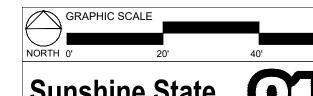


ONING	TOD-E	
ITE AREA	47,233SF	1.08 Acres
/EHICULAR USE AREA (VUA)	0	
	REQUIRED	PROVIDED
MPERVIOUS AREA	65%	62.00%
PERVIOUS AREA	35%	37.89%
/UA/PERIMETER BUFFER LANDSCAPE (Fronting North G Street, 10 th Ave. North and Alley)		
PERIMETER LANDSCAPE STRIP BETWEEN OFF-STREET PARKING AND R.O.W	5'	4.5' to 11.6'
100 LF OF VUA FRONTING R.O.W.		
LARGE TREE/ 25 LF		
MEDIUM TREE/ 20 LF	20	20
SMALL TREE/ 15 LF		
CONTINUOUS 3' HEDGE		Yes
PERIMETER LANDSCAPE BETWEEN OFF-STREET PARKING AND ABUTTING PROPERTIES	5'	5'
9 LF OF VUA FRONTING ABUTTING PROPERTY		
TREE/ 20 LF	5	5
CONTINUOUS 3' TO 6' HEDGE		Yes
ATTERIOR I ANDCOART FOR RARVING AREAS		
NTERIOR LANDSCAPE FOR PARKING AREAS		700
OTAL VUA LANDSCAPE ISLANDS (SF)	,	729
TREE/ 125 SF	6	6
NTERIOR LANDSCAPE (EXCLUSIVE OF VUA AND BUILDINGS)		3265 SF
LARGE TREE/ 625 SF		3203 31
MEDIUM TREE/ 400 SF		
SMALL TREE/ 225 SF	15	30
TOTAL INTERIOR LANDSCAPE TREES/PALMS		30
TOTAL INTERIOR LANGUAGE INCLUSATION	<u> </u>	
TREET TREES ALONG NORTH G STREET		3
TREET TREES ALONG 10TH AVENUE NORTH		2
	5	
TOTAL PLANT MATERIA		
TREES (TREES/PALMS	51	66
SHRUBS		
GROUNDCOVER:	6	
		
NATIVE PLANT MATERIAL CALCULATIONS		
EVENTY-FIVE (75) PERCENT OF REQUIRED TREES SHALL BE NATIVE	75%	78%
EVENTY-FIVE (75) PERCENT OF REQUIRED SHRUBS SHALL BE NATIVE	75%	98%
NO MORE THAT 50% OF LANDSCAPE AREAS SHALL BE SOD	3597	680
TO MORE HIM 30/0 OF EMIDOCALE MEDIO SHALL DE SOD	3377	000
	+	Yes

				drought			containe	r
QT	code	species	common name	tolerance	native	specifications	size	spacing
	TREES							
6	BU	Bursera simaruba	Gumbo Limbo	High	yes	16' ht. 6'"' DBH. 6' CT. Std.	FG	as showr
3	CE	Conocarpus erectus	Green Buttonwood	High	yes	16' ht. 4" DBH. 6' CT. Std.	FG	as showr
18	СО	Coccoloba diversifolia	Pigeon Plum	High	yes	14' ht. 4" DBH. Std.	FG	as showr
1	IC	llex cassine	Dahoon Holly	Medium	yes	12' ht. 3" DBH. Std	65 gal.	as showr
12	MY	Myrcianthes fragrans	Simpson's Stopper	High	yes	12' x 5' spr. 2.5" DBH Std	FG	as showr
7	QV	Quercus virginaina	Live Oak	High	yes	16' ht. 6" DBH. 6' CT. Std.	FG	as show
	EXISTING	S TREES						
1	QV-E	Quercus virginaina	Live Oak			Existing		as show
	<u>PALMS</u>							
4	ARX	Archontophoenix cunninghamiana	King Palm		no	8 ft CT, 16 Ht O.A.	FG	as shown
10	PTX	Ptychosperma elegans	Alexander Palm	Medium	no	8 ft CT, 16' O.A./Double	FG	as shown
4	THX	Thrinax radiata	Florida Thach Palm	High	yes	12' O.A./Double-trunk	FG	as shown
	SHRUBS,	GROUNDCOVERS & VINES						
80	CAP	Capparis cynophallophora	Jamaican Caper	High	yes	18" ht x 18" spr.	3 Gal.	24" O.C.
227	CHR	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	Medium	yes	30" O.A.	7 Gal.	30" O.C.
64	cos	Conocarpus erectus 'Sericeus'	Silver Buttonwood	High	yes	30" O.A.	7 Gal.	30" O.C.
10	CRL	Crinum asiaticum 'Variegated'	Crinum Lily	High	no	30" O.A.	7 Gal.	42" O.C.
162	DII	Dietes iridioides	African Iris	Medium	no	18" O.A./ Full Clump	1 Gal.	24" O.C.
17	FIM	Ficus microcarpa 'Green Island'	Green Island Ficus	High	naturalized	18" O.A.	3 Gal.	24" O.C.
136	НАМ	Hamelia nodosa	Dwarf Firebush	Medium	yes	24" ht x 24" spr.	3 Gal.	36" O.C.
157	ILX	llex vomitoria 'Schillings Dwarf'	Dwarf Yaupon Holly	High	yes	18" ht x 18" spr.	3 Gal.	24" O.C.
5	SPX	Serenoa repens	Saw Palmetto	High	yes	24" O.A./ Full Clump	7 Gal.	42" O.C.
741	TRA	Trachelospermum asiaticum	Asiartic Jasmine	High	no	10" O.A. Full	1 Gal.	15" O.C.
61	TRF	Tripsacum floridanum	Dwarf Fakahatchee Grass	Medium	yes	24" O.A./ Full Clump	3 Gal.	30" O.C.
14	ZAP	Zamia pumila	Coontie	High	yes	24" O.A./ Full Clump	3 Gal.	30" O.C.
	SOD							
680	SOD	Stenotaphrum secundatum	St. Augustine Grass		yes	Staggerd Panels		
070	2000		Ct. Assessation of Courses			CI ID I		1

- 1. THE UNPAVED PORTION OF THE RIGHT-OF-WAY ADJACENT TO THE PROPERTY LINE TO BE LANDSCAPED AND PROVIDED WITH IRRIGATION AND MAINTENANCE.
- 2. ROOT BARRIERS SHALL BE INSTALLED AT ALL TREES/PALMS THAT ARE PLANTED WITHIN FIVE (5) FEET OF UNDERGROUND UTILITIES OR UTILITY EASEMENT.
- 3. ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH A FULLY AUTOMATICALLY OPERATED IRRIGATION SYSTEM. IRRIGATION SYSTEM SHALL PROVIDE COMPLETE COVERAGE OF ALL PLANT MATERIALS. THIS SYSTEM SHOULD HAVE RAIN SENSOR AND SHOULD AUTOMATICALLY SHUT OFF WHEN RAINING.
- 4. WITHIN VISIBILITY TRIANGLES, LANDSCAPE SHALL BE MAINTAIN TO PROVIDE CLEAR VISIBILITY WITHOUT OBSTRUCTION FROM AN AREA BETWEEN THIRTY (30) INCHES AND EIGHT (8) FEET ABOVE AVERAGE ELEVATION OF THE INTERSECTION.



Sunshine State

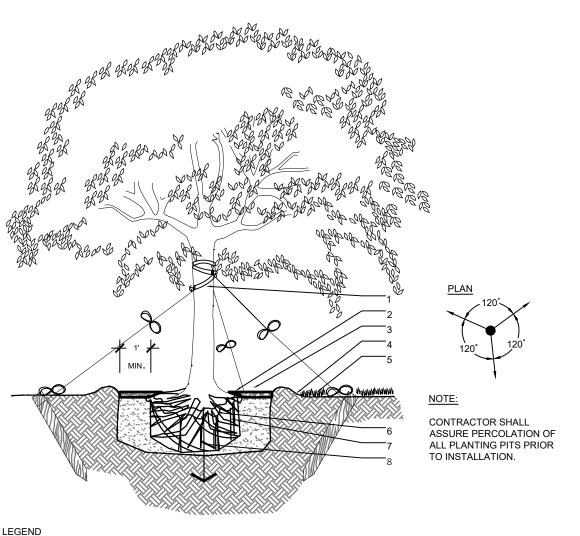
One Call Know what's below. Call before you dig.

By:						
ion:						
Rev: Date: Description:						
Date:						
Rev:	\bigvee	$\sqrt{2}$	$\sqrt{3}$	4	\\$/	\bigvee

JUNE 15, 2022

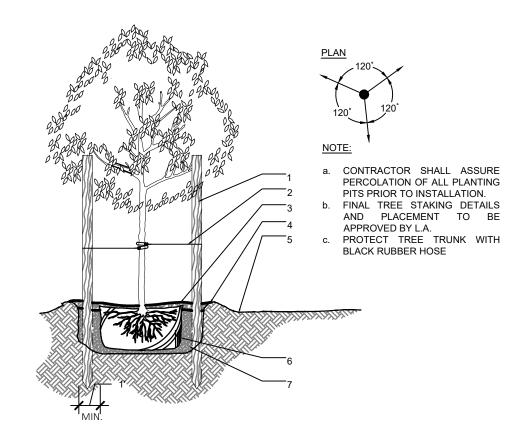
Drawn By: AEM/GMP/MEP Approved By: Project No: 202206

Sheet Number:



1. 2" NYLON STRAPPING W/RUBBER HOSE-WRAPPED 360 AROUND TRUNK BEFORE TYING- WRAP @ LATERAL BRANCH 3" MULCH AS SPECIFIED MIN 24" FROM TRUNK SOIL BERM TO HOLD WATER . 2"x4"x3' STAKES BURIED 3" BELOW FINISHED GRADE.

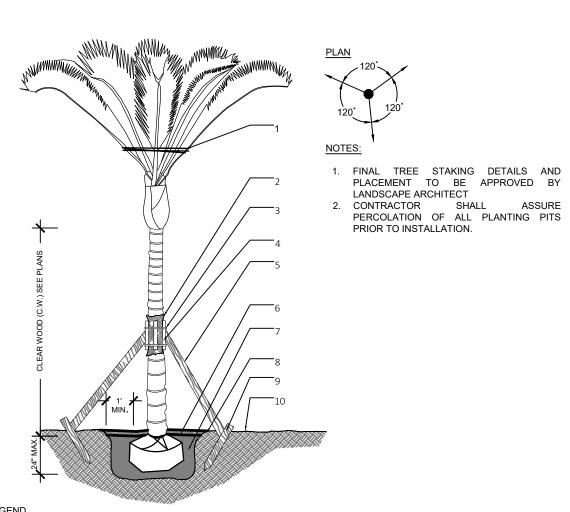
- FINISHED GRADE SOD CONDITION (SEE GRADING PLAN) B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS). PREPARED PLANTING SOIL AS SPECIFIED.
- AUGER PER SPECS FOR PERCOLATION
- 2 LARGE TREE SECTION SCALE: N.T.S



THREE 2"x4"x8" STAKES SPACE EVENLY AROUND TREE PAINTED BROWN. #10 GUAGE WIRE.

- FINISHED GRADE (SEE GRADING PLAN). B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
- SMALL TREE d-Small tree.dw SCALE: N.T.S

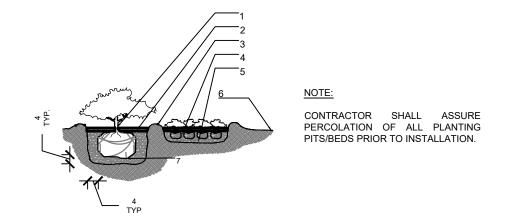
PREPARED PLANTING SOIL AS SPECIFIED.



PRUNE AND TIE FRONDS WITH HEMP TWINE.

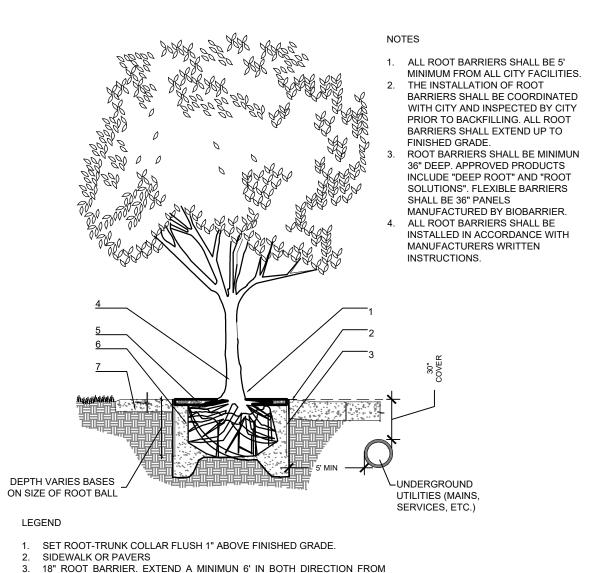
- TWO LAYERS OF BURLAP TO PROTECT TRUNK. TWO STEEL BANDS TO SECURE BATTONS
- THREE 2" X 4" X 18" WOOD BATTONS 5. 3-2" X 4" LUMBER POLE BRACES. NAIL (DRILL AND NAIL IF NECESSARY) TO BATTONS & 2" X4" STAKES. FLAG AT
- 6 3" MIN MUI CH- SEE SPECIFICATIONS PREPARED PLANTING SOIL AS SPECIFIED. PALMS SHALL BE PLANTED WITH THE TOP OF ROOTBALL AT FINISHED
- 8. BERM SOIL TO HOLD WATER 9. 2" X 4" X 3' WOOD STAKES 10. FINISH GRADE

5 SMALL PALM SECTION d-Small palm.DWG SCALE: N.T.S

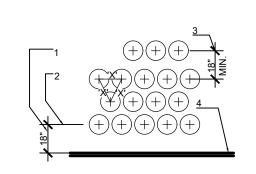


- PLANT MATERIAL SHALL BE PLANTED 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOT BALL 3" MINIMUM OF MULCH
- SOIL BERM TO HOLD WATER MINIMUN DEPTH OF 12" PLANTING SOIL FOR GROUNDCOVER BED
- EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED. FINISHED GRADE (SEE GRADING PLAN)
- PREPARED PLANTING SOIL AS SPECIFIED NOTE: WHEN GROUNDCOVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE EXCAVATED TO RECEIVE PLANTING SOIL & PLANT MATERIAL, UNLESS NOTED OTHERWISE

8 SHRUBS & GROUNCOVERS SECTION SCALE: N.T.S



SCALE: N.T.S



- SETBACK FOR SHRUBS PLANTED 24" O.C. OR GREATER. SETBACK FOR GROUNDCOVER AND ANNUALS
- PROVIDE MIN. 18" SPACING BETWEEN DIFFERENT PLANT TYPES.

