# City of Canal Winchester

36 South High Street
Canal Winchester, Ohio 43110
Development Department
Phone (614) 837-7501 Fax (614) 837-0145


## SITE DEVELOPMENT PLAN APPLICATION

rev. 09/24/2013

X Major _____ Minor

**PROPERTY OWNER**

Name CANAL POINTE LLC C/O VIC IRELAN

Address 6233 AVERY ROAD DUBLIN, OHIO 43016

Daytime Phone 614-889-1445 Email VIRELAN@DUBLINBUILDING.COM

**APPLICANT**

Name DUBLIN BUILDING SYSTEMS C/O CHRISTOPHER JOHN

Address 6233 AVERY ROAD DUBLIN, OHIO 43016

Daytime Phone 614.889.1445 Email CJOHN@DUBLINBUILDING.COM

Address/Location of Subject Property 6355 RUTHERFORD DRIVE

Tax Parcel ID 0420376200 Current Zoning LM Acreage 6.123

Proposed Use ARCHITECTURAL MILLWORK & CUSTOM CABINET COMPANY

Attach a current survey (within 2 years) of the subject property and all supporting materials as required by Chapter 1141 (see attachment). Additional information may be required by the Planning and Zoning Administrator or the Planning and Zoning Commission.

**I certify that the information provided with this application is correct and accurate to the best of my ability.**

SENIOR DESIGNER — 9.13.2018

**Property Owner's or Authorize Agent's Signature** — **Date**

***DO NOT WRITE BELOW THIS LINE***

---

Date Received: ___/___/_____ Fee: $_____ Paid ☐

Historic District: ___ Yes ___ No
Preservation District: ___ Yes ___ No

Date of Action: ___/___/_____

Application ___ No

Expiration Date: ___/___/_____

Approved: ___ Yes

___ Yes, with conditions

Tracking Number: SDP - _____

**6.123 ACRE TRACT**

Situated in the Township of Violet and the City of Canal Winchester, County of Fairfield, State of Ohio; also being a part of the southeast quarter of Section 20, Township 15, Range 20, Congress Lands; also being a part of a 13.943 acre tract as conveyed to Canal Point, LLC as described in Official Record 1639 Page 315 Tract “A”; being more particularly described as follows:

Commencing at a MAG nail set at the intersection of the centerline of Howe Industrial Parkway (70’ right-of-way as established in Plat Cabinet 2 Slide 127) and the centerline of Rutherford Drive (70’ right-of-way as established in Plat Cabinet 2 Slide 127); thence,

Along the centerline of Rutherford Drive, ***North 04° 29' 05” East for a distance of 39.17’*** to a point; thence,

Along a line perpendicular to the centerline of Rutherford Drive, ***North 85° 30' 55” West for a distance of 35.00’*** to an iron pin set, said point being along the westerly right-of-way line of Rutherford Drive and an easterly line of said 13.943 acre tract, said point also being the **TRUE POINT OF BEGINNING**, and from said beginning point running thence,

Along the westerly right-of-way line of Rutherford Drive and along a portion of an easterly line of said 13.943 acre tract, ***South 04° 29' 05” West for a distance of 399.51'*** to an iron pin set, said point being the southeasterly corner of said 13.943 acre tract, said point also being the northeasterly corner of a 14.248 acre tract, the remainder of those lands as conveyed to Village of Canal Winchester as described in Deed Book 646 Page 849; thence,

Along the southerly line of said 13.943 acre tract and the northerly line of said 14.248 acre tract, ***North 85° 25' 38” West for a distance of 669.43'*** to a stone found, said point being the southwesterly corner of said 13.943 acre tract and the northwesterly corner of said 14.248 acre tract, said point also being along the easterly line of a 2.355 acre tract as conveyed to Village of Canal Winchester as described in Deed Book 639 Page 273 Tract 2; thence,

Along a portion of the westerly line of said 13.943 acre tract and along a portion of the easterly line of said 2.355 acre tract, ***North 04° 46' 15” East for a distance of 398.49'*** to an iron pin set; thence,

Along a line through said 13.943 acre tract, said line being perpendicular to the centerline of Rutherford Drive, ***South 85° 30' 55” East for a distance of 667.44'*** to the point of beginning, containing 6.123 acres of land, more or less, as determined by Michael L. Keller, Professional Surveyor, Ohio License No. 7978, based on a survey performed by The Kleingers Group in September, 2018.

Basis of Bearings is the State Plane Coordinate System, Ohio South Zone (NAD83-2011), with a portion of the centerline of Rutherford Drive being North 04° 29’ 05” East as determined by a GPS survey utilizing CORS Station “COLB”.

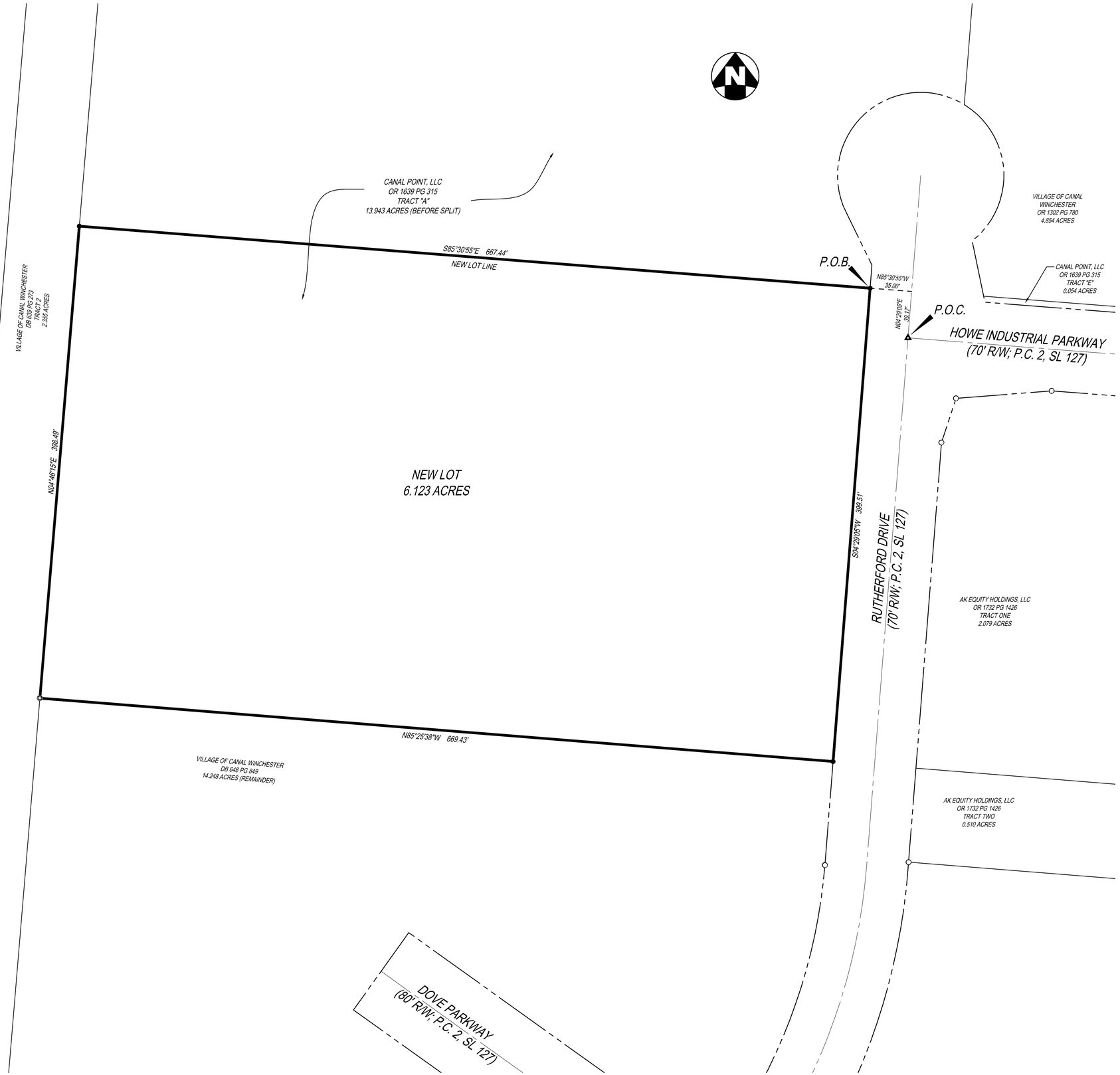
Iron pins set are 5/8” diameter rebar, 30” in length, with plastic identifier caps stamped “THE KLEINGERS GROUP”.

Subject to any easements, restrictions, covenants, ordinances, or agreements of record.

_____

Michael L. Keller Date
Professional Surveyor, Ohio License No. 7978

INSPIRED PEOPLE ▲ CREATIVE DESIGN ▲ TRANSFORMING COMMUNITIES




## LEGEND

- ● 5/8" CAPPED IRON PIN SET
- ○ 5/8" IRON PIN FOUND
- ◎ 1" IRON PIPE FOUND
- ▲ NAIL SET
- △ NAIL FOUND
- ▲ RR SPIKE SET
- ⊕ STONE PROPERTY CORNER FOUND

NOTES

1.) OCCUPATION IN GENERAL FITS SURVEY.

2.) SOURCE DOCUMENTS AS NOTED.

3.) MONUMENTATION IS IN GOOD CONDITION UNLESS OTHERWISE NOTED.

4) BEARINGS ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-2011), WITH A PORTION OF THE CENTERLINE OF RUTHERFORD DRIVE BEING NORTH 04° 29' 05" EAST AS DETERMINED BY A GPS SURVEY UTILIZING CORS STATION "COLB".

5.) THIS DRAWING IS BASED ON AN ACTUAL FIELD SURVEY PERFORMED BY THE KLEINGERS GROUP IN JULY, 2018.

I HEREBY CERTIFY THAT THIS PLAT IS BASED UPON A FIELD SURVEY MADE UNDER MY DIRECTION.

MICHAEL L. KELLER — DATE
OHIO PROFESSIONAL SURVEYOR NO. 7978


THE KLEINGERS GROUP
CIVIL ENGINEERING
SURVEYING
LANDSCAPE ARCHITECTURE
www.kleingers.com
350 Worthington Rd
Suite B
Westerville, OH 43082
614.882.4311


SEAL:

STATE OF OHIO
MICHAEL L. KELLER
7978
REGISTERED
PROFESSIONAL SURVEYOR

| NO. | DATE | DESCRIPTION |
|---|---|---|

# 6.123 ACRE TRACT

**SE ¼ SEC 20, TWP 15, R 20, CONGRESS LANDS, VIOLET TOWNSHIP, CITY OF CANAL WINCHESTER, FAIRFIELD COUNTY, OHIO**

PROJECT NO: 180526.000

DATE: 9/11/18

SCALE: 1" = 40'

0 20 40 80

SHEET NAME:

**LOT SPLIT**

SHEET NO.

