

PROPERTY DEVELOPMENT REGULATIONS CHART													
ZONING DISTRICT (MU)	LOT AREA	WIDTH	LOT DIMENSIONS					PODIUM SETBACKS			TOWER SETBACKS		
			FEDERAL	LAKESHORE	CYPRESS	BAYBERRY	DEPTH	FRONT (FEDERAL)	SIDE (CYPRESS # BAYBERRY)	REAR (LAKESHORE)	PRIMARY STREET	TERTIARY STREET	SECONDARY STREET
MIN.	N/A	200'	90%	80%	50%	50%	150'	10'	10'	10'	20'	10'	20'
MAX.	N/A	375'	N/A	N/A	N/A	N/A	20'	20'	20'	N/A	N/A	N/A	N/A
PROPOSED	2.78 AC	268.58'	90%	86%	94%	92%	364.11'	18.7'	16.4'	17.6'	30'-1"	20'-1"	30'-1"



SITE DATA	
ADDRESS	211 FEDERAL HWY. LAKE PARK, FL. 33403
PCN(s)	36434220011140010/ 40090/ 40352/ 40351/ 40130
APPLICANT	FOREST DEVELOPMENT, LLC
CURRENT USE	COMMERCIAL & RESIDENTIAL
PROPOSED USE	MIXED USE DEVELOPMENT
ZONING	MIXED USE (MU)
DISTRICT OVERLAY	FEDERAL HWY. MIXED USE DISTRICT OVERLAY
TOTAL SITE AREA	2.78 ACRES
TOTAL RESIDENTIAL UNITS	332
RETAIL	8,058 SF
RESTAURANT	14,550 SF
OFFICE	13,000 SF
MAXIMUM IMPERVIOUS AREA	90%
PROPOSED IMPERVIOUS AREA	107,708 SF (89%)
MINIMUM PERVIOUS AREA	10%
PROPOSED PERVIOUS AREA	13,389 SF (11%)
PROPOSED BUILDING COVERAGE	86%
TOTAL FLOORS	23
PROPOSED BUILDING HEIGHT	250'
PODIUM ACTIVE LINER LEVELS	5
PODIUM HEIGHT	52'-0"
MAX. BUILDING FAR	6.80
PROPOSED BUILDING FAR	6.78
HANDICAP PARKING REQUIRED	18
HANDICAP PARKING PROVIDED	18
REQUIRED PRIVATE OPEN SPACE	12,110 SF (10% OF TOTAL SITE AREA)
PROVIDED PRIVATE OPEN SPACE	63,888 SF (52.7%)
	6TH FLOOR AMENITY DECK: 49,340 SF
	-ROOFTOP AMENITY DECK: 14,548 SF

PARKING DATA						
RETAIL (8,058 SF) - 2 SP/1,000 SF	16					
RESTAURANT (14,550 SF) - 10 SP/1,000 SF	146					
OFFICE (13,000 SF) - 2 SP/1,000 SF	26					
RESIDENTIAL						
2 BEDROOM (221) - 1.5 SP/ UNIT	332					
3 BEDROOM (110) - 2 SP/ UNIT	220					
4 BEDROOM (1) - 2 SP/ UNIT	2					
GUEST PARKING - 1 SP/ 20 UNITS	17					
TOTAL PARKING REQUIRED	759					
PARKING PROVIDED FOR PUBLIC BENEFIT	100					
TOTAL PARKING PROVIDED	863					
PARKING LOCATION	PARALLEL	REGULAR	COMPACT	TANDEM	HANDICAP	TOTAL # OF STALLS
LEVEL A - P1	7	100	16	0	8	124
LEVEL B - P2		100	9	46	0	155
LEVEL C - P3		115	18	58	4	195
LEVEL D - P4		114	18	58	4	194
LEVEL E - P5		134	40	12	2	188
COMMERCIAL BICYCLE PARKING REQUIREMENT	1 SPACE/ 10 REQUIRED VEHICULAR SPACES					
	188 PARKING SPACES = 19 BIKE SPACES					
BICYCLE PARKING PROVIDED						
LEVEL A - P1 - 17 SPACES						
LEVEL B - P2 - 44 SPACES						
LEVEL C - P3 - 4 SPACES						
LEVEL D - P4 - 4 SPACES						
LEVEL E - P5 - 11 SPACES						

FLOORS / LEVELS	AREA BREAKDOWN		
PODIUM	ACTIVE LINER USES		PARKING & UTILITIES
	RESID.	COMMERCIAL	
LEVEL A PARKING GR. FLOOR	15,197 SF	22,608 SF	59,455 SF
LEVEL B PARKING MEZZ.	-	-	59,731 SF
LEVEL C PARKING	15,375 SF	13,000 SF	74,083 SF
LEVEL D PARKING	15,375 SF	-	73,505 SF
LEVEL E PARKING	33,112 SF	-	69,241 SF
LEVEL F AMENITY FLOOR	54,491 SF	-	54,491 SF
SUB-TOTAL (PODIUM)	133,550 SF	35,608 SF	336,015 SF
TWO RESID. TOWERS			
	NORTH TOWER	SOUTH TOWER	
FIRST TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
SECOND TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
THIRD TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
FOURTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
FIFTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
SIXTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
SEVENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
EIGHTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
NINTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
TENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
ELEVENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
TWELFTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
THIRTEENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
FOURTEENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
FIFTEENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
SIXTEENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
SEVENTEENTH TOWER FLOOR	22,964 SF	14,968 SF	37,932 SF
ROOF / ROOF TOP AMENITIES	1,200 SF	-	1,200 SF
SUB-TOTAL (TOWERS)	391,588 SF	254,456 SF	644,844 SF
TOTAL RESIDENTIAL (TOWERS + PODIUM)	778,394 SF		
TOTAL BUILDING (TOWERS + PODIUM + GARAGE)	1,156,017 SF		

PROJECT TEAM

DEVELOPER
 FOREST DEVELOPMENT, LLC
 1571 NE 45th ST.
 FT. LAUDERDALE, FL 33334

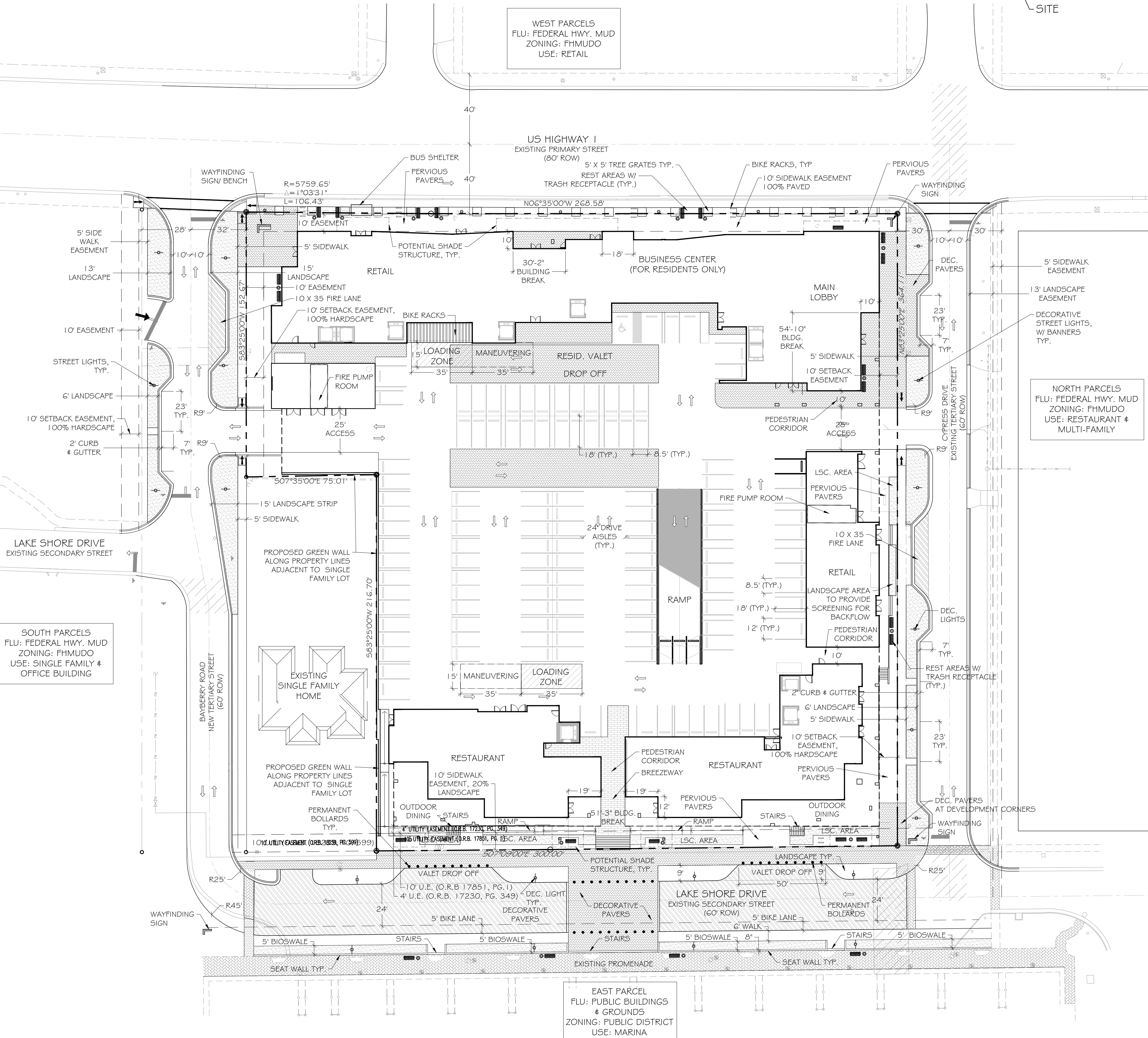
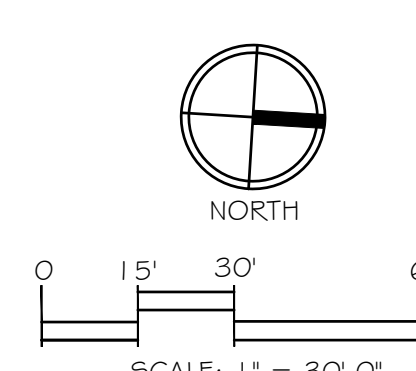
OWNER'S REPRESENTATIVE
 ZABIK & ASSOCIATES, INC.
 11398 OKEECHOBEE BLVD, SUITE 2
 ROYAL PALM BEACH, FL 33411
 561-791-2468

ARCHITECT
 RD ARCHITECTS
 1800 SW 1st AVE, SUITE 607
 MIAMI, FL 33129
 786-762-2679

SURVEYOR
 BASELINE LAND SURVEY, LLC
 1400 NW 1st CT.
 BOCA RATON, FLORIDA 33432
 561-417-0700

CIVIL ENGINEER
 SIMMONS & WHITE, INC.
 2581 METROCENTRE BLVD, SUITE 3
 WEST PALM BEACH, FL 33407
 561-478-7848

LANDSCAPE ARCHITECT
 INSITE STUDIO, INC.
 8144 OKEECHOBEE BLVD, SUITE A
 WEST PALM BEACH, FL 33411
 561-249-0940



Consultants:

Revisions:
 09/09/2019
 10/07/2019
 10/21/2019
 11/06/2019
 11/20/2019

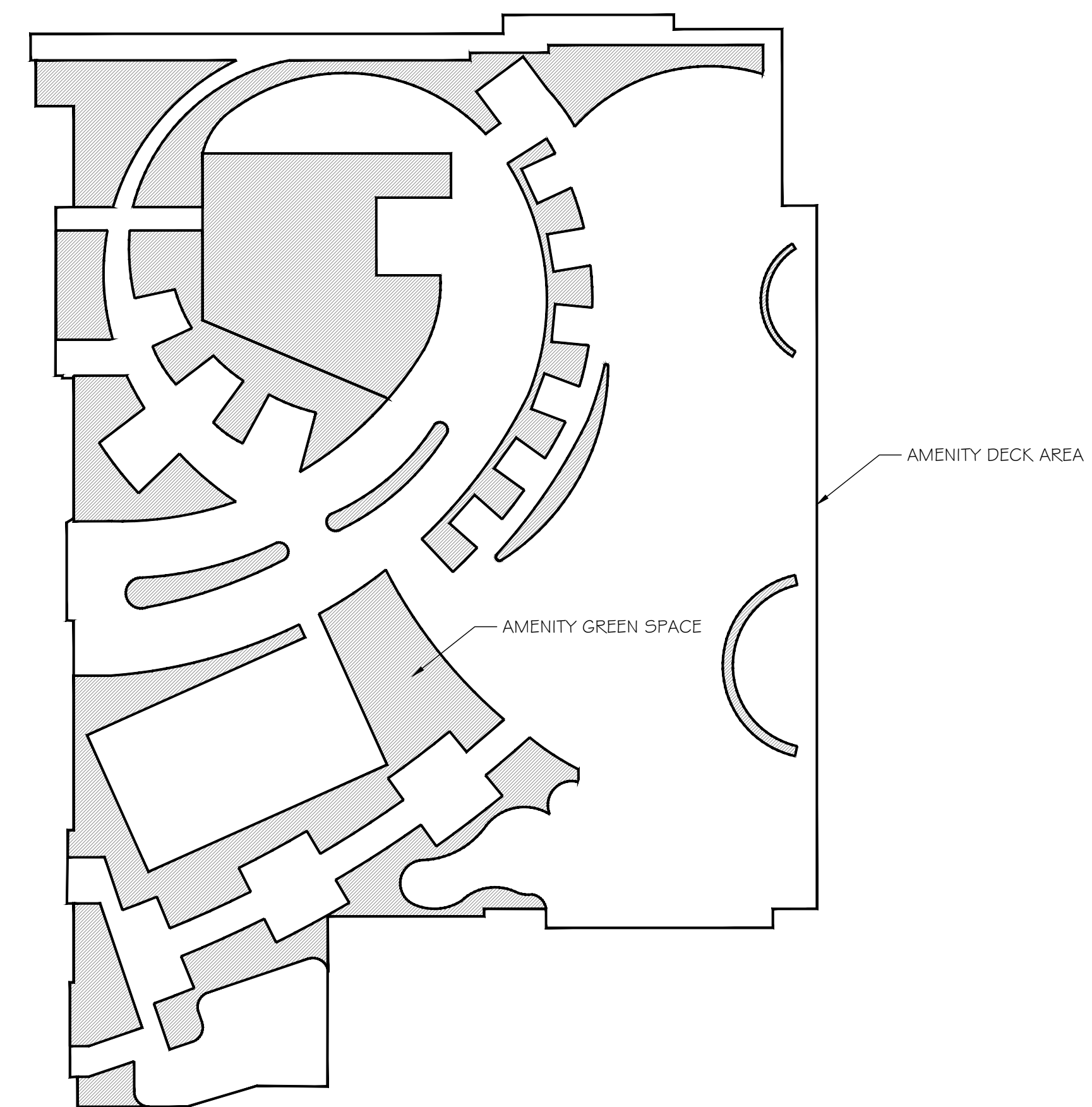
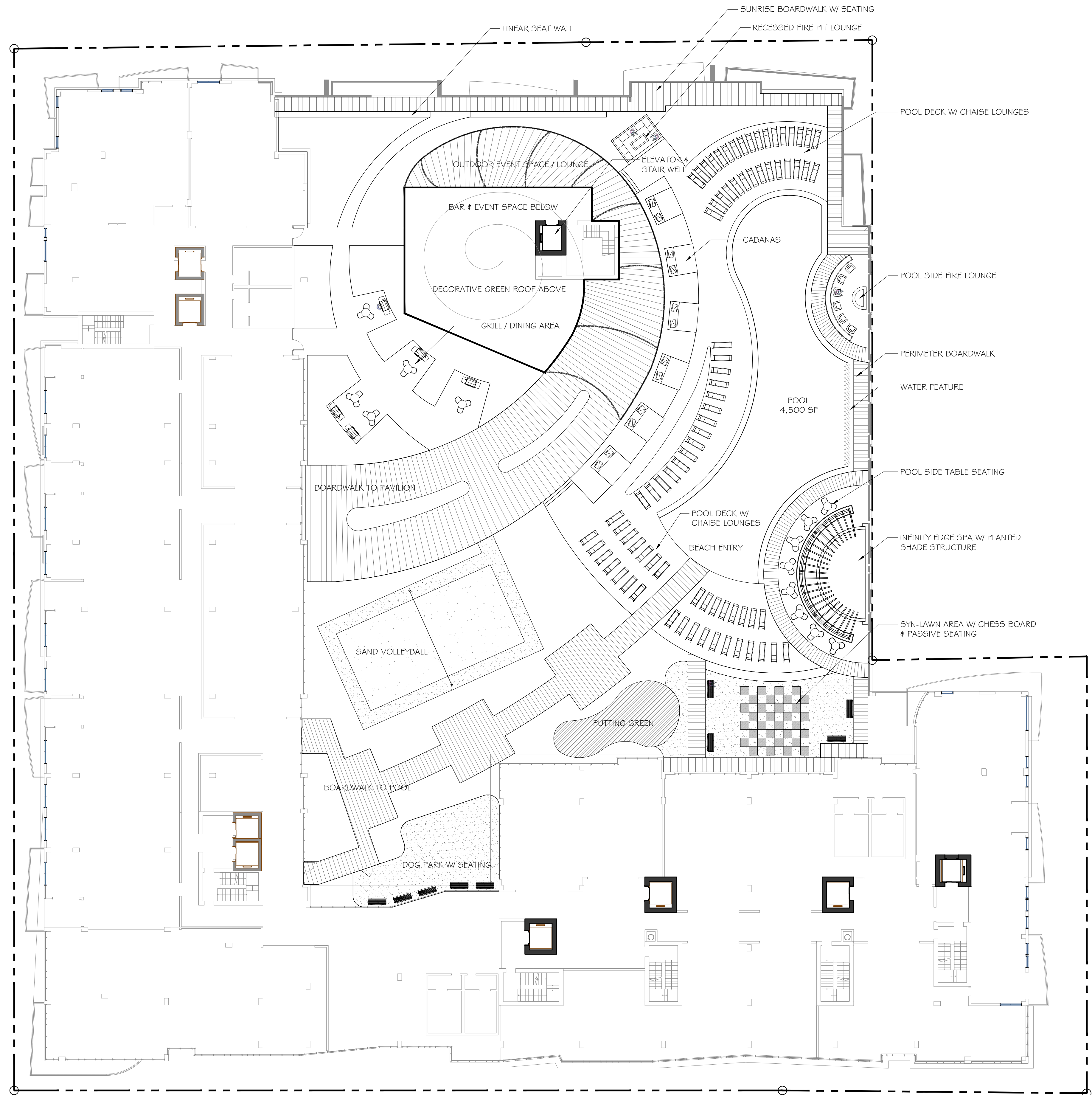
NAUTILUS 211
 Lake Park, Florida



