



MANOR COUNTRY CLUB

CBA-1658-B

**REQUEST FOR MINOR AMENDMENT
FOR LIGHTING FOR COURT**

FACILITIES

BEFORE THE BOARD OF APPEALS
OF MONTGOMERY COUNTY, MARYLAND

IN THE MATTER OF THE APPLICATION)
OF MANOR COUNTRY CLUB) Special Exception
FOR AMENDMENT OF) No. CBA-1658
A SPECIAL EXCEPTION)

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January 14, 2025

Montgomery County Board of Appeals
Council Office Building
100 Maryland Avenue
Rockville, Maryland 20850

RE: Application for Minor Amendment of Special
Exception No. CBA-1658-B;
Request for Yard Lights for
Recreational Facilities

Dear Chair Hines and Members of the Board of Appeals,

Manor County Club, Inc., the holder of Special Exception No. CBA-1658-B for a golf course and country club granted by the Board originally in 1952, is returning to the Board of Appeals for action on two related matters requiring Board of Appeals review and approval. Those two matters are described as follows.

Manor Country Club desires to increase the utility of their "Upper Tennis Courts" by installing lights to make the courts useable until 9:00PM in the evenings. The Club's three "Upper" tennis courts are identified outlined in blue on the attached aerial photograph (Item 6).

In investigating what light fixtures would best illuminate the tennis courts given the proximity of nearby residences, the club elected to install light poles that are 30 feet in height, and are to be located at positions shown on the attached "Spill Light Diagram" (Item 9). Details of the poles and light fixtures are attached as Item 7. Please note that the proposed tennis court lights are to be hooded and paneled as described hereinafter so that the light generated by the fixtures will be concentrated on the playing area and that there will be no glare or spillage from the proposed lights that would be bothersome or objectionable to surrounding neighbors.

The "Spill Light Diagram" (Item 9) shows that fixtures situated at both the three "Upper Courts" and the adjacent combination one tennis court/three pickleball courts ("Lower Courts") do not exceed 0.1 footcandles at the Club's boundary property line.

When the proposal to amend Special Exception No. CBA-1658-B to provide for lights at the three "Upper Tennis Courts" arose, Manor Club came to the realization that it had installed

yard light fixtures to illuminate the adjacent pickleball courts without first obtaining Board of Appeals approval. The installation of the lights occurred in November, 2021. In the Fall of 2021, Manor elected to replace a third tennis court, a practice court, in the array of "Lower Courts" and convert that space to three pickleball courts (See yellow outlined area on Item 6). In conjunction with that seemingly benign change in use of this hard surface area, the Club mistakenly thought that it was okay to install three light standards, 30 feet in height, to illuminate the pickleball courts for evening use. The specifications of the three poles and fixtures employed to illuminate the Lower Courts are attached as Item 8. The location of the poles, and the orientation of the light spread from the three light standards, is shown on Item 9. The Board will note that the three light fixtures installed to serve the pickleball courts do not have hoods or side panels to direct the light generated by the fixture nor to minimize "side spill" of light from the actual lamp. Although there have been no complaints from neighbors about objectionable light from the pickleball courts, the Club believes that it would be prudent, and neighborly, to retrofit the existing pickleball light fixtures with "glare shields" (top and both sides) to ensure that there will be no light from the devices that would be bothersome to neighbors. Attached is a photograph of a light fixture similar to the ones to be installed at Manor Club showing how the glare shield panels will be affixed to the existing light fixture to accomplish the intended effect. (Item 10)

This application for approval of lights for the "Upper Courts" provides an opportunity for Manor Club to retroactively secure approval for the lights for the pickleball courts. The Item 5 aerial photograph shows all the courts and their relationship with surrounding off-site features. Item 9 ("Spill Light Diagram") shows that footcandles generated by both existing and proposed lighting devices, with anti-glare panels, do not exceed 0.1 footcandles at the property boundary per Section 59-G-1.23(h) of the Zoning Ordinance.

In summary, Manor Country Club, Inc. seeks to amend special Exception No. CBA-1568-B to allow for the operation of six light fixtures to be installed around the Club's "Upper Tennis Courts" and to retroactively authorize the continued use of three pickleball courts lighting fixtures that were installed prematurely through an administrative oversight on the Club's part.

Manor believes that these modification requests can be handled as minor amendments under Section 59-G-1.3(c)(1) of the pre-October, 2014 Zoning Ordinance for the following reasons:

1. There will be no changes in Club membership, staffing, traffic to and from the club or new activities (e.g. tournaments, instructional schools) due to approval of these requests.
2. Installation of lights will allow for tennis play for up until 9:00PM additional hours during certain months of the year which is not a "substantial change in the intensity of the use".
3. Lighting and use of the pickleball courts has been ongoing since November, 2021 and the Club has received no complaints about lights being a problem for the houses located at 4223 through 4231 Great Oak Road, which are the closest residences to the Upper and Lower Courts.

4. The proposed lighting fixtures comply with the relevant standards of Section 59-G-1.23(h) of the Zoning Ordinance including both footcandle readings of 0.1 (subsection (h)(2)) and spill and glare shielding provisions (subsection(h)(1)).

Therefore this request for minor amendments does not substantially change the nature, character or intensity of the use and does not substantially change the effect on traffic nor on the immediate surrounding neighborhood. For that reason, these requests can be treated as an administrative modification and can be approved without a scheduled public hearing.

In support of this Petition request for a minor amendment, Manor has enclosed a current listing of appropriate persons and parties to receive a copy of the Board's decision as well as a filing fee check. The back up information supporting the footcandle readings shown on the Spill Light Diagram is more than 60 pages long and a single copy is attached as an Appendix for review by the Board members if they are interested but a copy is not recommended to be distributed to each Board member because of the size and length of the document.

Thank you for your consideration of this application for a minor amendment of case No. CBA-1568-B.