ALL SHRUBS AND GROUNDCOVER MASSES TO USE TRIANGULAR SPACING EXCEPT WHERE NOTED REFER TO PLANT LIST FOR INDIVIDUAL PLANT SPACING "X"

THE CENTERLINE OF THE TREES.

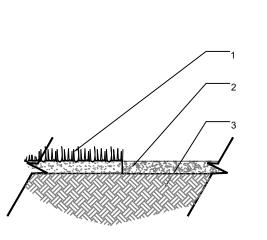
CENTER TREE IN PLANTER OPENING

CONCRETE SIDEWALK.

BACKFILL WITH TOPSOIL OR AMENDED TOPSOIL.

ROOT BARRIER INSTALLATION

9 TYPICAL PLANT SPACING d-Typical spacing.DW0 SCALE: N.T.S



LEGEND

2" NYLON STRAPPING

THREE-2"X2"X8' STAKES

3" MULCH AS SPECIFIED

SOIL BERM TO HOLD WATER

4 MULTI-TRUNK TREE

PREPARED PLANTING SOIL AS SPECIFIED

). MULCH CONTINUES - SHRUB BED CONDITION

FINISHED GRADE - SOD CONDITION (SEE GRADING PLAN).

B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).

d-Multi-trunk tree.dwa

SCALE: N.T.S

- SOD (PROVIDE CLEAN, SMOOTH EDGE BETWEEN SOD AND MULCHED AREAS). 3" DECORATIVE MULCH. (SEE SPECIFICATIONS) 3. PLANTING SOIL (FINE RAKED AND FREE OF WEEDS AND OTHER DELETERIOUS MATERIALS, SEE SPECIFICATIONS)

ALL MULCH SHALL BE FREE OF FIRE ANTS AND DEBRIS ONLY ENVIRONMENTAL FRIENDLY MULCH SHALL BE APPROVED

10 MULCH SECTION

d-Mulch.DWG SCALE: N.T.S

GENERAL NOTES

FINAL TREE STAKING DETAILS AND PLACEMENT TO BE

PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

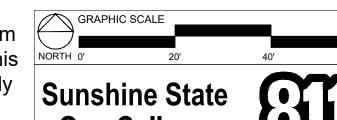
APPROVED BY THE L.A. CONTRACTOR SHALL ASSURE

- Before construction begins, the Landscape Contractor is responsible for locating all underground utilities and must avoid damaging any services during construction. If any damage occurs by fault of the Contractor, the necessary repairs must take place at the Landscape Contractor's expense and under the supervision of the Owner's representative.
- 2. All proposed trees and plant materials shall be graded as Nursery Grade Florida No. 1 or better as outlined by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry "Grades and standards for Nursery Plants", most current edition. All planting shall be done in accordance with the Florida Nurserymen's and Grower's Association approved practices.
- 3. In addition to these requirements the Landscape Contractor shall comply with all local landscape codes and requirements as part of this base bid and contract in order to satisfy the review and approval of the governing agency.
- 4. All screening hedges shall be planted and maintained in a way that they form a continuous visual screen. Screening hedges at VUA to be maintained at a minimum height of thirty (30) inches.
- 5. All planting beds shall be excavated to a minimum depth of twenty-four (24") inches and backfilled with a suitable soil. All plant material shall be planted in planting soil that is delivered to the site in a loose, clean and friable condition. The planting soil shall be the approximate proportions as follows: 50% sand and 50% organic material consisting of native peat, well-decomposed sawdust, leaf mold and top soil. It shall provide a good pliable and thoroughly mixed medium with adequate aeration, drainage and water-holding capacity. It shall also be free of all extraneous debris, such as roots, stones, weeds, etc.
- 6. All trees/palms and shrubs shall be fertilized with "Agriform" 20-10-5 planting tablets as per the manufacturers specifications at the time of installation and prior completion of pit backfilling also in conjunction with note #5. Tablets to be placed uniformly around the root mass at a depth that is between the middle and bottom of root mass at an application rate of: One (1) - 21 gram tablet for 1 gal container, two (2)- tablets for 3 gal container, three (3)- tablets for 5 gal container, four (4)-tablets for 7 gal container, three (3)-tablets for each 1/2 inch of tree caliper, and seven (7) tablets for palms. Ground Cover areas shall receive fertilization with "Ozmocote" time release fertilizer as per manufacturer's specification.
- 7. All plant beds shall receive a 3" layer of organic mulch, which is to be watered-in after installation. Mulch should be at least six (6) inches away from any portion of a structure or tree trunk and three (3) inches away from the base of shrubs. Only environmental friendly mulch shall be approved, Cypress mulch shall not be accepted.
- 8. All plant material shall be thoroughly watered in at the time of planting and until landscape material is established. No dry material shall be permitted.
- 9. The plant material schedule is presented for the convenience of the Landscape Contractor. In the event of a discrepancy between the plan and the plant key, the plan shall prevail.
- 10. Plants shall meet size, container, and spacing specifications. Any material not meeting specifications shall be removed and replaced at the contractor's expense.
- 11. All tree and shrub locations shall be approved by Landscape Architect prior to planting.
- 12. The Landscape Contractor shall grade planting beds, as required, to provide positive drainage and promote optimum plant growth.
- 13. The Landscape Contractor shall be responsible for examining fully both the site and bid documents. Discrepancies in the documents or the actual site conditions shall be reported to the Landscape Architect in writing at the time of bidding or discovery. No account shall be made after contract completion for failure by the Landscape Contractor to report such condition or for errors on the part of the Landscape Contractor at the time of bidding.
- 14. The Landscape Contractor shall be responsible for securing all necessary applicable permits and licenses to perform the work set forth in this plan set and the specifications.
- 15. Plant material shall be bid as specified unless unavailable, at which time the Landscape Architect shall be notified in writing of intended changes.
- 16. All questions concerning the plan set and/or specifications shall be directed to the Landscape **Architect**
- 17. There shall be no additions, deletions or substitutions without written approval of the Landscape
- 18. The Landscape Contractor shall guarantee, in writing, plant survivability. Trees and palms for twelve (12) months, shrubs and groundcovers for ninety (90) days and sod for sixty (600 days from final acceptance by the Owner or Owner's representative.
- 19. All dimensions to be field-checked by the Landscape Contractor prior to landscape material installation. Discrepancies shall be reported immediately to the Landscape Architect.
- 20. All materials must be as specified on the landscape plan. If materials or labor do not adhere to specifications, they will be rejected by the Landscape Architect with proper installation carried out by the Landscape Contractor at no additional cost.
- 21. Existing sod shall be removed as necessary to accommodate new plantings
- 22. All existing trees on site shall be protected from damage during construction See existing tree protection fence detail.
- 23. Any existing landscape and hardscape areas that are unnecessarily disturbed during the landscape installation shall be restored to original conditions by the Landscape Contractor.
- 24. The Landscape Contractor will be responsible for the collection, removal, and proper disposal of any and all debris generated during the installation of this project.
- 25. All landscape areas to have a positive drainage away from buildings and structures. Finished grade of landscape areas to be at or below the grade of adjacent sidewalks, slabs or VUA
- 26. Trees installed within 5' of a utility easement, underground utilities or any public infrastructure shall utilize a root barrier system.

IRRIGATION NOTES:

1. All landscape areas shall be provided with a fully automatically operated irrigation system. Irrigation system shall provide complete coverage of all plant materials. this system should have rain sensor and should automatically shut off when raining. Irrigation system to comply with applicable jurisdictional requirements.

2. Irrigation system to use potable water.



One Call

Know what's below. Call before you dig.



By:							
ption:							
Descri							
Rev: Date: Description:							
Rev:	\forall	$\sqrt{5}$	\8/	4	\§	$\sqrt{9}$	

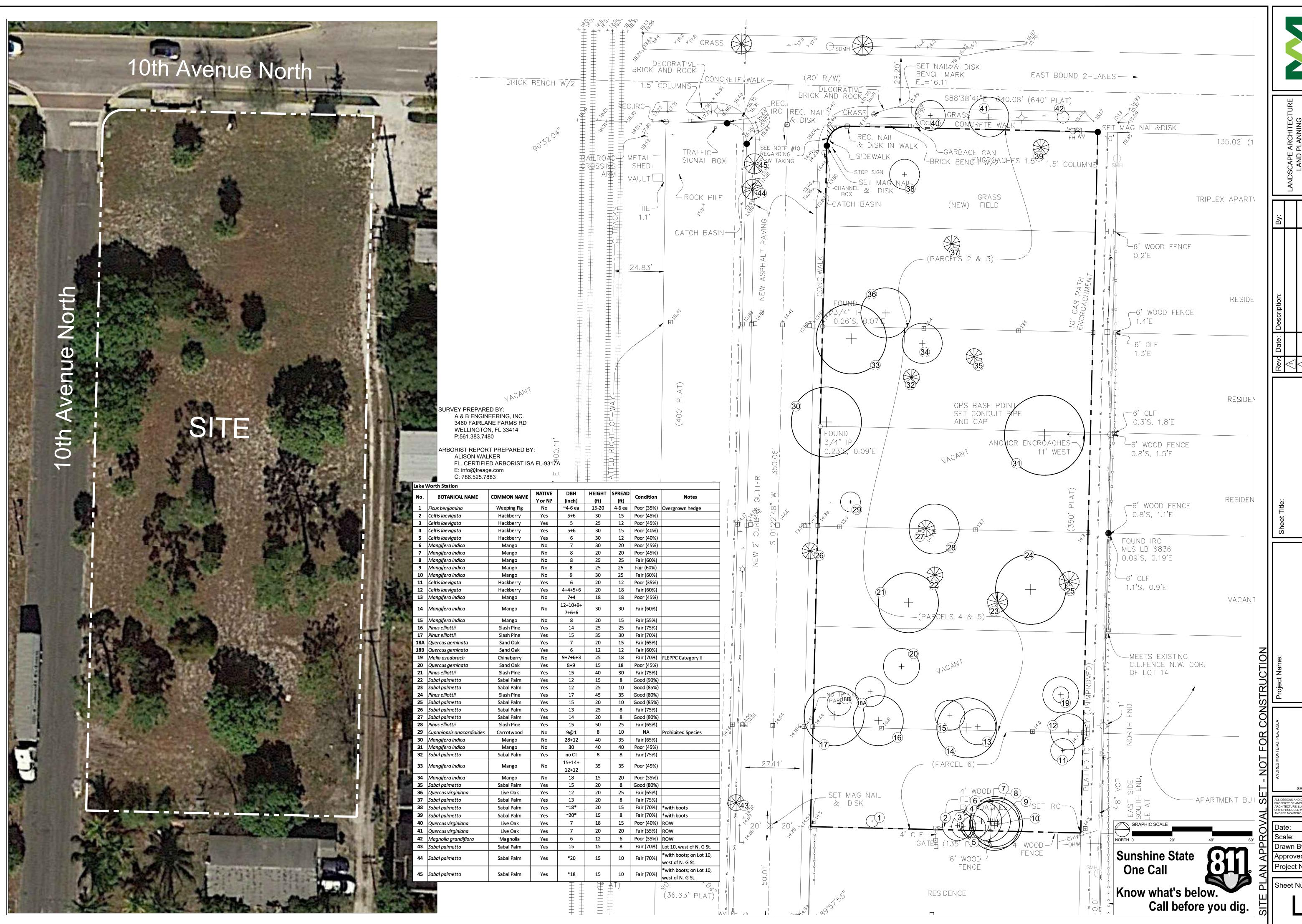
TAIL! APE

ANDS & GE 'ATION

JUNE 15, 2022

Drawn By: AEM/GMP/MEF Approved By: Project No: 202206

Sheet Number:





ANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN
2208 NE 26 TH STREET, #1
FORT LAUDERDALE, FLORIDA 33305 USA
TEL: 954.533.8259
www.amlastudio.com
LC26000598

 Rev: Date: Description:
 By:

 1
 By:

 2
 By:

 3
 By:

 4
 By:

 6
 By:

SITE AERIAL & PROPERTY SURVEY

AKE WORTH STATION
10th Ave. North & North G St.
Lake Worth, FL 33460

SEAL / SIGNATURE

STATE OF FLORIDA

REGISTRATION LA6666973

SEAL / SIGNATURE

DESIGNS AND DETAILS ON THIS DRWAWING ARE THE PERTY OF ANDRES MONTERO LANDSCAPE HITECTURE, LLC. AND SHALL NOT BE USED, COPIEL REPRODUCED WITHOUT WRITTEN PERMISSION FROM THE RES MONTERO LANDSCAPE ARCHITECTURE, LLC.