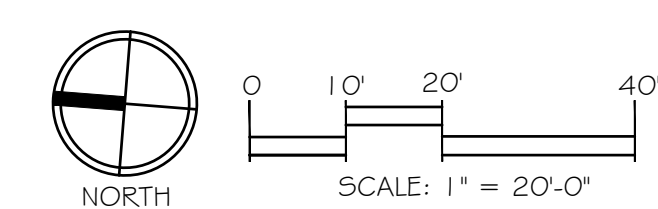
Drawn By: RG
 Drawing #: 1075
 Date: 06/12/2019

SITE PLAN

SHEET # SP.1



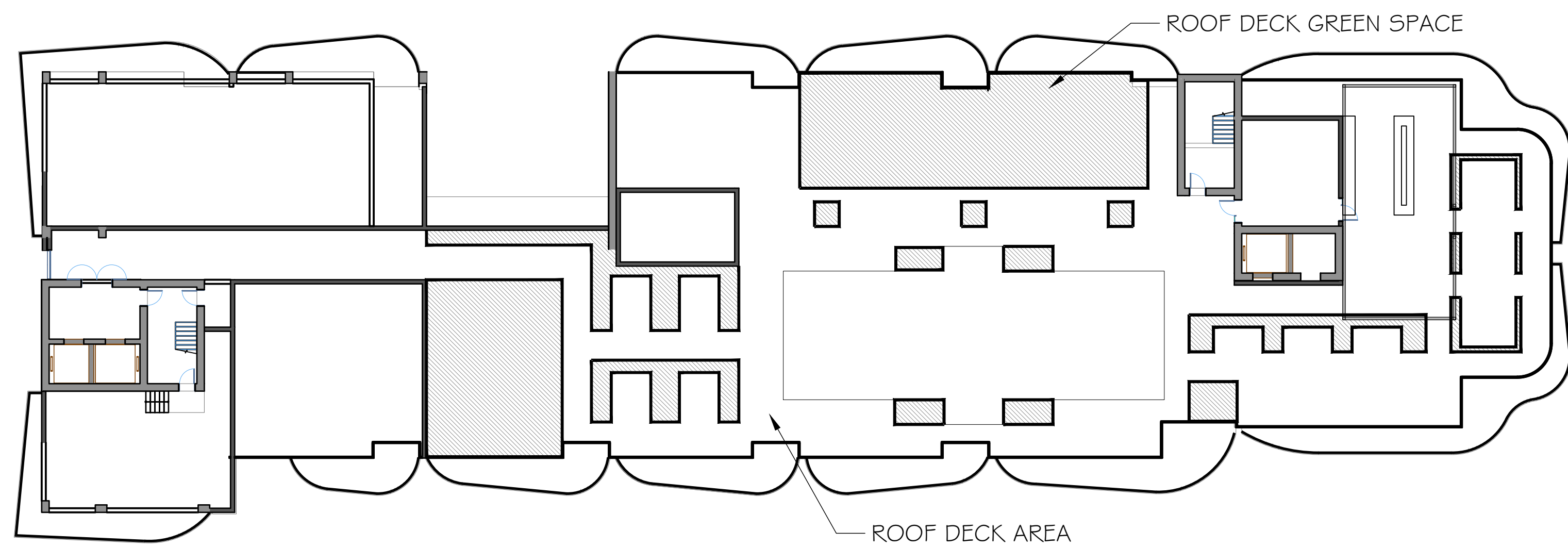
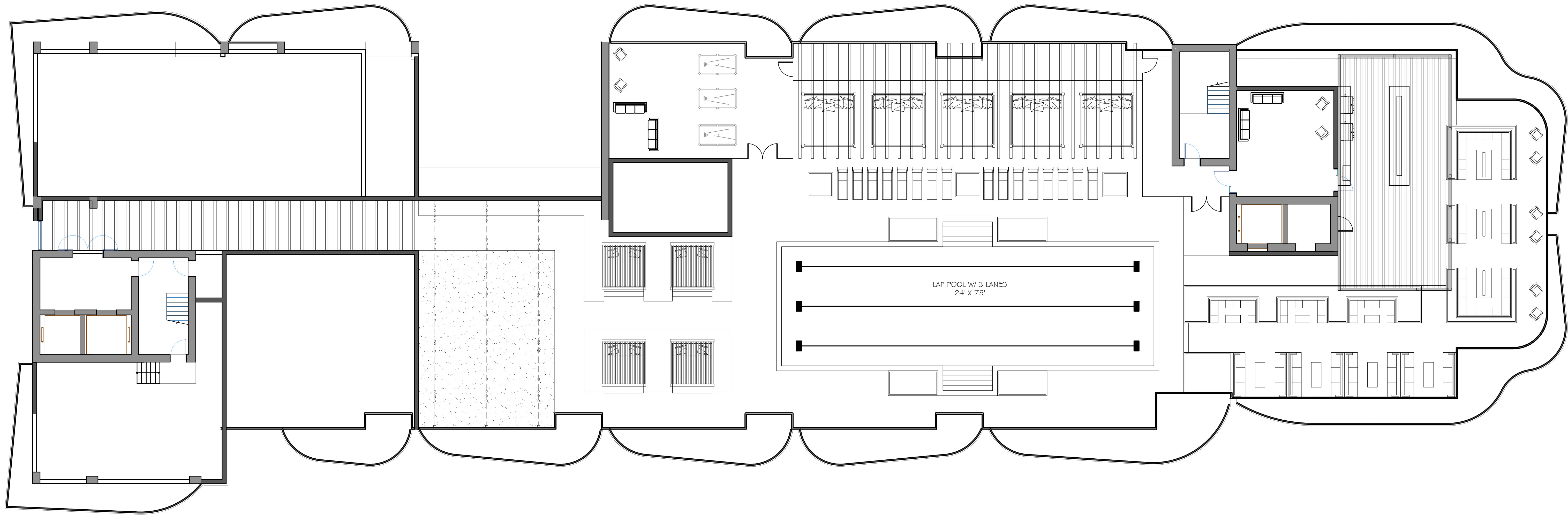
Category	Value
REQUIRED GREEN SPACE (25%)	12,332 SF
PROPOSED GREEN SPACE (30%)	14,776 SF



Consultants:

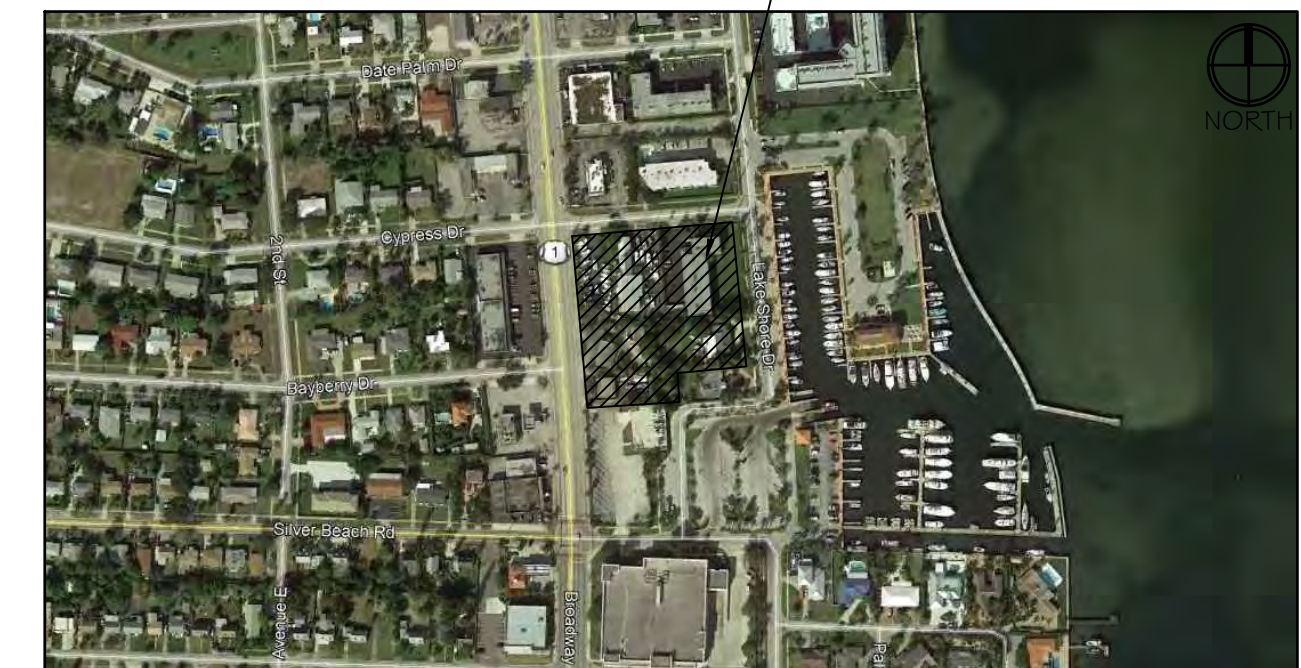
Revisions:
09/09/2019
10/07/2019
10/21/2019

NAUTILUS 211
Lake Park, Florida



ROOF DECK GREEN SPACE REQUIREMENT CHART	
ROOF DECK TOTAL AREA:	14,548 SF
REQUIRED GREEN SPACE (25%):	3,637 SF
PROPOSED GREEN SPACE (26%):	3,658 SF

LOCATION MAP: n.t.s.



0 5' 10' 20'
SCALE: 1" = 10'-0"

Consultants:

Revisions:
 09/09/2019
 10/07/2019
 10/21/2019

NAUTILUS 211
 Lake Park, Florida

A BIKE RACK
SCALE = N.T.S.



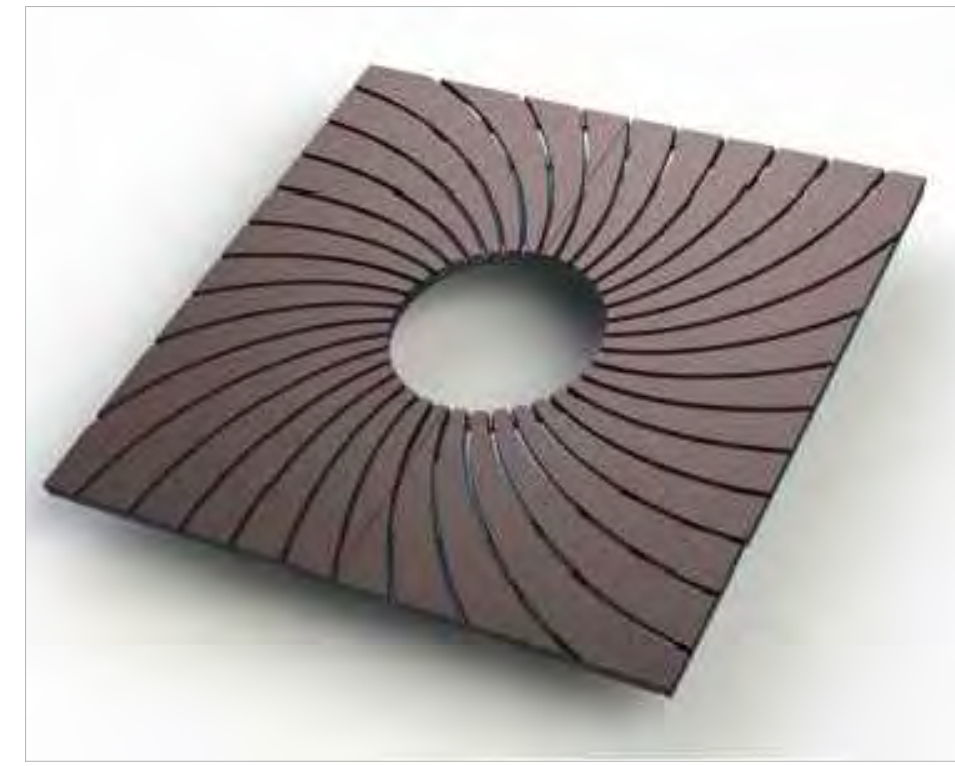
LANDSCAPE FORM: MULTIPLICITY
CAPACITY: 2 BIKES
PREFINISHED ANODIZED CAST ALUMINUM
OR POWDERCOAT FINISH WITH WOOD ACCENT.
36" APART AND 36" FROM WALL.
DEPTH: 6" WIDTH: 24" HEIGHT: 36"

B LITTER CAN
SCALE = N.T.S.



LANDSCAPE FORM: LAKESIDE LITTER
35 GALLON CAPACITY
STEEL PANELS
FREESTANDING/SURFACE MOUNT BASE
DIAMETER: 21" HEIGHT: 36" WEIGHT: 101 LB

C TREE GRATE TYP.
SCALE = N.T.S.