Sincerely,

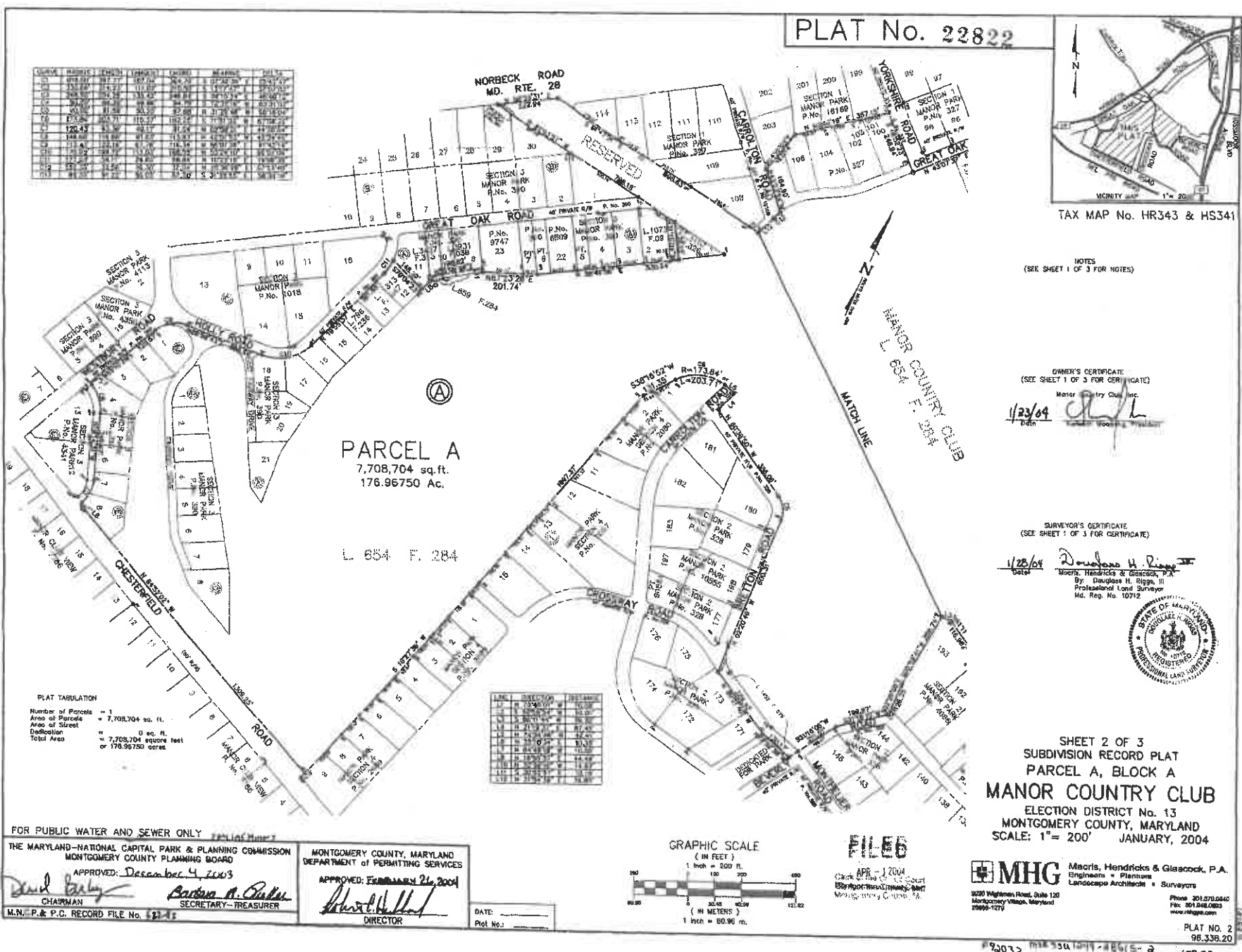
MILLER, MILLER & CANBY

A handwritten signature in black ink that reads "Jody Kline". The signature is written in a cursive, slightly stylized font.

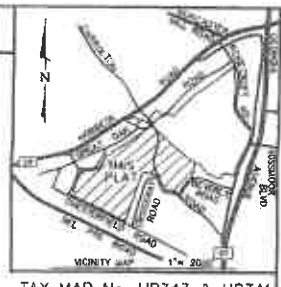
Jody S. Kline

cc: James Fangmeyer
Susan Pelletier
Alec Hill

MONTGOMERY COUNTY CIRCUIT COURT (Subdivision Plat), MD, Plat No. 22822-22823, M&S, S1818, Date available: 2004/04/01, Printed: 04/05/2004.



| Parcel No. | Area (sq. ft.) | Area (Acres) | Owner |
|------------|----------------|--------------|------------|
| 1 | 1000 | 0.023 | Manor Park |
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| 98 | 1000 | 0.023 | Manor Park |
| 99 | 1000 | 0.023 | Manor Park |
| 100 | 1000 | 0.023 | Manor Park |



TAX MAP No. HR343 & HS341

NOTES (SEE SHEET 1 OF 3 FOR NOTES)

DRAWER'S CERTIFICATE (SEE SHEET 1 OF 3 FOR CERTIFICATE)

Manor Country Club, Inc.

1/23/04 Date

SURVEYOR'S CERTIFICATE (SEE SHEET 1 OF 3 FOR CERTIFICATE)

1/23/04 Date

Daouglas H. Riggs, II

Professional Land Surveyor

Md. Reg. No. 10712



SHEET 2 OF 3
 SUBDIVISION RECORD PLAT
 PARCEL A, BLOCK A
 MANOR COUNTRY CLUB
 ELECTION DISTRICT No. 13
 MONTGOMERY COUNTY, MARYLAND
 SCALE: 1" = 200' JANUARY, 2004

FOR PUBLIC WATER AND SEWER ONLY

THE MARYLAND-NATIONAL CAPITAL PARK & PLANNING COMMISSION
 MONTGOMERY COUNTY PLANNING BOARD

APPROVED: December 4, 2003

DAVID BAILEY CHAIRMAN

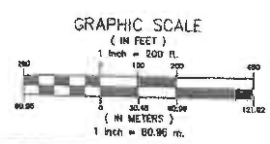
BARBARA A. PALER SECRETARY-TREASURER

MONTGOMERY COUNTY, MARYLAND
 DEPARTMENT OF PERMITTING SERVICES

APPROVED: February 26, 2004

DATE: _____

Plat No: _____



FILED

APR - 1 2004

CLERK OF THE CIRCUIT COURT

MONTGOMERY COUNTY, MD

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners
 Landscape Architects • Surveyors

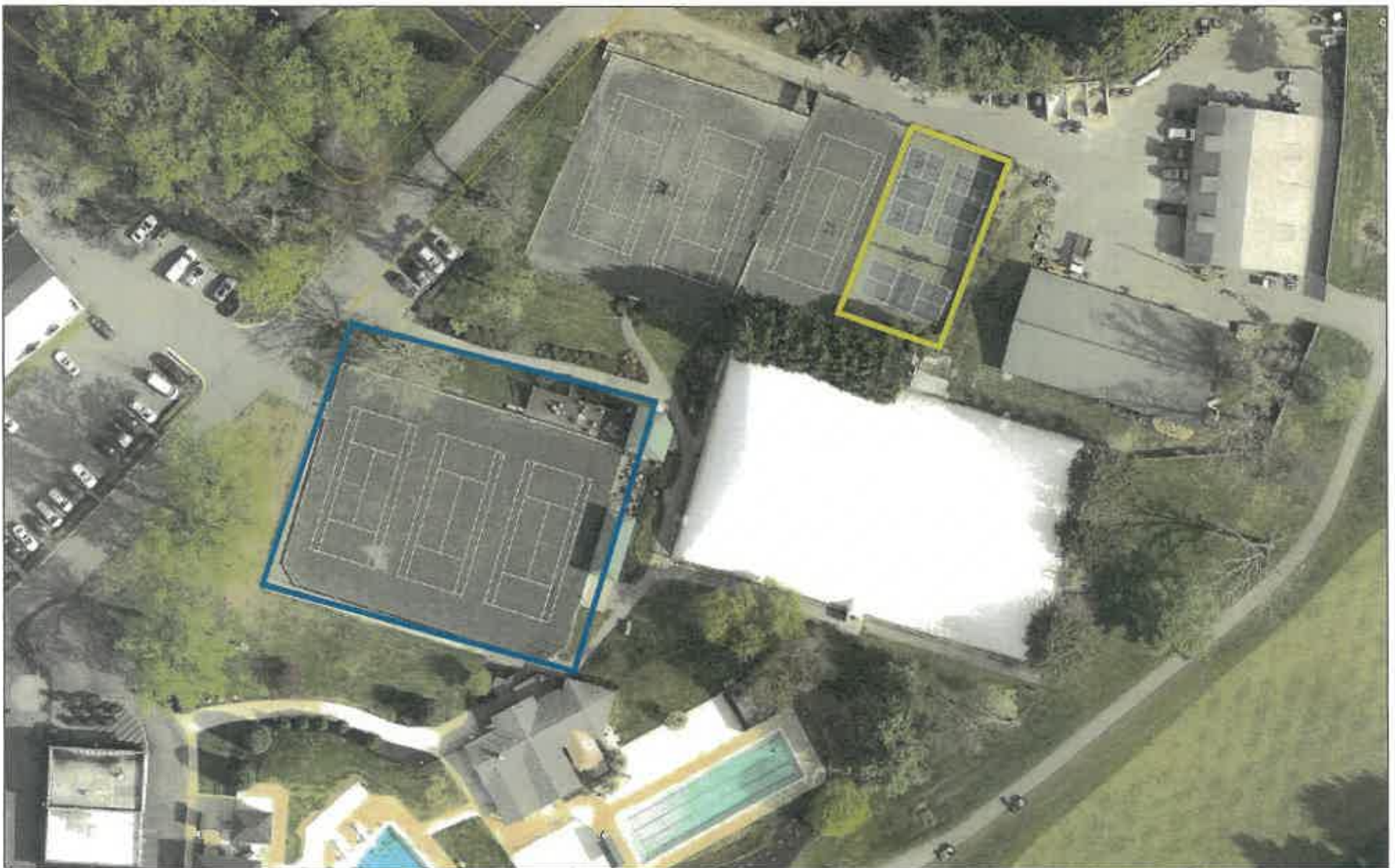
3220 Nightingale Road, Suite 120
 Montgomery Village, Maryland
 20886-1272