Date: JUNE 15, 2022

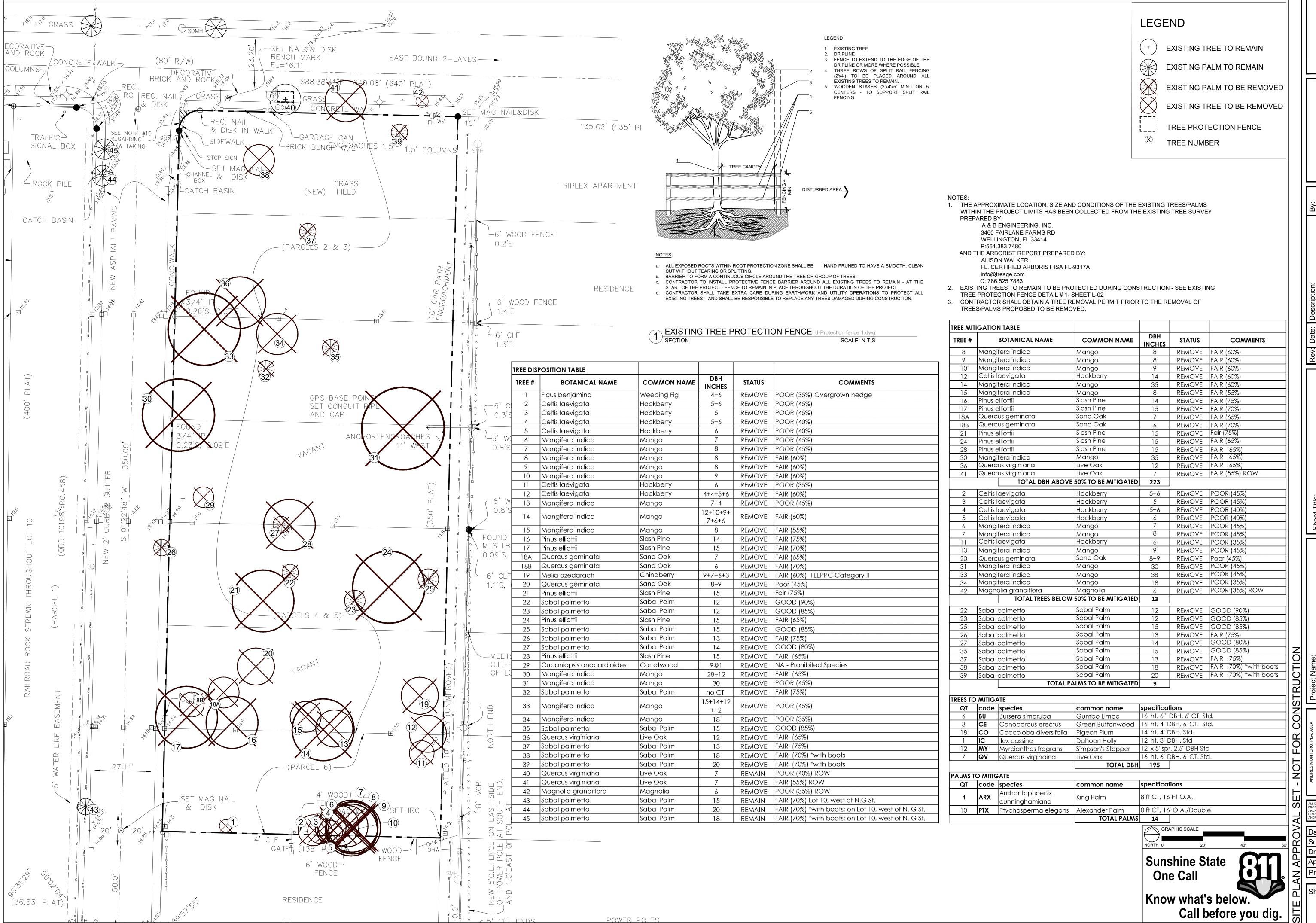
Scale: 1" = 20'

Drawn By: AEM/GMP/MEP

Approved By: AEM

Project No: 202206
Sheet Number:

heet Number:



ATION WORTH STA Oth Ave. North & North G S Lake Worth, FL 33460

JUNE 15, 2022 Drawn By: AEM/GMP/MEP

Approved By: Project No: 202206

Sheet Number:

SITE LIGHTING NOTES

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPY- RIGHT THERETO. REPRODUCTION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES HE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSPOSICITION.

PROSECUTION.

©

The Martin Architectural Group, P.C.

MARTIN

DRAWN BY:

PROJECT NO.:

PERMIT SET

DFH

JVS

222028

- A THE SITE LIGHTING SHOWN HAS BEEN DESIGNED WITH A COMPUTERIZED POINT BY POINT PHOTOMETRIC LAYOUT.
- B SITE LIGHTING SHALL BE INSTALLED AS SPECIFIED ON THIS DRAWING. NO FIXTURE SUBSTITUTION WILL BE ACCEPTED BY THIS OFFICE. THIS WILL BE ENABLE LIGHTING CERTIFICATION LETTER TO BE DONE BY OUR OFFICE.
- IF ANY SITE LIGHTING SUBSTITUTION IS MADE, CERTIFICATION LETTER & TEST FOR LIGHTING SHALL BE SIGNED & SEALED BY AN INDEPENDENT PROFESSIONAL
- THE POLE MANUFATURER SHALL SUPPLY ANY REQ'D CERTIFICATION FOR THE RECOMMENDED BURIAL DEPTH TO COMPLY WITH FLORIDA BUILDING CODE
- E SOIL SHALL BE TESTED AND IF REQUIRED A CONCRETE FOOTING SHALL BE DONE

GENERAL DISCLAIMER:
ANY DESIGN CHANGES, TO THE SYSTEM COVERED BY THESE
PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER WHO
PREPARED THESE PLANS, WILL NULL AND VOID THESE PLANS AND THE REVISED INSTALLATION. IN ADDITION, ALL EXPENSES ASSOCIATED WITH RETURNING THE SYSTEM TO ITS ORIGINAL DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE PERMIT COMMENTS.



www.formicaengineering.com

© , The Martin Architectural Group, P.C.

DATE:

AS NOTED

2022/04/06

2. Mounts to a 4" round pole with adapter included for

4. Not available with other dimming control options.

G GARDCO

by (Signify

Ordering guide

DD4.18 0-10V External dimming (for controls by others)

DCC^{4,5,6,18} Dual Circuit Control FAWS^{4,5,18} Field Adjustable Wattage Selecto

LLC^{4,6,7,8,18} Integral wireless module
BL^{1,4,7,18} Bi-level functionality SRDR^{4,5,6,8,17} SR driver connected to Zhaga socke

DynaDimmer: Automatic Profile Dimming CS50^{4,8} Safety 50% Dimming, 7 hours CM50^{4,8} Median 50% Dimming, 8 hours CS30^{4,8} Safety 30% Dimming, 7 hours CM30^{4,8} Median 30% Dimming, 8 hours

2. Mounts to a 4" round pole with adapter included for

ECF-S_EcoForm_area_small 01/22 page 1 of 9

3. Limited to a maximum of 45 degrees aiming above horizontal. 12. Not available with DCC.

voltage is HVU (347-480V)

Not available with motion sensor.

Not available with photocontrol.
 Must specify a motion sensor lens.

8. Not available in 347 or 480V

square poles.

ECF-S

Not available with motion sensor
 Not available with photocontrol.

8. Not available in 347 or 480V

9. Must specify input voltage.

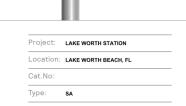
7. Must specify a motion sensor lens

square poles.

3. Limited to a maximum of 45 degrees aiming above horizontal.

Site & Area EcoForm

Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.



17. When ordering SRDR, controller (by others) to be used on

19. LCL and RCL not available with 48L-1.2A or 64L-1A.

Project: LAKE WORTH STATION

Location: LAKE WORTH BEACH, FL

example: ECF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

Square Pole Adapter | Textured

TB¹² Terminal Block BZ Bronze

details). Consult factory for lead time. All 7 pins in NEMA

HIS¹⁴ Internal House Side Shield RAL Specify optional color or RAL (ex: RAL7024)

receptacle are connected to SR driver. SRDR not available with

11. Not available in 480V. Order photocell separately with TLRD5/7.

12. Not available with DCC.

socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA

14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL 18. 0-10V dimming driver standard.

Location:	LAKE WORTH BEACH, FL
Cat.No:	
Туре:	SA
Lamps:	Qty

Prefix		Number	of LEDs	Drive Cu	rrent	LED Color -	Generation	Mountir		Distribut	on			Voltage	
ECF-S		32L		1.2A		NW-G2		AR		5				UNV	
	EcoForm site and area, small	32L 48L 64L	48 LEDs (3 modules)	365 530 700 1A 1.2A 900 1A 1.2A ¹⁹ 900 1A ¹⁹	365 mA 530 mA 700 mA 1050 mA 1200 mA 1050 mA 1200 mA 1050 mA	WW-G2 NW-G2 CW-G2	Warm White 3000K, 70 CRI Generation 2 Neutral White 4000K, 70 CRI Generation 2 Cool White 5000K, 70 CRI Generation 2	mount must b separ	Arm Mount (standard) collowing cing kits be ordered ately (See sories) Slip Fitter Mount (fits to 23 / s" O.D. tenon) Wall mount with surface conduit rear entry permitted Retrofit arm mount kit	2-90	Type 2 Rotated left 90° Rotated right 270° Type 3 Rotated left 90° Rotated right 270° Type 4 Rotated left 90° Rotated right 270° Type 5 Type 5 Type 5W	BLC BLC-90	Auto Front Row Auto Front Row, Rotated left 90° Auto Front Row, Rotated right 270° Back Light Control Back Light Control rotated at 90° Back Light Control rotated at 270° LEED Corner Optic Left LEED Corner Optic Right	120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-277\ (50/60H:

					RAM ² Retroft mount		Type Sw				
Options											
CM50	rols	Motion ser	nsing lens	Photo-sensing		Electr	ical	Lumin	aire	Finish	
BL ^{1,4,7,18} SRDR ^{4,5,6,8,17}	0-10V External dimming (for controls by others) Dual Circuit Control Field Adjustable Wattage Selector Integral wireless module Bi-level functionality SR driver connected to Zhaga socket r: Automatic Profile Dimming Safety 50% Dimming, 7 hours	# IMRI7 ¹⁶ ₁	ntegral with #3 lens ntegral with #7 lens	PCB ^{8,9} TLRD5 ^{10,17} TLRD7 ^{10,17} TLRPC ^{9,10,11,17}	Photocontrol Button Twist Lock Receptacle 5 Pin Twist Lock Receptacle 7 Pin Twist Lock Receptacle w/ Photocell	FP1 ⁹ FP2 ⁹ FP3 ⁹	g Single (120, 277, 347VAC) Double (208, 240, 480VAC) Mount Fusing Single (120, 277, 347VAC) Double (208, 240, 480VAC) Canadian Double Pull (208, 240, 480VAC) 9 Protection (10kA standard)	inclui prod TB ¹²	re Pole Adapter ded in standard uct Terminal Block Round Pole Adapter (fits to 3"- 3.9" O.D. pole) Internal House Side Shield	Texture BK WH BZ DGY MGY Custon	ed Black White Bronze Dark Gray Medium Gray mer specified Specify optional color or RAL
CM50 ^{4,8} CS30 ^{4,8} CM30 ^{4,8}	Median 50% Dimming, 7 hours Safety 30% Dimming, 8 hours Safety 30% Dimming, 7 hours Median 30% Dimming, 8 hours	sing when	10 TLRD5 1	FLRD7 and TLR	PC receptacle pi	SP2	Increased 20kA	able wi	th DD, DCC, FAWS a	CC	(ex: RAL7024) Custom color (Must supply colo chip for required factory quote)
	HVU (347-480V)				of the Dimming		* * * * * * * * * * * * * * * * * * * *				9

13. Not available with SF and WS. RPAs provided with black

Site & Area

EcoForm

| 32L | 32 LEDs | 365 | 365 mA | 700 | 700 mA | 700 m | 700 mA | 1.2A | 1200 mA | 1.2A | 12

Photocontrol Button F19 Single (120, 277, 347VAC) F29 Double (208, 240, 480VAC) Pole Mount Fusing Square Pole A included in sta product TB12 Terminal E

FAWS or LLC. 17. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more

Receptacle w/ Photocell Srg Protection (10kA standard) SP2 Increased 20kA

14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL 18. 0-10V dimming driver standard.

| Twist Lock | Receptacle | 7-pin | Frys | Canadian Double Pull | (208, 240, 480VAC) | House | Receptacle | Receptacle | Receptacle | Twist Lock | Receptacle | R

TLRD5 or TLRPC.