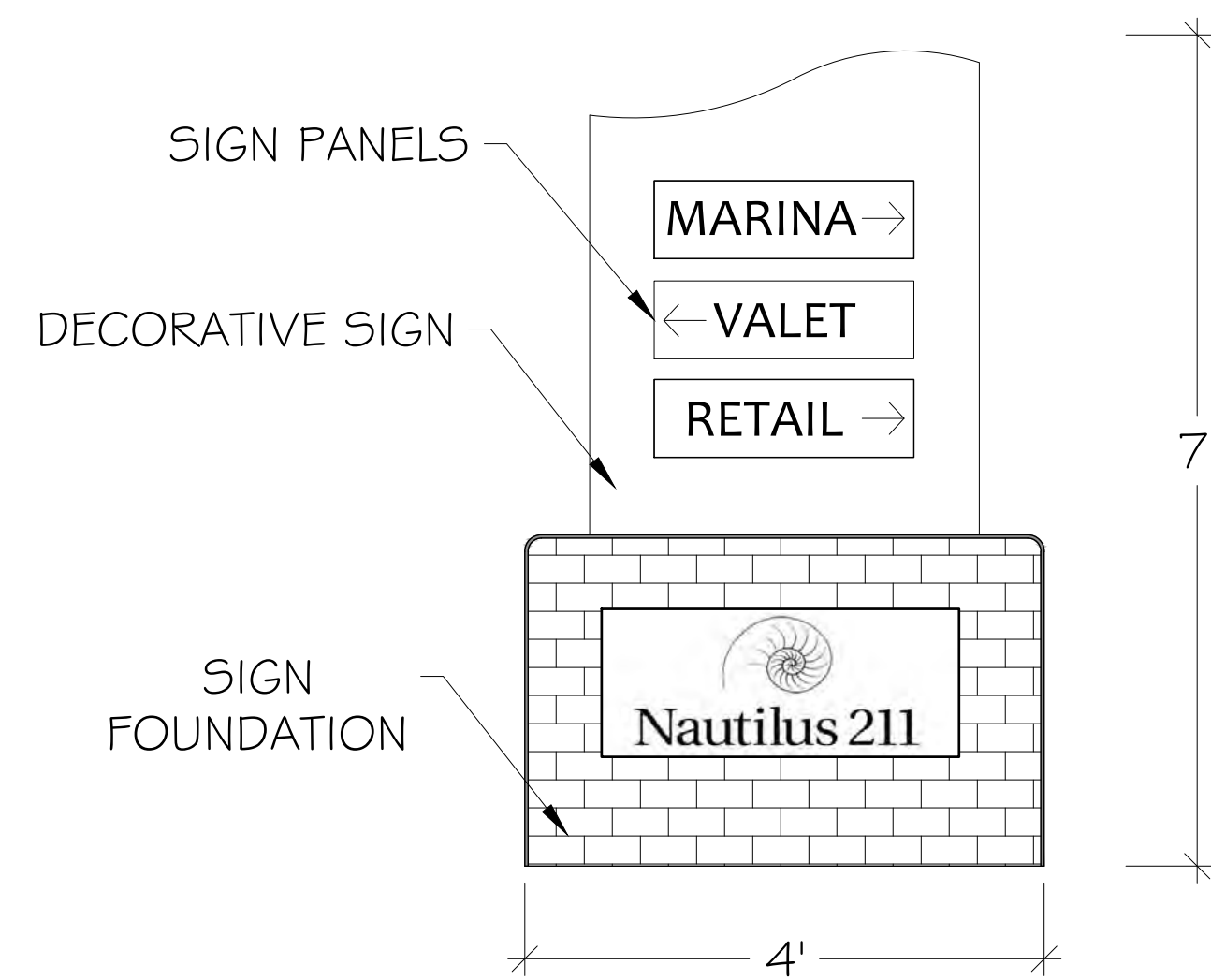
IRONSMITH TREE GRATES
5' X 5'
CAST ALUMINUM NATURAL
/36 GRIT RANDOM ORBITAL
BRUSHED FINISH

D BENCH
SCALE = N.T.S.

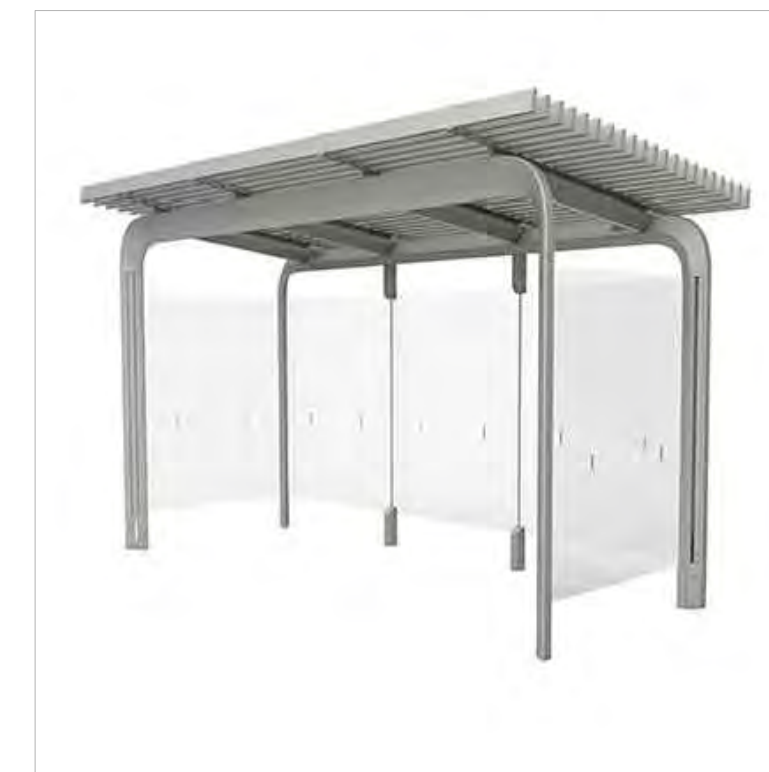


LANDSCAPE FORM: MULTIPLICITY
PREFINISHED ANODIZED CAST ALUMINUM
OR POWDERCOAT FINISH, AND SUPPORT
WOOD SEATING SURFACES.
DEPTH: 24" WIDTH: 95" HEIGHT: 33"

E WAYFINDING SIGN TYP.
SCALE = N.T.S.



F BUS SHELTER
SCALE = N.T.S.



LANDSCAPE FORM: CONNECT 2.0
BUS SHELTER

G LIGHT POLE W/ BANNER
SCALE = N.T.S.



Consultants:

Revisions:

- 09/09/2019
- 10/07/2019
- 10/21/2019
- 11/06/2019

NAUTILUS 211
Lake Park, Florida

ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.



Drawn By: RG
Drawing #: 1075

Date: 06/12/2019

REGULATING
PLAN

SHEET # RP.1

- LEGEND**
- A/C = AIR CONDITIONER
 - C.B.S. = CONCRETE BLOCK STRUCTURE
 - C = CALCULATED
 - CH = CHORD
 - CE = CENTERLINE
 - C/S = CONCRETE SLAB
 - CONC = CONCRETE
 - D.E. = DRAINAGE EASEMENT
 - Δ = DELTA (CENTRAL ANGLE)
 - ELEV = ELEVATION
 - FF = FINISHED FLOOR
 - F.I.P. = FOUND IRON PIPE
 - F.I.R. = FOUND IRON ROD
 - L = ARC LENGTH
 - L.B. = LICENSED SURVEY BUSINESS
 - LS = LICENSED SURVEYOR
 - M = MEASURED
 - NO ID. = NO IDENTIFICATION
 - N/A = NOT APPLICABLE
 - P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
 - NAVD88 = NORTH AMERICAN VERTICAL DATUM OF 1988
 - NOVD29 = NATIONAL GEODETIC VERTICAL DATUM OF 1929
 - NSA04 = ITS SUCCESSORS AND/OR ASSIGNS
 - ATIMA = AS THEIR INTEREST MAY APPEAR

- SYMBOL**
- = CATCH BASIN
 - ⊡ = WATER METER
 - ⊙ = UTILITY POLE
 - ⊕ = LIGHT POLE
 - ⊛ = FIRE HYDRANT
 - ⊞ = CABLE BOX
 - ⊟ = ELECTRIC BOX
 - ⊠ = TELEPHONE BOX
 - ⊡ = WATER VALVE
 - = OVERHEAD WIRE LINE (OHW)
 - = CHAIN LINK FENCE (C.L.F.)
 - /— = WOOD FENCE (W.F.)
 - |— = METAL FENCE (M.F.)
 - x— = PLASTIC FENCE (P.F.)
 - |— = WIRE FENCE (W.F.)

BASELINE LAND SURVEY LLC
1400 N.W. 14th COURT
BOCA RATON, FLORIDA 33432
(561) 417-0700 LB-8229
JOB NO.: 18-05-032

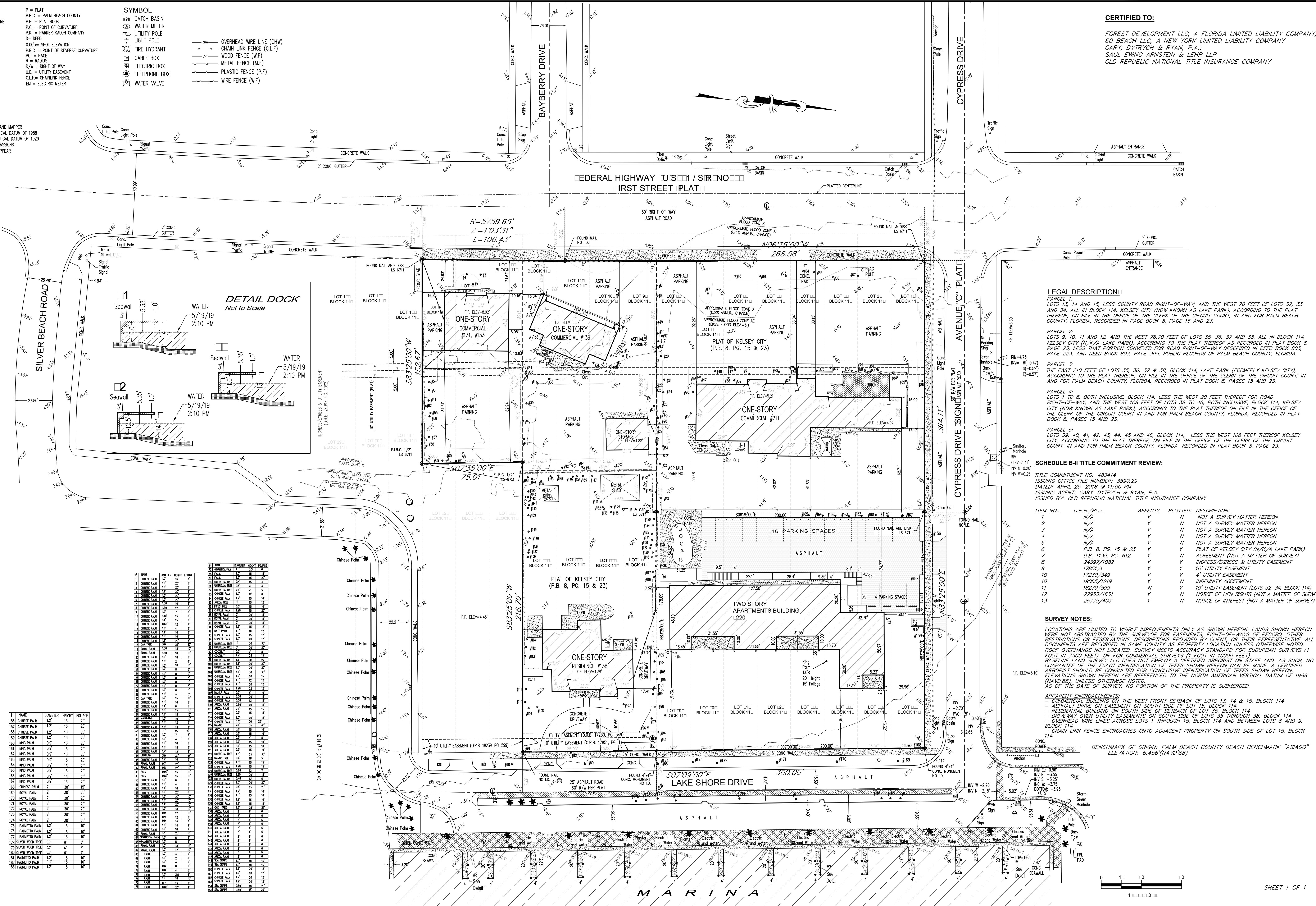
THIS SURVEY MEETS THE STANDARD OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61-17, FLORIDA ADMINISTRATIVE CODE.
DATE: 06/04/2019

JOHN E. KUHAR, P.S.M., STATE OF FLORIDA
PROFESSIONAL SURVEYOR AND MAPPER
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

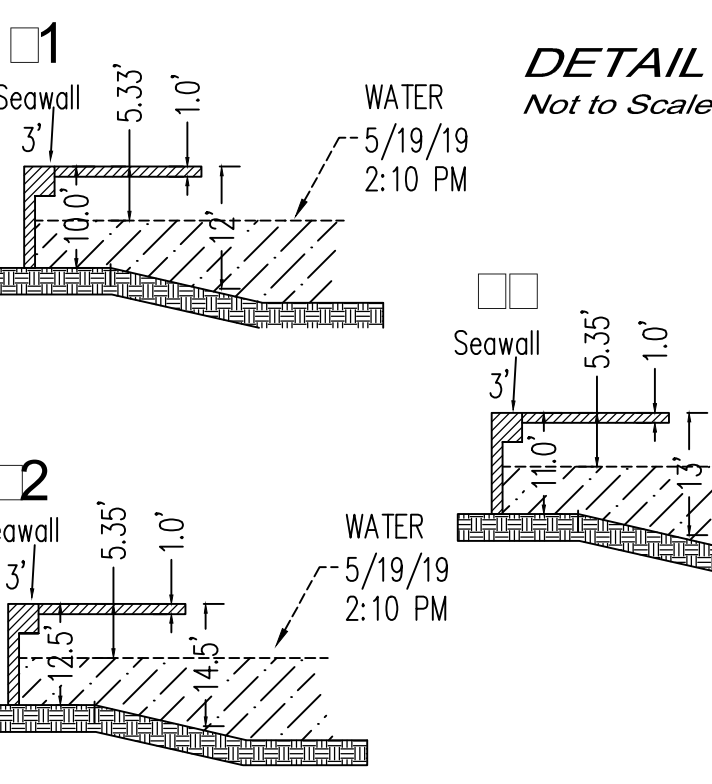
DATE: 06/04/2019

DATE OF FIRM: 12/05/2017
PROPERTY ADDRESS: 131, 133, 135 & 211 FEDERAL HIGHWAY, LAKE SHORE, LAKE PARK, FL 33403

TITLE: MAP OF BOUNDARY SURVEY
SCALE: 1" = 30'
FLOOD ZONE: BASE FLOOD ZONE
DATE OF FIRM: 12/05/2017
PROPERTY ADDRESS: 131, 133, 135 & 211 FEDERAL HIGHWAY, LAKE SHORE, LAKE PARK, FL 33403



CERTIFIED TO:
FOREST DEVELOPMENT LLC, A FLORIDA LIMITED LIABILITY COMPANY;
60 BEACH LLC, A NEW YORK LIMITED LIABILITY COMPANY
GARY, DYTROYCH & RYAN, P.A.,
SAUL EWING ARNSTEIN & LEHR LLP
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY



LEGAL DESCRIPTION

PARCEL 1: LOTS 13, 14 AND 15, LESS COUNTY ROAD RIGHT-OF-WAY, AND THE WEST 70 FEET OF LOTS 32, 33 AND 34, ALL IN BLOCK 114, KELSEY CITY (NOW KNOWN AS LAKE PARK), ACCORDING TO THE PLAT THEREOF, ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT, IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PAGE BOOK 8, PAGE 15 AND 23.