**1 OF 1**

INSPIRED PEOPLE ▶ CREATIVE DESIGN ▶ TRANSFORMING COMMUNITIES

## PROPOSED LEGEND

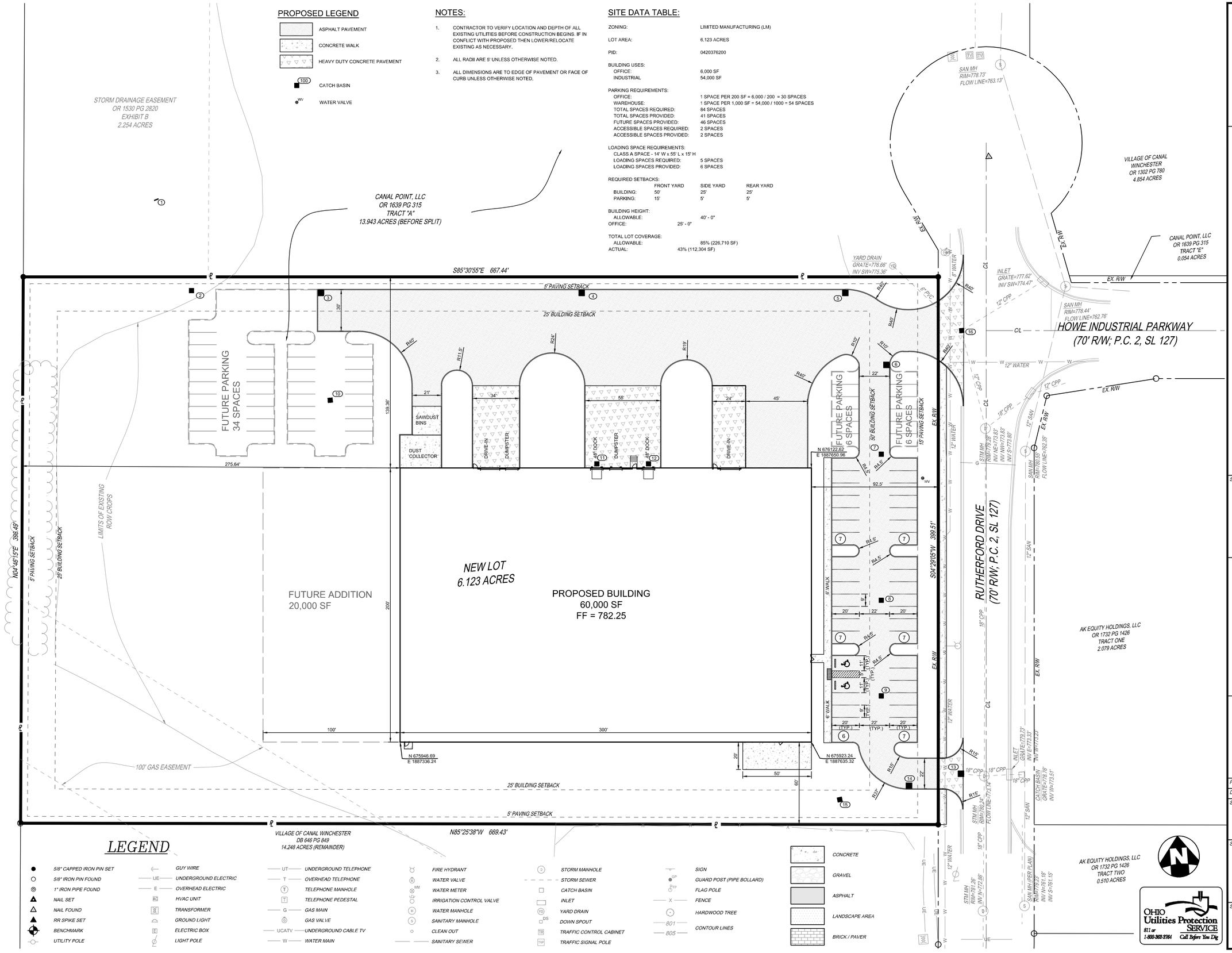
- ASPHALT PAVEMENT
- CONCRETE WALK
- HEAVY DUTY CONCRETE PAVEMENT
- (100) CATCH BASIN
- WV WATER VALVE

## NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS. IF IN CONFLICT WITH PROPOSED THEN LOWER/RELOCATE EXISTING AS NECESSARY.
2. ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.

## SITE DATA TABLE:

| | | | |
|---|---|---|---|
| ZONING: | LIMITED MANUFACTURING (LM) | | |
| LOT AREA: | 6.123 ACRES | | |
| PID: | 0420376200 | | |
| BUILDING USES: | | | |
| OFFICE: | 6,000 SF | | |
| INDUSTRIAL | 54,000 SF | | |
| PARKING REQUIREMENTS: | | | |
| OFFICE: | 1 SPACE PER 200 SF = 6,000 / 200 = 30 SPACES | | |
| WAREHOUSE: | 1 SPACE PER 1,000 SF = 54,000 / 1000 = 54 SPACES | | |
| TOTAL SPACES REQUIRED: | 84 SPACES | | |
| TOTAL SPACES PROVIDED: | 41 SPACES | | |
| FUTURE SPACES PROVIDED: | 46 SPACES | | |
| ACCESSIBLE SPACES REQUIRED: | 2 SPACES | | |
| ACCESSIBLE SPACES PROVIDED: | 2 SPACES | | |
| LOADING SPACE REQUIREMENTS: | | | |
| CLASS A SPACE - 14' W x 55' L x 15' H | | | |
| LOADING SPACES REQUIRED: | 5 SPACES | | |
| LOADING SPACES PROVIDED: | 6 SPACES | | |
| REQUIRED SETBACKS: | FRONT YARD | SIDE YARD | REAR YARD |
| BUILDING: | 50' | 25' | 25' |
| PARKING: | 15' | 5' | 5' |
| BUILDING HEIGHT: | | | |
| ALLOWABLE: | | 40' - 0" | |
| OFFICE: | 25' - 0" | | |
| TOTAL LOT COVERAGE: | | | |
| ALLOWABLE: | | 85% (226,710 SF) | |
| ACTUAL: | 43% (112,304 SF) | | |




## LEGEND

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5/8" CAPPED IRON PIN SET | GUY WIRE | UT | UNDERGROUND TELEPHONE | FIRE HYDRANT | STORM MANHOLE | SIGN | CONCRETE |
| 5/8" IRON PIN FOUND | UE | UNDERGROUND ELECTRIC | T | OVERHEAD TELEPHONE | WV | WATER VALVE | STORM SEWER | GP | GUARD POST (PIPE BOLLARD) | GRAVEL |
| 1" IRON PIPE FOUND | E | OVERHEAD ELECTRIC | T | TELEPHONE MANHOLE | WM | WATER METER | CATCH BASIN | FP | FLAG POLE | |
| NAIL SET | HVAC | HVAC UNIT | T | TELEPHONE PEDESTAL | IC | IRRIGATION CONTROL VALVE | INLET | X | FENCE | ASPHALT |
| NAIL FOUND | TR | TRANSFORMER | G | GAS MAIN | W | WATER MANHOLE | YD | | HARDWOOD TREE | LANDSCAPE AREA |
| RR SPIKE SET | | GROUND LIGHT | GV | GAS VALVE | S | SANITARY MANHOLE | DS | DOWN SPOUT | 801 | CONTOUR LINES |
| BENCHMARK | E | ELECTRIC BOX | UCATV | UNDERGROUND CABLE TV | | CLEAN OUT | TR | TRAFFIC CONTROL CABINET | 805 | BRICK / PAVER |
| UTILITY POLE | | LIGHT POLE | W | WATER MAIN | | SANITARY SEWER | TSP | TRAFFIC SIGNAL POLE | | |

OHIO Utilities Protection SERVICE
811 or 1-800-362-2764 Call Before You Dig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www.kleingers.com
350 Worthington Rd
Suite B
Westerville, OH 43082
614.882.4311


SEAL:
STATE OF OHIO
MASON S. MALCOM
E-81272
REGISTERED
PROFESSIONAL ENGINEER

| NO. | DATE | DESCRIPTION |
|---|---|---|

# MILL TECH

**6355 RUTHERFORD DRIVE,**
**CANAL WINCHESTER, OHIO 43110**

| | |
|---|---|
| PROJECT NO: | 180526.000 |
| DATE: | 09-14-2018 |
| SCALE: | 0 15 30 60 |
| SHEET NAME: | LOCATION PLAN |
| SHEET NO. | 1/3 |

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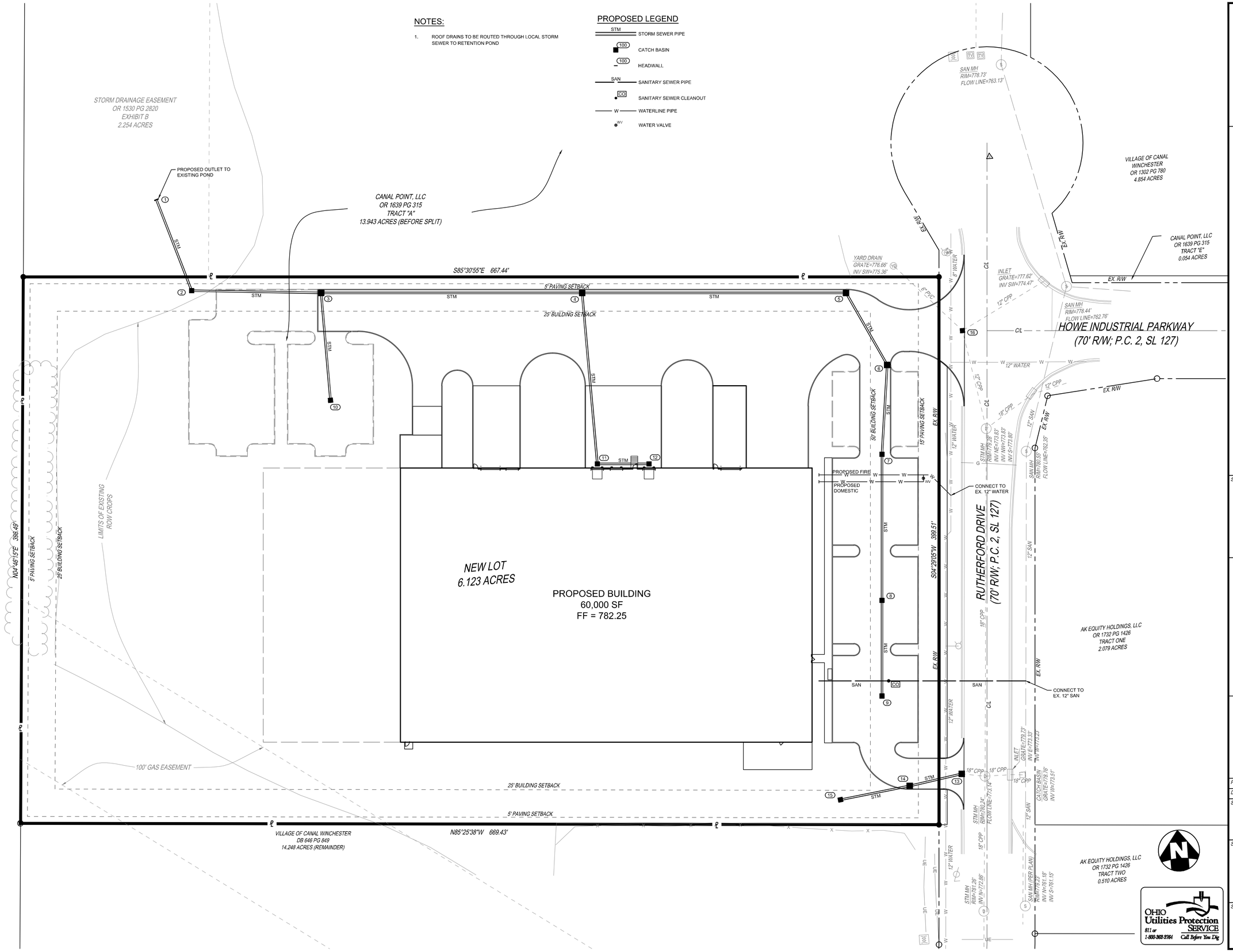
INSPIRED PEOPLE ▸ CREATIVE DESIGN ▸ TRANSFORMING COMMUNITIES

## NOTES:

1. ROOF DRAINS TO BE ROUTED THROUGH LOCAL STORM SEWER TO RETENTION POND

## PROPOSED LEGEND

- STM — STORM SEWER PIPE
- 100 — CATCH BASIN
- 100 — HEADWALL
- SAN — SANITARY SEWER PIPE
- CO — SANITARY SEWER CLEANOUT
- W — WATERLINE PIPE
- WV — WATER VALVE

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SEAL:

STATE OF OHIO
MASON S. MALCOM
E-81272
REGISTERED
PROFESSIONAL ENGINEER

| NO. | DATE | DESCRIPTION |
|---|---|---|

**MILL TECH**
6355 RUTHERFORD DRIVE,
CANAL WINCHESTER, OHIO 43110

| | |
|---|---|
| PROJECT NO: | 180526.000 |
| DATE: | 09-14-2018 |
| SCALE: | 0 15 30 60 |
| SHEET NAME: | UTILITY PLAN |
| SHEET NO. | 2/3 |

