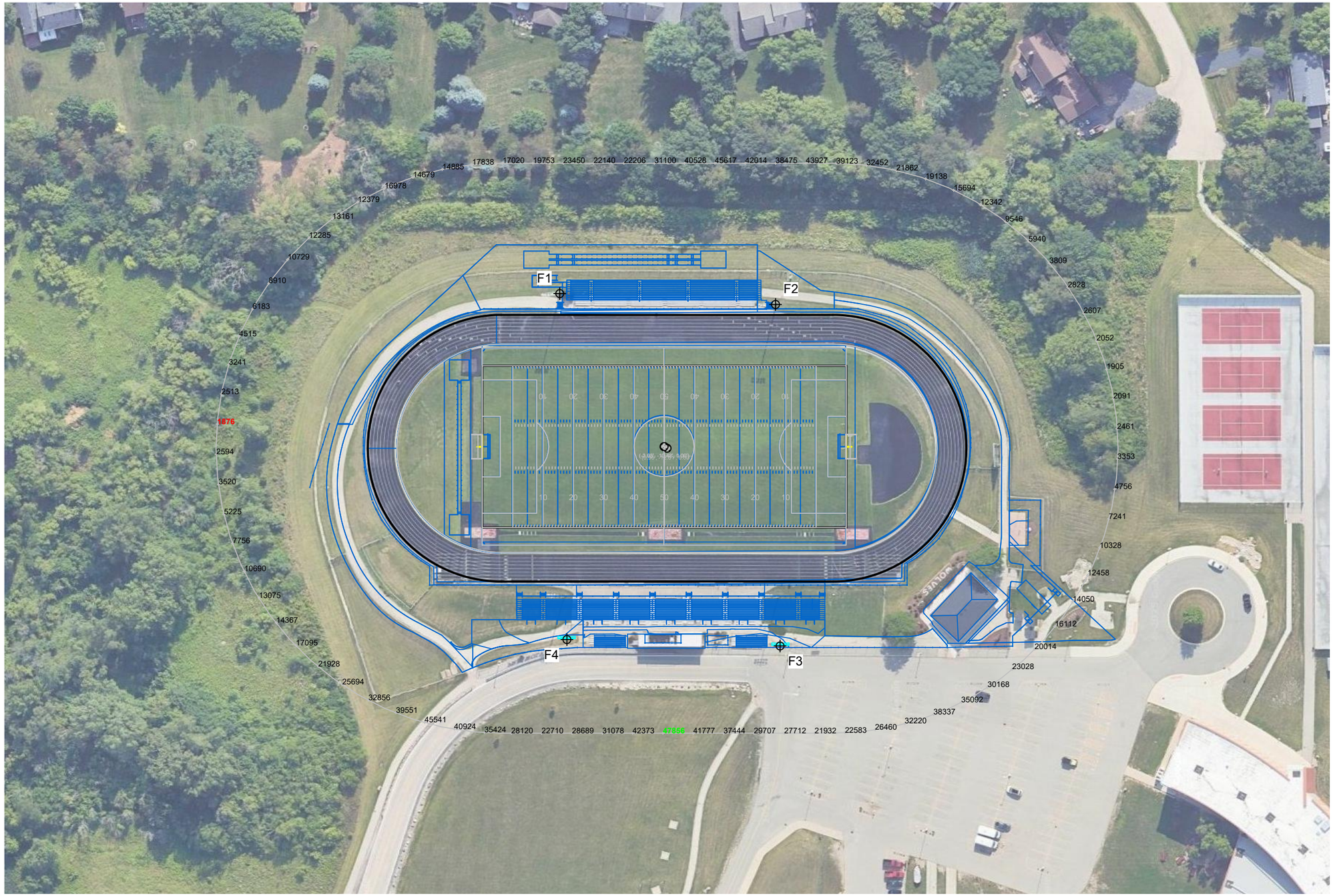
INITIAL CANDELA (PER FIXTURE)	
	Entire Grid
Scan Average:	**20149.2168**
Maximum:	47855.79
Minimum:	1876.13
CU:	0.00
No. of Points:	81
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	**42**
Total Load:	52.10 kW

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

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'

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

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Prairie Ridge High School Football Retrofit

Crystal Lake,IL

Equipment Layout

INCLUDES:
· Football
· Soccer
· Track

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

Structure				Fixtures		
QTY	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE
2	F1-F2	70'	-	70' 15.5'	TLC-LED-1500 TLC-BT-575	9 2
2	F3-F4	70'	12'	82' 27.5'	TLC-LED-1500 TLC-BT-575	8 2
4	Totals					42

Above Global Level is height of fixtures above design (0,0,0)

Single Fixture Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Fixture (max draw)						
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-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

*Amp draw based on 100% fixture output, consult design specific datasheet for adjusted amperage draw chart

SCALE IN FEET 1 : 80

0' 80' 160'