PARCEL 2: LOTS 9, 10, 11 AND 12, AND THE WEST 76.70 FEET OF LOTS 35, 36, 37 AND 38, ALL IN BLOCK 114, KELSEY CITY (NOW KNOWN AS LAKE PARK), ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGE 23, LESS THAT PORTION CONVEYED FOR ROAD RIGHT-OF-WAY DESCRIBED IN DEED BOOK 803, PAGE 223, AND DEED BOOK 803, PAGE 305, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

PARCEL 3: THE EAST 210 FEET OF LOTS 35, 36, 37 & 38, BLOCK 114, LAKE PARK (FORMERLY KELSEY CITY), ACCORDING TO THE PLAT THEREOF, ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT, IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 8, PAGES 15 AND 23.

PARCEL 4: LOTS 1 TO 8, BOTH INCLUSIVE, BLOCK 114, LESS THE WEST 20 FEET THEREOF FOR ROAD RIGHT-OF-WAY, AND THE WEST 108 FEET OF LOTS 39 TO 46, BOTH INCLUSIVE, BLOCK 114, KELSEY CITY (NOW KNOWN AS LAKE PARK), ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGE 23, LESS THAT PORTION CONVEYED FOR ROAD RIGHT-OF-WAY DESCRIBED IN DEED BOOK 803, PAGE 223, AND DEED BOOK 803, PAGE 305, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 8, PAGES 15 AND 23.

PARCEL 5: LOTS 39, 40, 41, 42, 43, 44, 45 AND 46, BLOCK 114, LESS THE WEST 108 FEET THEREOF KELSEY CITY, ACCORDING TO THE PLAT THEREOF, ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT, IN AND FOR PALM BEACH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 8, PAGE 23.

SCHEDULE B-II TITLE COMMITMENT REVIEW:

TITLE COMMITMENT NO: 483414
ISSUING OFFICE FILE NUMBER: 3590.29
DATED: APRIL 25, 2018 @ 11:00 PM
ISSUING AGENT: GARY, DYTROYCH & RYAN, P.A.
ISSUED BY: OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

ITEM NO.	O.R.B./P.G.	AFFECTS	PLOTTED	DESCRIPTION
1	N/A	Y	N	NOT A SURVEY MATTER HEREON
2	N/A	Y	N	NOT A SURVEY MATTER HEREON
3	N/A	Y	N	NOT A SURVEY MATTER HEREON
4	N/A	Y	N	NOT A SURVEY MATTER HEREON
5	N/A	Y	N	NOT A SURVEY MATTER HEREON
6	P.B. 8, PG. 15 & 23	Y	Y	PLAT OF KELSEY CITY (N/A LAKE PARK)
7	D.B. 1139, PG. 612	Y	N	AGREEMENT (NOT A MATTER OF SURVEY)
8	24397/1082	Y	Y	INGRESS/EGRESS & UTILITY EASEMENT
9	17851/7	Y	Y	4' UTILITY EASEMENT
10	17230/349	Y	Y	4' UTILITY EASEMENT
11	19065/1219	Y	Y	INDIVIDUAL AGREEMENT
12	18239/599	N	Y	10' UTILITY EASEMENT (LOTS 32-34, BLOCK 114)
13	22953/1631	Y	Y	NOTICE OF LIEN RIGHTS (NOT A MATTER OF SURVEY)
14	26779/403	Y	N	NOTICE OF INTEREST (NOT A MATTER OF SURVEY)

SURVEY NOTES:

- LOCATIONS ARE LIMITED TO VISIBLE IMPROVEMENTS ONLY AS SHOWN HEREON. LANDS SHOWN HEREON WERE NOT SURVEYED BY THE SURVEYOR FOR EASEMENTS, RIGHT-OF-WAYS OF RECORD, OTHER RESTRICTIONS OR RESERVATIONS. DESCRIPTIONS PROVIDED BY CLIENT, OR THEIR REPRESENTATIVE, ALL DOCUMENTS ARE RECORDED IN SAME COUNTY AS PROPERTY LOCATION UNLESS OTHERWISE NOTED.
- ROOF OVERHANGS NOT LOCATED. SURVEY MEETS ACCURACY STANDARD FOR SUBURBAN SURVEYS (1 FOOT IN 7500 FEET), OR FOR COMMERCIAL SURVEYS (1 FOOT IN 10000 FEET).
- BASELINE LAND SURVEY LLC DOES NOT EMPLOY A CERTIFIED ARBORIST ON STAFF AND, AS SUCH, NO GUARANTEE OF THE EXACT IDENTIFICATION OF TREES SHOWN HEREON CAN BE MADE. A CERTIFIED ARBORIST SHOULD BE CONSULTED FOR CONCLUSIVE IDENTIFICATION OF TREES SHOWN HEREON.
- ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), UNLESS OTHERWISE NOTED.
- AS OF THE DATE OF SURVEY, NO PORTION OF THE PROPERTY IS SUBMERGED.

APPARENT ENCROACHMENTS:

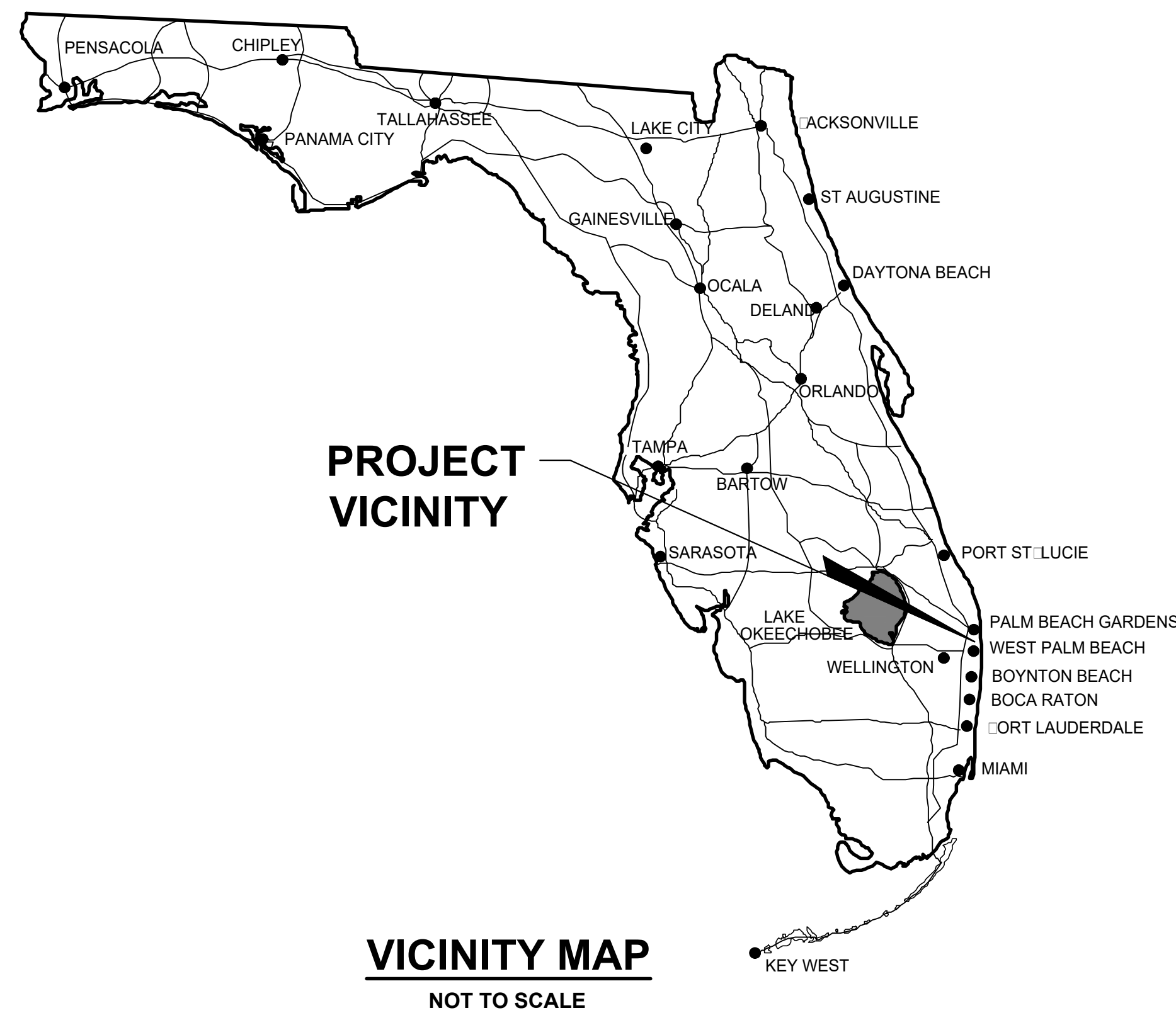
- COMMERCIAL BUILDING ON THE WEST FRONT SETBACK OF LOTS 13, 14 & 15, BLOCK 114
- ASPHALT DRIVE ON EASEMENT ON SOUTH SIDE OF LOT 15, BLOCK 114
- RESIDENTIAL BUILDING ON SOUTH SIDE OF SETBACK OF LOT 35, BLOCK 114
- DRIVEWAY OVER UTILITY EASEMENTS ON SOUTH SIDE OF LOTS 35 THROUGH 38, BLOCK 114
- OVERHEAD WIRE LINES ACROSS LOTS 1 THROUGH 15, BLOCK 114 AND BETWEEN LOTS 8 AND 9, BLOCK 114
- CHAIN LINK FENCE ENCROACHES ONTO ADJACENT PROPERTY ON SOUTH SIDE OF LOT 15, BLOCK 114

BENCHMARK OF ORIGIN: PALM BEACH COUNTY BEACH BENCHMARK "ASIAGO"
ELEVATION: 6.456'(NAVD88)

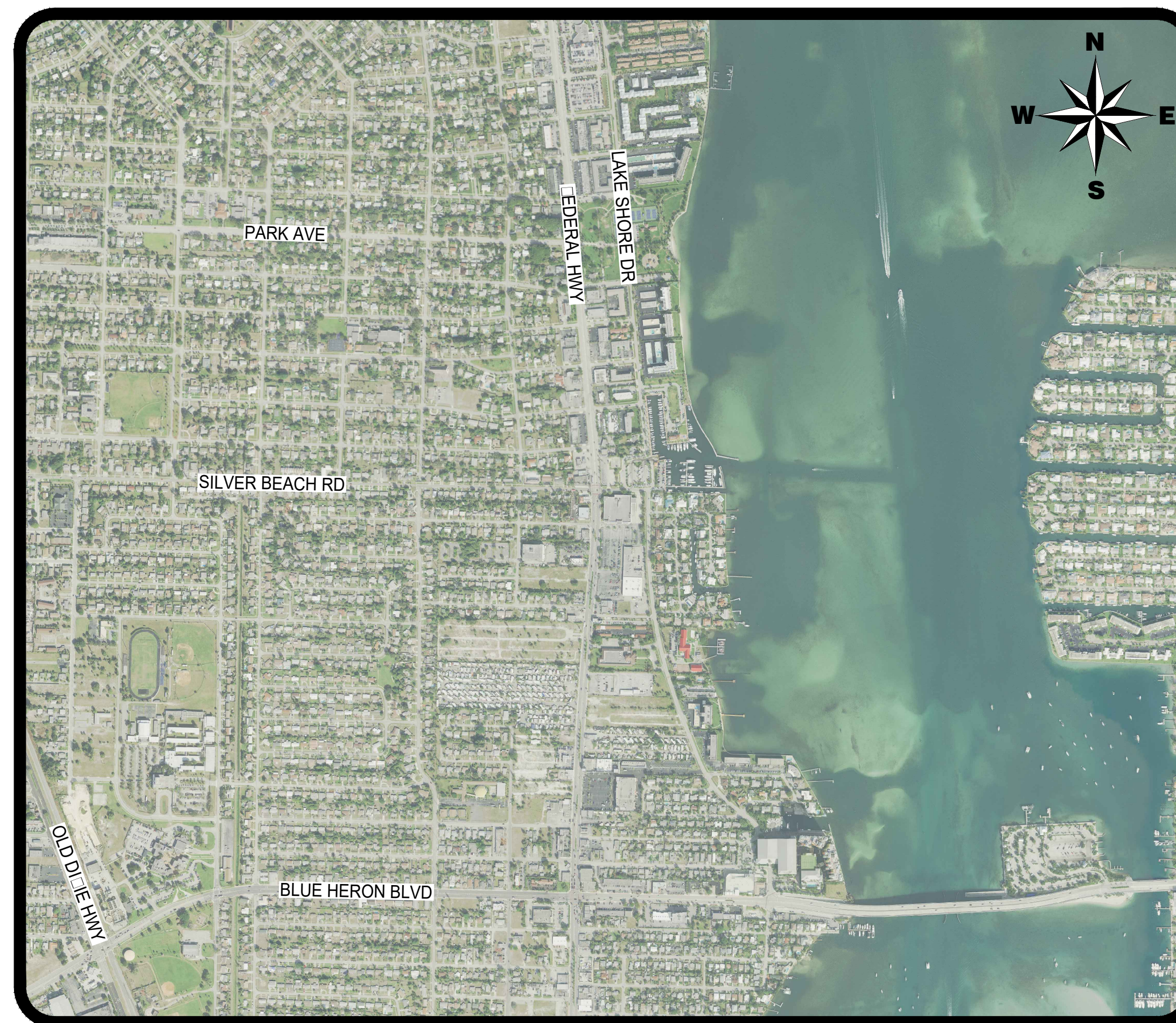
F	NAME	DIAMETER	HEIGHT	FOLIAGE
1	CHINESE PALM	1.2"	15'	20%
2	CHINESE PALM	1.2"	15'	20%
3	CHINESE PALM	1.2"	15'	20%
4	CHINESE PALM	1.2"	15'	20%
5	CHINESE PALM	1.2"	15'	20%
6	CHINESE PALM	1.2"	15'	20%
7	CHINESE PALM	1.2"	15'	20%
8	CHINESE PALM	1.2"	15'	20%
9	CHINESE PALM	1.2"	15'	20%
10	CHINESE PALM	1.2"	15'	20%
11	CHINESE PALM	1.2"	15'	20%
12	CHINESE PALM	1.2"	15'	20%
13	CHINESE PALM	1.2"	15'	20%
14	CHINESE PALM	1.2"	15'	20%
15	CHINESE PALM	1.2"	15'	20%
16	CHINESE PALM	1.2"	15'	20%
17	CHINESE PALM	1.2"	15'	20%
18	CHINESE PALM	1.2"	15'	20%
19	CHINESE PALM	1.2"	15'	20%
20	CHINESE PALM	1.2"	15'	20%
21	CHINESE PALM	1.2"	15'	20%
22	CHINESE PALM	1.2"	15'	20%
23	CHINESE PALM	1.2"	15'	20%
24	CHINESE PALM	1.2"	15'	20%
25	CHINESE PALM	1.2"	15'	20%
26	CHINESE PALM	1.2"	15'	20%
27	CHINESE PALM	1.2"	15'	20%
28	CHINESE PALM	1.2"	15'	20%
29	CHINESE PALM	1.2"	15'	20%
30	CHINESE PALM	1.2"	15'	20%
31	CHINESE PALM	1.2"	15'	20%
32	CHINESE PALM	1.2"	15'	20%
33	CHINESE PALM	1.2"	15'	20%
34	CHINESE PALM	1.2"	15'	20%
35	CHINESE PALM	1.2"	15'	20%
36	CHINESE PALM	1.2"	15'	20%
37	CHINESE PALM	1.2"	15'	20%
38	CHINESE PALM	1.2"	15'	20%
39	CHINESE PALM	1.2"	15'	20%
40	CHINESE PALM	1.2"	15'	20%
41	CHINESE PALM	1.2"	15'	20%
42	CHINESE PALM	1.2"	15'	20%
43	CHINESE PALM	1.2"	15'	20%
44	CHINESE PALM	1.2"	15'	20%
45	CHINESE PALM	1.2"	15'	20%
46	CHINESE PALM	1.2"	15'	20%
47	CHINESE PALM	1.2"	15'	20%
48	CHINESE PALM	1.2"	15'	20%
49	CHINESE PALM	1.2"	15'	20%
50	CHINESE PALM	1.2"	15'	20%
51	CHINESE PALM	1.2"	15'	20%
52	CHINESE PALM	1.2"	15'	20%
53	CHINESE PALM	1.2"	15'	20%
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90	CHINESE PALM	1.2"	15'	20%
91	CHINESE PALM	1.2"	15'	20%
92	CHINESE PALM	1.2"	15'	20%
93	CHINESE PALM	1.2"	15'	20%
94	CHINESE PALM	1.2"	15'	20%
95	CHINESE PALM	1.2"	15'	20%
96	CHINESE PALM	1.2"	15'	20%
97	CHINESE PALM	1.2"	15'	20%
98	CHINESE PALM	1.2"	15'	20%
99	CHINESE PALM	1.2"	15'	20%
100	CHINESE PALM	1.2"	15'	20%