1. BL-IMRI3/7 equipped with out-boarded sensor housing when 10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off 16. Not available with DD, DCC, FAWS and LLC dimming

when ordered with any of the Dimming controls DD or

13. Not available with SF and WS. RPAs provided with black

15. Not available with DD, DCC, and FAWS dimming

15. Not available with DD, DCC, and FAWS dimming

ECF-S_EcoForm_area_small 01/22 page1of9	DANK SKY APPROVED	DICON DISTES PREMIUM	DIG	c UL us	
---	-------------------	----------------------------	-----	---------	--

Gardco EcoForm Gen-2 combines economy with performance in an LED area

profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral

control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

IMRI3¹⁵ Integral with #3 lens

IMRI7¹⁶ Integral with #7 lens

finish standard.

or RCL optics.

luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low

or RCL optics.

control options.

G GARDCO by (Signify

Ordering guide

0-10V External dimming (for controls by others)

FAWS^{4,5,18} Field Adjustable Wattage Selector LLC^{4,6,7,8,18} Integral wireless module
BL^{1,4,7,18} Bi-level functionality SRDR^{4,5,6,8,17} SR driver connected to Zhaga socket

DynaDimmer: Automatic Profile Dimming

voltage is HVU (347-480V)

Not available with motion sensor.

6. Not available with photocontrol.7. Must specify a motion sensor lens.

8. Not available in 347 or 480V

square poles.

CS504,8 Safety 50% Dimming, 7 hours CM50^{4,8} Median 50% Dimming, 8 hours CS30^{4,8} Safety 30% Dimming, 7 hours CM30^{4,8} Median 30% Dimming, 8 hours

2. Mounts to a 4" round pole with adapter included for

I. Not available with other dimming control options.

ECF-S_EcoForm_area_small 01/22 page 1 of 9

Limited to a maximum of 45 degrees aiming above horizontal.

ECF-S

Site & Area EcoForm

1. BL-IMRI3/7 equipped with out-boarded sensor housing when 10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off 16. Not available with DD, DCC, FAWS and LLC dimming

FAWS or LLC.

finish standard.

or RCL optics.

when ordered with any of the Dimming controls DD or

13. Not available with SF and WS. RPAs provided with black

15. Not available with DD, DCC, and FAWS dimming

| 1.2A | 1200 mA | 1200 mA

IMRI3¹⁵ Integral with #3 lens IMRI7¹⁶ Integral with #7 lens IMRI7¹⁶ Integral with #7 lens IMRI7¹⁷ Twist Lock Receptacle 5 Pin Pole Mount Fusing Pole Mount Fusing F1⁹ Single (120, 277, 347VAC) F2⁹ Double (208, 240, 480VAC) F3¹⁷ Towns F1¹⁸ Terminal Block F2⁹ Double (208, 240, 480VAC) F3¹⁸ Round Pole F1⁹ Single (120, 277, 347VAC) F3¹⁸ Round Pole F1⁹ DGY Dark Gr MGUIT F1¹⁸ Round Pole F1¹⁸ Round Po

Receptacle w/
Photocell
Surge Protection (10kA standard)
SP2 Increased 20kA

14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL 18. 0-10V dimming driver standard

| F2º | Double (208, 240, 480VAC) | Pole | F2º | Double (208, 240, 480VAC) | Pole | F2º | Double (208, 240, 480VAC) | F2º | Tarminal Block | F2º | Double (208, 240, 480VAC) | F

control options.

TLRD5 or TLRPC.

11. Not available in 480V. Order photocell separately with TLRD5/7. socket must be SR compatible (See specifications for more

17. When ordering SRDR, controller (by others) to be used on

19. LCL and RCL not available with 48L-1.2A or 64L-1A.

PTF4-ECF-S/L-4-90-(F) 4 luminaires at 90°

details). Consult factory for lead time. All 7 pins in NEMA

Gardco EcoForm Gen-2 combines economy with performance in an LED area

profile LED luminaire, EcoForm offers a new level of customer value. EcoForm

features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral

control systems available for further energy savings. Includes Service Tag, our

innovative way to provide assistance throughout the life of the product.

luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low



Project: LAKE WORTH STATION			
	Project:	LAKE WORTH STATION	

Project:	LAKE WORTH STATIC
Location:	LAKE WORTH BEACH
Cat.No:	
vne	SB.
/pe:	SB
_amps:	

RTH STATION
RTH BEACH, FL

example: FCF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

Project:	LAKE WORTH STATION	N
Location:	LAKE WORTH BEACH,	FL
Cat.No:		
Туре:	SB	
Lamps:	(Qtv:

Project:	LAKE WORTH STATIO	on .	
Location:	LAKE WORTH BEACH	l, FL	
Cat.No:			
Туре:	SB		
Lamps:		Otv.	

Project:	LAKE WORTH STATION	
Location	LAKE WORTH BEACH, FL	
Cat.No:		
Туре:	SB	
Lamps:	Qty	/:

Project:	LAKE WORTH STATION
Location:	LAKE WORTH BEACH, FL
Cat.No:	
Туре:	SB
Lamps:	Qty:

ORTH STATION	
ORTH BEACH, FL	
Qty:	

ECF-S small area light
Gardco EcoForm Gen-2 combines economy with performance in an LED are luminaire. Capable of delivering up to 27,800 lumens or more in a compact, profile LED luminaire, EcoForm offers a new level of customer value. EcoFo features an innovative retrofit arm kit, simplifying site conversions to LED be eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

G GARDCO



Location:	LAKE WORTH BEACH, FL	
Cat.No:		
Туре:	SB1	
Lamps:	Qty:	
Notes:		

Location: LAKE WORTH BEACH, FL	
Cat.No:	
Type: SB1	
Lamps: Qty:	

G GARDCO

by (Signify

Gardco EcoForm Gen-2 combines economy with performance in an LED area

luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low

profile LED luminaire, EcoForm offers a new level of customer value. EcoForm

features an innovative retrofit arm kit, simplifying site conversions to LED by

control systems available for further energy savings. Includes Service Tag, our

eliminating the need to drill additional holes in most existing poles. Integral

innovative way to provide assistance throughout the life of the product.

Project:	LAKE WORTH STATION
Location:	LAKE WORTH BEACH, FL
Cat.No:	
Туре:	SB1
Lamps:	Qty:
Notes:	

Project:	LAKE WORTH STATION
Location:	LAKE WORTH BEACH, FL
Cat.No:	
Туре:	SB1
Lamps:	Qty:
Notes:	
CF-S-64	L-900-NW-G2-AR-5-120-HIS-MGY

Prefix ECF-S		Number 32L	of LEDs	Drive Cu 530	ırrent	NW-G2	Generation	Mountin AR	ng	Distribu BLC	tion			Voltage	
5	EcoForm site and area, small	48L 64L	32 LEDs (2 modules) 48 LEDs (3 modules) 64 LEDs (4 modules)	700 1A 1.2A 900 1A 1.2A ¹⁹	365 mA 530 mA 700 mA 1050 mA 1200 mA 1050 mA 1200 mA 1050 mA 1050 mA		Warm White 3000K, 70 CRI Generation 2 Neutral White 4000K, 70 CRI Generation 2 Cool White 5000K, 70 CRI Generation 2	moun must l separ	Arm Mount (standard) bllowing ting kits to be ordered ately (See stories) Slip Fitter Mount (fits to 2 ³/ (O.D. tenon) Wall mount with surfac conduit rear entry permitted Retrofit arm mount kit	2 2-90 2-270 Type 3 3 3-90 3-270 Type 4 4-90 4-270 Type 5 5	Type 2 Rotated left 90° Rotated right 270° Type 3 Rotated left 90° Rotated right 270° Type 4 Rotated left 90° Rotated left 90° Rotated right 270°	BLC BLC-90 BLC-270	Auto Front Row Auto Front Row, Rotated left 90° Auto Front Row, Rotated right 270° Back Light Control Back Light Control rotated at 90° Deack Light Control rotated at 270° LEED Corner Optic Left LEED Corner Optic Right	120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-277V (50/60H:
Options	_	_	_	_		_		_		_					
Dimming con	ntrols				Motion sen	sing lens	Photo-sensing		Elec	ctrical		Luminaire	Finish		

Site & Area

EcoForm

imming controls CM50	Motion sensing lens IMRI7	Photo-sensing	Electrical	HIS HIS	Finish
DD4-18 O-10V External dimming (for controls by others) DC4-5.6.18 Dual Circuit Control FAMS-4.5.18 Field Adjustable Wattage Selector LLC4-6.7.8.18 Integral wireless module Bi-level functionality SRDR4-5.6.8.17 SR driver connected to Zhaga socket DynaDimmer: Automatic Profile Dimming DS504-8 Safety 50% Dimming, 7 hours DM504-8 Median 50% Dimming, 8 hours SAG04-8 Median 30% Dimming, 8 hours DM304-8 Median 30% Dimming, 8 hours	IMRI3 ¹⁵ Integral with #3 lens IMRI7 ¹⁶ Integral with #7 lens	PCB ^{8,9} Photocontrol Button TLRD5 ^{10,17} Twist Lock Receptacle 5 Pin TLRD7 ^{10,17} Twist Lock Receptacle 7 Pin TLRPC ^{9,10,11,17} Twist Lock Receptacle w/ Photocell	Fusing F19	Square Pole Adapter included in standard product TB ¹² Terminal Block RPA ¹³ Round Pole Adapter (fits to 3"- 3.9" O.D. pole) HIS ¹⁴ Internal House Side Shield	Textured BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray Customer specified RAL Specify optional color or RAL (ex: RAL7024) CC Custom color (Must supply colo chip for required factory quote)

1.	BL-IMRI3/7 equipped with out-boarded sensor housing when voltage is HVU (347-480V)	10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or	Not available with DD, DCC, FAWS and LLC dimming control options.
2	. Mounts to a 4" round pole with adapter included for	FAWS or LLC.	17. When ordering SRDR, controller (by others) to be us
	square poles.	11. Not available in 480V. Order photocell separately with TLRD5/7.	socket must be SR compatible (See specifications for
3	Limited to a maximum of 45 degrees aiming above horizontal.	12. Not available with DCC.	details). Consult factory for lead time. All 7 pins in N
4	Not available with other dimming control options.	13. Not available with SF and WS. RPAs provided with black	receptacle are connected to SR driver. SRDR not av-
5	Not available with motion sensor.	finish standard.	TLRD5 or TLRPC.
6	Not available with photocontrol.	14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL	18. 0-10V dimming driver standard.
7.	Must specify a motion sensor lens.	or RCL optics.	19. LCL and RCL not available with 48L-1.2A or 64L-1A.
8	. Not available in 347 or 480V	15. Not available with DD, DCC, and FAWS dimming	
9	. Must specify input voltage.	control options.	



7. Must specify a motion sensor lens

8. Not available in 347 or 480V







Cat.No:	
Type: sp	
Lamps:	Qty

Prefix ECF-S	Number 32L	of LEDs	700	ırrent	LED Color - NW-G2	Generation	Mounti AR	ng	Distribu	tion			Voltag	_
CF-S EcoForm site and area, small	32L 48L 64L	32 LEDs (2 modules) 48 LEDs (3 modules) 64 LEDs (4 modules)	700 1A 1.2A 900 1A 1.2A ¹⁹	365 mA 530 mA 700 mA 1050 mA 1200 mA 1050 mA 1200 mA 1050 mA	NW-G2 CW-G2	Warm White 3000K, 70 CRI Generation 2 Neutral White 4000K, 70 CRI Generation 2 Cool White 5000K, 70 CRI Generation 2	moun must separ	Arm Mount (standard) bllowing ting kits be ordered rately (See ssories) Slip Fitter Mount (fits to 23/s" O.D. tenon) Wall mount with surface conduit rear entry permitted Retrofit arm mount kit	4 4-90 4-270 Type 5	Type 2 Rotated left 90° Rotated right 270° Type 3 Rotated left 90° Rotated right 270° Type 4 Rotated left 90° Rotated left 90° Rotated right 270°	BLC BLC-90	Rotated left 90° Auto Front Row, Rotated right 270 Back Light Contro	UNV	120V 208V 240V 277V 480V 120-277 (50/60H
ptions														
imming controls				Motion ser	sing lens	Photo-sensing		Elect	rical		Luminaire	Finish		