Phone: 301.271.2840
 Fax: 301.271.0883
 www.mhga.com






PLAT No. 2
 96.338.20

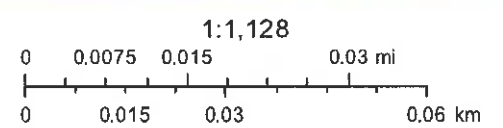


MC Atlas Webmap



1/10/2025, 11:25:30 AM

-  Property_poly_with_data
-  Green: Band_2
-  Blue: Band_3
-  Red: Band_1
-  SoftLines



MCG GIS ESRI Pictometry
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS,

**SPECIFICATIONS FOR UPPER
COURT LIGHT FIXTURES**



VISION-SMART PERFORMANCE RT410FL-SERIES SPORTS / INDUSTRIAL MID-MAST LIGHTING

Project Name: Manor Country Club

Prepared by :

Date: 9/26/2022

Mledtech™ products deliver light that improves human performance. Vision-Smart Performance RT410FL-Series is an Olympic quality, HDTV compatible light for any world class indoor / outdoor venue and is exceptionally well suited for tennis and skeet facilities. The RT410FL-Series is an ideal solution for professional sports lighting, but affordable enough for recreational, high school, college and semi-professional sports venues as well. RT410FL-Series is designed to replace 400 - 1,000 watt HID lights at heights from 20' to 50', and is equally suitable at airports, seaports and other industrial facilities. These luminaires deliver maintenance-free lighting with the industry's greatest visual comfort and highest output at the target.

TECHNICAL ADVANTAGES

COB Light Engine Technology

Our COB light engine creates the least glare, ghosting, and shadowing in the industry. The light produced by COB is more akin to a traditional HID luminaire. SMD LED driven light produce hundreds of laser beams, each creating glare and shadows on the object making it more fatiguing and difficult for athletes and workers to identify the true location of a moving object.



Proprietary Glass Lens

Unlike polycarbonate lenses used widely by competitors, our proprietary glass Fresnel lens is designed to reduce glare, achieves 96% light transmission, and will not yellow over time. This results in light transmission that will not change over the lifetime of the fixture.



Proprietary Reflector

The COB chip is recessed deep into the polished aluminum reflector ensuring that minimal spillage occurs outside of the intended target. In contrast, the typical PC lens over the hundreds of SMD chips does not create a physical barrier to control light spillage. This difference contributes to the excess glare of SMD and PC lens technology.



Construction

The rugged die cast aluminum tested to IK08, tempered proprietary glass, IP66 ingress protection, powder coat finish, stainless fasteners and silicone gasketing ensures performance in harsh and corrosive



HDTV Broadcast Compatible

Our driver flicker rate is less than 2% making RT410FL-Series ready for HDTV broadcasting. Minimization of shadowing and ghosting from our COB light engine is crucial with high FPS video and slow motion replay.

PRODUCT DATA



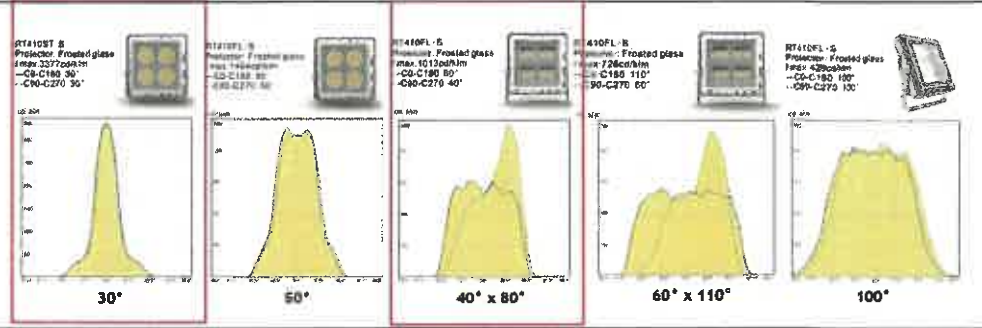
| Mid Mast - 20 to 50 FT Above Grade | | RT410FL-160W | RT410FL-200W | RT410FL-260W |
|------------------------------------|-----------|---|----------------------|----------------------|
| Wattage | Watts | 160 | 200 | 260 |
| Replaces Existing (HID) | Watts | 250 - 400 | 400 - 750 | 750 - 1000 |
| Light Output | Lumens | 20,800 | 26,000 | 33,800 |
| Fixture Efficacy | Lm / Watt | 130 | 130 | 130 |
| Color Rendering Index | Ra | 70-95 | 70-95 | 70-95 |
| L" X W" X H" | Inches | 15.8" X 15.8" X 6.8" | 15.8" X 15.8" X 6.8" | 15.8" X 15.8" X 6.8" |
| Fixture Weight | lbs. | 22.5 | 22.5 | 22.5 |
| Driver Weight | lbs. | 7.0 | 7.0 | 7.0 |
| EPA | ft² | 1.4 | 1.4 | 1.4 |
| LED Brand | Brand | Bridgelux or Equal | | |
| LED Driver | Brand | Inventronics or Equal | | |
| Input Voltage | VAC | 110VAC - 277VAC 347VAC - 480VAC | | |
| Input Frequency | HZ | 50HZ 60HZ | | |
| Operating Temperature | F | -40°F to 122°F | | |
| IP Rating | IP | IP66 | | |
| Power Factor | PF | 0.96 | | |
| Lifespan | Hrs | >100,000 Hrs at L90 | | |
| Warranty | Years | 10 Years | | |
| Certification | | UL DLC TUV ROHS CE | | |
| DLC Categorization: | | Outdoor Luminaires Very High Output Architectural Flood and Spot Luminaires | | |
| Fixture Color | | Black Gray (RAL 7035) | | |
| Surge Protection | KVA | 6KVA (Standard) Integrated in Driver 10KVA (Optional) | | |
| Controls | | 0-10 VDC Dimming DMX Control | | |