SITE DEVELOPMENT PLANS FOR NAUTILUS 211

**SECTION 21, TOWNSHIP 42S., RANGE 43E.
TOWN OF LAKE PARK, FLORIDA**




VICINITY MAP
NOT TO SCALE

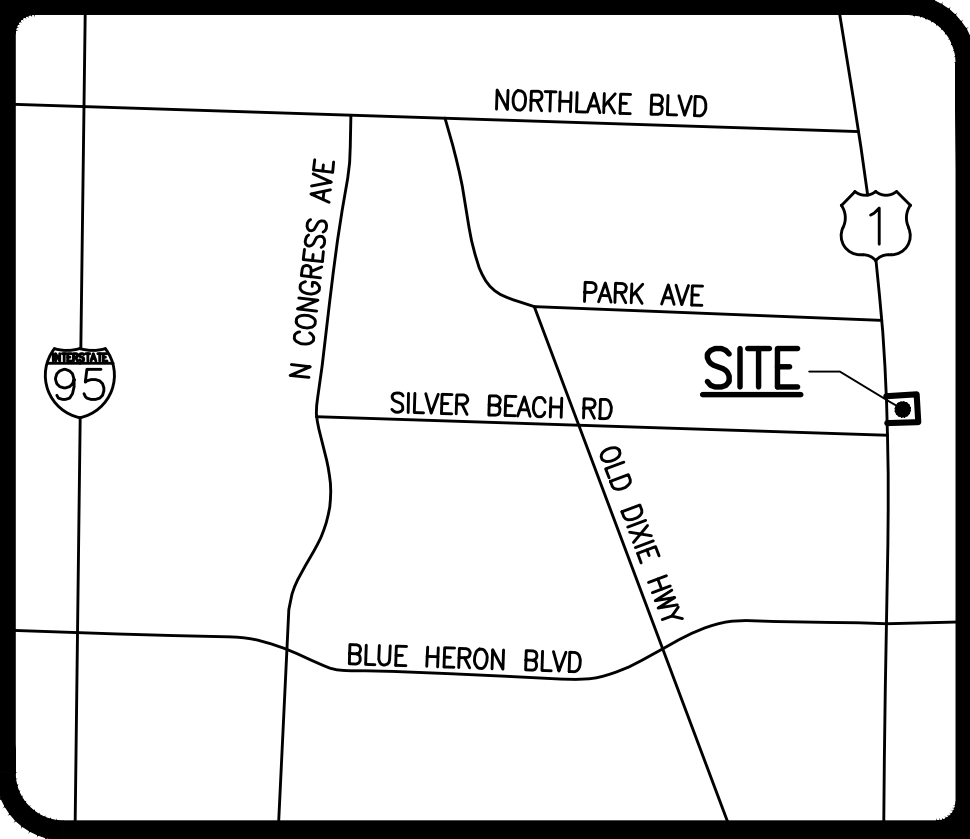
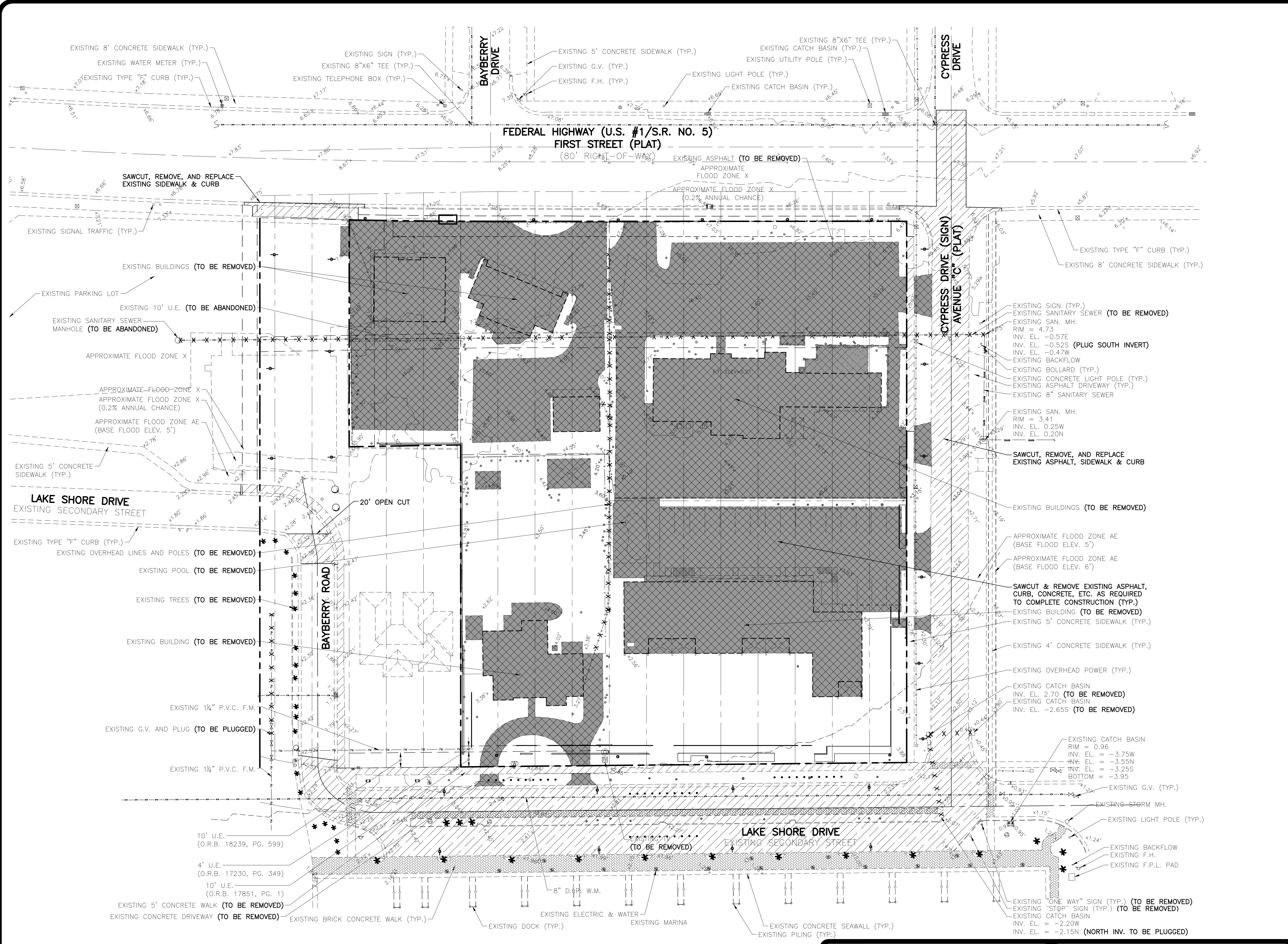


LOCATION MAP
NOT TO SCALE

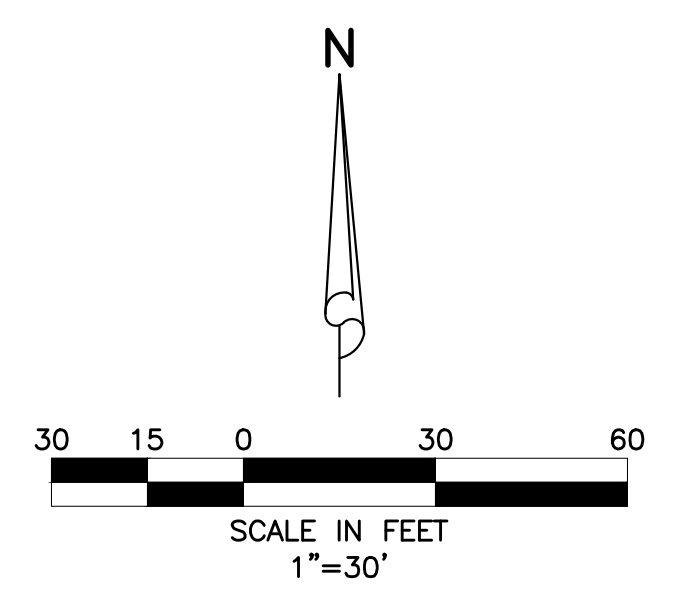
INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
1	TITLE SHEET
2	DEMOLITION PLAN
3	SITE DEVELOPMENT PLAN
4-5	SITE DEVELOPMENT DETAILS

		 <small>ENGINEERING PLANNING CONSULTING SINCE 1982</small> <small>2581 Metrocentre Blvd West • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7848</small>		NAUTILUS 211 SECTION 21, TOWNSHIP 42S., RANGE 43E. TOWN OF LAKE PARK, FLORIDA TITLE SHEET				
REVISIONS	DESIGN E.C.	DRAWN C.O.	CHECKED	APPROVED	DATE	JOB NO. 19-038	DRAWING NO. 19038S01	SHEET 1 OF 5



LOCATION MAP
NOT TO SCALE



LEGEND

- EXISTING GRADE ELEVATION
- SAWCUT, REMOVE, & REPLACE EXISTING PAVEMENT, CONCRETE, CURB, ETC.
- SAWCUT & REMOVE EXISTING PAVEMENT, CONCRETE, CURB, ETC.
- EXISTING OVERHEAD POWER LINE & POWER POLE
- EXISTING STORM DRAINAGE PIPE
- EXISTING WATER MAIN
- EXISTING SEWER MAIN
- EXISTING FORCE MAIN

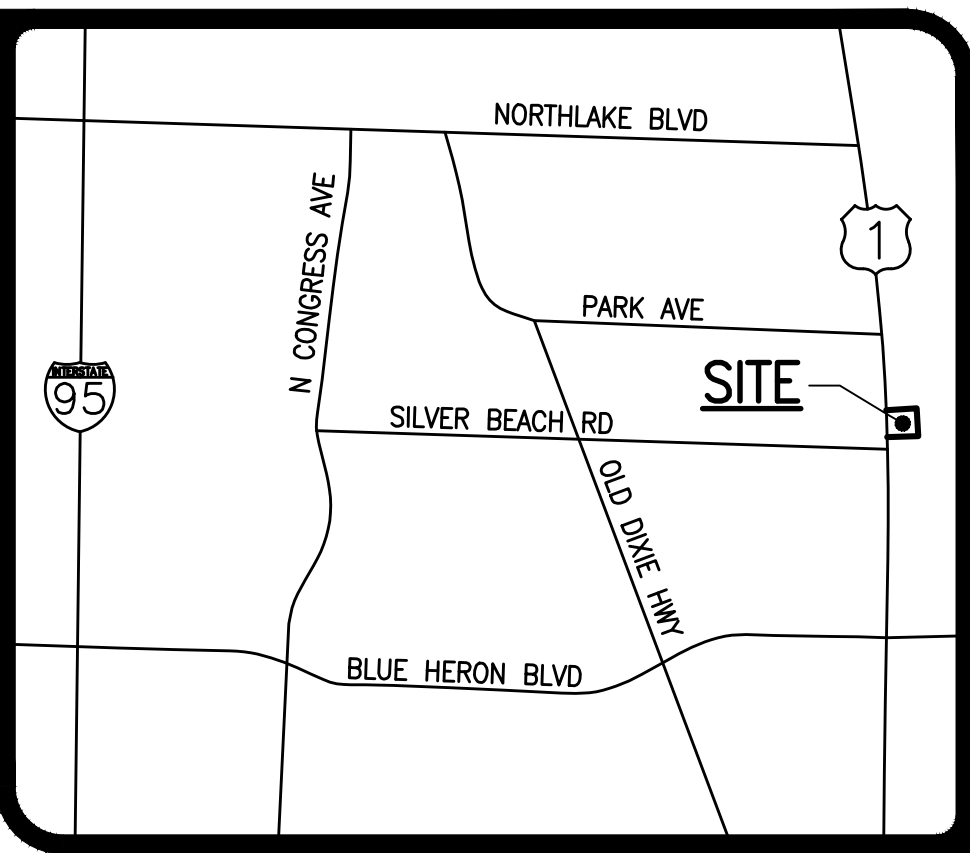
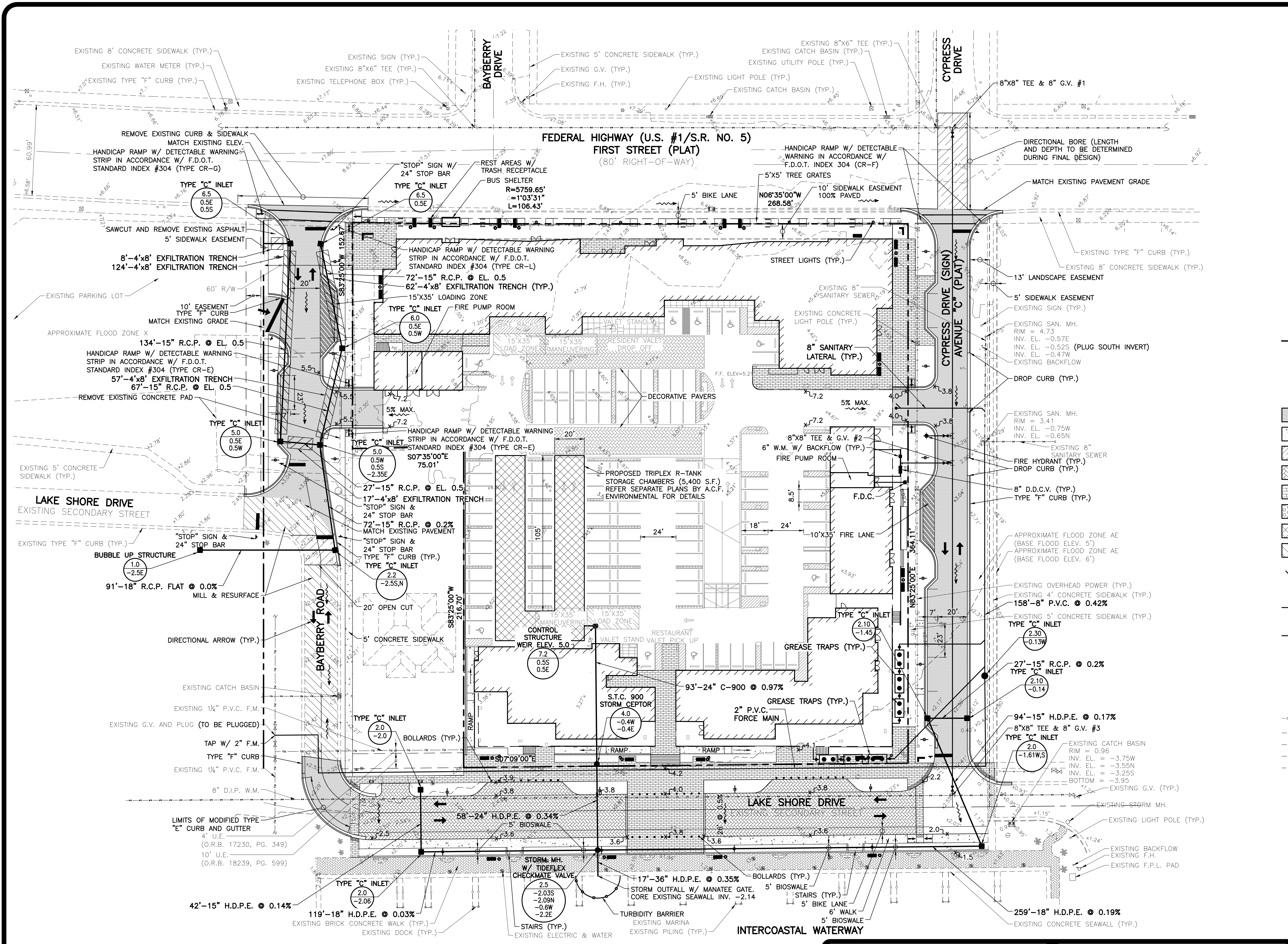
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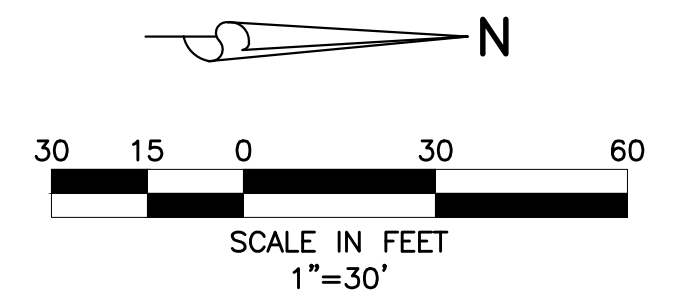
NAUTILUS 211
SECTION 21, TOWNSHIP 42S., RANGE 43E.
TOWN OF LAKE PARK, FLORIDA
DEMOLITION PLAN