OHIO Utilities Protection SERVICE
811 or 1-800-362-2764
Call Before You Dig

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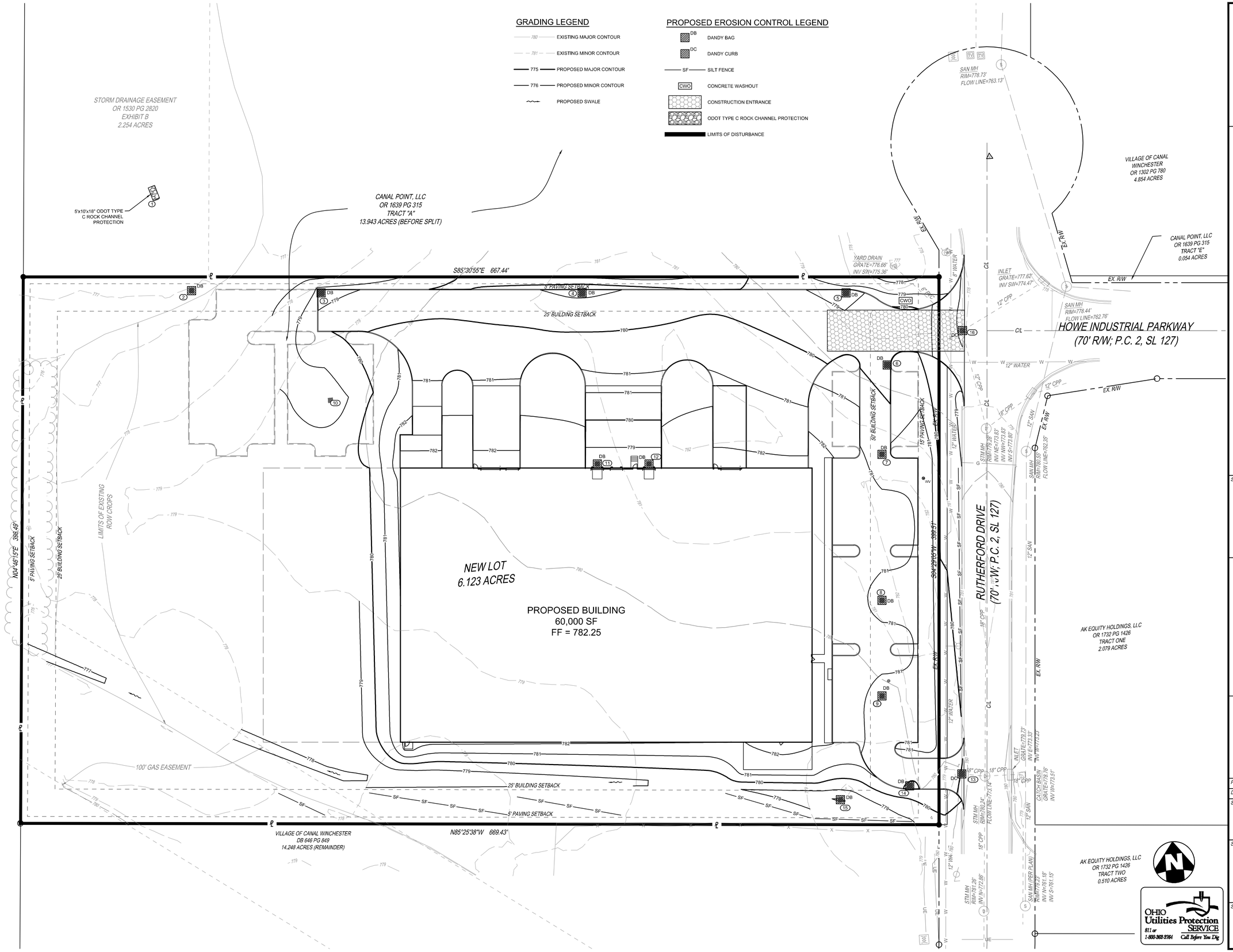
INSPIRED PEOPLE ▸ CREATIVE DESIGN ▸ TRANSFORMING COMMUNITIES

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SEAL:

STATE OF OHIO
MASON S. MALCOM
E-81272
REGISTERED
PROFESSIONAL ENGINEER

| NO. | DATE | DESCRIPTION |
|---|---|---|

**MILL TECH**
6355 RUTHERFORD DRIVE,
CANAL WINCHESTER, OHIO 43110

| | |
|---|---|
| PROJECT NO: | 180526.000 |
| DATE: | 09-14-2018 |
| SCALE: | 0 15 30 60 |

SHEET NAME:

**GRADING & EROSION CONTROL PLAN**

SHEET NO.

**3/3**

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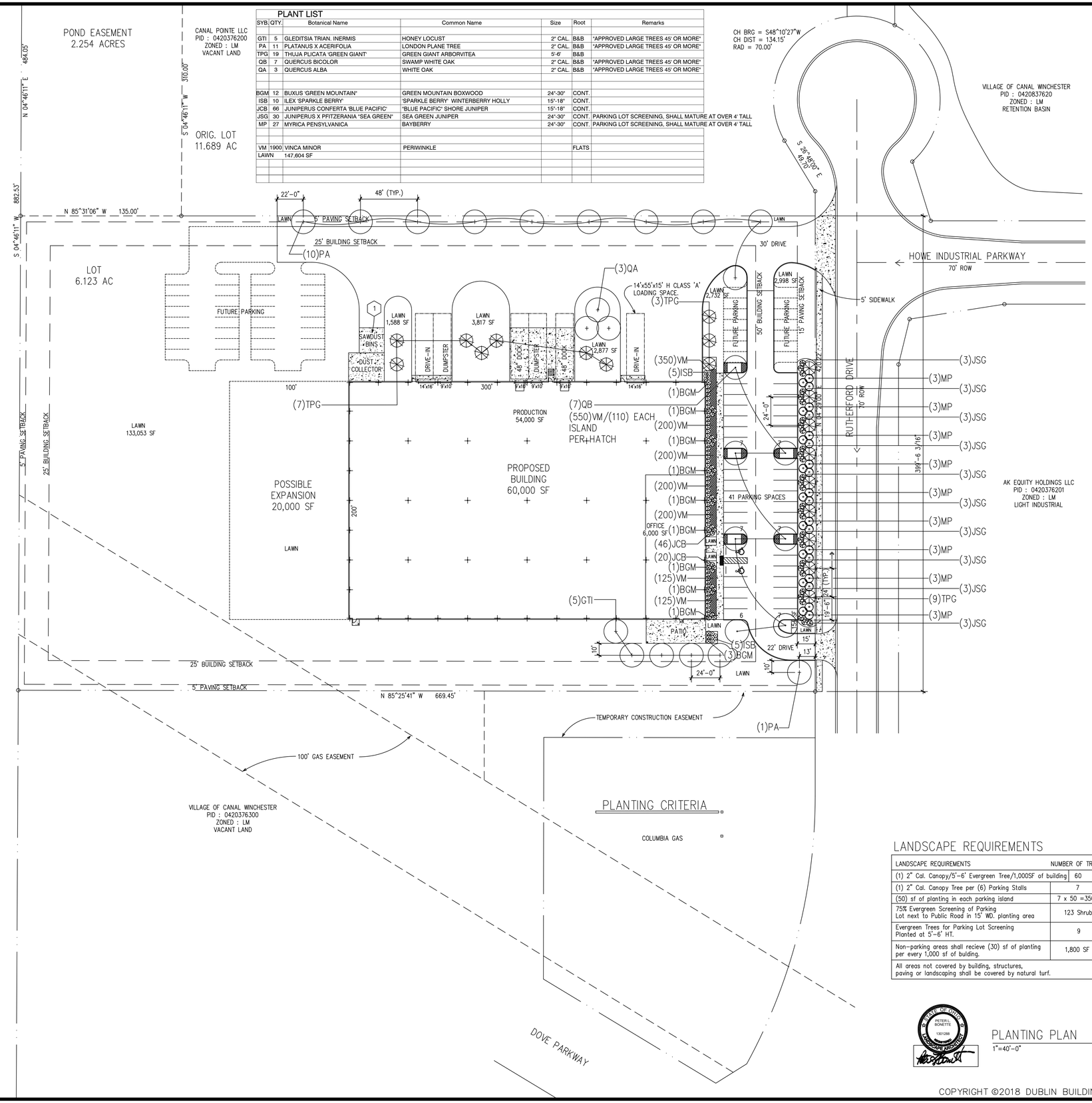
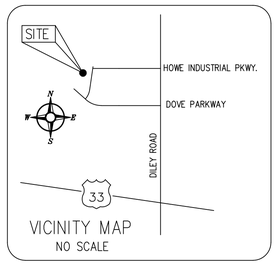
## PLANT LIST

| SYB | QTY. | Botanical Name | Common Name | Size | Root | Remarks |
|---|---|---|---|---|---|---|
| GTI | 5 | GLEDITSIA TRIAN. INERMIS | HONEY LOCUST | 2" CAL. | B&B | "APPROVED LARGE TREES 45' OR MORE" |
| PA | 11 | PLATANUS X ACERIFOLIA | LONDON PLANE TREE | 2" CAL. | B&B | "APPROVED LARGE TREES 45' OR MORE" |
| TPG | 19 | THUJA PLICATA 'GREEN GIANT' | GREEN GIANT ARBORVITEA | 5'-6' | B&B | |
| QB | 7 | QUERCUS BICOLOR | SWAMP WHITE OAK | 2" CAL. | B&B | "APPROVED LARGE TREES 45' OR MORE" |
| QA | 3 | QUERCUS ALBA | WHITE OAK | 2" CAL. | B&B | "APPROVED LARGE TREES 45' OR MORE" |
| BGM | 12 | BUXUS 'GREEN MOUNTAIN' | GREEN MOUNTAIN BOXWOOD | 24"-30" | CONT. | |
| ISB | 10 | ILEX 'SPARKLE BERRY' | 'SPARKLE BERRY' WINTERBERRY HOLLY | 15"-18" | CONT. | |
| JCB | 66 | JUNIPERUS CONFERTA 'BLUE PACIFIC' | "BLUE PACIFIC" SHORE JUNIPER | 15"-18" | CONT. | |
| JSG | 30 | JUNIPERUS X PFITZERANIA "SEA GREEN" | SEA GREEN JUNIPER | 24"-30" | CONT. | PARKING LOT SCREENING, SHALL MATURE AT OVER 4' TALL |
| MP | 27 | MYRICA PENSYLVANICA | BAYBERRY | 24"-30" | CONT. | PARKING LOT SCREENING, SHALL MATURE AT OVER 4' TALL |
| VM | 1900 | VINCA MINOR | PERIWINKLE | | FLATS | |
| LAWN | | 147,604 SF | | | | |




## LANDSCAPE REQUIREMENTS

| LANDSCAPE REQUIREMENTS | NUMBER OF TREES | NUMBER OF TREES PROVIDED |
|---|---|---|
| (1) 2" Cal. Canopy/5'-6' Evergreen Tree/1,000SF of building | 60 | 38 |
| (1) 2" Cal. Canopy Tree per (6) Parking Stalls | 7 | 7 |
| (50) sf of planting in each parking island | 7 x 50 =350 | 350 |
| 75% Evergreen Screening of Parking Lot next to Public Road in 15' WD. planting area | 123 Shrubs | 123 Shrubs |
| Evergreen Trees for Parking Lot Screening Planted at 5'-6' HT. | 9 | 9 |
| Non-parking areas shall recieve (30) sf of planting per every 1,000 sf of bulding. | 1,800 SF | 1,800 SF |
| All areas not covered by building, structures, paving or landscaping shall be covered by natural turf. | | |

STATE OF OHIO
PETER L. BONETTI
13012888
REGISTERED
PROFESSIONAL ENGINEER

PLANTING PLAN
1"=40'-0"

NORTH

09/17/18
09/13/18
08/03/18
07/31/18

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Dublin Building Systems
Design Build Contractors and Engineers
6233 Avery Road
Box 370
Dublin, Ohio 43017
(614)889-1445

SITE PLAN

PROPOSED BUILDING FOR:
MILL TECH
CANAL POINTE CANAL WINCHESTER, OHIO

REVISIONS

DRAWN BY CJ
CHECKED BY

DATE AUG. 23, 2018
REVISED

JOB NO. 18-

# Lumark

## DESCRIPTION

The Prevail™ LED pole and fixture combination makes selection and installation of poles and fixtures simple. Included is the die-cast Prevail area, site and roadway luminaire with standard mounting arm, square straight steel pole, anchor bolts, base cover, template and hardware. Stock configurations are available in single and dual fixture combinations. The Prevail luminaire delivers a new level of versatility and value in patent pending, architectural design that delivers energy savings greater than 62% and replaces 150-450W metal halide fixtures. The Prevail fixture and pole combo is ideal for general area/site lighting applications.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

### Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing in dark bronze polyester powder paint. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31).