ORDERING INFORMATION

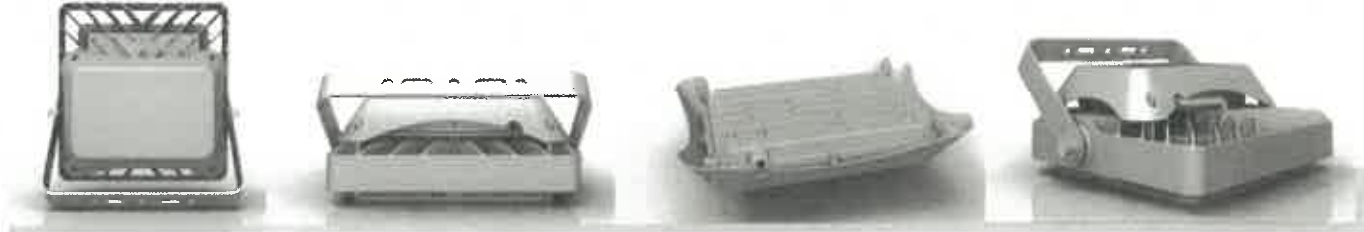
| Quantity | Model | CCT | Input Voltage | Beam Angle | Surge Protection | Fixture Color | Controls | Mounting | Driver Location |
|----------|--|-------------|-------------------|------------------|------------------|---------------|-------------|-------------------|--------------------|
| | RT410FL-160W | 40K - 4000K | S - 110 to 277VAC | 30 - 30° | 6KV - Standard | G - Gray | 0 - None | 1 - Yoke Bracket | FM - Fixture Mount |
| | RT410FL-200W | 45K - 4500K | H - 347 to 480VAC | 50 - 50° | 10KV - 10KVA | B - Black | 1 - 0-10VDC | 2 - 2" Slipfitter | RM - Remote Mount |
| | RT410FL-260W | 50K - 5000K | | 48 - 40° x 80° | | | 2 - DMX | 3 - Top Mount | |
| | | 57K - 5700K | | 611 - 60° x 110° | | | | 4 - 4" Slipfitter | |
| | | | | 100 - 100° | | | | | |
| Quantity | Example Order Code - RT410FL-260W-57K-H-30-10KV-G-0-1-FM | | | | | | | | |
| 18 | RT410FL-260W | 57K | S | 48 | 6KV | B | 0 | 1 | FM |
| 4 | RT410FL-260W | 57K | S | 30 | 6KV | B | 0 | 1 | FM |

BEAM ANGLES

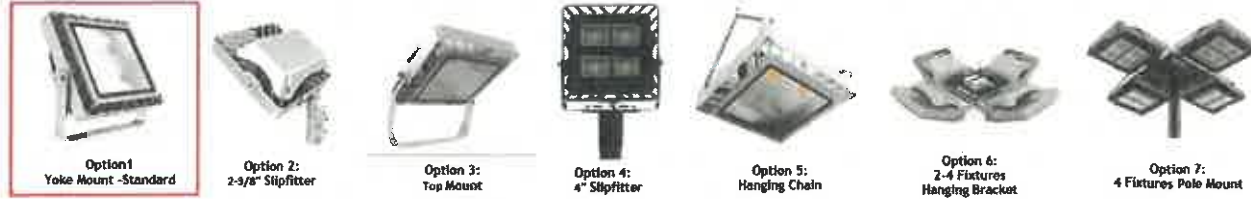
An Industry First - Multiple Beam Angles in a Single Fixture The RT410FL-Series uses modular reflectors allowing each fixture to be manufactured with more than one beam angle. This is a unique advantage to the M-Series. A single fixture can illuminate far, wide and close which requires fewer fixtures to create higher uniformity.



IMAGES AND DETAILS

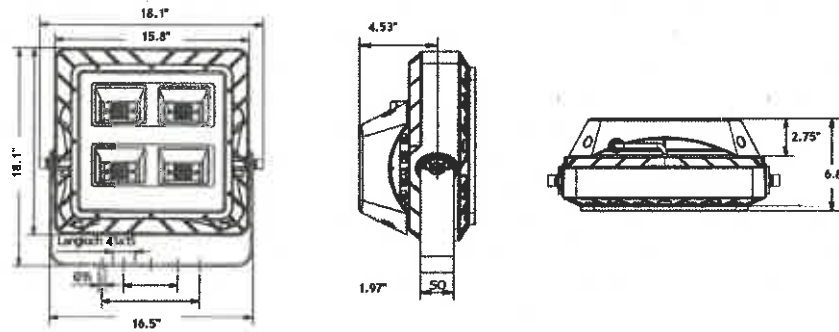


MOUNTING OPTIONS



DIMENSIONS (Inch/mm)

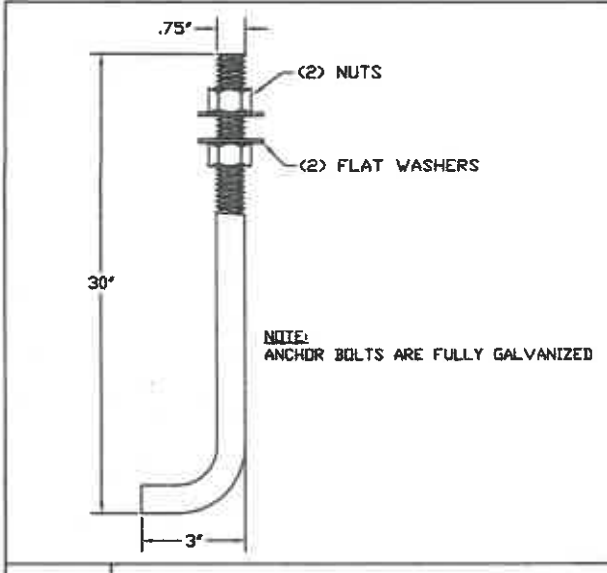
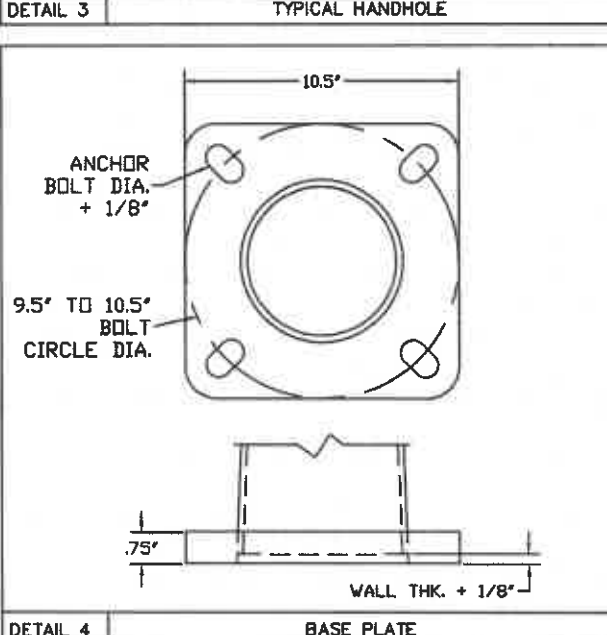
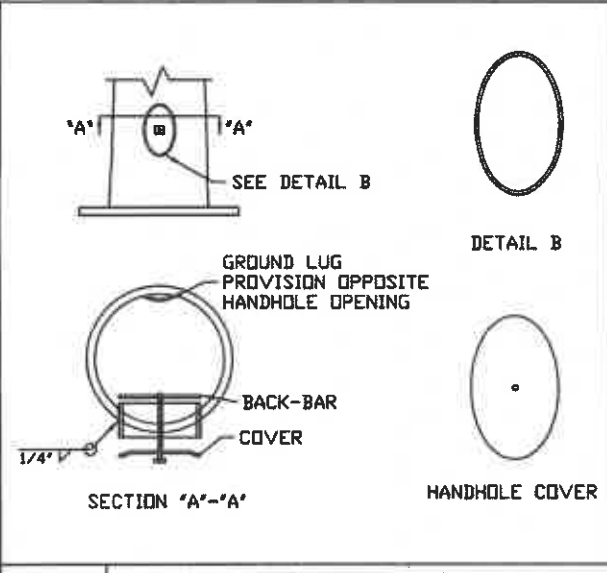
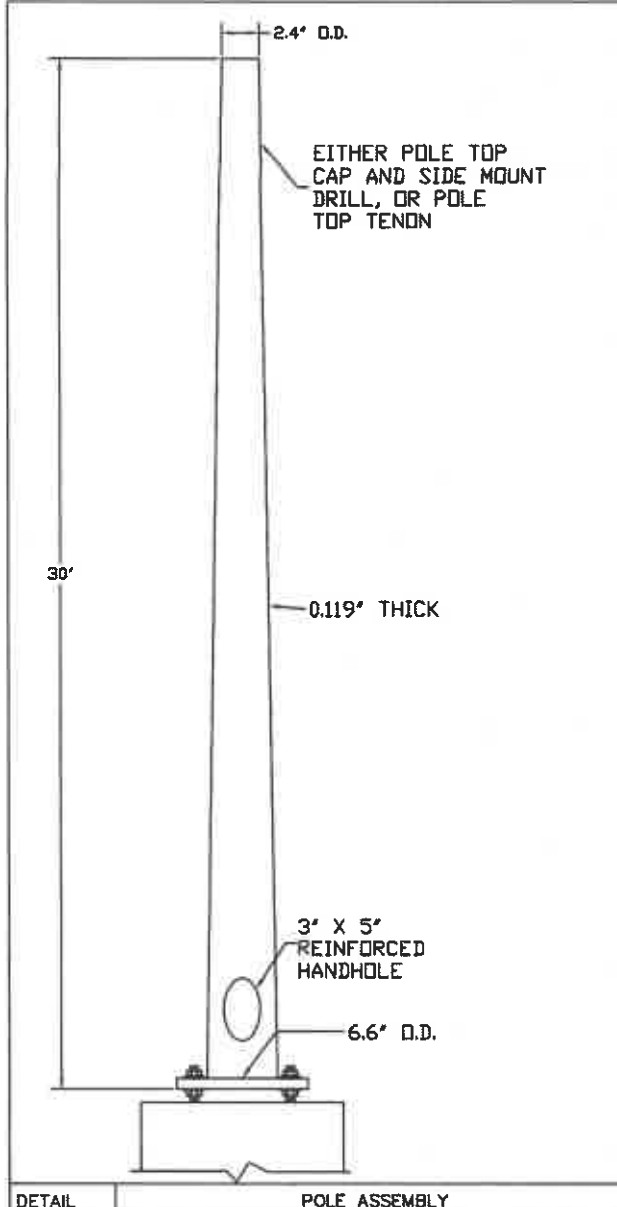
Model No: RT410FL