DESIGN E.C.	DRAWN C.O.	CHECKED	APPROVED	DATE	JOB NO. 19-038	DRAWING NO. 19038S02	SHEET 2 OF 5
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Y:\AUTOCAD_FILES\2019\19-038 SITE DEVELOPMENT PLANS\19038S02_DP.dwg 11/22/2019 3:27 PM Connor O'Rourke



LOCATION MAP
NOT TO SCALE



LEGEND

- PROPOSED STORM SEWER AND CATCH BASIN
- DIRECTION OF FLOW
- DIRECTION OF SWALE
- PROPOSED TOPO
- EXISTING GRADE ELEVATION
- PROPOSED ASPHALT
- PROPOSED CONCRETE
- SAWCUT, REMOVE, & REPLACE EXISTING PAVEMENT, CONCRETE, CURB, ETC.
- PROPOSED DECORATIVE CONCRETE
- PROPOSED BRICK PAVERS
- PROPOSED DETECTABLE WARNING SURFACE
- PROPOSED TRIPLEX R-TANK STORAGE CHAMBER
- MILL AND RESURFACE
- SEWER SERVICE W/ CLEAN-OUT
- FIRE HYDRANT W/ GATE VALVE
- PROPOSED SANITARY SEWER LINE, MANHOLE & FLOW DIRECTION
- WATER SERVICE & R.P.Z. (REFER TO POTABLE WATER SERVICE SINGLE METER INSTALLATION DETAIL)
- PROPOSED DIRECTIONAL ARROW
- PROPOSED 24" WHITE STOP BAR, "STOP" SIGN & 6" DOUBLE YELLOW STRIPE
- PROPOSED LIGHT POLE (BY OTHERS)
- EXISTING OVERHEAD POWER LINE & POWER POLE
- EXISTING STORM DRAINAGE PIPE
- EXISTING WATER MAIN
- EXISTING SEWER MAIN
- EXISTING FORCE MAIN

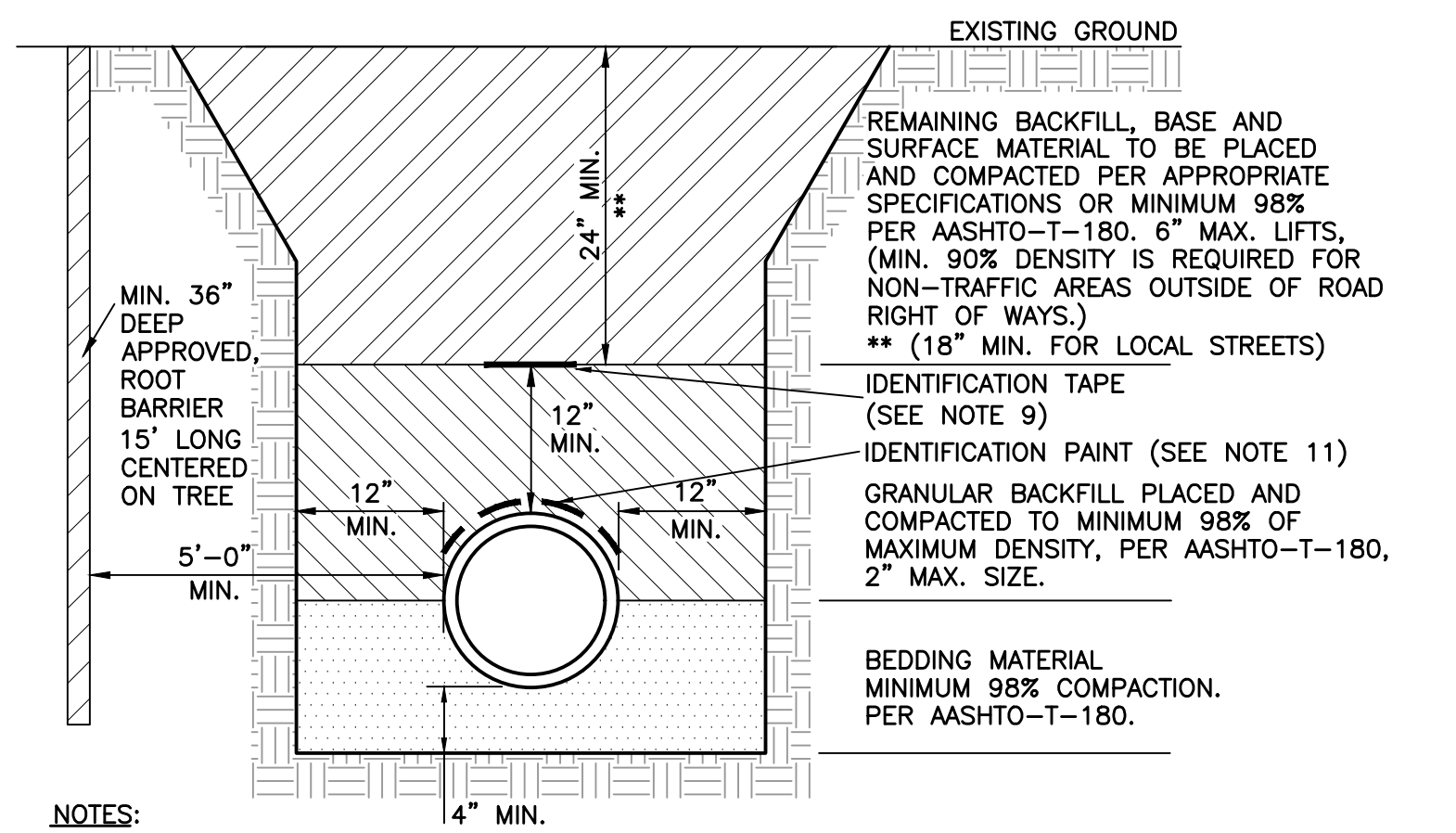
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ST. LUCIE • MARTIN COUNTIES
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SUNSHINE STATE 1 CALL
UNDERGROUND UTILITIES
NOTIFICATION CENTER

NOTE: ALL ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988 BASED ON A SURVEY PREPARED BY BASELINE LAND SURVEY LLC (561) 417-0700.

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NAUTILUS 211
SECTION 21, TOWNSHIP 42S., RANGE 43E.
TOWN OF LAKE PARK, FLORIDA
SITE DEVELOPMENT PLANS

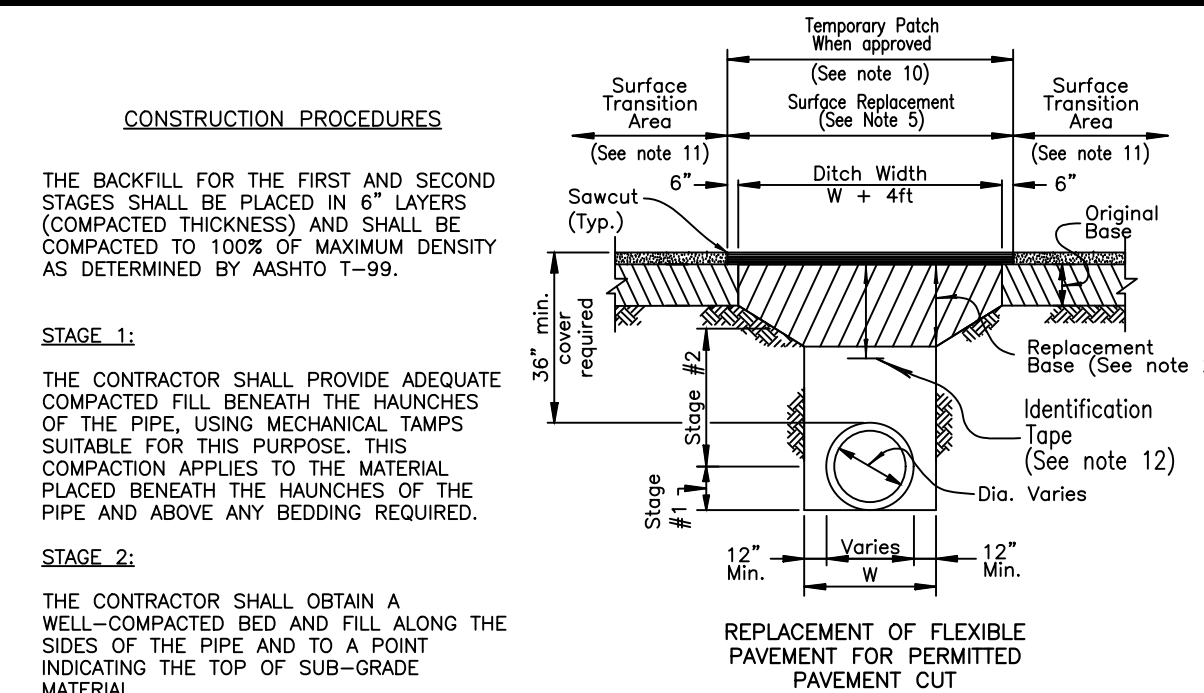
REVISIONS	DESIGN E.C.	DRAWN C.O.	CHECKED	APPROVED	DATE	JOB NO. 19-038	DRAWING NO. 19038S03	SHEET 3 OF 5



- NOTES:**
- BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
 - THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
 - THE PIPE SHALL BE PLACED IN A DRY TRENCH.
 - BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGE ROCK, MUCK AND DEBRIS.
 - DENSITY TESTS ABOVE TAKEN IN 1 FOOT LIFTS ABOVE THE PIPE AT INTERVALS OF 400' MAXIMUM, (MINIMUM 1 SET) OR AS DIRECTED BY THE CONSTRUCTION COORDINATION DIVISION. RESULTS SHALL BE SUBMITTED TO CONSTRUCTION COORDINATION AS PART OF THEIR FIELD REVIEW.
 - THE PERMITTEE/DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL TRENCH SAFETY LAWS AND REGULATIONS.
 - SEE SEPARATE DETAIL FOR PAVED AREAS (OPEN CUT FOR THOROUGHFARE AND NON-THOROUGHFARE ROADS).
 - THE AFFECTED AREA SHALL BE RESTORED TO EQUAL OR BETTER CONDITION OR AS SPECIFIED IN PERMIT/CONTRACT DOCUMENTS.
 - APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE COUNTY'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
 - ROOT BARRIER IS REQUIRED FOR APPROVED PIPE INSTALLATION CLOSER THAN 10 FEET FROM AN EXISTING TREE.
 - CONTINUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DIP/PCCP WATER MAINS (BLUE), DIP SANITARY FORCE MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APWA.
 - PERMANENT ABOVE GROUND UTILITY MARKER SHALL BE INSTALLED IF REQUIRED BY PROPERTY OWNER GRANTING THE PIPE INSTALLATION PERMIT.

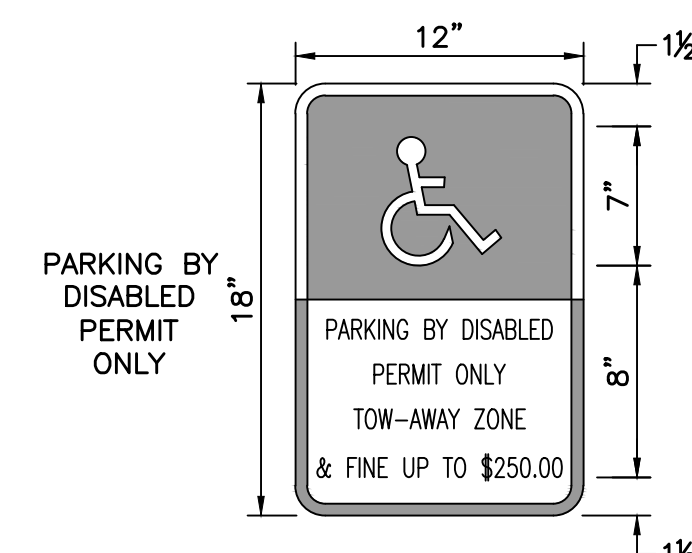
**TYPICAL TRENCH DETAIL WITH ROOT BARRIER
INSTALLATION DETAIL (NON-PAVED AREAS)**

NOT TO SCALE



- CONSTRUCTION PROCEDURES**
- THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 6" LAYERS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- STAGE 1:**
THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.
- STAGE 2:**
THE CONTRACTOR SHALL OBTAIN A WELL-COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.
- NOTES:**
- BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
 - REPLACED BASE MATERIAL OVER DITCH SHALL BE 16" LIMEROCK (LBR100) MINIMUM FOR THOROUGHFARE PLAN ROADS. ANY ALTERNATE BASE MATERIAL REQUESTED BY THE ENGINEER OF RECORD REQUIRES APPROVAL BY THE ROADWAY PRODUCTION DIVISION.
 - ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINTED.
 - BASE MATERIAL (PER ROADWAY PRODUCTION DESIGN STANDARDS) SHALL BE PLACED IN TWO OR THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY. (MINIMUM 98% AASHTO T-180)
 - 1" FRICTION COURSE FC-9.5 OVER 1-1/2" TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL C) WITH TACK COAT AT 0.05 GAL/SY AND PG-70 PRIME COAT AT 0.10 GAL/SY FOR LIMEROCK BASE. FOLLOW THE LATEST FDOT SPECIFICATIONS FOR APPLICATION RATES OF PRIME AND TACK COATS. CONTRACTOR TO SUBMIT MATERIALS AND RATES TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
 - PIPE SHALL BE PLACED IN A DRY TRENCH.
 - ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND COUNTY PPM# EL-0-3805.
 - DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 400 FT MAXIMUM (1 SET MINIMUM) OR AS DIRECTED BY THE CONSTRUCTION COORDINATION DIVISION. RESULTS SHALL BE SUBMITTED TO CONSTRUCTION COORDINATION DIVISION AS PART OF THEIR FIELD REVIEW.
 - ENGINEER-OF-RECORD SHALL PROVIDE FULL-TIME INSPECTION DURING THE ENTIRETY OF THE OPEN-CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE PAVING.
 - IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 1.5" SP 12.5 STRUCTURAL COURSE ASPHALT) SHALL BE INSTALLED, PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE COUNTY RETAINS THE RIGHT TO USE POSTED SURETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAY PERIOD. ALTERNATIVE TEMPORARY TRENCH PROTECTION (STEEL PLATES OR OTHERS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATION DIVISION.
 - THE FINAL RESTORATION (INCLUDES THE PATCHED/SURFACE REPLACEMENT AREA OVER THE TRENCH). THE ROAD SHALL BE MILLED/RESURFACED PER NOTE 5 ABOVE FOR A FULL LANE WIDTH OF THE TRAVEL LANES ENCLOSED BY THE TRENCH AREA, INCLUDING A TRANSITION AREA OF 50 FT ON EACH SIDE MEASURED FROM TOP OF TRENCH.
 - APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE COUNTY'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
 - CONTINUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DIP/PCCP WATER MAINS (BLUE), SANITARY MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APWA.