### Optics
Available in Type III and IV distributions with lumen packages ranging from 6,173 to 18,992 nominal lumens. Light engine configurations consist of 1 or 2 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/60,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

### Electrical
Available in 120-277V 50/60Hz. 10kV/10kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture to accommodate controls capability such as dimming and occupancy. Suitable for ambient temperatures from -40°C to 40°C.

### Controls
An integrated dimming and occupancy sensor is available in bi-level dimming (MSP/DIM) operation.

### Mounting
The versatile, patent pending, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting.

### Pole
Shaft is one-piece construction ASTM A500 grade "B" steel, shot blasted and finished in dark bronze polyester powder coat. Anchor base is fabricated from ASTM grade steel. ASTM A366 steel full base cover is provided to enclose base plate and anchor bolts. Anchor bolts are per ASTM A576 with two nuts, two flat washers, and one lock washer. Hardware and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

### Finish
Housing and cast parts finished in five-stage super TGIC polyester bronze powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.

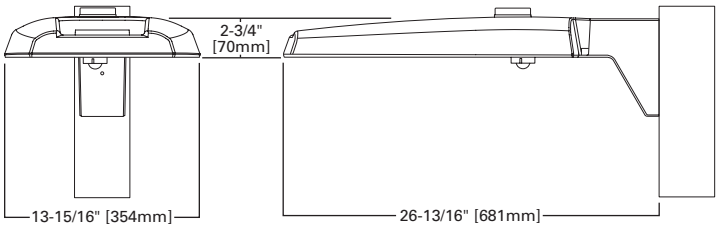
### Warranty
Five-year warranty.

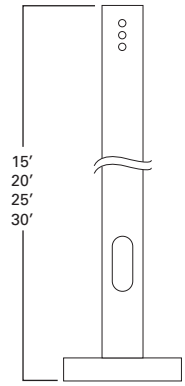
# **PFPRV** PREVAIL POLE AND FIXTURE COMBO

**LED**

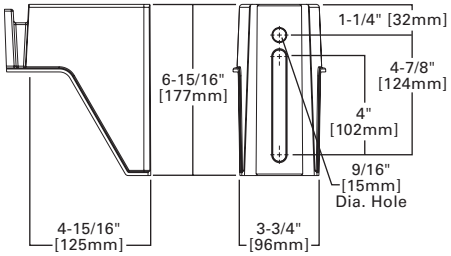
**POLE AND FIXTURE COMBO**

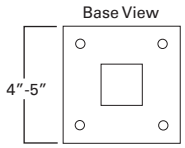
## DIMENSIONS




## POLE MOUNT ARM




## CERTIFICATION DATA
UL and cUL Wet Location Listed
IP66-Rated
3G Vibration Rated
ISO 9001
DesignLights Consortium™ Qualified*

## ENERGY DATA
**Electronic LED Driver**
0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 and 60Hz,
347V/60Hz, 480V/60Hz
-40°C Minimum Temperature Rating
+40°C Ambient Temperature Rating

## EPA
**Effective Projected Area** (Sq. Ft.): 0.75
(1 fixture)

## SHIPPING DATA
**Approximate Net Weight:**
20lbs. [9.09 kgs.] **(1 fixture)**

EATON
Powering Business Worldwide

*www.designlights.org

## ORDERING INFORMATION

**Sample Number:** PFPRV-1-A25-T3-15-N/AB

| **Series** [1, 2, 3] | **Number of Fixtures** | **Light Engine** | **Distribution** | **Pole Height** | **Maximum Wind Zone** (MPH) | **Options** (Add as Suffix) | **Accessories** (Order Separately) |
|---|---|---|---|---|---|---|---|
| **PFPRV**=Prevail Pole and Fixture Combo | **1**=1<br>**2**=2<br>**3**=3<br>**4**=4 | **A15**=(1 LED) 6,100 Nominal Lumens<br>**A25**=(2 LED) 10,200 Nominal Lumens<br>**A40**=(2 LED) 15,100 Nominal Lumens<br>**A60**=(2 LED) 18,900 Nominal Lumens | **T3**=Type III<br>**T4**=Type IV | **15**=15'<br>**20**=20'<br>**25**=25'<br>**30**=30' | **Blank**=80<br>**9**=90<br>**0**=100 | **N/AB**=No Anchor Bolts (Used when ordered separately)<br>**HSS**=House Side Shield<br>**MSP/DIM-L12**=Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height<br>**MSP/DIM-L30**=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height<br>**PER**=NEMA 3PIN Twistlock Photocontrol Receptacle [4]<br>**PER7**=NEMA 7PIN Twistlock Photocontrol Receptacle [4] | **HS/VERD**=House Side Shield |

**NOTES: 1** 4000K CCT, standard bronze, 120-277V, 0-10V dimming. **2** Standard mount arm included with fixture. Supplied with straight steel shaft, anchor bolts, template, base cover and hardware. **3** DesignLights Consortium™ Qualified and classified for DLC standard, refer to www.designlights.org for details. **4** Not available with MSP options.

## POWER AND LUMENS

| **Light Engine** | | **A15** | **A25** | **A40** | **A60** |
|---|---|---|---|---|---|
| **Nominal Power** (Watts) | | 57W | 87W | 143W | 163W |
| **Input Current @ 120V** (A) | | 0.49 | 0.76 | 1.23 | 1.34 |
| **Input Current @ 277V** (A) | | 0.22 | 0.35 | 0.54 | 0.60 |
| **Input Current @ 347V** (A) | | 0.18 | 0.28 | 0.45 | 0.49 |
| **Input Current @ 480V** (A) | | 0.13 | 0.21 | 0.33 | 0.35 |
| **Type II** | Lumens | 6,139 | 10,204 | 15,073 | 18,830 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 |
| **Type III** | Lumens | 6,192 | 10,292 | 15,203 | 18,992 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 |
| **Type IV** | Lumens | 6,173 | 10,261 | 15,157 | 18,935 |
| | BUG Rating | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B2-U0-G5 |
| **Type V** | Lumens | 6,393 | 10,627 | 15,697 | 19,610 |
| | BUG Rating | B3-U0-G3 | B4-U0-G3 | B4-U0-G4 | B5-U0-G4 |

**NOTE**: Lumen output for standard bronze fixture color. Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.

## LUMEN MAINTENANCE

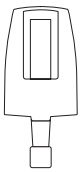
| **Ambient Temperature** | **25,000 Hours*** | **50,000 Hours*** | **60,000 Hours*** | **Theoretical 100,000 Hours** | **Theoretical L70 (Hours)*** |
|---|---|---|---|---|---|
| **25ºC** | > 96% | > 93% | > 92% | > 87% | > 260,000 |
| **40ºC** | > 96% | > 93% | > 92% | > 87% | > 255,000 |
| **50ºC** | > 95% | > 92% | > 91% | > 86% | > 250,000 |

* Per IESNA TM-21 data.

## LUMEN MULTIPLIER

| **Ambient Temperature** | **Lumen Multiplier** |
|---|---|
| **10ºC** | 1.02 |
| **15ºC** | 1.01 |
| **25ºC** | 1.00 |
| **40ºC** | 0.99 |

## ONE FIXTURE CONFIGURATION
## (30FT CONFIGURATIONS WITH 80, 90 AND 100MPH WIND ZONES USE A 5" POLE)



EPA=0.75
T3=18,992
T4=18,935

| Mounting Height (Feet) | Lumens (Nominal) | Distribution | Maximum Wind Zone (MPH) | | | HID Equivalent (Wattage) |
|---|---|---|---|---|---|---|
| | | | 80 | 90 | 100 | |
| 15' | 6,192 | Type III | PFPRV-1-A15-T3-15 [2] | PFPRV-1-A15-T3-15-9 [2] | PFPRV-1-A15-T3-15-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-1-A15-T4-15 [2] | PFPRV-1-A15-T4-15-9 [2] | PFPRV-1-A15-T4-15-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-1-A25-T3-15 [2] | PFPRV-1-A25-T3-15-9 [2] | PFPRV-1-A25-T3-15-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-1-A25-T4-15 [2] | PFPRV-1-A25-T4-15-9 [2] | PFPRV-1-A25-T4-15-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-1-A40-T3-15 [2] | PFPRV-1-A40-T3-15-9 [2] | PFPRV-1-A40-T3-15-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-1-A40-T4-15 [2] | PFPRV-1-A40-T4-15-9 [2] | PFPRV-1-A40-T4-15-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-1-A60-T3-15 [2] | PFPRV-1-A60-T3-15-9 [2] | PFPRV-1-A60-T3-15-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-1-A60-T4-15 [2] | PFPRV-1-A60-T4-15-9 [2] | PFPRV-1-A60-T4-15-0 [2] | 450W |
| 20' | 6,192 | Type III | PFPRV-1-A15-T3-20 [2] | PFPRV-1-A15-T3-20-9 [2] | PFPRV-1-A15-T3-20-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-1-A15-T4-20 [2] | PFPRV-1-A15-T4-20-9 [2] | PFPRV-1-A15-T4-20-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-1-A25-T3-20 [2] | PFPRV-1-A25-T3-20-9 [2] | PFPRV-1-A25-T3-20-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-1-A25-T4-20 [2] | PFPRV-1-A25-T4-20-9 [2] | PFPRV-1-A25-T4-20-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-1-A40-T3-20 [2] | PFPRV-1-A40-T3-20-9 [2] | PFPRV-1-A40-T3-20-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-1-A40-T4-20 [2] | PFPRV-1-A40-T4-25-9 [2] | PFPRV-1-A40-T4-20-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-1-A60-T3-20 [2] | PFPRV-1-A60-T3-20-9 [2] | PFPRV-1-A60-T3-20-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-1-A60-T4-20 [2] | PFPRV-1-A60-T4-20-9 [2] | PFPRV-1-A60-T4-20-0 [2] | 450W |
| 25' | 6,192 | Type III | PFPRV-1-A15-T3-25 [2] | PFPRV-1-A15-T3-25-9 [2] | PFPRV-1-A15-T3-25-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-1-A15-T4-25 [2] | PFPRV-1-A15-T4-25-9 [2] | PFPRV-1-A15-T4-25-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-1-A25-T3-25 [2] | PFPRV-1-A25-T3-25-9 [2] | PFPRV-1-A25-T3-25-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-1-A25-T4-25 [2] | PFPRV-1-A25-T4-25-9 [2] | PFPRV-1-A25-T4-25-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-1-A40-T3-25 [2] | PFPRV-1-A40-T3-25-9 [2] | PFPRV-1-A40-T3-25-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-1-A40-T4-25 [2] | PFPRV-1-A40-T4-25-9 [2] | PFPRV-1-A40-T4-25-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-1-A60-T3-25 [2] | PFPRV-1-A60-T3-25-9 [2] | PFPRV-1-A60-T3-25-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-1-A60-T4-25 [2] | PFPRV-1-A60-T4-25-9 [2] | PFPRV-1-A60-T4-25-0 [2] | 450W |
| 30' | 6,192 | Type III | PFPRV-1-A15-T3-30 [3] | PFPRV-1-A15-T3-30-9 [3] | PFPRV-1-A15-T3-30-0 [4] | 150W |
| | 6,173 | Type IV | PFPRV-1-A15-T4-30 [3] | PFPRV-1-A15-T4-30-9 [3] | PFPRV-1-A15-T4-30-0 [4] | 150W |
| | 10,292 | Type III | PFPRV-1-A25-T3-30 [3] | PFPRV-1-A25-T3-30-9 [3] | PFPRV-1-A25-T3-30-0 [4] | 250W |
| | 10,261 | Type IV | PFPRV-1-A25-T4-30 [3] | PFPRV-1-A25-T4-30-9 [3] | PFPRV-1-A25-T4-30-0 [4] | 250W |
| | 15,203 | Type III | PFPRV-1-A40-T3-30 [3] | PFPRV-1-A40-T3-30-9 [3] | PFPRV-1-A40-T3-30-0 [4] | 400W |
| | 15,157 | Type IV | PFPRV-1-A40-T4-30 [3] | PFPRV-1-A40-T4-30-9 [3] | PFPRV-1-A40-T4-30-0 [4] | 400W |
| | 18,992 | Type III | PFPRV-1-A60-T3-30 [3] | PFPRV-1-A60-T3-30-9 [3] | PFPRV-1-A60-T3-30-0 [4] | 450W |
| | 18,935 | Type IV | PFPRV-1-A60-T4-30 [3] | PFPRV-1-A60-T4-30-9 [3] | PFPRV-1-A60-T4-30-0 [4] | 450W |

**NOTES:**

**1.** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.

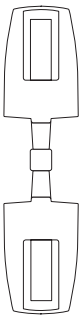
**2.** Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.