Options				RAM ² Retrofit mount					
Dimming cont	trols	Motion sensing lens	Photo-sensing		Electrical	Lu	uminaire	Finish	
CM50		IMRI7	L				_		
	0-10V External dimming (for controls by others) Dual Circuit Control Field Adjustable Wattage Selector Integral wireless module Bi-level functionality SR driver connected to Zhaga socket	IMRI3 ¹⁶ Integral with #3 lens IMRI7 ¹⁶ Integral with #7 lens	PCB ^{8,9} TLRD5 ^{10,17} TLRD7 ^{10,17} TLRPC ^{9,10,11,17}	Photocontrol Button Twist Lock Receptacle 5 Pin Twist Lock Receptacle 7 Pin Twist Lock	F2° Double (2 Pole Mount Fusin FP1° Single (12 FP2° Double (2 FP3° Canadian	0, 277, 347VAC) 108, 240, 480VAC) ng 0, 277, 347VAC) 108, 240, 480VAC) Double Pull	quare Pole Adapter roluded in standard roduct B ¹² Terminal Block PA ¹³ Round Pole Adapter (fits to 3"- 3.9" O.D. pole)		Black White Bronze Dark Gray Medium Gray
DynaDimme CS50 ^{4,8} CM50 ^{4,8} CS30 ^{4,8} CM30 ^{4,8}	nr: Automatic Profile Dimming Safety 50% Dimming, 7 hours Median 50% Dimming, 8 hours Safety 30% Dimming, 7 hours Median 30% Dimming, 8 hours			Receptacle w/ Photocell	,	n (10kA standard)	IIS ¹⁴ Internal House Side Shield	CC	Specify optional color or RAL (ex: RAL7024) Custom color (Must supply cold chip for required factory quote)

1.	BL-IMRI3/7 equipped with out-boarded sensor housing when voltage is HVU (347-480V)	10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or	16. Not available with DD, DCC, FA control options.
2.	Mounts to a 4" round pole with adapter included for		17. When ordering SRDR, controll
	square poles.	 Not available in 480V. Order photocell separately with TLRD5/7. 	socket must be SR compatible
3.	Limited to a maximum of 45 degrees aiming above horizontal	12. Not available with DCC.	details). Consult factory for l
4.	Not available with other dimming control options.	13. Not available with SF and WS. RPAs provided with black	receptacle are connected to
5.	Not available with motion sensor.	finish standard.	TLRD5 or TLRPC.
6.	Not available with photocontrol.	14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL	18. 0-10V dimming driver standar

or RCL optics.
15. Not available with DD, DCC, and FAWS dimming

COORDINATE WITH ARCHITECT AND END USER FOR COLOR TEMPERATURE

AND FINISH OF LIGHT FIXTURE HOUSING AND MOUNTING ACCESORIES OR

SITE LIGHTING GENERAL NOTE:

roller (by others) to be used on ible (See specifications for more or lead time. All 7 pins in NEMA 14. HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL 18. 0-10V dimming driver standard. 19. LCL and RCL not available with 48L-1.2A or 64L-1A.





GENERAL DISCLAIMER:

PERMIT COMMENTS.

ANY DESIGN CHANGES, TO THE SYSTEM COVERED BY THESE PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER WHO

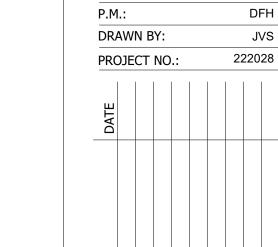
PREPARED THESE PLANS, WILL NULL AND VOID THESE PLANS AND THE REVISED INSTALLATION. IN ADDITION, ALL EXPENSES ASSOCIATED WITH RETURNING THE SYSTEM TO ITS ORIGINAL

DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE

FORMICA &

ASSOCIATES Inc.
Consulting Engineers

Celebrating 40 years! 980 N. Federal Highway Suite 110 Boca Raton, FL 33432 Tel: (561) 368-3611 License No. CA 8818 www.formicaengineering.com



P.A.:

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL

MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL
GROUP RETAINS ALL COMMON LAW, STATUTE AND OTHER
RESERVED RIGHTS INCLUDING THE COPY- RIGHT THERETO.
REPRODUCTION OF THE MARTERIAL HEREIN OR SUBSTANTIAL
USE WITHOUT WRITTEN PERMISSION OF THE MARTIN
ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF
THE UNITED STATES AND WILL BE SUBJECT TO LEGAL
PROCESSITION.

PROSECUTION.

©

The Martin Architectural Group, P.C.

GROUP,

 \circ

ARCHITECTURAL

MARTIN,

PERMIT SET

TRICAL

AS NOTED DATE: 2022/04/06

© , The Martin Architectural Group, P.C.

Shielding Accessories			Footnotes 20. Not available with Type 5 or 5W optics 21. Consult Signify to confirm whether specific accessories are BAA-compliant.		
House Side shield					
HIS-48-H ²⁰ Internal	ation: House Side Shield for 32 LEDs (2 m House Side Shield for 48 LEDs (3 m House Side Shield for 64 LEDs (4 m	odules)			
HIS-48-V 20 Internal	entation: House Side Shield for 32 LEDs (2 m House Side Shield for 48 LEDs (3 m House Side Shield for 64 LEDs (4 m	odules)			
Luminaire Accessories					
ECF-BD-G2 ECF-RAM-G2-(F)	Bird deterrent Retrofit Arm mount kit				
ECF-SF-G2-(F) ECF-WS-G2-(F)	Slip Fitter Mount (fits to 2 3/8) Wall mount with surface condu				
		EcoForm PTF3 (pole top fitter fits 3-31/2" OD x 6" depth tenon)	EcoForm PTF4 (pole top fitter fits 31/2-4" OD x 6" depth tend		
PTF2-ECF-S/L-2-90-(F) 2 luminaires at 90° PTF3-ECF-S		PTF3-ECF-S/L-1-90-(F) 1 luminaire at 90° PTF3-ECF-S/L-2-90-(F) 2 luminaires at 90° PTF3-ECF-S/L-2-180-(F) 2 luminaires at 180°	PTF4-ECF-S/L-1-90-(F) 1 luminaire at 90° PTF4-ECF-S/L-2-90-(F) 2 luminaires at 90° PTF4-ECF-S/L-2-180-(F) 2 luminaires at 180°		

Catalog Number	12NC
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BZ	912401466002
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-MGY	912401466003
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BK	912401534554
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BZ	912401466004
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-MGY	912401466005
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BK	912401534555
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BZ	912401466006
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-MGY	912401466007
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BK	912401534556
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BZ	912401466008
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-MGY	912401466009
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BK	912401534557
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BZ	912401466010
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-MGY	912401466011
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BK	912401534558
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-BZ	912401466012
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-MGY	912401466013
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-BK	912401534559
RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-BZ	912401466014

with the	e "RS-" catalog code, the	following configurations will ship in 2 weeks):	
	12NC	Catalog Number	12NC
	912401466002	RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-BK	912401534560
	912401466003	RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-BZ	912401466016
	912401534554	RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-MGY	912401466017
	912401466004	RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-BK	912401534561
	912401466005	RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-BZ	912401466018
	912401534555	RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-MGY	912401466019
	912401466006	RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-BK	912401534562
	912401466007	RS-ECF-RAM-G2-DGY	912401466487
	912401534556	RS-ECF-RAM-G2-MGY	912401466488
	912401466008	RS-ECF-RAM-G2-WH	912401466485
	912401466009	RS-ECF-RAM-G2-BZ	912401466486
	912401534557	RS-ECF-RAM-G2-BK	912401466484
	912401466010	RS-HIS-32-H	912401466489
	912401466011	RS-HIS-48-H	912401466491
	912401534558	RS-HIS-64-H	912401466493
	912401466012		
	912401466013		
	912401534559		
	912401466014		
	912401466015		

ECF-S EcoForm small

Area lumi	naire	
EcoForm Access	cories ²¹ (ordered separately, field in	stalled)
Shielding Accessories		Footnotes 20. Not available with Type 5 or 5W optics 21. Consult Signify to confirm whether specific accessories are BAA-compliant.
HIS-48-H 20 Internal	ation: House Side Shield for 32 LEDs (2 modules) House Side Shield for 48 LEDs (3 modules) House Side Shield for 64 LEDs (4 modules)	_
HIS-48-V 20 Internal	entation: House Side Shield for 32 LEDs (2 modules) House Side Shield for 48 LEDs (3 modules) House Side Shield for 64 LEDs (4 modules)	
Luminaire Accessories		
ECF-BD-G2 ECF-RAM-G2-(F) ECF-SF-G2-(F) ECF-WS-G2-(F)	Bird deterrent Retrofit Arm mount kit Slip Fitter Mount (fits to 2 3/8" O.D. tenon) Wall mount with surface conduit rear entry p	ermitted

PTF2=ECF-s/L-4-90-(F) 4 luminaires at 90° PTF2=ECF-s/L-3-120-(F) 3 luminaires at 120° (F) = Specify finish	PTF3-ECF-S/L-4-90-(F) PTF3-ECF-S/L-3-120-(F)	4 luminaires at 90°	PTF4-ECF-S/L-3-120-(F) 3 li	
Ready to Go configurations (when ordere	d with the "RS-" catalog code,	the following configuration	ons will ship in 2 weeks):	
Catalog Number	12NC	Catalog Number		
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BZ	912401466002	RS-ECF-S-64L-1A-N	W-G2-AR-3-UNV-BK	
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-MGY	912401466003	RS-ECF-S-64L-1A-N	W-G2-AR-4-UNV-BZ	
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BK	912401534554	RS-ECF-S-64L-1A-N	W-G2-AR-4-UNV-MGY	
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BZ	912401466004	RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-BK		
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-MGY	912401466005	RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-BZ		
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BK	912401534555	RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-MGY		
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BZ	912401466006	RS-ECF-S-64L-1A-N	W-G2-AR-5-UNV-BK	
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-MGY	912401466007	RS-ECF-RAM-G2-D0	ЭΥ	
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BK	912401534556	RS-ECF-RAM-G2-M	GY	
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BZ	912401466008	RS-ECF-RAM-G2-W	Н	
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-MGY	912401466009	RS-ECF-RAM-G2-BZ	2	
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BK	912401534557	RS-ECF-RAM-G2-Bh	(
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BZ	912401466010	RS-HIS-32-H		
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-MGY	912401466011	RS-HIS-48-H		
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BK	912401534558	RS-HIS-64-H		
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-BZ	912401466012			

ECF-S_EcoForm_area_small	01/22	page 2 of 9

RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-MGY

ECF-S EcoForm small

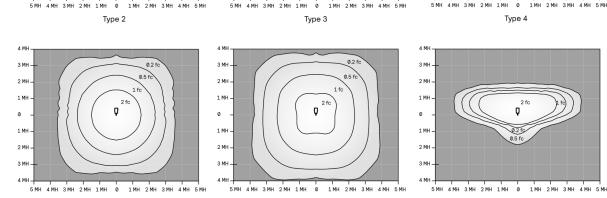
Area luminaire

ECF-S_EcoForm_area_small 01/22 page 1 of 9

Predicted Lumen Depreciation Data
Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology Actual experience may vary due to field application conditions. L ₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L ₇₀ hours limited to 6 times actual LED test hours

Optical Distributions		
Based on configuration ECF-S-48L-1A-NW-G2 (159W)	mounted at 20ft.	
4 MH	4 MH	4 MH
3 MH —	3 MH —	3 MH
2 MH –	2 MH - 0.5 ft 0.2 fc	2 MH - 0.2 fc
1MH -	1 MH - 2 fc 1 fc 0.5 TC	1MH — 1fc
o -	• -	0 - ((2fc)))
1 MH - 0.5 fc	1 MH -	1MH - 0
2 MH - 0.2 fc	2 MH -	2 MH -

>120,000 hours



4 MH 3 MH 2 MH 1 MH 0 1 MH 2 MH 3 MH 4 MH 5 MH Type 5	4 MH	4 MH
4 MH	4 MH 3 MH 2 MH 1 MH 2 MH 1 MH 2 MH 3 MH 4 MH 3 MH 4 MH 3 MH 4 MH 5 MH 4 MH 3 MH 2 MH 1 MH 0 1 MH 2 MH 3 MH 4 MH 5 MH 6	4 MH
BLC	LCL	RCL

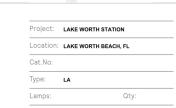
ECF-S_EcoForm_area_small 01/22 page 3 of 9

19. LCL and RCL not available with 48L-1.2A or 64L-1A.

by §ignify

B9 FlexScape LED

Hadco FlexScape B9 accent line-voltage landscape luminaire has interchangeable optics 20°, 36° and 65° by switching optic lenses. This adjustable luminaire also has the ability to switch between 5 preset light outputs.



Ordering guide				example: B9DWA
Series B9	Lamping D	сст W -	Finish H	Surge suppressor SP1
B9 Accent line-voltage luminaire	D LED	W Warm (3000K) C Cool (4000K)	A Black H Bronze	blank None SP1 120-277V, 10K

polycarbonate (PC).

Features
1 Housing/C

sing/Construction: A360 die-cast aluminum, able to remove shroud from housing with 2 screws. Adjustable knuckle stem provides range of rotation, prevents fixture from pointing past vertical. Vibration locking teeth secured by black oxide stainless steel screw. Driver mounts directly to housing for thermal management. All gaskets are 100% molded silicone.