**OPEN CUT FOR THOROUGHFARE ROADS
(PAVED AREAS)**

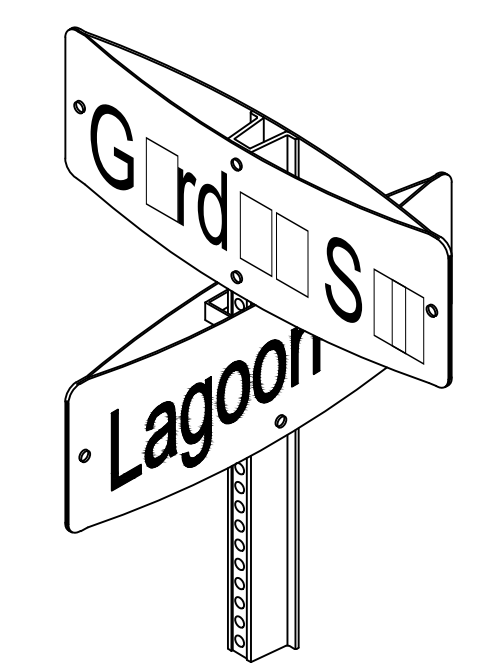


- NOTES:**
- ALL LETTERS ARE 1" SERIES 'C'.
 - TOP PORTION TO BE REFLECTORIZED BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
 - BOTTOM PORTION TO BE REFLECTORIZED WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.

HANDI-CAP SIGN DETAIL

NOT TO SCALE

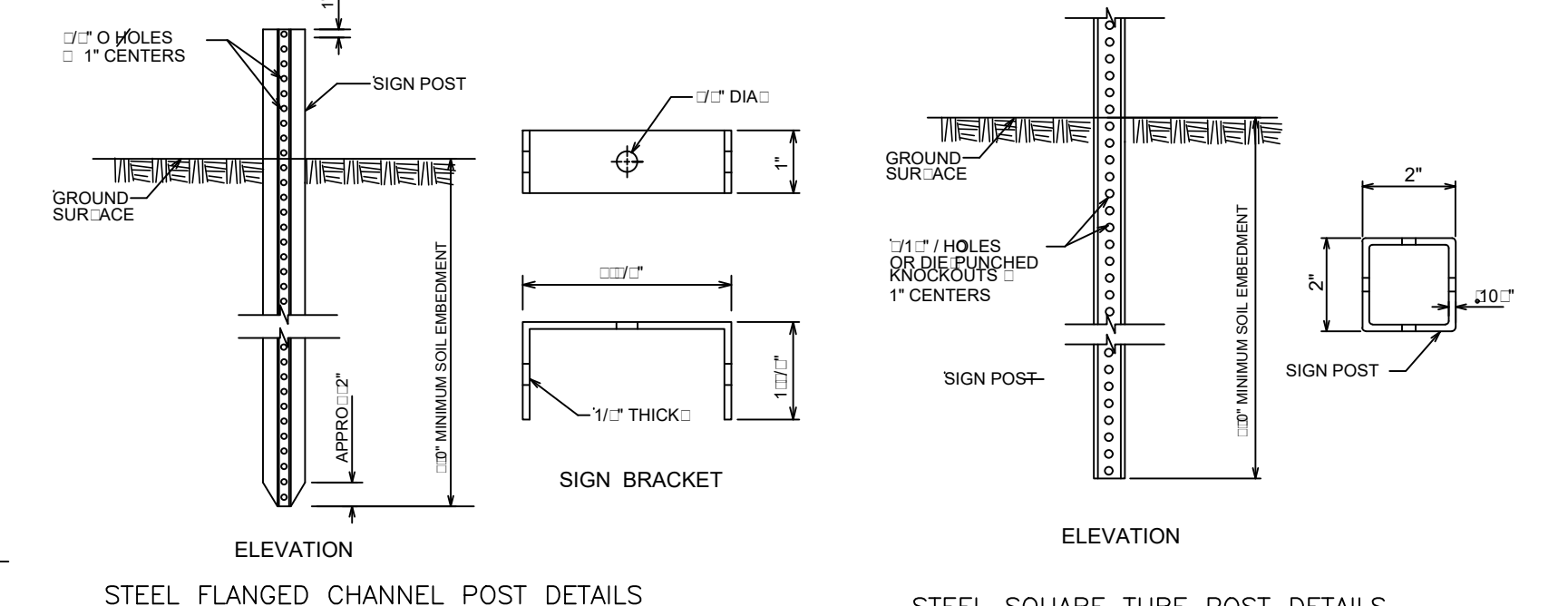
- NOTES:**
- SIGNAGE AND STRIPING TO BE CONSTRUCTED IN ACCORDANCE WITH PALM BEACH COUNTY ORDINANCE NO. 85-42



ISOMETRIC VIEW

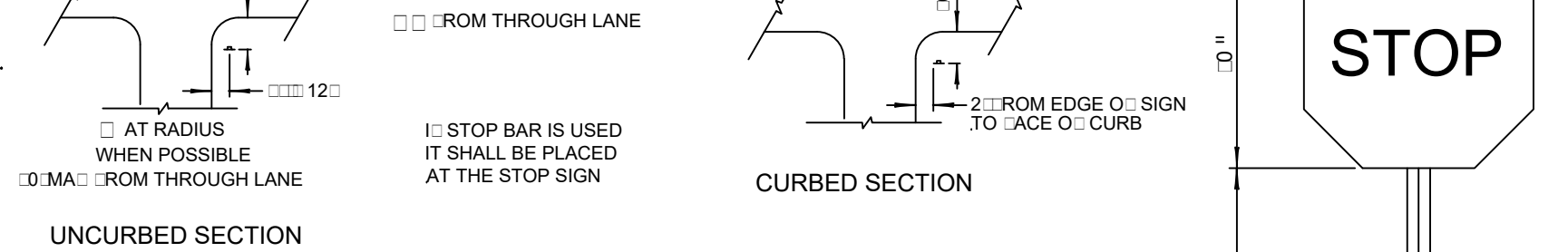
GENERAL SPECIFICATIONS:

- FLAT BLADE: ALCOA #86054.6063-T6 ALLOY, ETCHED, DEGREASED WITH #1200 ALODINE FINISH WITH #3877 GREEN HIGH INTENSITY BACKGROUND AND EQUAL DIMENSIONS - 9" & 12" MIN. H, 24", 30", 36" AND 42" L.
- LETTERS: NAME - 6" UPPERCASE WITH 4.5" LOWERCASE & 9" UPPERCASE WITH 6.75" LOWERCASE SERIES, "B" #3870 HIGH INTENSITY (SILVER) OR EQUAL - SUFFIX - 4.5
- POST: STEEL FLANGED CHANNEL POST 3 LBS. PER FOOT WITH BAKED GREEN ALKYL OR GALVANIZED FINISH PER A.S.T.M. -A-123 WITHOUT ANCHOR PLATES. SQUARE POST PER FDOT INDEX 11860.
- BRACKETS SHALL BE ATTACHED FIRMLY ON STANDARD SQUARE TUBE OR U-CHEMEL POSTS BY MEANS OF (2) 3/8" DIAMETER HEX HEAD BOLTS.
- STOP SIGN: R1-1 MUTCD - (HIGH INTENSITY)
- LOCATION: ONE PER INTERSECTION AS INDICATED ON THE PLANS.
- POLICY: 9" BLADES WITH 6" UPPER CASE WITH 4.5" LOWERCASE LETTERS FOR TWO LANE ROADS WITH A SPEED LIMIT UNDER 45 MPH 12" BLADES WITH 9" UPPERCASE WITH 6.75" LOWERCASE LETTERS FOR: -THOROUGHFARE ROADS FOUR LANES OR WIDER, -TWO LANE ROADS WITH A POSTED SPEED LIMIT OF 45 MPH OR MORE. ONLY ONE BLADE WILL BE USED INDICATING THE SIDE STREET NAME.