**3.** Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5A30SFM4.

**4.** Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.

**5.** Refer to In Stock Guide for stocked configurations and availability.

## TWO FIXTURE CONFIGURATION
## (30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 100MPH WIND ZONE USE 5" POLES)



EPA=1.50

| Mounting Height (Feet) | Lumens (Nominal) | Distribution | Maximum Wind Zone (MPH) | | | HID Equivalent (Wattage) |
|---|---|---|---|---|---|---|
| | | | 80 | 90 | 100 | |
| 15' | 6,192 | Type III | PFPRV-2-A15-T3-15 [2] | PFPRV-2-A15-T3-15-9 [2] | PFPRV-2-A15-T3-15-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-2-A15-T4-15 [2] | PFPRV-2-A15-T4-15-9 [2] | PFPRV-2-A15-T4-15-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-2-A25-T3-15 [2] | PFPRV-2-A25-T3-15-9 [2] | PFPRV-2-A25-T3-15-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-2-A25-T4-15 [2] | PFPRV-2-A25-T4-15-9 [2] | PFPRV-2-A25-T4-15-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-2-A40-T3-15 [2] | PFPRV-2-A40-T3-15-9 [2] | PFPRV-2-A40-T3-15-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-2-A40-T4-15 [2] | PFPRV-2-A40-T4-15-9 [2] | PFPRV-2-A40-T4-15-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-2-A60-T3-15 [2] | PFPRV-2-A60-T3-15-9 [2] | PFPRV-2-A60-T3-15-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-2-A60-T4-15 [2] | PFPRV-2-A60-T4-15-9 [2] | PFPRV-2-A60-T4-15-0 [2] | 450W |
| 20' | 6,192 | Type III | PFPRV-2-A15-T3-20 [2] | PFPRV-2-A15-T3-20-9 [2] | PFPRV-2-A15-T3-20-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-2-A15-T4-20 [2] | PFPRV-2-A15-T4-20-9 [2] | PFPRV-2-A15-T4-20-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-2-A25-T3-20 [2] | PFPRV-2-A25-T3-20-9 [2] | PFPRV-2-A25-T3-20-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-2-A25-T4-20 [2] | PFPRV-2-A25-T4-20-9 [2] | PFPRV-2-A25-T4-20-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-2-A40-T3-20 [2] | PFPRV-2-A40-T3-20-9 [2] | PFPRV-2-A40-T3-20-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-2-A40-T4-20 [2] | PFPRV-2-A40-T4-25-9 [2] | PFPRV-2-A40-T4-20-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-2-A60-T3-20 [2] | PFPRV-2-A60-T3-20-9 [2] | PFPRV-2-A60-T3-20-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-2-A60-T4-20 [2] | PFPRV-2-A60-T4-20-9 [2] | PFPRV-2-A60-T4-20-0 [2] | 450W |
| 25' | 6,192 | Type III | PFPRV-2-A15-T3-25 [2] | PFPRV-2-A15-T3-25-9 [2] | PFPRV-2-A15-T3-25-0 [3] | 150W |
| | 6,173 | Type IV | PFPRV-2-A15-T4-25 [2] | PFPRV-2-A15-T4-25-9 [2] | PFPRV-2-A15-T4-25-0 [3] | 150W |
| | 10,292 | Type III | PFPRV-2-A25-T3-25 [2] | PFPRV-2-A25-T3-25-9 [2] | PFPRV-2-A25-T3-25-0 [3] | 250W |
| | 10,261 | Type IV | PFPRV-2-A25-T4-25 [2] | PFPRV-2-A25-T4-25-9 [2] | PFPRV-2-A25-T4-25-0 [3] | 250W |
| | 15,203 | Type III | PFPRV-2-A40-T3-25 [2] | PFPRV-2-A40-T3-25-9 [2] | PFPRV-2-A40-T3-25-0 [3] | 400W |
| | 15,157 | Type IV | PFPRV-2-A40-T4-25 [2] | PFPRV-2-A40-T4-25-9 [2] | PFPRV-2-A40-T4-25-0 [3] | 400W |
| | 18,992 | Type III | PFPRV-2-A60-T3-25 [2] | PFPRV-2-A60-T3-25-9 [2] | PFPRV-2-A60-T3-25-0 [3] | 450W |
| | 18,935 | Type IV | PFPRV-2-A60-T4-25 [2] | PFPRV-2-A60-T4-25-9 [2] | PFPRV-2-A60-T4-25-0 [3] | 450W |
| 30' | 6,192 | Type III | PFPRV-2-A15-T3-30 [3] | PFPRV-2-A15-T3-30-9 [3] | PFPRV-2-A15-T3-30-0 [4] | 150W |
| | 6,173 | Type IV | PFPRV-2-A15-T4-30 [3] | PFPRV-2-A15-T4-30-9 [3] | PFPRV-2-A15-T4-30-0 [4] | 150W |
| | 10,292 | Type III | PFPRV-2-A25-T3-30 [3] | PFPRV-2-A25-T3-30-9 [3] | PFPRV-2-A25-T3-30-0 [4] | 250W |
| | 10,261 | Type IV | PFPRV-2-A25-T4-30 [3] | PFPRV-2-A25-T4-30-9 [3] | PFPRV-2-A25-T4-30-0 [4] | 250W |
| | 15,203 | Type III | PFPRV-2-A40-T3-30 [3] | PFPRV-2-A40-T3-30-9 [3] | PFPRV-2-A40-T3-30-0 [4] | 400W |
| | 15,157 | Type IV | PFPRV-2-A40-T4-30 [3] | PFPRV-2-A40-T4-30-9 [3] | PFPRV-2-A40-T4-30-0 [4] | 400W |
| | 18,992 | Type III | PFPRV-2-A60-T3-30 [3] | PFPRV-2-A60-T3-30-9 [3] | PFPRV-2-A60-T3-30-0 [4] | 450W |
| | 18,935 | Type IV | PFPRV-2-A60-T4-30 [3] | PFPRV-2-A60-T4-30-9 [3] | PFPRV-2-A60-T4-30-0 [4] | 450W |

**NOTES:**

**1.** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.

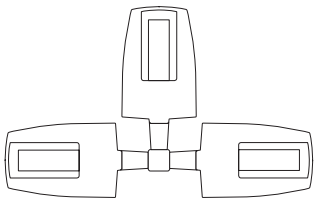
**2.** Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.

**3.** Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SFM4 and 30' combo SS5A30SFM4.

**4.** Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.

**5.** Refer to In Stock Guide for stocked configurations and availability.

## THREE FIXTURE CONFIGURATION
## (30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 90, 100MPH WIND ZONE USE 5" POLES)



EPA=2.25

| Mounting Height (Feet) | Lumens (Nominal) | Distribution | Maximum Wind Zone (MPH) | | | HID Equivalent (Wattage) |
|---|---|---|---|---|---|---|
| | | | 80 | 90 | 100 | |
| 15' | 6,192 | Type III | PFPRV-3-A15-T3-15 [2] | PFPRV-3-A15-T3-15-9 [2] | PFPRV-3-A15-T3-15-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-3-A15-T4-15 [2] | PFPRV-3-A15-T4-15-9 [2] | PFPRV-3-A15-T4-15-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-3-A25-T3-15 [2] | PFPRV-3-A25-T3-15-9 [2] | PFPRV-3-A25-T3-15-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-3-A25-T4-15 [2] | PFPRV-3-A25-T4-15-9 [2] | PFPRV-3-A25-T4-15-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-3-A40-T3-15 [2] | PFPRV-3-A40-T3-15-9 [2] | PFPRV-3-A40-T3-15-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-3-A40-T4-15 [2] | PFPRV-3-A40-T4-15-9 [2] | PFPRV-3-A40-T4-15-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-3-A60-T3-15 [2] | PFPRV-3-A60-T3-15-9 [2] | PFPRV-3-A60-T3-15-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-3-A60-T4-15 [2] | PFPRV-3-A60-T4-15-9 [2] | PFPRV-3-A60-T4-15-0 [2] | 450W |
| 20' | 6,192 | Type III | PFPRV-3-A15-T3-20 [2] | PFPRV-3-A15-T3-20-9 [2] | PFPRV-3-A15-T3-20-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-3-A15-T4-20 [2] | PFPRV-3-A15-T4-20-9 [2] | PFPRV-3-A15-T4-20-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-3-A25-T3-20 [2] | PFPRV-3-A25-T3-20-9 [2] | PFPRV-3-A25-T3-20-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-3-A25-T4-20 [2] | PFPRV-3-A25-T4-20-9 [2] | PFPRV-3-A25-T4-20-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-3-A40-T3-20 [2] | PFPRV-3-A40-T3-20-9 [2] | PFPRV-3-A40-T3-20-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-3-A40-T4-20 [2] | PFPRV-3-A40-T4-25-9 [2] | PFPRV-3-A40-T4-20-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-3-A60-T3-20 [2] | PFPRV-3-A60-T3-20-9 [2] | PFPRV-3-A60-T3-20-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-3-A60-T4-20 [2] | PFPRV-3-A60-T4-20-9 [2] | PFPRV-3-A60-T4-20-0 [2] | 450W |
| 25' | 6,192 | Type III | PFPRV-3-A15-T3-25 [2] | PFPRV-3-A15-T3-25-9 [3] | PFPRV-3-A15-T3-25-0 [3] | 150W |
| | 6,173 | Type IV | PFPRV-3-A15-T4-25 [2] | PFPRV-3-A15-T4-25-9 [3] | PFPRV-3-A15-T4-25-0 [3] | 150W |
| | 10,292 | Type III | PFPRV-3-A25-T3-25 [2] | PFPRV-3-A25-T3-25-9 [3] | PFPRV-3-A25-T3-25-0 [3] | 250W |
| | 10,261 | Type IV | PFPRV-3-A25-T4-25 [2] | PFPRV-3-A25-T4-25-9 [3] | PFPRV-3-A25-T4-25-0 [3] | 250W |
| | 15,203 | Type III | PFPRV-3-A40-T3-25 [2] | PFPRV-3-A40-T3-25-9 [3] | PFPRV-3-A40-T3-25-0 [3] | 400W |
| | 15,157 | Type IV | PFPRV-3-A40-T4-25 [2] | PFPRV-3-A40-T4-25-9 [3] | PFPRV-3-A40-T4-25-0 [3] | 400W |
| | 18,992 | Type III | PFPRV-3-A60-T3-25 [2] | PFPRV-3-A60-T3-25-9 [3] | PFPRV-3-A60-T3-25-0 [3] | 450W |
| | 18,935 | Type IV | PFPRV-3-A60-T4-25 [2] | PFPRV-3-A60-T4-25-9 [3] | PFPRV-3-A60-T4-25-0 [3] | 450W |
| 30' | 6,192 | Type III | PFPRV-3-A15-T3-30 [3] | PFPRV-3-A15-T3-30-9 [4] | PFPRV-3-A15-T3-30-0 [4] | 150W |
| | 6,173 | Type IV | PFPRV-3-A15-T4-30 [3] | PFPRV-3-A15-T4-30-9 [4] | PFPRV-3-A15-T4-30-0 [4] | 150W |
| | 10,292 | Type III | PFPRV-3-A25-T3-30 [3] | PFPRV-3-A25-T3-30-9 [4] | PFPRV-3-A25-T3-30-0 [4] | 250W |
| | 10,261 | Type IV | PFPRV-3-A25-T4-30 [3] | PFPRV-3-A25-T4-30-9 [4] | PFPRV-3-A25-T4-30-0 [4] | 250W |
| | 15,203 | Type III | PFPRV-3-A40-T3-30 [3] | PFPRV-3-A40-T3-30-9 [4] | PFPRV-3-A40-T3-30-0 [4] | 400W |
| | 15,157 | Type IV | PFPRV-3-A40-T4-30 [3] | PFPRV-3-A40-T4-30-9 [4] | PFPRV-3-A40-T4-30-0 [4] | 400W |
| | 18,992 | Type III | PFPRV-3-A60-T3-30 [3] | PFPRV-3-A60-T3-30-9 [4] | PFPRV-3-A60-T3-30-0 [4] | 450W |
| | 18,935 | Type IV | PFPRV-3-A60-T4-30 [3] | PFPRV-3-A60-T4-30-9 [4] | PFPRV-3-A60-T4-30-0 [4] | 450W |

**NOTES:**

**1.** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.

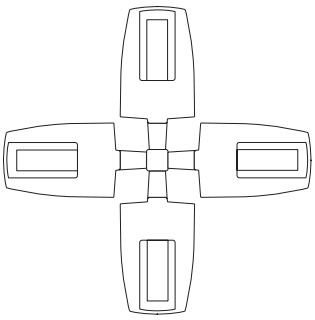
**2.** Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.

