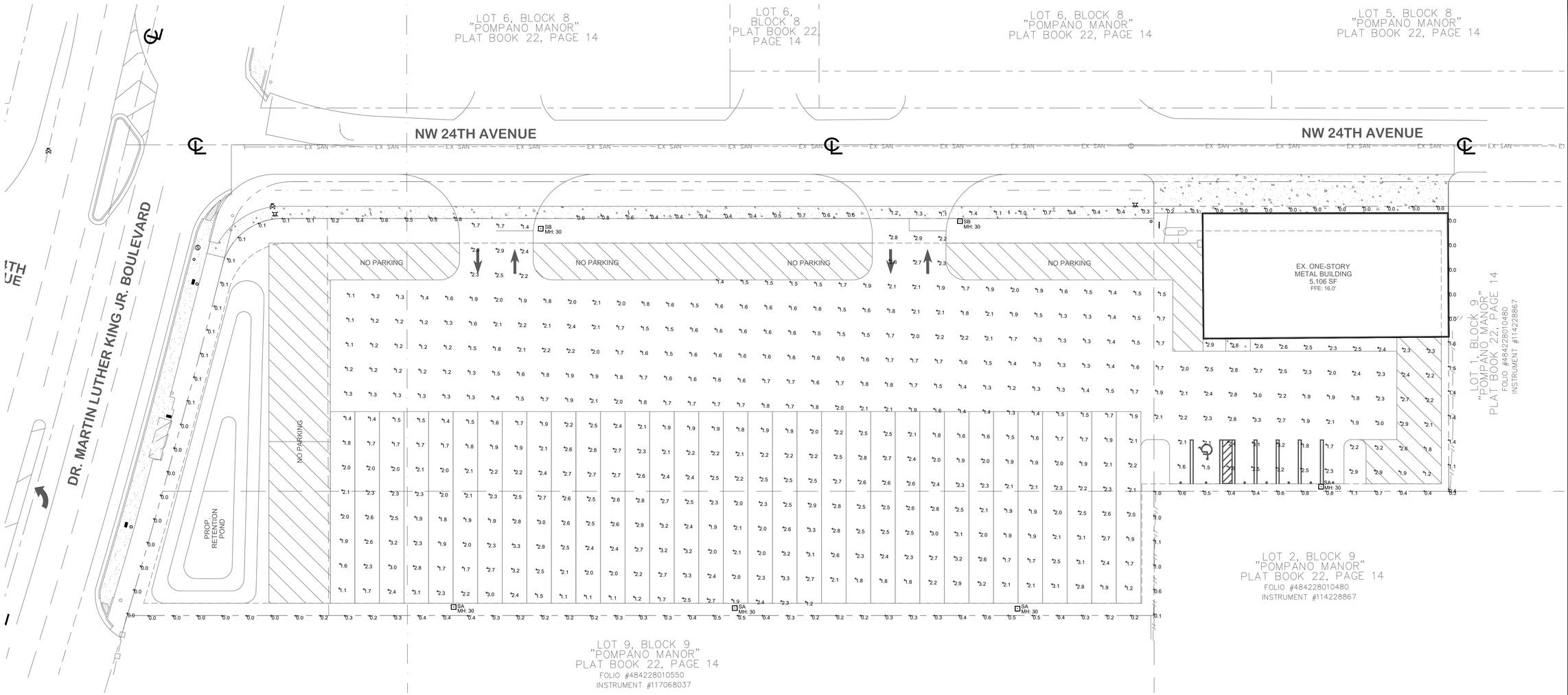


PHOTOMETRIC SITE PLAN

SCALE: 1" = 20'-0"

NORTH

Catalog #: _____ Project: _____ Type: _____

Prepared By: _____ Date: _____

V-Locity® Medium (VALM)

Outdoor LED Area Light

OVERVIEW	
Lumen Package	12,000 - 54,000
Wattage Range	71 - 352
Efficacy Range (LPW)	95 - 176
Weight lbs(kg)	30 (13.6)
Control Options	IMSBT, ALB, ALS, 7-Pin, PCI

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical units. Cast aluminum wiring access door located underneath.
- Self-contained optic, board and heat sink assembly can be rotated or replaced in the field.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: TBD lbs in carton.

Optical System

- State-of-the-Art acrylic optics delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary refractor optics available in 17 different distribution types 2, 3M, 3W, 4M, 4W, 4F, FTM, 5, 5QS, 5QN, 5QM, 5Q, 5QW, AM, WF and LC/RC). See photometric section for details.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANSI C78.377 as well as phosphor converted amber.
- Minimum CRI of 80 (optional 70 CRI for 5000K, 4000K, and 3000K).
- Factory or field installable integral shielding available for enhanced spill light control.
- Zero Uplight (excludes adjustable arms).

Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard, must specify EXT option for dimming leads to be extended to fixture exterior.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Power factor: > 90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- AirLink™ Blue wireless control system with technology partner Silvair incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim

Installation

- REDIMount pole mount arm allows for a true one person installation.
- Side arm pole mount designed to mount to square or round poles.
- Pole mount arms can accommodate pole drill patterns from 2.4 to 5" on center and utilize LSI's reduced B3 or traditional B5 drill patterns.
- Additional mounting options are available including a mast arm or adjustable slip fitter that allow for luminaire attachment to a 2 3/8" tenon or mast arm.
- Adjustable arms allow for 65° of tilt (-5° below horizontal to +60° above horizontal) in 5° increments.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- DarkSky approved with 3000K or warmer color temperature selection and fixed mounting arms / non-adjustable brackets..
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK07 rated luminaire per IEC 66262 mechanical impact code.

Utilities Structures, Inc.
PO Box 9303
2880 Ford Street
Fort Myers, FL. 33901

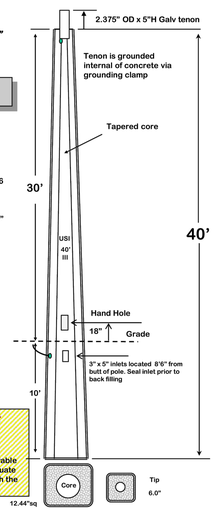
"Your concrete pole producer since 1988"

usipoles@aol.com
www.utilitiesstructures.com

USI40TIII-11686

Prestressed Concrete Pole
- **Pole Weight= 3,280lbs**
- **Wind speed= 175mph Vult**
- **Exposure = "C"**
- **Risk Category II**
- **Wind Gust = 3 seconds**
- **8th Edition 2023 FBC 1620 HVHZ, 1609, 1806**
- **ASCE 7-22**
- **Concrete= 8,000psi @ 28 days**
- **Grd. Wire= #6 Copper**
- **Strand= (4) .500" @ 70% Ultimate + (4) .500"**
- **Tenon= 2.375" x 5" Galv Tenon**

MP Structures
Ruth Powell, P.E., S.E.



PROJECT: Seaflower Town Center - Public
7535-7545 Cortez Road West
Bradenton, FL. 34210

This pole embedded 10' in to soils with an allowable passive pressure of 200pcf is structurally adequate to resist the local wind speeds Manatee Co. with the 3.0sqft epa.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Luminaire Lumens	Luminaire Watts	Arrangement Watts	LLF
▪	4	SA	Single	25382	223	223	0.900
▪	2	SB	Single	28402	223	223	0.900

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE @ 5' AFG	Illuminance	Fc	0.37	1.6	0.0	N.A.	N.A.
SITE	Illuminance	Fc	2.04	3.3	1.1	1.85	3.00

DEMISOL HOLDINGS, LLC

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS TYPE	VOLTS	LUMENS	INPUT WATTS	DIMMING	MOUNTING	REMARKS
SA	LSI / USI	FIXTURE: VALM-36L-4F-UNV-40K7-FINISH-SF-IS POLE: USI40TIII-11686	LED SITE LUMINAIRE W/ INTEGRAL SHIELD	LED	120-277V	25382	223	0-10V	30' CONCRETE POLE	ADVISE/CONFIRM FINISH
SB	LSI / USI	FIXTURE: VALM-36L-4W-UNV-40K7-FINISH POLE: USI40TIII-11686	LED SITE LUMINAIRE	LED	120-277V	28402	223	0-10V	30' CONCRETE POLE	ADVISE/CONFIRM FINISH

LIGHTING SCHEDULE NOTES:

FRM LIGHTING & CONTROLS

Revision	Date	Description
1		
2		
3		
4		
5		
6		
7		
8		

PHOTOMETRIC SITE PLAN for DEMISOL HOLDINGS, LLC 1550 NW 24TH AVENUE

CITY of POMPANO BEACH, BROWARD COUNTY, FL 33315

TYEC HVAC PLUMBING ELECTRICAL FIRE ALARM & SPRINKLER
THOMPSON & YOUNGROSS ENGINEERING CONSULTANTS, LLC
C.O.A. NO. 25996

ANDREW J. YOUNGROSS LICENSE NO. 51758 STATE OF FLORIDA PROFESSIONAL ENGINEER
9 / 30 / 2025

902 CLINT MOORE ROAD
SUITE 142
BOCA RATON, FLORIDA 33487
O: 561-274-0200
F: 561-274-0222
E: tec@tecfla.com
www.tecfla.com

THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.

Job Number: 25184

Issued for:
Site Submittal: 10/1/2025
50% Review
100% Review
Permit
Bid
Construction

Design By: MDT
Drawn By: MDT
Checked By: AJY / MDT
Scale : 1" = 20'-0"
Sheet : 1
of 1

PHOTOMETRIC SITE PLAN

SP-1

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY ANDREW J. YOUNGROSS ON THE DATE ADJACENT TO THE SEAL. USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

0225-12000031
11/05/2025

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