2. Electrical: 34W (on high setting) Input voltage range (VAC): 120-277V. Pre-wired with 12+" pigtail for ease of connection. Includes 0-10V Analog Class 2 wiring for dimming, capped off to help prevent cross wiring with line- voltage

3. LED Board: Single COB LED Array. 4. Controls: Class 2 driver with AOC and 0-10V dimming. Design allows easy-access to integral switch with 5 preset light outputs, see lumen matrix. Remove lens cap with [2] screws and simply adjust the slider switch by hand.

umen m	atrix							
	An	nps		3000К			4000K	
Wattage	120V	277V	Narrow	Medium	Wide	Narrow	Medium	Wide
10W	80mA	50mA	995	982	932	1102	1097	1023
13W	110mA	55mA	1427	1409	1337	1580	1573	1467
19W	155mA	75mA	2031	2006	1903	2249	2240	2089
27W	225mA	100mA	2797	2762	2621	3097	3087	2874
33W	275mA	120mA	3271	3230	3065	3622	3598	3372

B9_Accent_120V 01/20 page 1 of 3

LIGHTING

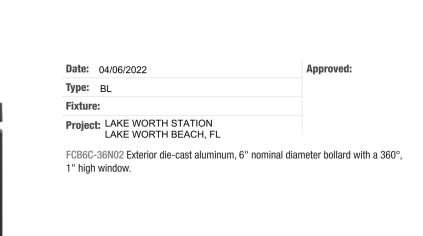
FCB6C-36N02



5. Optical Systems: Flat glass, soda lime tempered Integral LED module clear glass, c-channel gasket slips onto lens without tools or RTV. Fixture pre-installed with medium flood (36°) optical lens. Interchangeable Optional integral surge protection device optical lenses clip onto main reflector. Both provides single phase protection for narrow flood (20°) and wide flood (65°) line/neutral, line/ground, and neutral/ground in accordance with IEEE C62.41 2002C High. optical lenses are shipped with each fixture.

Components are made of injection molded 6. Mounting: 1/2"-14 NPSM male threads to screw onto mounting stake, or other mounting Dust tight and sealed against direct jets of water. accessory, sold separately.

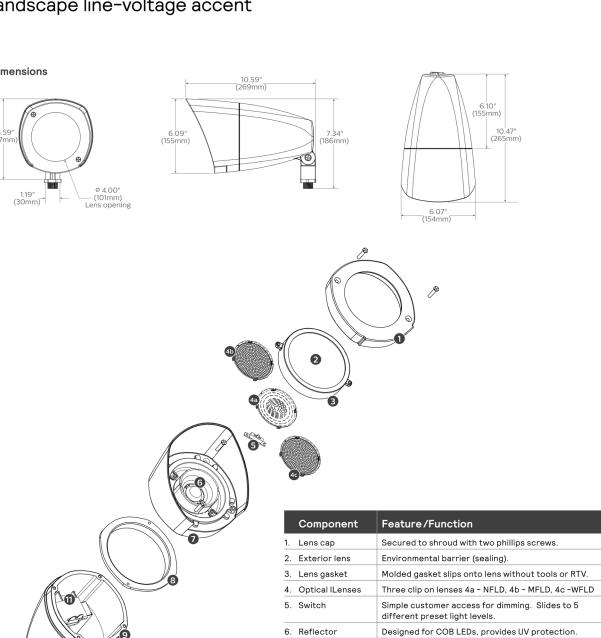
ETL Listed to U.S. safety standards for wet Thermoset polyester powder coat is locations. cETL listed to Canadian safety electrostatically applied after a five-stage standards for wet locations. Manufactured to ISO conversion cleaning process and bonded by heat 9001:2008 Standards. 5-year limited warranty.



SPECIFICATIONS				
PHYSICAL				
dimensions	39.55"H x 6.3"Ø			
weight	18 lbs			
housing	marine grade, corrosion re	sistant, heavy gauge extrud	ed aluminum	
lens	no visible lens			
mounting		ing for bollard installation pr plate, anchor bolts inlcuded		olution, so the tower body anchors flush to the ground without
ingress protection	IP66: dry, damp, or wet loo	cations with extruded silicon	e gasket to seal out contami	nants
finish	Six stage chemical iron ph ant with Florida / AAMA 26		tment. Polyester powder coat	finish, 18 µm Min., 5000hr salt spray test (ASTM B117) compl
PERFORMANCE				
color temperature	2700K	3000K	3500K	4000K
lumen output	447	471	495	522
lifetime	> 70,000 hours / L70 or b	etter		
color consistency	3 SDCM 85 CRI			
operating temperature	-13°F to 104°F (-25°C to 40	O°C)		
junction temperature	73°C @ T ^A 25°C			
warranty	5-Year limited warranty (re	efer to website for details)		
ELECTRICAL				
input voltage	Universal 120-277VAC op	otional: 347 VAC (integral) 4	80 VAC (integral)	
power supply	Integral Class II, electronic	, high power factor > 94% @	2120V	
certification	ETL/cETL Listed			
standards	UL1598 / CSA C22.2 No. 2	50.0; UI 8750 / CSA C22.2 N	No. 250.13/IES LM-79/LM-80)
power consumption	30W @ 120V - 277V (max	imum)		
dimming	0-10V (10%)			

	opment and improvements, specifications are subject to change without notice. FC Lighting reserves the right reement to FC terms and conditions.	to change lab test details or specifications without notice.
**** US Commercia	Lighting Manufacturer Since 1982	Specification Sheet
© FC Lighting, Inc.	3609 swenson ave • st. charles il • 60174 fclighting.com 800.900.1730	

B9 FlexScape LED Landscape line-voltage accent



7. Shroud

9. Housing

11. Driver

Aiming screw

Attaches to housing with two screws.

Attaches to stem with screw, teeth to lock

Phillips-head screw, loosen slightly to adjust aiming.

Class 2 driver with 0-10v dimming. Field replaceable.

LD 0-10V Dimming (Standard)

SP20 20kV Surge Protector

PE120 Photo Eye for 120V PE277 Photo Eye for 277V

BBU Battery Backup, Integral

SP20-BBU (2) 20kV Surge Protectors (1/LED driver,

1/BBU) and Battery Backup (Integral)

8. Housing gasket Molded gasket provides seal for driver housing.

12. Mounting arm Provides durable mounting for luminaire, teeth to lock

13. Locking nut Metal nut allows orientation of accent to be locked.

aiming angle.

BZ Bronze

SL Silver

WH White

B9_Accent_120V 01/20 page 2 of 3

Ordering Information

347V 347V AC (integral)

480V 480V AC (integral) 120V 120V AC (Photo Eye)

277V 277V AC (Photo Eye)

UNV UNV 120V-277V 39 39.5" 27K 2700K 5L 522 lm (30W) BK Black

3K 3000K

35K 3500K

4K 4000K

Consult Factory for other options and configurations.

To ensure you receive proper configurations for your lighting specifications, contact us directly about any unique application

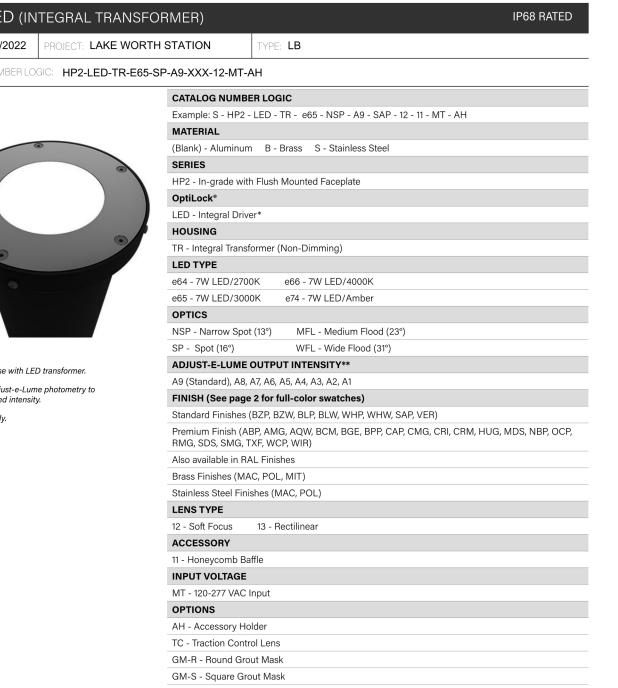
requirements. This may include but not be limited to lumen output, mounting needs, or electrical requirements.



B-K LIGHTING MADE IN THE USA



559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.



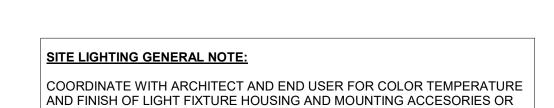


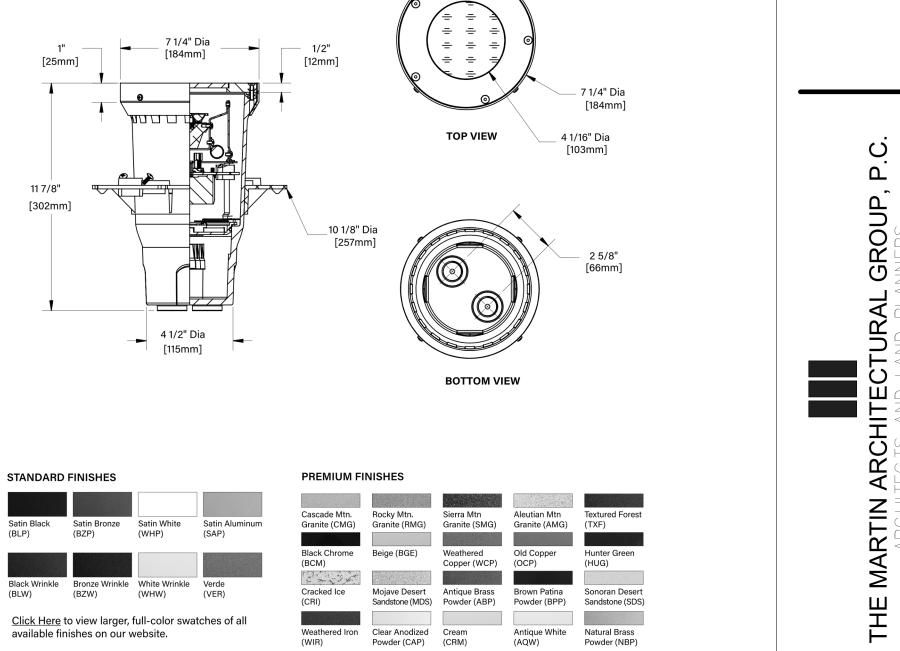
AR-DH-21121

HP2 LED (INTEGRAL TRANSFORMER)

DATE: 04/06/2022 | PROJECT: LAKE WORTH STATION

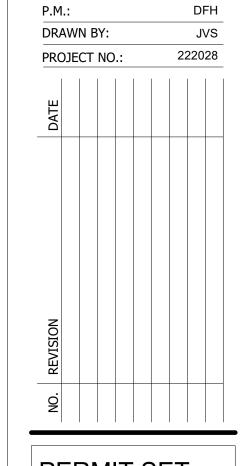
TYPE: LB





MADE IN THE USA 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

IP68 RATED



RCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF HE UNITED STATES AND WILL BE SUBJECT TO LEGAL

PROSECUTION.

(C) , The Martin Architectural Group, P.C.

PERMIT SET

GENERAL DISCLAIMER:
ANY DESIGN CHANGES, TO THE SYSTEM COVERED BY THESE PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER WHO

PREPARED THESE PLANS, WILL NULL AND VOID THESE PLANS AND THE REVISED INSTALLATION. IN ADDITION, ALL EXPENSES ASSOCIATED WITH RETURNING THE SYSTEM TO ITS ORIGINAL

DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE

FORMICA &

Consulting Engineers

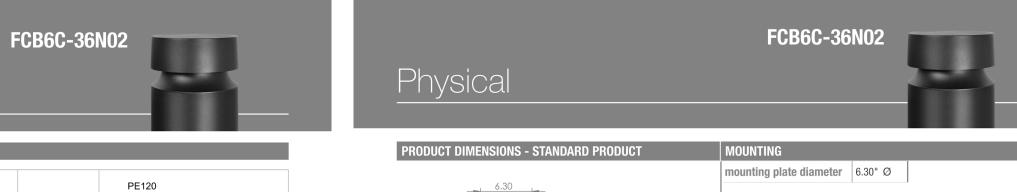
Celebrating 40 years! 980 N. Federal Highway Suite 110 Boca Raton, FL 33432 Tel: (561) 368-3611 License No. CA 8818 www.formicaengineering.com

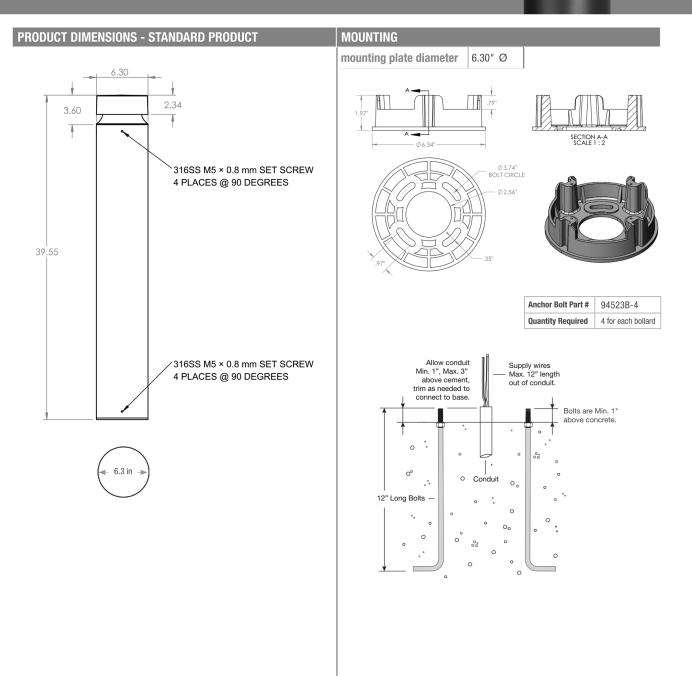
ASSOCIATES Inc

PERMIT COMMENTS.