**3.** Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SFM4 and 30' combo SS5A30SFM4.

**4.** Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.

**5.** Refer to In Stock Guide for availability.

## FOUR FIXTURE CONFIGURATION
## (30FT CONFIGURATIONS WITH 80, 90, 100MPH WIND ZONES AND 25FT CONFIGURATIONS WITH 100MPH WIND ZONE USE 5" POLES)



EPA=3.00

| Mounting Height (Feet) | Lumens (Nominal) | Distribution | Maximum Wind Zone (MPH) | | | HID Equivalent (Wattage) |
|---|---|---|---|---|---|---|
| | | | 80 | 90 | 100 | |
| 15' | 6,192 | Type III | PFPRV-4-A15-T3-15 [2] | PFPRV-4-A15-T3-15-9 [2] | PFPRV-4-A15-T3-15-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-4-A15-T4-15 [2] | PFPRV-4-A15-T4-15-9 [2] | PFPRV-4-A15-T4-15-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-4-A25-T3-15 [2] | PFPRV-4-A25-T3-15-9 [2] | PFPRV-4-A25-T3-15-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-4-A25-T4-15 [2] | PFPRV-4-A25-T4-15-9 [2] | PFPRV-4-A25-T4-15-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-4-A40-T3-15 [2] | PFPRV-4-A40-T3-15-9 [2] | PFPRV-4-A40-T3-15-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-4-A40-T4-15 [2] | PFPRV-4-A40-T4-15-9 [2] | PFPRV-4-A40-T4-15-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-4-A60-T3-15 [2] | PFPRV-4-A60-T3-15-9 [2] | PFPRV-4-A60-T3-15-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-4-A60-T4-15 [2] | PFPRV-4-A60-T4-15-9 [2] | PFPRV-4-A60-T4-15-0 [2] | 450W |
| 20' | 6,192 | Type III | PFPRV-4-A15-T3-20 [2] | PFPRV-4-A15-T3-20-9 [2] | PFPRV-4-A15-T3-20-0 [2] | 150W |
| | 6,173 | Type IV | PFPRV-4-A15-T4-20 [2] | PFPRV-4-A15-T4-20-9 [2] | PFPRV-4-A15-T4-20-0 [2] | 150W |
| | 10,292 | Type III | PFPRV-4-A25-T3-20 [2] | PFPRV-4-A25-T3-20-9 [2] | PFPRV-4-A25-T3-20-0 [2] | 250W |
| | 10,261 | Type IV | PFPRV-4-A25-T4-20 [2] | PFPRV-4-A25-T4-20-9 [2] | PFPRV-4-A25-T4-20-0 [2] | 250W |
| | 15,203 | Type III | PFPRV-4-A40-T3-20 [2] | PFPRV-4-A40-T3-20-9 [2] | PFPRV-4-A40-T3-20-0 [2] | 400W |
| | 15,157 | Type IV | PFPRV-4-A40-T4-20 [2] | PFPRV-4-A40-T4-25-9 [2] | PFPRV-4-A40-T4-20-0 [2] | 400W |
| | 18,992 | Type III | PFPRV-4-A60-T3-20 [2] | PFPRV-4-A60-T3-20-9 [2] | PFPRV-4-A60-T3-20-0 [2] | 450W |
| | 18,935 | Type IV | PFPRV-4-A60-T4-20 [2] | PFPRV-4-A60-T4-20-9 [2] | PFPRV-4-A60-T4-20-0 [2] | 450W |
| 25' | 6,192 | Type III | PFPRV-4-A15-T3-25 [2] | PFPRV-4-A15-T3-25-9 [3] | PFPRV-4-A15-T3-25-0 [3] | 150W |
| | 6,173 | Type IV | PFPRV-4-A15-T4-25 [2] | PFPRV-4-A15-T4-25-9 [3] | PFPRV-4-A15-T4-25-0 [3] | 150W |
| | 10,292 | Type III | PFPRV-4-A25-T3-25 [2] | PFPRV-4-A25-T3-25-9 [3] | PFPRV-4-A25-T3-25-0 [3] | 250W |
| | 10,261 | Type IV | PFPRV-4-A25-T4-25 [2] | PFPRV-4-A25-T4-25-9 [3] | PFPRV-4-A25-T4-25-0 [3] | 250W |
| | 15,203 | Type III | PFPRV-4-A40-T3-25 [2] | PFPRV-4-A40-T3-25-9 [3] | PFPRV-4-A40-T3-25-0 [3] | 400W |
| | 15,157 | Type IV | PFPRV-4-A40-T4-25 [2] | PFPRV-4-A40-T4-25-9 [3] | PFPRV-4-A40-T4-25-0 [3] | 400W |
| | 18,992 | Type III | PFPRV-4-A60-T3-25 [2] | PFPRV-4-A60-T3-25-9 [3] | PFPRV-4-A60-T3-25-0 [3] | 450W |
| | 18,935 | Type IV | PFPRV-4-A60-T4-25 [2] | PFPRV-4-A60-T4-25-9 [3] | PFPRV-4-A60-T4-25-0 [3] | 450W |
| 30' | 6,192 | Type III | PFPRV-4-A15-T3-30 [3] | PFPRV-4-A15-T3-30-9 [4] | PFPRV-4-A15-T3-30-0 [4] | 150W |
| | 6,173 | Type IV | PFPRV-4-A15-T4-30 [3] | PFPRV-4-A15-T4-30-9 [4] | PFPRV-4-A15-T4-30-0 [4] | 150W |
| | 10,292 | Type III | PFPRV-4-A25-T3-30 [3] | PFPRV-4-A25-T3-30-9 [4] | PFPRV-4-A25-T3-30-0 [4] | 250W |
| | 10,261 | Type IV | PFPRV-4-A25-T4-30 [3] | PFPRV-4-A25-T4-30-9 [4] | PFPRV-4-A25-T4-30-0 [4] | 250W |
| | 15,203 | Type III | PFPRV-4-A40-T3-30 [3] | PFPRV-4-A40-T3-30-9 [4] | PFPRV-4-A40-T3-30-0 [4] | 400W |
| | 15,157 | Type IV | PFPRV-4-A40-T4-30 [3] | PFPRV-4-A40-T4-30-9 [4] | PFPRV-4-A40-T4-30-0 [4] | 400W |
| | 18,992 | Type III | PFPRV-4-A60-T3-30 [3] | PFPRV-4-A60-T3-30-9 [4] | PFPRV-4-A60-T3-30-0 [4] | 450W |
| | 18,935 | Type IV | PFPRV-4-A60-T4-30 [3] | PFPRV-4-A60-T4-30-9 [4] | PFPRV-4-A60-T4-30-0 [4] | 450W |

**NOTES:**

**1.** Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.

**2.** Supplied with 4A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 15' combo SS4A15SFM4, 20' combo SS4A20SFM4, and 25' combo SS4A25SFM4.

**3.** Supplied with 5A Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 25' combo SS5A25SFM4 and 30' combo SS5A30SFM4.

**4.** Supplied with 5M Square Straight Steel Shaft (SSS), Anchor Bolts (AB1), Template (TMP1), hardware and base cover. 30' combo SS5M30SFM4.

**5.** Refer to In Stock Guide for availability.

# Lumark

## DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modern design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A versatile mount standard arm facilitates ease of installation for both retrofit and new installations. With energy savings greater than 62%, the Prevail fixture replaces 150-450W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

| | | |
|---|---|---|
| **Catalog #** | | **Type** |
| **Project** | | |
| **Comments** | | **Date** |
| **Prepared by** | | |

## SPECIFICATION FEATURES

### Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

### Optics
Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with lumen packages ranging from 6,100 to 18,900 nominal lumens. Light engine configurations consist of 1 or 2 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/60,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

### Electrical
LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Available in 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options.

### Mounting
Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with a bolt facilitating quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting. Wall mount and mast arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenon.

### Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, black, dark platinum and graphite metallic.

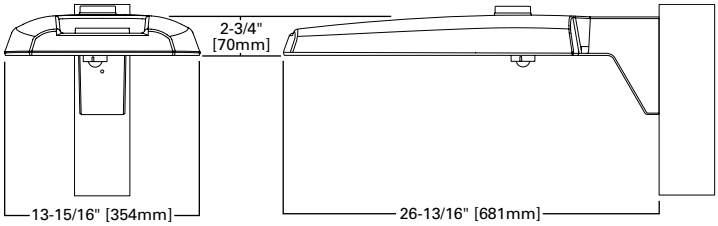
### Warranty
Five-year warranty.

**PRV** PREVAIL

**LED**

**AREA / SITE / ROADWAY LUMINAIRE**

## DIMENSIONS



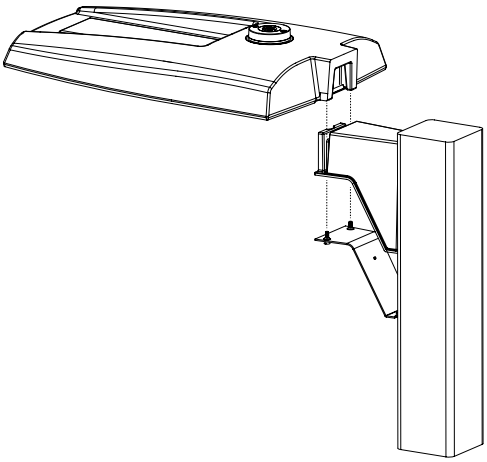

## CERTIFICATION DATA
UL and cUL Wet Location Listed
IP66-Rated
3G Vibration Rated
ISO 9001
DesignLights Consortium® Qualified*

## ENERGY DATA
**Electronic LED Driver**
0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 and 60Hz,
347V/60Hz, 480V/60Hz
-40°C Minimum Temperature Rating
+40°C Ambient Temperature Rating

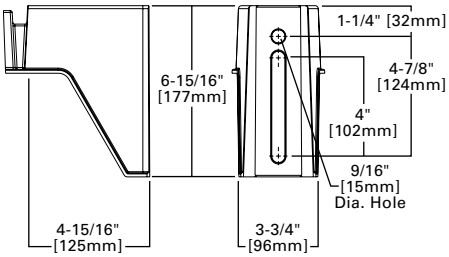
## EPA
**Effective Projected Area** (Sq. Ft.): 0.75