NOTES

1. The specifications listed were obtained under optimal testing conditions. Changes in conditions may result in slightly different performance.
2. Driver can provide full range dimming capability across a wide array of 0-10V dimming systems. We cannot guarantee compatibility with all dimming control systems from all manufacturers without actual testing.
3. Weight may vary depending on mounting bracket selection.





| COMPONENT | SPECIFICATION |
|--------------|-------------------|
| POLE SHAFT | ASTM A500 GR.B |
| MISC. STEEL | ASTM A36 |
| ANCHOR BOLTS | ASTM F1554 GR. 55 |
| BASE PLATE | ASTM A36 |

GENERAL NOTES:

- ALL HARDWARE TO BE GALVANIZED TO ASTM A153.
- POLE ASSEMBLY TO BE GALVANIZED TO ASTM A123.
- ALL WELDING TO CONFORM TO AWS D1.1 MOST RECENT EDITION.
- DESIGN INCORPORATE GUST FACTOR PER REF CODE.
- REFER TO GENERAL INSTALLATION INSTRUCTIONS PRIOR TO ASSEMBLY.

FINISH: GALVANIZED PAINTED PAINTED & GALV

WIND SPEED: 80 MPH 90 MPH 100 MPH 110 MPH 120 MPH ___ MPH

DESIGN CRITERIA: AASHTO LTS 3 ASCE AASHTO LTS 6 DSA IBC UBC

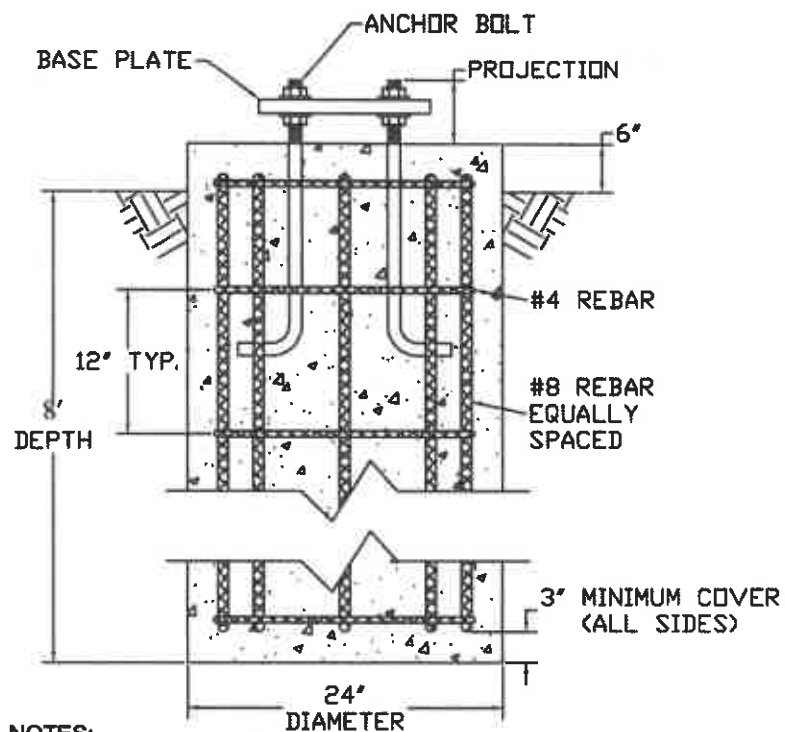
| LOADING DATA | | | |
|--------------|---------|---------|---------|
| 90 MPH | 100 MPH | 110 MPH | 120 MPH |
| 12' EPA | 10' EPA | 9' EPA | 8' EPA |
| 300 LBS | 250 LBS | 225 LBS | 200 LBS |

MSM
 Meiers Sales and Marketing, LLC
 2316 WEAVER ST.
 HALTOM CITY, TX 76117
 METRO (817) 834-5538
 TOLL FREE (866) 724-4527
 FAX (817) 831-6088

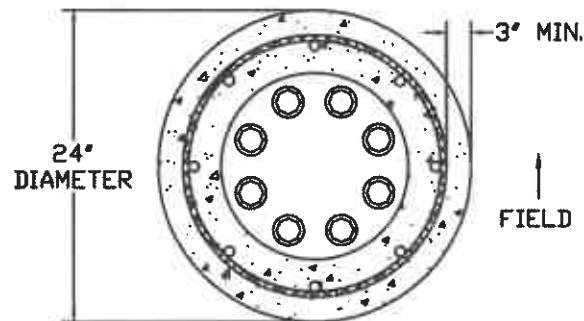
| | | | |
|-----------------|-----------|----------|---------------|
| DATE: | REV.: | JOB NO.: | SCALE: |
| | 00 | N/A | NTS |
| DRAWING NUMBER: | DRAWN BY: | | QUOTE NUMBER: |
| MRT3066AB | DR | | N/A |

DETAIL 2 MATERIAL SPECIFICATIONS

NOT FOR CONSTRUCTION
FOR ESTIMATION ONLY



- DESIGN ASSUMPTIONS:
1. NON-COHESIVE SOIL
 2. $\phi = 38^\circ$ MIN.
 3. EFFECTIVE UNIT WEIGHT = 110 PCF MIN.
 4. SITE GRADE IS 7H : 1 V OR FLATTER
 5. WATER TABLE BELOW FOUNDATION



NOTES:

- IF ACTUAL SUBSURFACE CONDITIONS DIFFER FROM THOSE ASSUMED ABOVE OR IF THE POLE CALCULATIONS ARE REVISED THEN THE DESIGN MUST BE REVIEWED PRIOR TO ANY CONCRETE PLACEMENT.
- FOUNDATION TO BE CAST AGAINST UNDISTURBED SOIL.
- REBAR IS ASTM A615 GRADE 60 DEFORMED BARS. CONCRETE HAS MINIMUM 28 DAY COMPRESSIVE STRENGTH (f_c) = 3000 PSI.
- ANY NECESSARY CONDUIT LAYOUT IS NOT SHOWN.
- IF THIS DESIGN DIFFERS FROM ANY OTHER PROJECT SPECIFICATION OR REQUIREMENT THEN THE MORE DEMANDING REQUIREMENT WILL APPLY.