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

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PRELIMINARY FOUNDATION AND POLE ASSEMBLY DRAWING

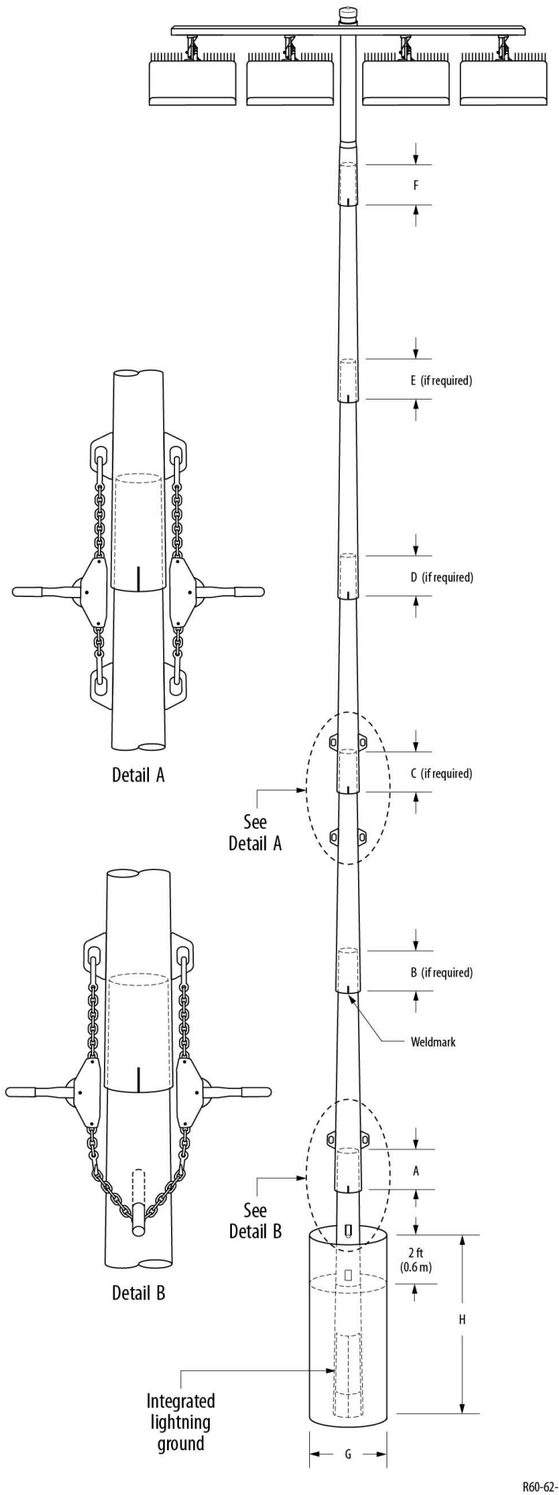


TABLE 1: POLE ASSEMBLY			
POLE ID	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT [3] lb (kg)
F3	70 (21.3)	10	2691 (1221)
F4	70 (21.3)	10	2691 (1221)

Pole Assembly Notes:

1. Steel pole should overlap concrete base and be seated tight with 1 1/2 ton come-alongs (contractor provided).
2. Align weldmarks on steel sections before assembling.
3. Assembled pole weight includes steel sections, crossarms, luminaires, and electrical components enclosures. If pole has stamped structural design then use pole weight (listed as vertical force) on stamped structural design document.
4. Section overlap must be pulled together until tight. Overlap measurement should be +/- 6 in (150 mm).
5. This document is not intended for use as an assembly instruction. See *Installation Instructions: Light-Structure System™ Lighting System* for complete assembly procedure.

TABLE 2: FOUNDATION DETAILS							
POLE ID	CONCRETE BASE WEIGHT lb(kg)	BURIAL INFORMATION [3,4] G in (mm)	H ft (m)	CONCRETE BACKFILL [1,2] yd³ (m³)	CUT BASE	LIGHTNING GROUND [5] TYPE	SUPPLEMENTAL INSTRUCTION
F3	3780 (1715)	30 (762)	14 (4.3)	1.6 (1.2)	NO	INTEGRATED [6]	N/A
F4	3780 (1715)	30 (762)	14 (4.3)	1.6 (1.2)	NO	INTEGRATED [6]	N/A

Foundation Notes:

1. Concrete backfill is calculated to 2 ft (0.6m) below grade (no overage included). Top 2 ft (0.6m) to be class 5 soil compacted to 95% density of surrounding undisturbed soil unless otherwise specified in stamped structural design.
2. Concrete backfill required 3000 lb/in² (20 MPa) minimum.
3. Foundation design per 2015 IBC, 115 mph, exposure category C, variation STD (Risk Category II).
4. Assumes IBC class 5 soils.
5. Standard bases include integrated lightning protection. If bases are cut, supplemental lightning protection is required. Contact Musco for materials and instruction.
6. Lightning protection is a manufacturer installed concrete encased electrode and connector. Ground connection is made when concrete base is installed and footing is poured. No additional steps required.

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Prairie Ridge High School Football Retrofit - Crystal Lake, IL, USA

Date: 05/20/2025	Scale: Not to Scale
Representative: Loussaint Minett	Page: 1 of 1
Project: 244779	PRELIMINARY