## SHIPPING DATA
**Approximate Net Weight:**
20 lbs. (9.09 kgs.)

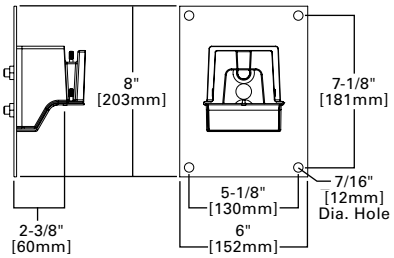
## VERSATILE MOUNT SYSTEM



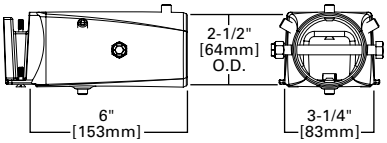
## POLE MOUNT ARM




## WALL MOUNT




## MAST ARM MOUNT




## MOUNTING CONFIGURATIONS AND EPAS

**Wall Mount**

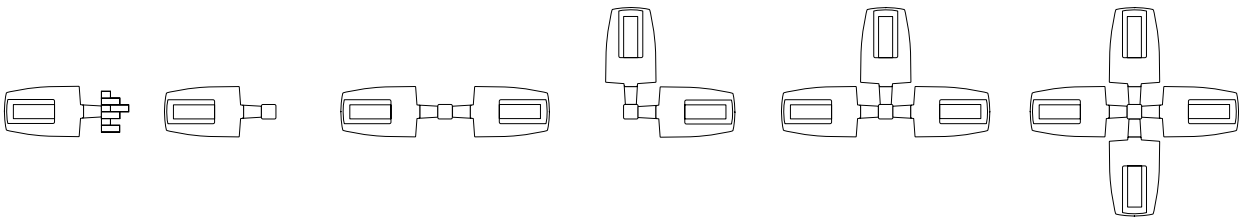
**Arm Mount Single**
EPA 0.75

**Arm Mount 2 @ 180°**
EPA 1.50

**Arm Mount 2 @ 90°**
EPA 1.50

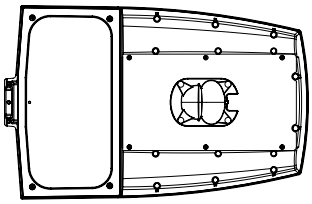
**Arm Mount 3 @ 90°**
EPA 2.25

**Arm Mount 4 @ 90°**
EPA 3.00

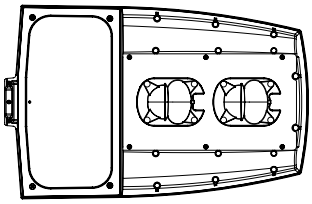


## OPTICAL CONFIGURATIONS

**A15** (6,100 Nominal Lumens)



**A25/A40/A60** (10,200/15,100/18,900 Nominal Lumens)



## POWER AND LUMENS

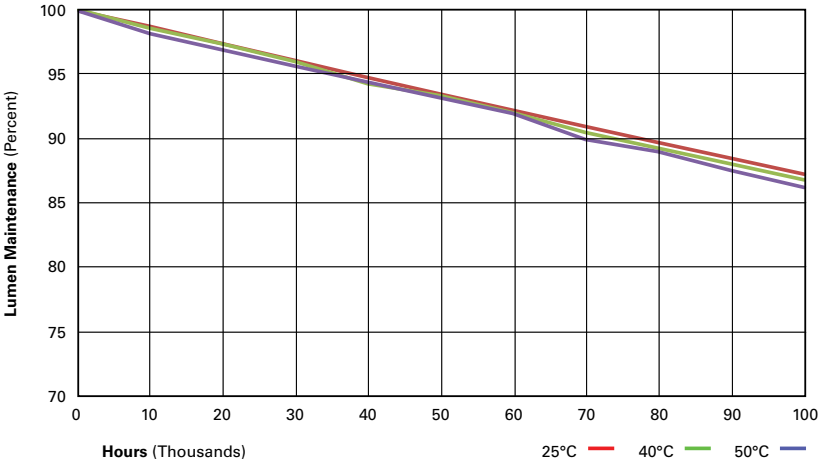
| Light Engine | | A15 | A25 | A40 | A60 |
|---|---|---|---|---|---|
| **Nominal Power** (Watts) | | 57W | 87W | 143W | 163W |
| **Input Current @ 120V** (A) | | 0.49 | 0.76 | 1.23 | 1.34 |
| **Input Current @ 277V** (A) | | 0.22 | 0.35 | 0.54 | 0.60 |
| **Input Current @ 347V** (A) | | 0.18 | 0.28 | 0.45 | 0.49 |
| **Input Current @ 480V** (A) | | 0.13 | 0.21 | 0.33 | 0.35 |
| **Type II** | Lumens | 6,139 | 10,204 | 15,073 | 18,830 |
| | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 |
| **Type III** | Lumens | 6,192 | 10,292 | 15,203 | 18,992 |
| | BUG Rating | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 |
| **Type IV** | Lumens | 6,173 | 10,261 | 15,157 | 18,935 |
| | BUG Rating | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B2-U0-G5 |
| **Type V** | Lumens | 6,393 | 10,627 | 15,697 | 19,610 |
| | BUG Rating | B3-U0-G3 | B4-U0-G3 | B4-U0-G4 | B5-U0-G4 |

**NOTE**: Lumen output for standard bronze fixture color. Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.

## LUMEN MAINTENANCE

| Ambient Temperature | 25,000 Hours* | 50,000 Hours* | 60,000 Hours* | Theoretical 100,000 Hours | Theoretical L70 (Hours)* |
|---|---|---|---|---|---|
| **25°C** | > 96% | > 93% | > 92% | > 87% | > 260,000 |
| **40°C** | > 96% | > 93% | > 92% | > 87% | > 255,000 |
| **50°C** | > 95% | > 92% | > 91% | > 86% | > 250,000 |

* Per IESNA TM-21 data.




## LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---|---|
| **10°C** | 1.02 |
| **15°C** | 1.01 |
| **25°C** | 1.00 |
| **40°C** | 0.99 |

Powering Business Worldwide

**Eaton**
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

## CONTROL OPTIONS

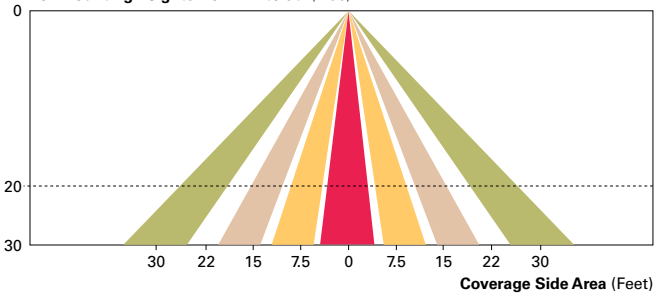
**0-10V** (D)
This fixture is offered standard with 0-10V dimming driver(s). The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol** (PER and PER7)
Photocontrol receptacles (PER and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

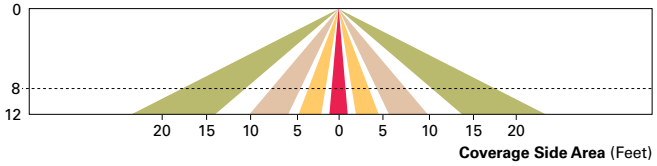
**Dimming Occupancy Sensor** (MSP/DIM-LXX, MSP/X-LXX and MSP-LXX)
These sensors are factory installed in the luminaire housing. When the MSP/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MSP/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MSP-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity.

These occupancy sensors includes an integral photocell that can be activated with the ISHH-01 accessory for “dusk-to-dawn” control or daylight harvesting -- the factory preset is OFF. The ISHH-01 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8’-30’.

**For mounting heights from 12' to 30'** (-L30)

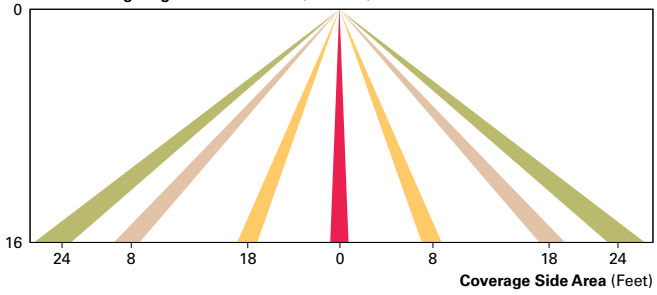



**For mounting heights from 8' to 12'** (-L12)

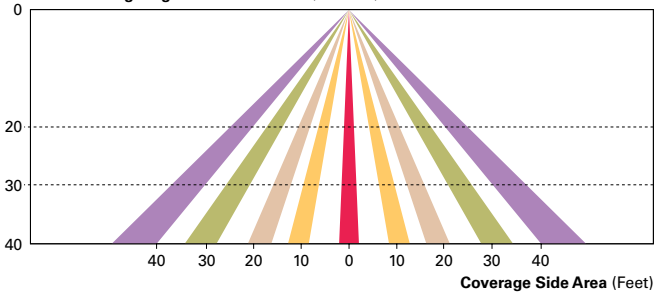



**LumaWatt Pro Wireless Control and Monitoring System** (LWR-LW and LWR-LN)
The Eaton’s LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

**For mounting heights from 8' to 16'** (LWR-LW)




**For mounting heights from 16' to 40'** (LWR-LN)




**WaveLinx Wireless Outdoor Lighting Control Module** (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

## ORDERING INFORMATION

**Sample Number:** PRV-A25-D-UNV-T3-SA-BZ

| Product Family [1,2] | Light Engine [3] | Driver [4] | Voltage | Distribution | Mounting | Color [6] |
|---|---|---|---|---|---|---|
| **PRV**=Prevail | **A15**=(1 LED) 6,100 Nominal Lumens<br>**A25**=(2 LEDs) 10,200 Nominal Lumens<br>**A40**=(2 LEDs) 15,100 Nominal Lumens<br>**A60**=(2 LEDs) 18,900 Nominal Lumens | **D**=Dimming (0-10V) | **UNV**=Universal (120-277V)<br>**347**=347V<br>**480**=480V [5] | **T2**=Type II<br>**T3**=Type III<br>**T4**=Type IV<br>**T5**=Type V | **SA**=Standard Versatile Arm<br>**MA**=Mast Arm<br>**WM**=Wall Mount Arm | **AP**=Grey<br>**BZ**=Bronze (Standard)<br>**BK**=Black<br>**DP**=Dark Platinum<br>**GM**=Graphite Metallic<br>**WH**=White |

| **Options** (Add as Suffix) | **Accessories** (Order Separately) [12] |
|---|---|
| **7030**=70 CRI / 3000K CCT [7]<br>**7050**=70 CRI / 5000K CCT [7]<br>**10K**=10kV/10kA UL 1449 Fused Surge Protective Device<br>**LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [8, 9,10]<br>**LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [8, 9,10]<br>**MSP/DIM-L12**=Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height<br>**MSP/DIM-L30**=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height<br>**MSP-L12**=Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height<br>**MSP-L30**=Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height<br>**PER**=NEMA 3-PIN Twistlock Photocontrol Receptacle [11]<br>**PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [11]<br>**HSS**=House Side Shield<br>**HA**=50°C High Ambient Temperature<br>**L90**=Optics Rotated 90° Left<br>**R90**=Optics Rotated 90° Right | **PRVWM-XX**=Wall Mount Kit<br>**PRVMA-XX**=Mast Arm Mounting Kit<br>**PRVSA-XX**=Standard Arm Mounting Kit<br>**HS/VERD**=House Side Shield<br>**MA1010-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1011-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1012-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1013-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1014-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1015-XX**=2@120° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1016-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon<br>**MA1017-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1018-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1019-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1045-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1048-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1049-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon<br>**MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon<br>**OA/RA1013**=Photocontrol Shorting Cap<br>**OA/RA1014**=NEMA Photocontrol - 120V<br>**OA/RA1016**=NEMA Photocontrol - Multi-Tap 105-285V<br>**OA/RA1027**=NEMA Photocontrol - 480V<br>**OA/RA1201**=NEMA Photocontrol - 347V<br>**ISHH-01**=Integrated Sensor Programming Remote<br>**WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [13] |

**NOTES**:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.
3. Standard 4000K CCT and 70 CRI.
4. Consult factory for driver surge protection values.
5. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
6. Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.
7. Extended lead times apply. Use dedicated IES files for 3000K and 5000K when performing layouts. These files are published on the Prevail luminaire product page on the website.
8. LumaWatt Pro wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for LumaWatt Pro application information.
9. LumaWatt Pro wireless system is not available with photocontrol receptacle (Not needed).
10. Not available in conjunction with A60 lumen package at HA (High Ambient).
11. Not available with MSP or LWR options.
12. Replace XX with paint color.
13. Requires 7-pin NEMA twistlock photocontrol receptacle.