MSM

Makers Sales and Marketing, LLC

PO BOX 14537
HALTOM CITY, TX 76117
METRO (817) 834-5538
TOLL FREE (866) 724-4527
FAX (817) 831-6088

DATE:

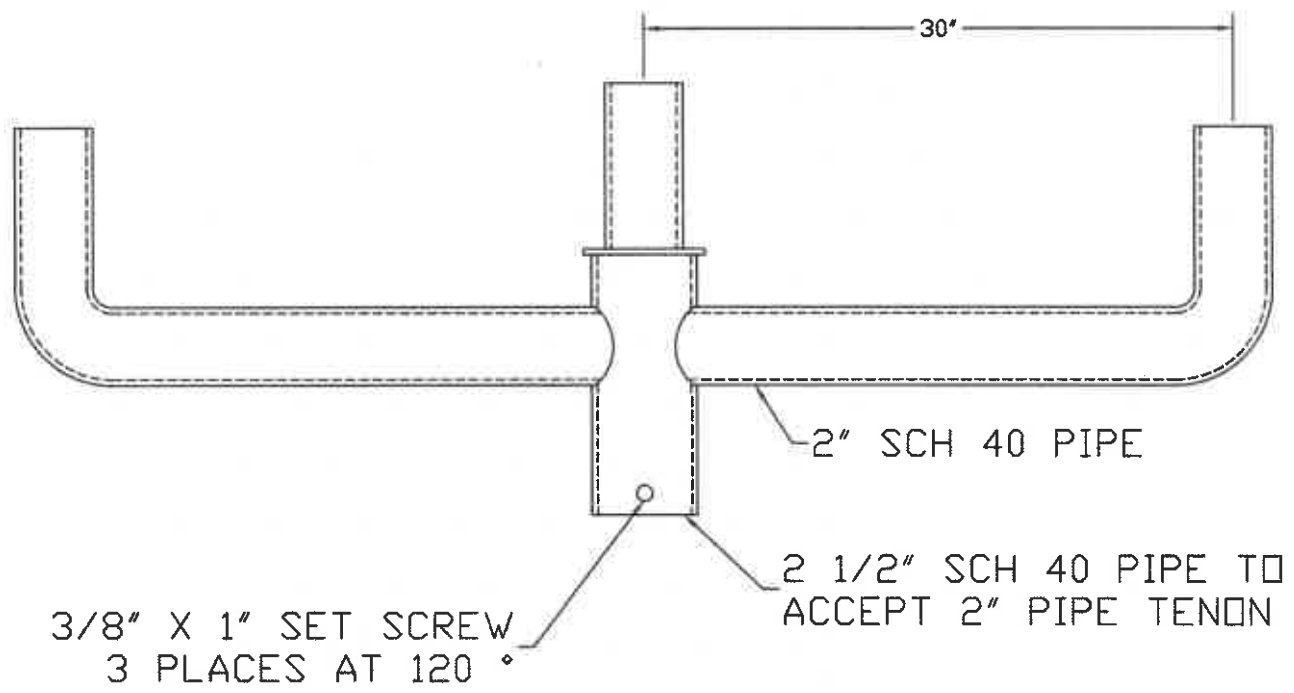
REV.:

CHECKED BY:

DRAWING NUMBER:
30' FD

DRAWN BY:
TRH

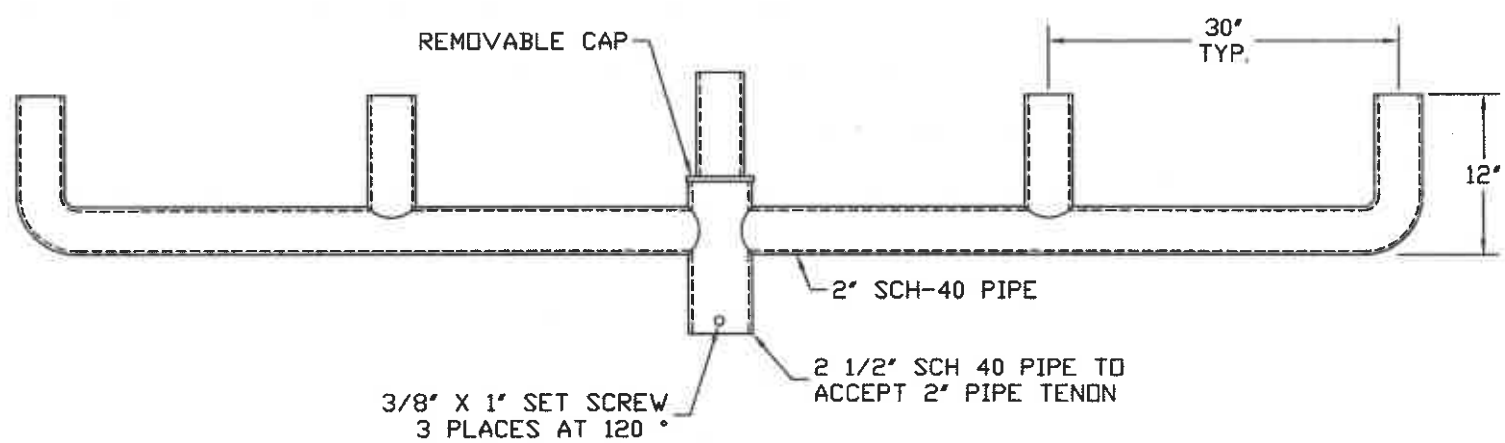
30' POLE FOUNDATION



2316 WEAVER ST.
 HALTOM CITY, TX 76117
 METRO (817) 834-5538
 TOLL FREE (866) 724-4527
 FAX (817) 831-6088

| | | |
|--------------------------|------------------|--------------------|
| DATE: N/A | REV.: 00 | CHECKED BY: N/A |
| DRAWING NUMBER: BH603 | DRAWN BY: MAO | |

BH603



BSF

RAB



Project:

Type:

Prepared By:

Date:

Heavy duty brackets support our heaviest flood lights.

Color: Bronze

Weight: 4.7 lbs

Technical Specifications

Construction

Adapter:
2 3/8" slip fitter adapter

EPA Rating:
0.2

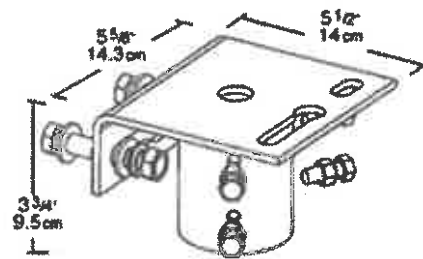
Max Weight:
40 lbs

Other

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



**SPECIFICATIONS FOR
PICKLEBALL COURT
LIGHT FIXTURES**



VISION-SMART PERFORMANCE RT410FL-SERIES SPORTS / INDUSTRIAL MID-MAST LIGHTING

Project Name: Manor Country Club - Additional Light
Prepared by: Alec Hill
Date: 10/8/2021

Mledtech™ products deliver light that improves human performance. Vision-Smart Performance RT410FL-Series is an Olympic quality, HDTV compatible light for any world class indoor / outdoor venue and is exceptionally well suited for tennis and sket facilities. The RT410FL-Series is an ideal solution for professional sports lighting, but affordable enough for recreational, high school, college and semi-professional sports venues as well. RT410FL-Series is designed to replace 400 - 1,000 watt HID lights at heights from 20' to 50', and is equally suitable at airports, seaports and other industrial facilities. These luminaires deliver maintenance-free lighting with the industry's greatest visual comfort and highest output at the target.