AS NOTED DATE: 2022/04/06

© , The Martin Architectural Group, P.C.





Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC terms and conditions. **Specification Sheet** US Commercial Lighting Manufacturer Since 1982 © FC Lighting, Inc. 3609 swenson ave • st. charles il • 60174 | fclighting.com | 800.900.1730

AR-DH-21121

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC terms and conditions. **Specification Sheet** US Commercial Lighting Manufacturer Since 1982 © FC Lighting, Inc. 3609 swenson ave • st. charles il • 60174 | fclighting.com | 800.900.1730



Gardco 101 LED wall sconces feature a low-profile design that provides wide flexibility in high performance exterior wall illumination. Full cutoff performance, usable illumination patterns, and powerful wattages combine into a compact and architecturally pleasing design. 101L sconces are available in Type 2, 3, and 4 distributions, and provide output of up to 12,000 lumens. Energy saving control options increase energy savings and offer California Title 24 compliance. Emergency Battery Backup option available for path of egress.



Location: L	AKE WORTH BEACH, FL
Cat.No:	
Type: v	v
Lamps:	Qty

rdoring qui	do								1011	201 700 NW 00	0 10	O DI IMPIO
rdering gui efix 01L		oer of LEDs	700	Current	LED Color	r - Generation	Dis	example	Emerç	32L-700-NW-G2	Voltag	le
1L 101L LED Wall Scond	16L	16 LEDs (1 module)	200 400 530 700 1000 1200	200mA 400mA 530mA 700mA 1000mA 1200mA	CW-G2 NW-G2 WW-G2 WY-G2	Cool White 5000K, 70 CRI Generation 2 Neutral White 4000K, 70 CRI Generation 2 Warm White 3000K, 70 CRI Generation 2 Warm Yellow 2700K,	2 3 4	Type 2 Type 3 Type 4		Emergency Battery Pack Cold Weather ^{1,3,12} blank to omit an gency option	UNV HVU 120 208 240 277 347	120-277V 347-480V 120V 208V 240V 277V 347V
	32L	32 LEDs (2 module)	530 700	530 mA 700 mA	BW-G2	80 CRI Generation 2 ² Balanced White 3500K 80 CRI Generation 2 ²					480	480V

Options		700 1000	700 mA 1000 mA	AM-G2	BOCRI Generation 2 ² Direct Amber (590nm) Generation 2 ²				_
Dimming Cor	ntrols	Motion Ser	nsing lens	Photo-s	sensing	Electr	ical	Finish	-
DCC EFAWS FBL ES	D-10V External dimming controls by others) ⁴ Dual Circuit Control ^{4,6,9} Field Adjustable Wattage ^{4,5} 3i-level functionality with motion sensor ^{4,7,11} r: Automatic Profile Dimming ^{4,7,13} Security 50% Dimming, 7 hours Median 50% Dimming, 8 hours Security 30% Dimming, 7 hours Median 30% Dimming, 8 hours	IMRI2 IMRI3	Integral witi #2 lens ¹⁰ Integral witi #3 lens ¹⁰		Photocontrol Button ^{7,8} Twist Lock Receptacle 5-Pin ¹⁴ Twist Lock Receptacle 7-Pin ¹⁴ Twist Lock Receptacle w/ Photocell ^{8,15}	Fusing F1 F2 F3 Surge SP2	Single (120, 277, 347VAC) ⁸	Textur BK WH BZ DGY MGY Custo RAL	Black White Bronze Dark Gray Medium Gray Messerified Specify optional color or RAL (ex: OC-LGP or OC-RAL7024) Custom color (Must supply color chip for required factory quote)

1. Only 16L up to 700mA can be used with battery backup (EBPC) configuration. 2. Extended lead times apply. Contact factory

6. Not available with photocontrol.

101L 10/21 page 1 of 5

- 3. Available in 120 or 277V only.
- 7. Not available in 347 or 480V. 8. Must specify input voltage.
- 9. Available with two modules (32L) at 530mA. 10. Not available with DD, DCC, and FAWS dimming 4. Not available with other dimming control options. 11. Must specify a motion sensor lens. Limited to 30°C 12. Not available with DCC and FAWS.



13. Not available with DCC.



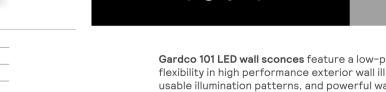
14. Dimming will not be connected to NEMA receptacle

15. Not available in 480V. Order photocell separately

if ordering with other control options.







G GARDCO

by (s)ignify Gardco 101 LED wall sconces feature a low-p flexibility in high performance exterior wall il

IOIL	
Gardco 101 LED wall sconces feature a low-profile design that provides wide flexibility in high performance exterior wall illumination. Full cutoff performance, usable illumination patterns, and powerful wattages combine into a compact and architecturally pleasing design. 101L sconces are available in Type 2, 3, and 4 distributions, and provide output of up to 12,000 lumens. Energy saving control options increase energy savings and offer California Title 24 compliance.	

Wall Mount

LED Wall Sconce

Gardco 10	1 LED wall sconces feature	a low-profile design that provides wide
flexibility i	n high performance exterio	or wall illumination. Full cutoff performance,
usable illu	mination patterns, and pow	verful wattages combine into a compact
and archit	ecturally pleasing design. 10	01L sconces are available in Type 2, 3,
and 4 dist	ributions, and provide outpu	ut of up to 12,000 lumens. Energy saving
control op	tions increase energy savir	ngs and offer California Title 24 compliance.
	y Battery Backup option ava	

Ordering guide	9						example	: 101L-32L-700- i	W-G2	2-3-120-BL-IMRI2-
Prefix 101L	Number of LEDs	Drive		ED Color - IW-G2	Generation	Dis ¹	tribution	Emergency		Voltage UNV
01L 101L LED Wall Sconce	16L 16 LEDs (1 modu	400 530 700 1000 1200	400mA 530 mA 700 mA 1000 mA 1200 mA W 530 mA 700 mA	W-G2 N 77 W-G2 N 77 Y-G2 N 8 W-G2 E	Cool White 5000K, 70 CF Generation 2 Veutral White 4000K, 70 CRI Generation 2 Warm White 3000K, 70 CRI Generation 2 Warm Yellow 2700K, 30 CRI Generation 2 ² Balanced White 3500K 30 CRI Generation 2 ² Direct Amber (590nm) Generation 2 ²	2 3 4	Type 2 Type 3 Type 4	EBPC Emergenc Battery P. Cold Weat Leave blank to on emergency optio	ack ther ^{1,3,12} nit an	UNV 120-277V HVU 347-480V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
Options Dimming Controls CM50		Motion Se	nsing lens	Photo-s	ensing	Electr	rical		Finish	,
Controls DCC Dual Circu FAWS Field Adju BL Bi-level ft, sensor ^{4,7,11} DynaDimmer: Automs CS50 Security 8 CM50 Median 50	ternal dimming by others) ⁴ uit Control ^{4,5,6,9} istable Wattage ^{4,5} unctionality with motion atic Profile Dimming ^{4,7,18} 50% Dimming, 7 hours 30% Dimming, 8 hours 30% Dimming, 7 hours	IMRI2 IMRI3	Integral with #2 lens ¹⁰ Integral with #3 lens ¹⁰	PCB TLRD5 TLRD7 TLRPC	Button ^{7,8} Twist Lock Receptacle 5-Pin ¹⁴ Twist Lock Receptacle 7-Pin ¹⁴ Twist Lock Receptacle w/	Fusing F1 F2 F3 Surge SP2	Single (1: Double (Canadiar (208, 24	20, 277, 347VAC) [®] 208, 240, 480VAC) n Double Pull 0, 480VAC) [®] un (10kA standard) nd 20kA	BZ DGY MGY	Black White Bronze Dark Gray Medium Gray omer specified Specify optional color or RAL (ex: OC-LGP or OC-RALTO24)

1	1.	Only 16L up to 700mA can be used with battery backup (EBPC) configuration.
2	2.	Extended lead times apply. Contact factory for details.
	3.	Available in 120 or 277V only.
4	4.	Not available with other dimming control options

8. Must specify input voltage. 9. Available with two modules (32L) at 530mA. ns. 11. Must specify a motion sensor lens. Limited to 30°C 5. Not available with motion sensor 6. Not available with photocontrol. 12. Not available with DCC and FAWS.

7. Not available in 347 or 480V.

13. Not available with DCC. 14. Dimming will not be connected to NEMA receptacle if ordering with other control options. 10. Not available with DD, DCC, and FAWS dimming

15. Not available in 480V. Order photocell separately with TLRD5/7.

Project: LAKE WORTH STATION

Location: LAKE WORTH BEACH, FL



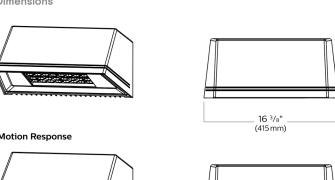
101L LED wall sconce

Luminaire Accessories¹ (order separately)

Mounting accessories WS Wall Mounted Box for Surface Conduit

1. Consult Signify to confirm whether specific accessories are BAA-compliant.

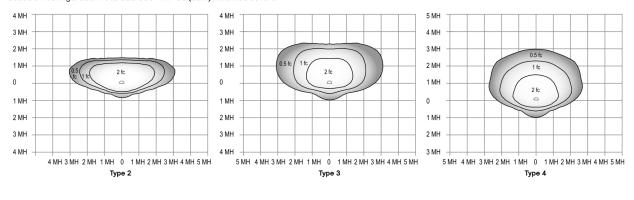
Dimensions



Luminaire Weights

LED Wall Sconce 101L Luminaire 13.5 lbs Luminaire - EBPC (EM battery pack) 17.0 lbs

Optical Distributions Based on configuration 101L-32L-530-NW-G2 (52W) mounted at 15ft.



101L LED wall sconce

3000K LED Wattage and Lumen Values LED LED Current Color (mA) Temp. Watts(W) Output (LPW) Rating Outp 101L-16L-200-WW-G2-x 16 200 3000 12 1488 124 B1-U0-G0 1358 113 B0-U0-G0 1388 116 B0-U0-G0
 101L-16L-400-WW-G2-x
 16
 400
 3000
 22
 2840
 129
 B1-U0-G0
 2592
 118
 B1-U0-G1
 2650
 120
 B1-U0-G1

 101L-16L-530-WW-G2-x
 16
 530
 3000
 28
 3439
 122
 B1-U0-G0
 3138
 112
 B1-U0-G1
 3208
 114
 B1-U0-G1

 101L-16L-700-WW-G2-x
 16
 700
 3000
 38
 4425
 115
 B1-U0-G1
 4038
 105
 B1-U0-G1
 4129
 108
 B1-U0-G1
 101L-16L-1000-ww-G2-x 16 1000 3000 55 5899 108 B2-U0-G1 5383 98 B1-U0-G2 5502 100 B1-U0-G2 101L-16L-1200-ww-G2-x 16 1200 3000 66 6709 102 B2-U0-G1 6123 93 B1-U0-G2 6259 95 B1-U0-G2 101L-32L-530-WW-G2-x 32 530 3000 52 6655 128 B2-U0-G1 6073 117 B1-U0-G2 6208 119 B1-U0-G2
 101L-32L-700-WW-G2-x
 32
 700
 3000
 70
 8458
 120
 B2-U0-G1
 7719
 110
 B1-U0-G2
 7892
 112
 B1-U0-G2

 101L-32L-1000-WW-G2-x
 32
 1000
 3000
 107
 11443
 107
 B3-U0-G2
 10442
 98
 B2-U0-G2
 10675
 100
 B2-U0-G2

						Type 2			Type 3			Type 4	
Ordering Code	LED Qty	LED Current (mA)	Color Temp.	Average System Watts (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
101L-16L-200-NW-G2-x	16	200	4000	12	1567	131	B1-U0-G0	1429	119	B0-U0-G0	1461	122	B0-U0-G0
101L-16L-400-NW-G2-x	16	400	4000	22	2990	136	B1-U0-G0	2728	124	B1-U0-G1	2789	127	B1-U0-G1
101L-16L-530-NW-G2-x	16	530	4000	28	3620	129	B1-U0-G1	3303	118	B1-U0-G1	3377	120	B1-U0-G1
101L-16L-700-NW-G2-x	16	700	4000	38	4658	121	B1-U0-G1	4251	111	B1-U0-G1	4346	113	B1-U0-G1
101L-16L-1000-NW-G2-x	16	1000	4000	55	6209	113	B2-U0-G1	5666	103	B1-U0-G2	5792	106	B1-U0-G2
101L-16L-1200-NW-G2-x	16	1200	4000	66	7062	108	B2-U0-G1	6445	98	B1-U0-G2	6588	100	B1-U0-G2
101L-32L-530-NW-G2-x	32	530	4000	52	7005	135	B2-U0-G1	6393	123	B1-U0-G2	6535	126	B1-U0-G2
101L-32L-700-NW-G2-x	32	700	4000	70	8903	127	B2-U0-G1	8125	116	B1-U0-G2	8307	118	B2-U0-G2
101L-32L-1000-NW-G2-x	32	1000	4000	107	12045	113	B3-U0-G2	10992	103	B2-U0-G2	11237	105	B2-U0-G2
5000K LED Watta	ge and	l Lumen Va	lues										
						Type 2			Type 3			Type 4	
	LED	LED Current	Color	Average System	Lumen	Efficacy	BUG	Lumen	Efficacy	BUG	Lumen	Efficacy	BUG