## STOCK ORDERING INFORMATION

**Stock Sample Number:** PRVS-A25-UNV-T3

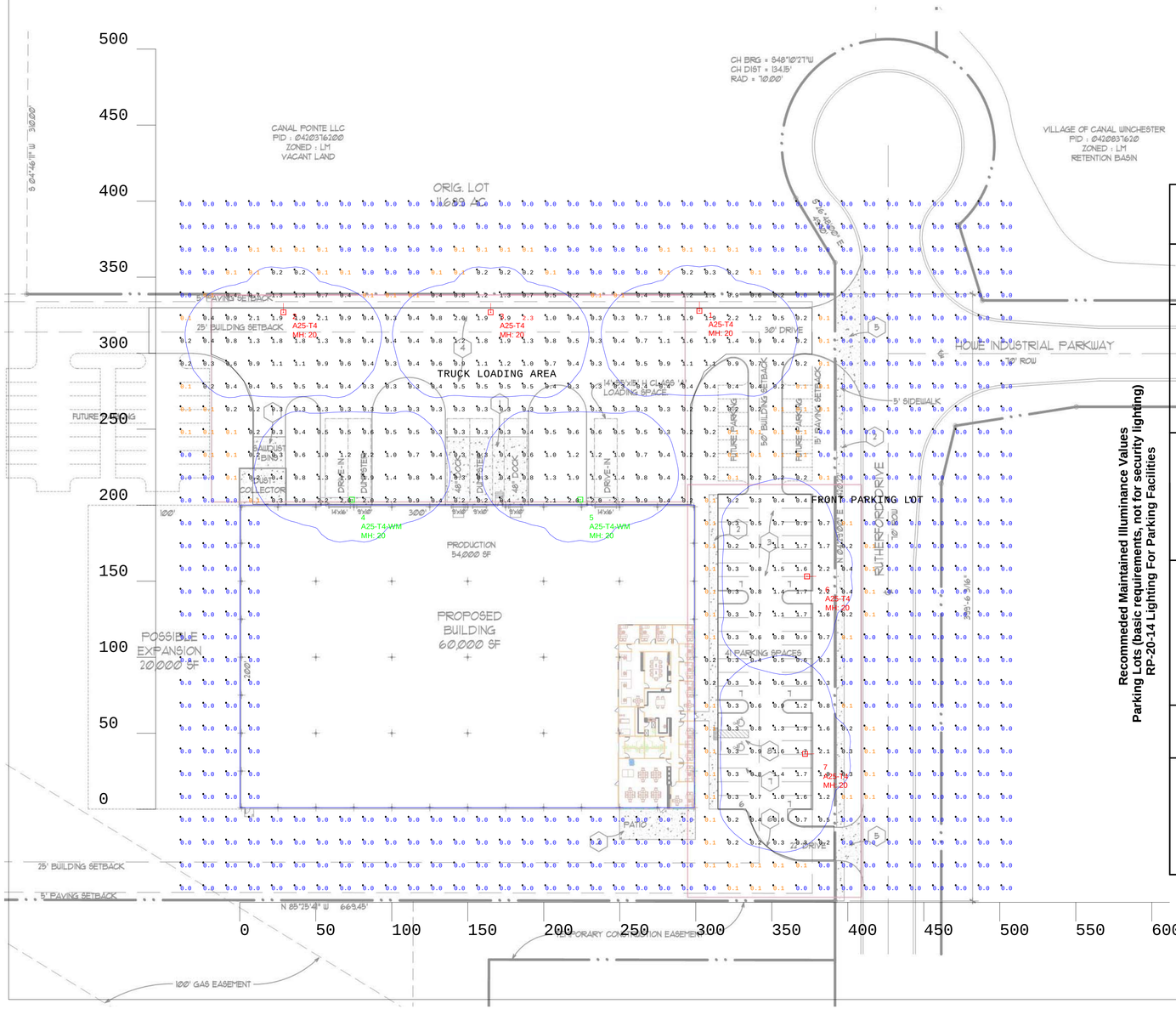
| Product Family | Light Engine | Voltage | Distribution | **Options** (Add as Suffix) |
|---|---|---|---|---|
| **PRVS**=Prevail | **A15**=(1 LED) 6,100 Nominal Lumens<br>**A25**=(2 LEDs) 10,200 Nominal Lumens<br>**A40**=(2 LEDs) 15,100 Nominal Lumens<br>**A60**=(2 LEDs) 18,900 Nominal Lumens | **UNV**=Universal (120-277V)<br>**347**=347V | **T3**=Type III<br>**T4**=Type IV | **MSP/DIM-L30**=Integrated Sensor for Dimming Operation, Maximum 30' Mounting Height |

**NOTE:** Bronze only, 4000K CCT, 120-277V, 347V, standard mounting arm, standard non-fused 10kV MOV and 0-10V dimming.

| Luminaire Schedule | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Arrangement | LLF | Description | Lum. Watts | Total Watts | Lum. Lumens |
| | 5 | A25-T4 | SINGLE | 0.864 | PRV-A25-D-UNV-T4-BZ | 87 | 435 | 10261 |
| | 2 | A25-T4-WM | SINGLE | 0.864 | PRV-A25-D-UNV-T4-BZ (WALL MOUNTED) | 87 | 174 | 10261 |

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| CalcPts@GRADE | Illuminance | Fc | 0.28 | 2.3 | 0.0 | N.A. | N.A. |
| FRONT PARKING LOT | Illuminance | Fc | 0.78 | 1.9 | 0.2 | 3.90 | 9.50 |
| TRUCK LOADING AREA | Illuminance | Fc | 0.80 | 2.3 | 0.2 | 4.00 | 11.50 |

| Luminaire Location Summary | | | | | |
|---|---|---|---|---|---|
| LumNo | Label | X | Y | Z | Orient |
| 1 | A25-T4 | 302.4 | 333.8 | 20 | 270 |
| 2 | A25-T4 | 28.7 | 332.9 | 20 | 270 |
| 3 | A25-T4 | 165.1 | 332.9 | 20 | 270 |
| 4 | A25-T4-WM | 73.8 | 200.7 | 20 | 90 |
| 5 | A25-T4-WM | 224 | 200.7 | 20 | 90 |
| 6 | A25-T4 | 379.2 | 153.2 | 20 | 180 |
| 7 | A25-T4 | 377.9 | 36.5 | 20 | 180 |




**Recommeded Maintained Illuminance Values**
**Parking Lots (basic requirements, not for security lighting)**
**RP-20-14 Lighting For Parking Facilities**

| Application and Task Parking Lots - All Ages | Grid Note | Description | Target Maintained Levels (fc) Horizontal Targets LZ4, LZ3, LZ2, LZ1 | Target Maintained Levels (fc) Vertical Targets @ 5' AFG LZ4, LZ3, LZ2, LZ1 | Horizontal Uniformity (avg/min) 4:1 | Horizontal Uniformity (max/min) 15:1 |
|---|---|---|---|---|---|---|
| R4 Asphalt Drive Aisles Parking Areas | @ Grade | Open Parking Facilities All Activity Levels | 0.50 FC MIN - Pre-curfew<br>0.20 FC MIN - Post-curfew | 0.25 FC MIN - Pre-curfew<br>0.10 FC MIN - Post-curfew | 4:1 | 15:1 |
| R1 Concrete Drive Aisles Parking Areas | @ Grade | Open Parking Facilities All Activity Levels | 1.00 FC MIN - Pre-curfew<br>0.20 FC MIN - Post-curfew | 0.50 FC MIN - Pre-curfew<br>0.10 FC MIN - Post-curfew | 4:1 | 15:1 |
| Transaction Areas R4 & R1 General Areas | @ Grade | Area extending 10 feet beyond transaction area in all directions to curb, property line, or structure | 1.00 FC MIN - Pre-curfew<br>0.20 FC MIN - Post-curfew | 0.50 FC MIN - Pre-curfew<br>0.10 FC MIN - Post-curfew | 4:1 | 15:1 |
| Transaction Machines R4 & R1 General Areas | @ Vertical | Over entire front face of pay machine | | 3.00 FC MIN - Pre-curfew<br>1.50 FC MIN - Post-curfew | 4:1 | 15:1 |

LZ1: Low Ambient Lighting - Rural and Low Density Residential Areas

LZ2: Moderate Ambient Lighting - Light Commercial Business District & Mixed Use Residential

LZ3: Moderately High Ambient Lighting - Large City Business District, Heavy Industrial & Manufacturing Zone

LZ4: High Ambient Lighting - High Intensity Business or Industrial Districts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e-mail: mkt-lightingapplications@eaton.com



We make no representation as to its completeness, currency or accuracy because of reasons inherent to CAD and the additional digital data used to produce a lighting application. All digital CAD data appear to be extremely accurate; however, this apparent accuracy is an artifact of the techniques used to generate it, and is in no way intended to imply actual accuracy. The user of this data takes full responsibility for the accuracy and correctness of all measurements, areas, inventories or other data extracted from this, either manually or by software. The results of any lighting application based on this data are intended for general guidance only. Final layout and locations based on specified light levels for exterior applications. Any variance from reflectance values, obstructions,light loss factors or dimensional data will affect the actual light levels obtained. This analysis is a mathematical model and can be only as accurate as is permitted by the third party software and the IES standards used. In addition manufacturing variances in lamp output, input voltage, voltage variances,manufacturing tolerances and application variances. The presence of objects will decrease light levels and may cause some shadowing. Lighting application drawings are being provided to the recipient of this disclaimer.

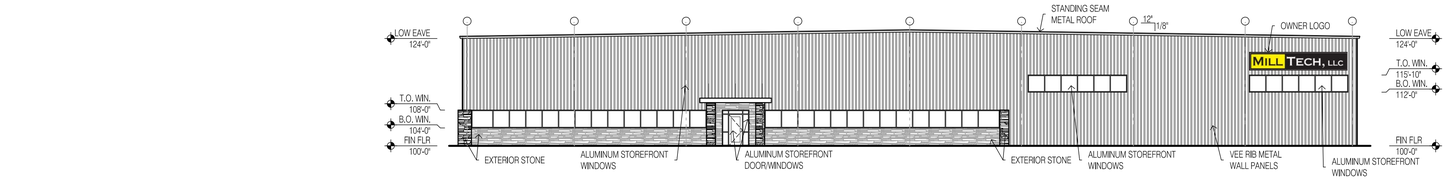

Project Name:
MILL TECH - CANAL WINCHESTER, OH

Client:
JEFF DOLCE - SPECTRUM LIGHTING

Drawn By:
EL

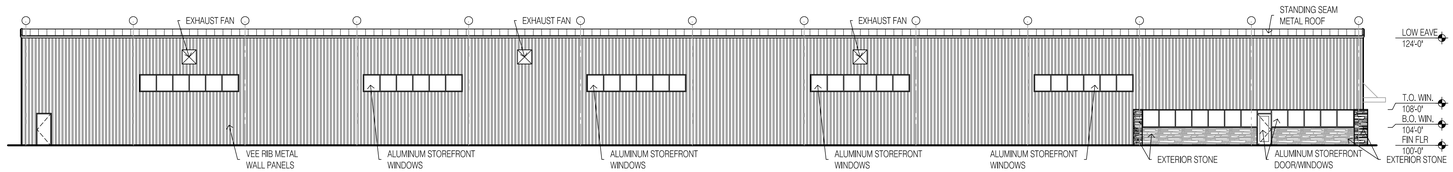
Date:
9/11/2018

Project No:
1801403.AGI



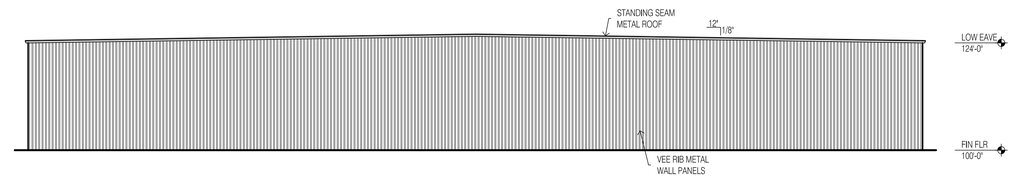

elevation A

1/16" = 1'-0"



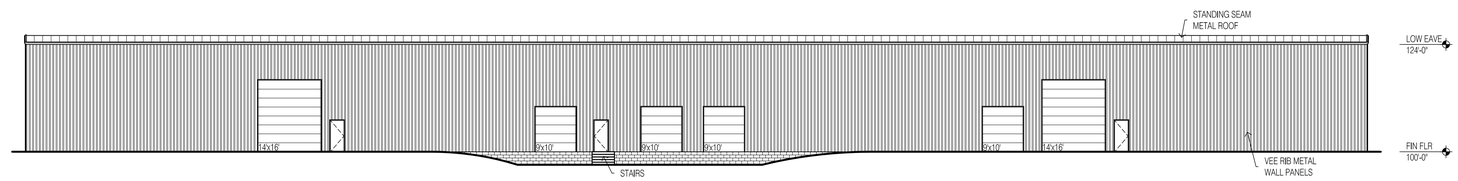

elevation B

1/16" = 1'-0"




elevation C

1/16" = 1'-0"




elevation D

1/16" = 1'-0"

CARNEY • RANKER
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mail@carneyranker.com

New Building For
# Mill Tech
Rutherford Drive

Canal Winchester, Ohio

CRA Proj. No.: 18-388
Drawn by: JCG
Checked By: CRH
Date: 9/6/18
Revisions

A1.02