TECHNICAL ADVANTAGES

COB Light Engine Technology

Our COB light engine creates the least glare, ghosting, and shadowing in the industry. The light produced by COB is more akin to a traditional HID luminaire. SMD LED driven light: produce hundreds of laser beams, each creating glare and shadows on the object making it more fatiguing and difficult for athletes and workers to identify the true location of a moving object.



Proprietary Glass Lens

Unlike polycarbonate lenses used widely by competitors, our proprietary glass Fresnel lens is designed to reduce glare, achieves 96% light transmission, and will not yellow over time. This results in light transmission that will not change over the lifetime of the fixture.



Proprietary Reflector

The COB chip is recessed deep into the polished aluminum reflector ensuring that minimal spillage occurs outside of the intended target. In contrast, the typical PC lens over the hundreds of SMD chips does not create a physical barrier to control light spillage. This difference contributes to the excess glare of SMD and PC lens technology.



Construction

The rugged die cast aluminum tested to IK08, tempered proprietary glass, IP66 ingress protection, powder coat finish, stainless fasteners and silicone gasketing ensures performance in harsh and corrosive



HDTV Broadcast Compatible

Our driver flicker rate is less than 2% making RT410FL-Series ready for HDTV broadcasting. Minimization of shadowing and ghosting from our COB light engine is crucial with high FPS video and slow motion replay.

PRODUCT DATA



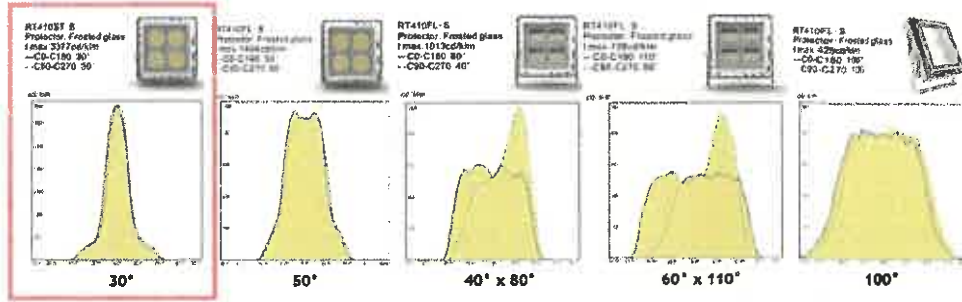
| Mid Mast - 20 to 50 FT Above Grade | | RT410FL-160W | RT410FL-200W | RT410FL-260W |
|------------------------------------|-----------|---|----------------------|----------------------|
| Wattage | Watts | 160 | 200 | 260 |
| Replaces Existing (HID) | Watts | 250 - 400 | 400 - 750 | 750 - 1000 |
| Light Output | Lumens | 20,800 | 26,000 | 33,800 |
| Fixture Efficacy | Lm / Watt | 130 | 130 | 130 |
| Color Rendering Index | Ra | 70-95 | 70-95 | 70-95 |
| L" X W" X H" | Inches | 15.8" X 15.8" X 6.8" | 15.8" X 15.8" X 6.8" | 15.8" X 15.8" X 6.8" |
| Fixture Weight | lbs. | 22.5 | 22.5 | 22.5 |
| Driver Weight | lbs. | 7.0 | 7.0 | 7.0 |
| EPA | ft² | 1.4 | 1.4 | 1.4 |
| LED Brand | Brand | Bridgelux or Equal | | |
| LED Driver | Brand | Inventronics or Equal | | |
| Input Voltage | VAC | 110VAC - 277VAC 347VAC - 480VAC | | |
| Input Frequency | HZ | 50HZ 60HZ | | |
| Operating Temperature | F | -40°F to 122°F | | |
| IP Rating | IP | IP66 | | |
| Power Factor | PF | 0.96 | | |
| Lifespan | Hrs | >100,000 Hrs at L90 | | |
| Warranty | Years | 10 Years | | |
| Certification | | UL DLC TUV ROHS CE | | |
| DLC Categorization: | | Outdoor Luminaires Very High Output Architectural Flood and Spot Luminaires | | |
| Fixture Color | | Black Gray (RAL 7035) | | |
| Surge Protection | KVA | 6KVA (Standard) Integrated in Driver 10KVA (Optional) | | |
| Controls | | 0-10 VDC Dimming DMX Control | | |

ORDERING INFORMATION

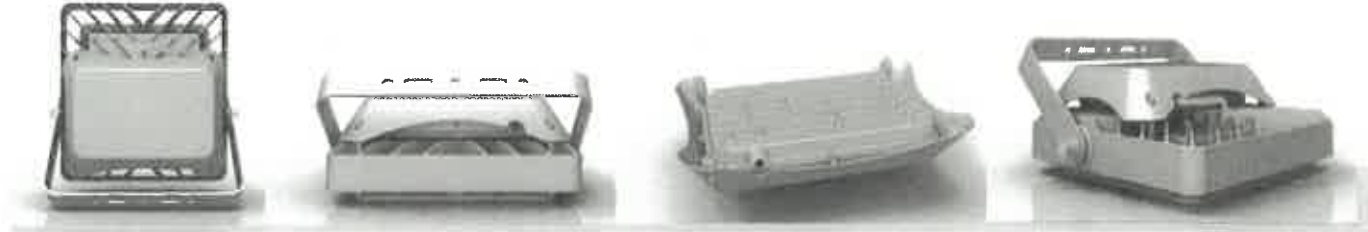
| Model | CCT | Input Voltage | Beam Angle | Surge Protection | Fixture Color | Controls | Mounting | Driver Location | |
|--------------|--|-------------------|------------------|------------------|---------------|-------------|-------------------|--------------------|----|
| RT410FL-160W | 40K - 4000K | S - 110 to 277VAC | 30 - 30° | 6KV - Standard | G - Gray | 0 - None | 1 - Yoke Bracket | FM - Fixture Mount | |
| RT410FL-200W | 45K - 4500K | H - 347 to 480VAC | 50 - 50° | 10KV - 10KVA | B - Black | 1 - 0-10VDC | 2 - 2" Slipfitter | RM - Remote Mount | |
| RT410FL-260W | 50K - 5000K | | 48 - 40° x 80° | | | 2 - DMX | 3 - Top Mount | | |
| | 57K - 5700K | | 611 - 60° x 110° | | | | 4 - 4" Slipfitter | | |
| | | | 100 - 100° | | | | | | |
| Quantity | Example Order Code - RT410FL-260W-57K-H-30-10KV-G-0-1-FM | | | | | | | | |
| 1 | RT410FL-260W | 57K | S | 30 | 6KV | B | 0 | 1 | FM |

BEAM ANGLES

An Industry First - Multiple Beam Angles in a Single Fixture The RT410FL-Series uses modular reflectors allowing each fixture to be manufactured with more than one beam angle. This is a unique advantage to the M-Series. A single fixture can illuminate far, wide and close which requires fewer fixtures to create higher uniformity.