LED Current	1			Type 2			Type 3			Type 4	
(mA)	Color Temp.	Average System Watts (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
200	5000	12	1567	131	B1-U0-G0	1429	119	B0-U0-G0	1461	122	B0-U0-G0
400	5000	22	2990	136	B1-U0-G0	2728	124	B1-U0-G1	2789	127	B1-U0-G1
530	5000	28	3620	129	B1-U0-G1	3303	118	B1-U0-G1	3377	120	B1-U0-G1
700	5000	38	4658	121	B1-U0-G1	4251	111	B1-U0-G1	4346	113	B1-U0-G1
1000	5000	55	6209	113	B2-U0-G1	5666	103	B1-U0-G2	5792	106	B1-U0-G2
1200	5000	66	7062	108	B2-U0-G1	6445	98	B1-U0-G2	6588	100	B1-U0-G2
530	5000	52	7005	135	B2-U0-G1	6393	123	B1-U0-G2	6535	126	B1-U0-G2
700	5000	70	8903	127	B2-U0-G1	8125	116	B1-U0-G2	8307	118	B2-U0-G2
1000	5000	107	12045	113	B3-U0-G2	10992	103	B2-U0-G2	11237	105	B2-U0-G2
	200 400 530 700 1000 1200 530 700	200 5000 400 5000 530 5000 700 5000 1000 5000 1200 5000 530 5000 700 5000	200 5000 12 400 5000 22 530 5000 28 700 5000 38 1000 5000 55 1200 5000 66 530 5000 52 700 5000 70	200 5000 12 1567 400 5000 22 2990 530 5000 28 3620 700 5000 38 4658 1000 5000 55 6209 1200 5000 66 7062 530 5000 52 7005 700 5000 70 8903	200 5000 12 1567 131 400 5000 22 2990 136 530 5000 28 3620 129 700 5000 38 4658 121 1000 5000 55 6209 113 1200 5000 66 7062 108 530 5000 52 7005 135 700 5000 70 8903 127	200 5000 12 1567 131 B1-U0-G0 400 5000 22 2990 136 B1-U0-G0 530 5000 28 3620 129 B1-U0-G1 700 5000 38 4658 121 B1-U0-G1 1000 5000 55 6209 113 B2-U0-G1 1200 5000 66 7062 108 B2-U0-G1 530 5000 52 7005 135 B2-U0-G1 700 5000 70 8903 127 B2-U0-G1	200 5000 12 1567 131 B1-U0-G0 1429 400 5000 22 2990 136 B1-U0-G0 2728 530 5000 28 3620 129 B1-U0-G1 3303 700 5000 38 4658 121 B1-U0-G1 4251 1000 5000 55 6209 113 B2-U0-G1 5666 1200 5000 66 7062 108 B2-U0-G1 6445 530 5000 52 7005 135 B2-U0-G1 6393 700 5000 70 8903 127 B2-U0-G1 8125	200 5000 12 1567 131 B1-U0-G0 1429 119 400 5000 22 2990 136 B1-U0-G0 2728 124 530 5000 28 3620 129 B1-U0-G1 3303 118 700 5000 38 4658 121 B1-U0-G1 4251 111 1000 5000 55 6209 113 B2-U0-G1 5666 103 1200 5000 66 7062 108 B2-U0-G1 6445 98 530 5000 52 7005 135 B2-U0-G1 6393 123 700 5000 70 8903 127 B2-U0-G1 8125 116 1000 5000 107 12045 113 B3-U0-G2 10992 103	200 5000 12 1567 131 B1-U0-G0 1429 119 B0-U0-G0 400 5000 22 2990 136 B1-U0-G0 2728 124 B1-U0-G1 530 5000 28 3620 129 B1-U0-G1 3303 118 B1-U0-G1 700 5000 38 4658 121 B1-U0-G1 4251 111 B1-U0-G1 1000 5000 55 6209 113 B2-U0-G1 5666 103 B1-U0-G2 1200 5000 66 7062 108 B2-U0-G1 6445 98 B1-U0-G2 530 5000 52 7005 135 B2-U0-G1 6393 123 B1-U0-G2 700 5000 70 8903 127 B2-U0-G1 8125 116 B1-U0-G2 1000 5000 107 12045 113 B3-U0-G2 10992 103 B2-U0-G2	200 5000 12 1567 131 B1-U0-G0 1429 119 B0-U0-G0 1461 400 5000 22 2990 136 B1-U0-G0 2728 124 B1-U0-G1 2789 530 5000 28 3620 129 B1-U0-G1 3303 118 B1-U0-G1 3377 700 5000 38 4658 121 B1-U0-G1 4251 111 B1-U0-G1 4346 1000 5000 55 6209 113 B2-U0-G1 5666 103 B1-U0-G2 5792 1200 5000 66 7062 108 B2-U0-G1 6445 98 B1-U0-G2 6588 530 5000 52 7005 135 B2-U0-G1 6393 123 B1-U0-G2 6535 700 5000 70 8903 127 B2-U0-G1 8125 116 B1-U0-G2 8307	200 5000 12 1567 131 B1-U0-G0 1429 119 B0-U0-G0 1461 122 400 5000 22 2990 136 B1-U0-G0 2728 124 B1-U0-G1 2789 127 530 5000 28 3620 129 B1-U0-G1 3303 118 B1-U0-G1 3377 120 700 5000 38 4658 121 B1-U0-G1 4251 111 B1-U0-G1 4346 113 1000 5000 55 6209 113 B2-U0-G1 5666 103 B1-U0-G2 5792 106 1200 5000 66 7062 108 B2-U0-G1 6445 98 B1-U0-G2 6588 100 530 5000 52 7005 135 B2-U0-G1 6393 123 B1-U0-G2 6535 126 700 5000 70 8903 127 B2-U0-G1 8125 116 B1-U0-

LED Wattage and Lumen	Values (Em	ergency Mo	de)	Avg. Sys	tem Watts	Ту	pe 2	Ту	pe 3	Ту	pe 4
Ordering Code	LED Qty	LED Current (mA)	Color Temp.	Normal Mode	Emergency Mode	Normal Mode	Emergency Mode	Normal Mode	Emergency Mode	Normal Mode	Emergency Mode
101L-16L-200-NW-G2-x-EBPC	16	200	4000	12	14	1567	1654	1429	1510	1461	1543
101L-16L-400-NW-G2-x-EBPC	16	400	4000	22	14	2990	1654	2728	1510	2789	1543
101L-16L-530-NW-G2-x-EBPC	16	530	4000	28	14	3620	1654	3303	1510	3377	1543
101L-16L-700-NW-G2-x-EBPC	16	700	4000	38	14	4658	1654	4251	1510	4346	1543

>99%

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown. For emergency EBPC option, published values are based on initial lumens.

Predicted Lumen Depreciation Data Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology.

Actual experience may vary due to field application conditions. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours

up to 1200 mA >100,000 hours >42,000 hours

101L 10/21 page 3 of 5

SITE LIGHTING GENERAL NOTE:

COORDINATE WITH ARCHITECT AND END USER FOR COLOR TEMPERATURE AND FINISH OF LIGHT FIXTURE HOUSING AND MOUNTING ACCESORIES OR

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP, THE MARTIN ARCHITECTURAL GROUP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPY- RIGHT THERETO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSPECTION.

PROSECUTION.

(C) , The Martin Architectural Group, P.C.

GROUP,

ARCHITECTURAL

THE MARTIN

DFH

JVS

222028

P.A.:

P.M.:

DRAWN BY:

PROJECT NO.:

PERMIT SET

AS NOTED DATE: 2022/04/06

© , The Martin Architectural Group, P.C.



FORMICA & ASSOCIATES Inc.
Consulting Engineers Celebrating 40 years! 980 N. Federal Highway Suite 110 Boca Raton, FL 33432 Tel: (561) 368-3611

GENERAL DISCLAIMER:
ANY DESIGN CHANGES, TO THE SYSTEM COVERED BY THESE
PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER WHO
PREPARED THESE PLANS, WILL NULL AND VOID THESE PLANS AND THE REVISED INSTALLATION. IN ADDITION, ALL EXPENSES ASSOCIATED WITH RETURNING THE SYSTEM TO ITS ORIGINAL DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE PERMIT COMMENTS.

License No. CA 8818 www.formicaengineering.com **Project Information**

2020 Florida Building Code, Energy Conservation Energy Code: Project Title:

LAKE WORTH STATION **New Construction**

Project Type: 2 (Residentially zoned area (LZ2)) Exterior Lighting Zone

Construction Site: Owner/Agent: Designer/Contractor: LAKE WORTH BEACH, FL LAKE WORTH, Florida

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Parking area	28890 ft2	0.04	Yes	1156
Walkway < 10 feet wide	251 ft of	0.5	Yes	126
Walkway >= 10 feet wide	1124 ft2	0.1	Yes	112
		Total Tradabl	e Watts (a) =	1394
		Total Allo	owed Watts =	1394
	Total Allowed	l Supplementa	al Watts (b) =	400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces. (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Po

Proposed Exterior Lighting Power	_			_
A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D
Parking area (28890 ft2): Tradable Wattage				
LED: SA: PARKING LIGHT: LED Roadway-Parking Unit 67W:	1	1	122	122
LED: SB: PARKING LIGHT: LED Roadway-Parking Unit 67W:	1	1	72	72
LED: SB1: PARKING LIGHT: LED Roadway-Parking Unit 42W:	1	4	55	220
LED: SD: PARKING LIGHT: LED Roadway-Parking Unit 42W:	1	2	72	144
LED: SD1: PARKING LIGHT: LED Roadway-Parking Unit 42W:	1	1	55	55
LED: BL: BOLLARD: LED Other Fixture Unit 36W:	1	2	30	60
LED: W: WALL SCONCE: LED Other Fixture Unit 36W:	1	2	39	78
LED: W1: WALL SCONCE: LED Other Fixture Unit 13W:	1	1	12	12
Walkway < 10 feet wide (251 ft of walkway length): Tradable Wattage LED: BL: BOLLARD: LED Other Fixture Unit 28W:	1	6	30	180
Walkway >= 10 feet wide (1124 ft2): Tradable Wattage LED: LA: LANDSCAPE LIGHT: LED Other Fixture Unit 28W: LED: LB: LANDSCAPE LIGHT: LED Other Fixture Unit 6.5W:	1	4 2	33 7	132 14
	Total Tradak	ole Propose	ed Watts =	1089

Project Title:	LAKE WORTH STATION	Report date:	04/06/	22
Data filename:		Page	1 of	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
[EL28] ³	Manual lighting controls are in a location with ready access and where controlled lights are visible.	□Complies □Does Not □Not Observable □Not Applicable	
[EL30] ³	Exterior lighting systems provided with controls complying with C405.2.6.1 through C405.2.6.4 for daylight shutoff and decorative lighting shutoff.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Project Title: LAKE WORTH STATION

Data filename:

Exterior Lighting PASSES: Design 39% better than code

Exterior Lighting Compliance

Statement Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2020 Florida Building Code, Energy Conservation requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature

COMcheck Software Version COMcheckWeb

Energy Code: 2020 Florida Building Code, Energy Conservation

Requirements: 75.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Data filename:

Final Inspection Comments/Assumptions & Req.ID C405.4.2 Exterior lighting power is consistent with what is shown on the approved Does Not See the Exterior Lighting fixture schedule for values. lighting plans, demonstrating proposed watts are less than or equal Not Applicable

Additional Comments/Assumptions:

Project Title: LAKE WORTH STATION

Data filename:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: LAKE WORTH STATION Report date: 04/06/22

Page 3 of 5

PERMIT SET

PROSECUTION.

©

The Martin Architectural Group, P.C.

GROUP,

THE MARTIN

DRAWN BY:

PROJECT NO.:

DFH

JVS

222028

GENERAL DISCLAIMER:
ANY DESIGN CHANGES, TO THE SYSTEM COVERED BY THESE
PLANS WITHOUT PRIOR APPROVAL OF THE ENGINEER WHO
PREPARED THESE PLANS, WILL NULL AND VOID THESE PLANS AND THE REVISED INSTALLATION. IN ADDITION, ALL EXPENSES ASSOCIATED WITH RETURNING THE SYSTEM TO ITS ORIGINAL DESIGN WILL BE THE RESPONSIBILITY OF THE COMPANY WHICH APPROVED THESE CHANGES. FINAL BID TO INCLUDE PERMIT COMMENTS.

FORMICA &

ASSOCIATES Inc.
Consulting Engineers

Celebrating 40 years!

980 N. Federal Highway Suite 110 Boca Raton, FL 33432 Tel: (561) 368-3611 License No. CA 8818 www.formicaengineering.com

AS NOTED DATE: 2022/04/06

© , The Martin Architectural Group, P.C.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Page 4 of 5 Data filename:

Report date: 04/06/22

Page 5 of 5

Report date: 04/06/22

Page 2 of 5

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: LAKE WORTH STATION Report date: 04/06/22