IMAGES AND DETAILS

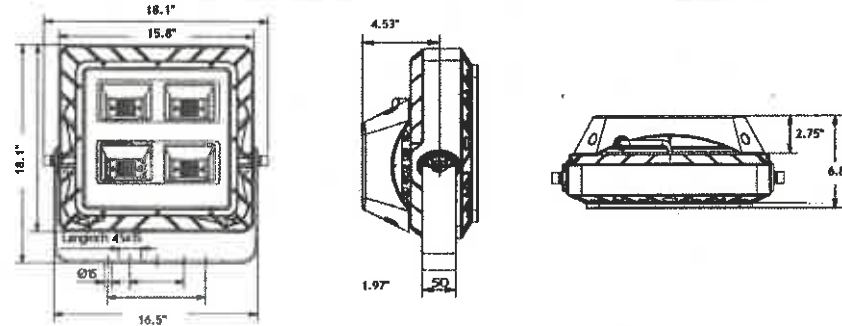


MOUNTING OPTIONS



DIMENSIONS (Inch/mm)

Model No: RT410FL



NOTES

1. The specifications listed were obtained under optimal testing conditions. Changes in conditions may result in slightly different performance.
2. Driver can provide full range dimming capability across a wide array of 0-10V dimming systems. We cannot guarantee compatibility with all dimming control systems from all manufacturers without actual testing.
3. Weight may vary depending on mounting bracket selection.



BSF

RAB



Project:

Type:

Prepared By:

Date:

Heavy duty brackets support our heaviest flood lights.

Color: Bronze

Weight: 4.7 lbs

Technical Specifications

Construction

Adapter:

2 3/8" slip fitter adapter

EPA Rating:

0.2

Max Weight:

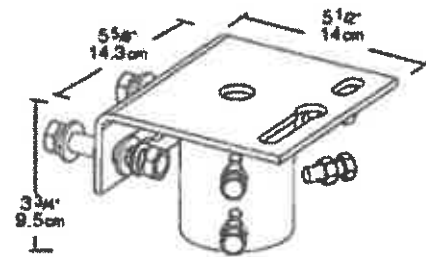
40 lbs

Other

Buy American Act Compliance:

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Dimensions



BULL4



| | | | |
|---------------------|----------------------|--------------|----------------------|
| Project: | <input type="text"/> | Type: | <input type="text"/> |
| Prepared By: | <input type="text"/> | Date: | <input type="text"/> |

Bullhorn bracket safely supports HID floodlights. Great with Floodzilla, Megaflood and Flexflood models.

Color: Bronze

Weight: 42.8 lbs

Technical Specifications

Other

Description:

Bullhorns fit 2 3/8" (6cm) O.D. tenons and accommodate 2 3/8" (6cm) slip fitters Bullhorn bracket safely supports four floodlights each up to 77 pounds & each with max 2.5 EPA per arm includes (4) 3/8" bolts for securing to pole.

Patents:

The designs of fixtures are protected under U.S. and international intellectual property laws.

Buy American Act Compliance:

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Construction

Compatibility:

RAB Megaflood, Floodzilla and Flexflood models

Finish:

Formulated for high durability and long-lasting color

Bracket EPA:

3.3.

Weight:

43 lbs

Maximum Weight Capacity:

77 lbs. per arm.

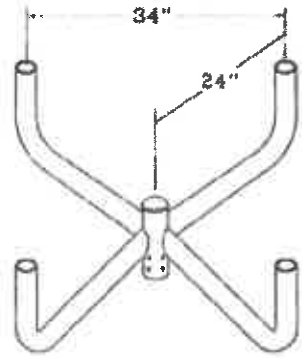
EPA Maximum Capacity:

2.5 per arm.

BULL4

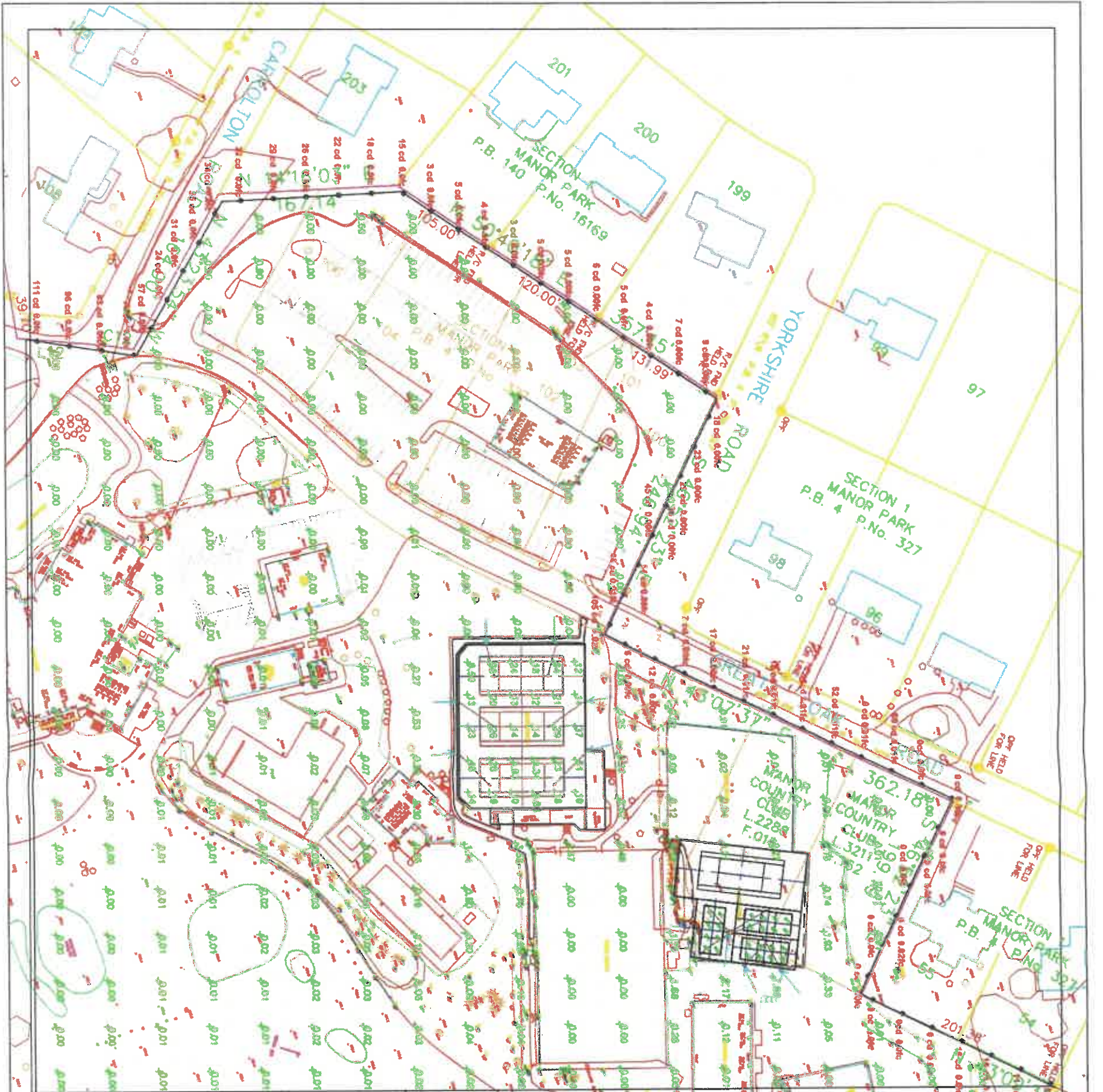
RAB

Dimensions




Features

- Easy, secure floodlight mounting
- Double Reinforced weld joints



TENNIS COURTS : Eav >21lc
 PICKLEBALL COURTS : Eav >21lc
 MAX CANDELA : 111cd
 MAX HORIZONTAL : 0.02lc

| | | |
|--|--|---|
| DRAWING TITLE SPILL LIGHT SCALE: SEE PLAN NOTES: A | DESIGNED BY: |  MANOR COUNTRY CLUB OUTDOOR TENNIS AND PICKLEBALL COURTS FIELD LIGHTING |
| | DRAWING BY: CHECKED BY: REVISIONS: | |
| PROJECT NUMBER A220214 | DATE 2024-12-20 | DRAWING NUMBER C1 |