STEEL FLANGED CHANNEL POST DETAILS

STEEL SQUARE TUBE POST DETAILS

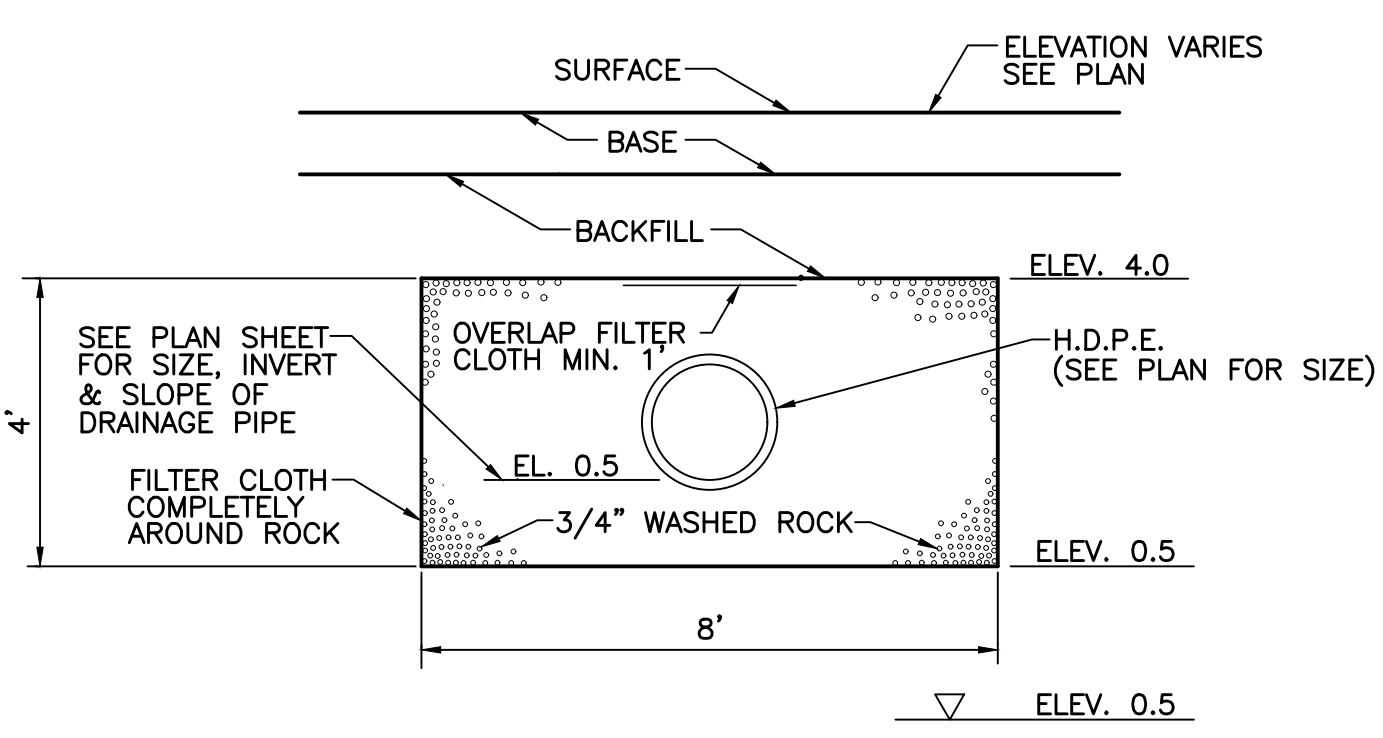


TYPICAL STOP SIGN PLACEMENT



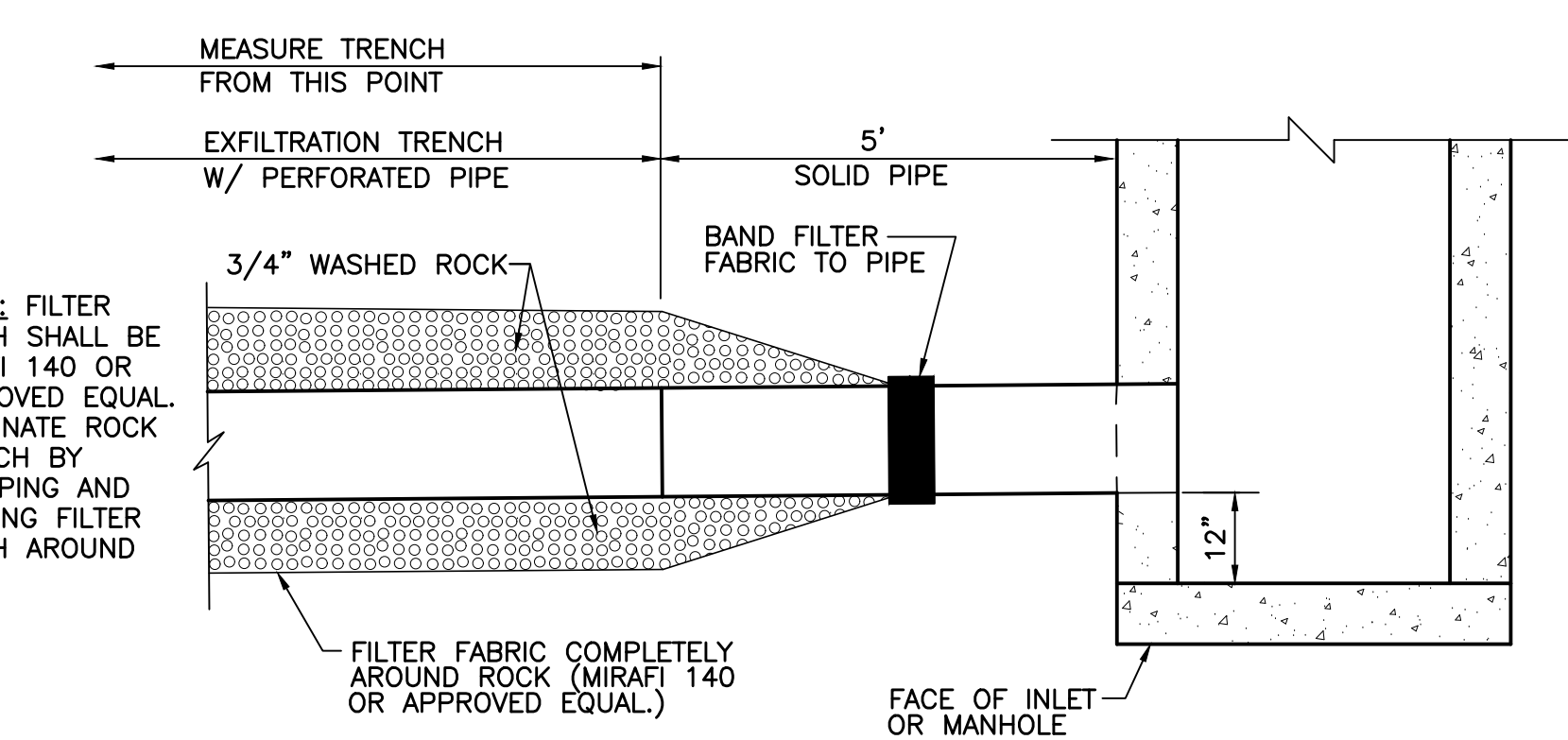
STREET NAME SIGN WITH STOP SIGN

NOT TO SCALE



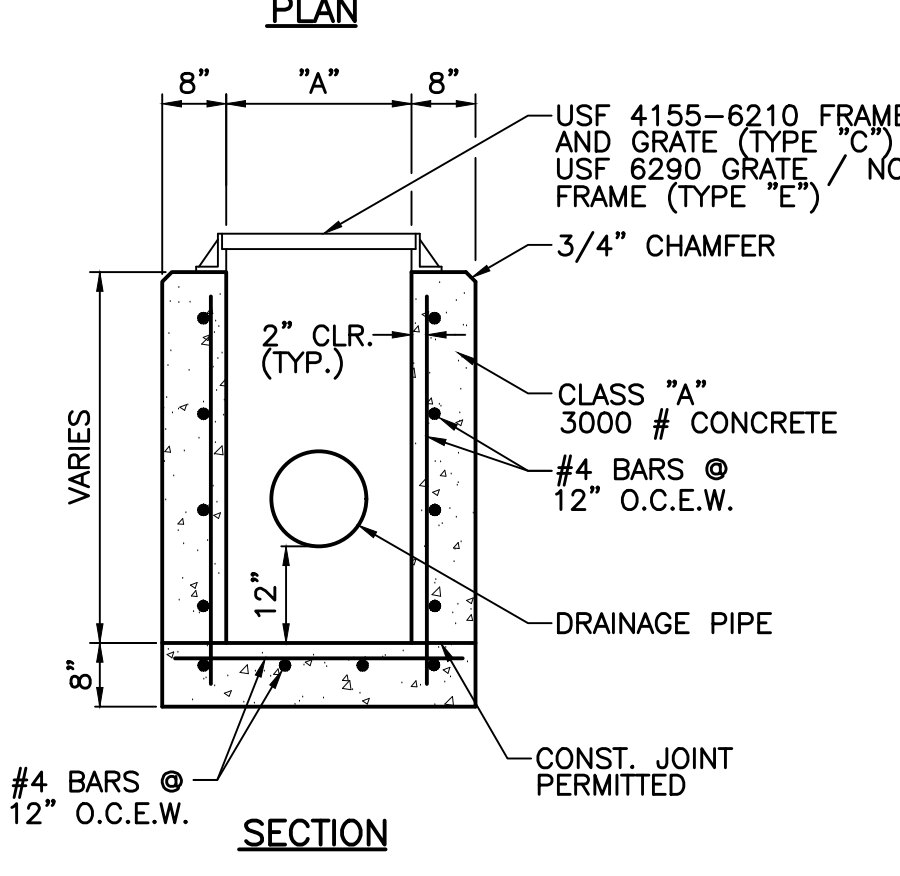
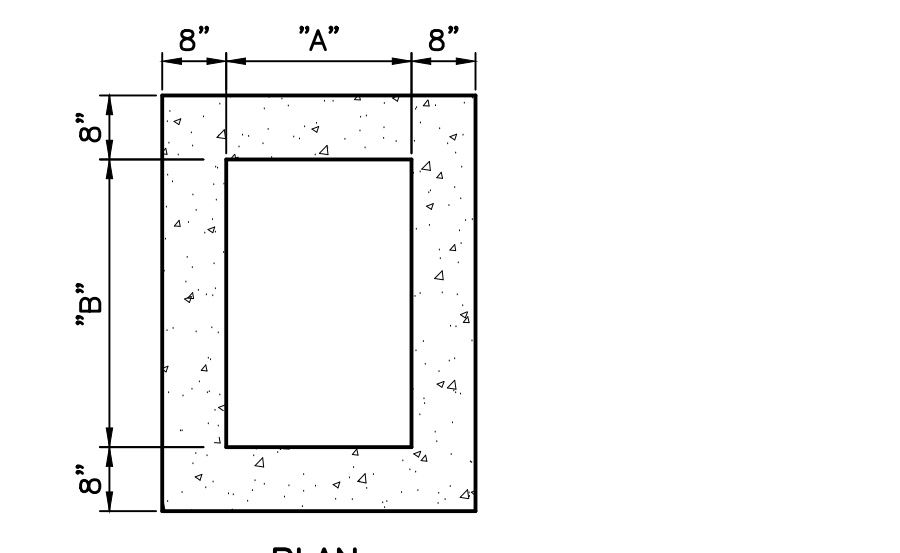
EXFILTRATION TRENCH

NOT TO SCALE



FILTER FABRIC END CLOSURE DETAIL

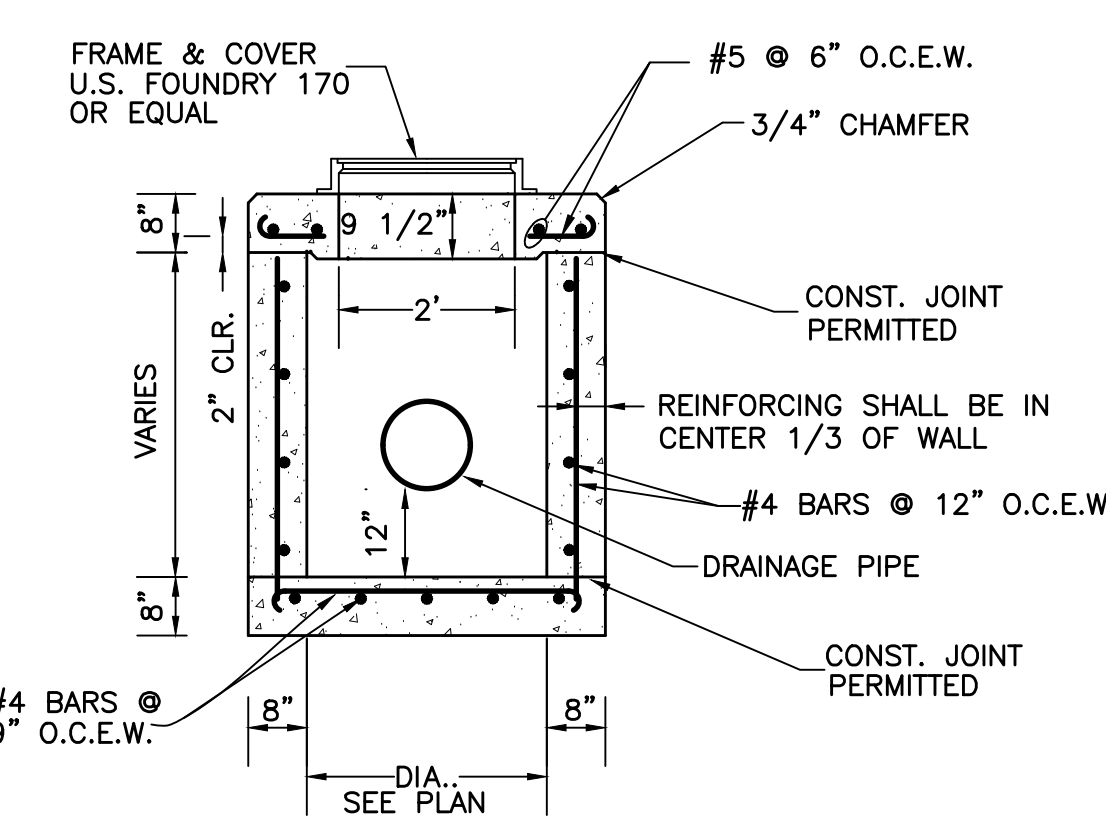
NOT TO SCALE



TYPE	DIMENSIONS	
INLET	"A"	"B"
C	2'-0"	3'-1"
E	3'-0"	4'-6"

STANDARD TYPE "C" & "E" INLET

NOT TO SCALE



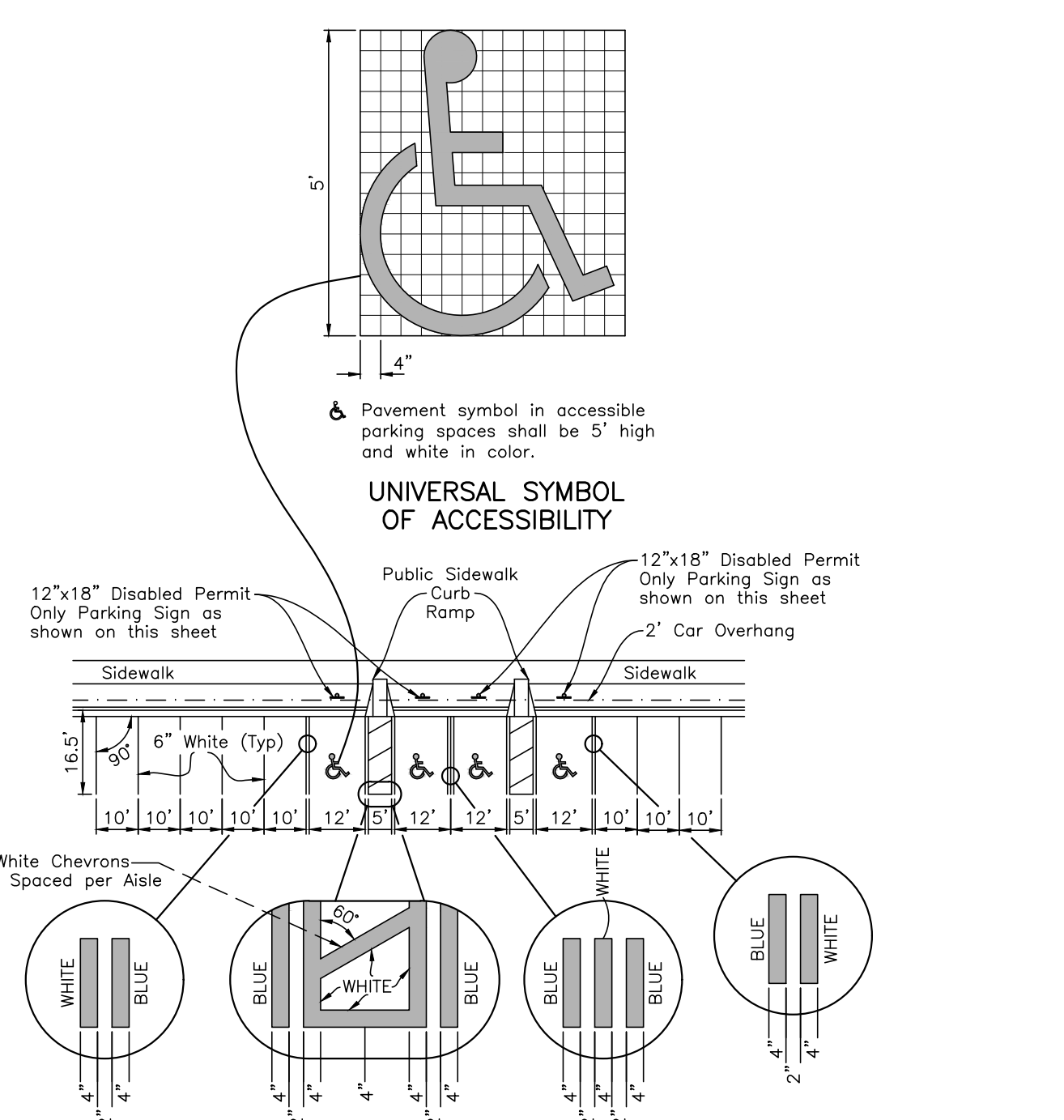
SECTION

STANDARD MANHOLE

NOT TO SCALE

INLET AND MANHOLE NOTES

- ALL EXPOSED CORNERS AND EDGES SHALL BE CHAMFERED 3/4".
- INLETS AND MANHOLES SHALL BE PRECAST CLASS "A" 3000 P.S.I. CONCRETE.
- FRAMES AND GRATES SHALL BE CAST IRON AND IN ACCORDANCE WITH F.D.O.T. SPECIFICATIONS.
- REINFORCING STEEL SHALL CONFORM TO A.S.T.M. 615 GRADE 40.
- INLET GRATES SHALL BE U.S. FOUNDRY DWG. OR EQUAL (USF 4155-6210 TYPE "C", USF 6290 TYPE "E") TYPE "E" GRATE CAST IN TWO SECTIONS.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER.



UNIVERSAL SYMBOL OF ACCESSIBILITY

1. ALL EXPOSED CORNERS AND EDGES SHALL BE CHAMFERED 3/4".
2. CRITERIA FOR PAVEMENT MARKINGS ONLY, NOT PUBLIC SIDEWALK CURB RAMP LOCATIONS. FOR RAMP LOCATIONS REFER TO PLANS.
3. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH HIDE 15180 OF FEDERAL STANDARDS 595a.

PAVEMENT MARKING FOR PUBLIC SIDEWALK CURB RAMPS

TYPICAL PARKING SPACES

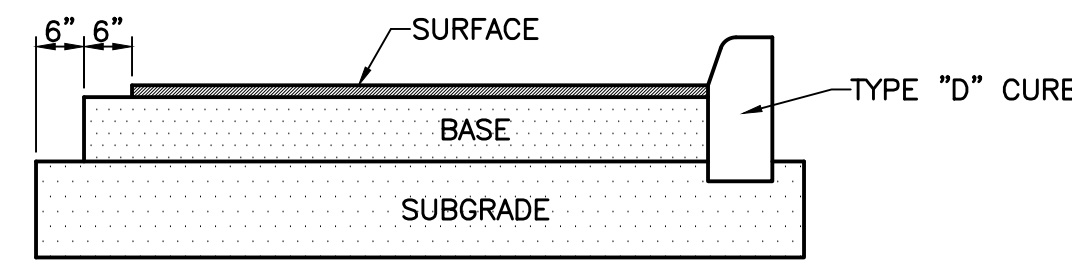
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<p>ENGINEERING PLANNING CONSULTING SINCE 1982</p> <p>2581 Metrocentre Blvd West • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7848</p>				<p>NAUTILUS 211</p> <p>SECTION 21, TOWNSHIP 42S., RANGE 43E.</p> <p>TOWN OF LAKE PARK, FLORIDA</p> <p>SITE DEVELOPMENT DETAILS</p>		
				<p>REVISIONS</p>	<p>DESIGN E.C.</p>	<p>DRAWN C.O.</p>
<p>JOB NO. 19-038</p>	<p>DRAWING NO. 19038S04</p>	<p>SHEET 4</p>	<p>OF 5</p>			

GENERAL NOTES:

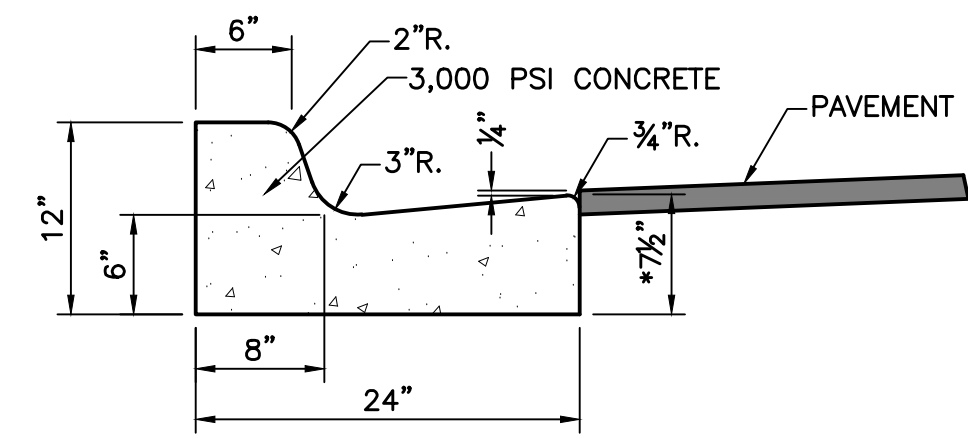
- NOTIFY ENGINEER OF IN-FIELD CONFLICTS OR DESIGN DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- EXISTING WATER, SEWER AND DRAINAGE SYSTEMS ARE REPRESENTED AS DASHED LINES AND SHALL BE VERIFIED BY CONTRACTOR.
- CONTRACTOR SHALL PROTECT ALL UTILITIES AND PUBLIC IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DURING CONSTRUCTION AND SHALL REPAIR SAID DAMAGES AT HIS EXPENSE. CONTRACTOR TO RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.
- SUPPORT OR THE RELOCATION OF EXISTING STREET LIGHT POLES, POWER OR TELEPHONE POLES, EXISTING UTILITIES, IRRIGATION SYSTEMS, SIDEWALKS, WALLS, ETC. NECESSARY FOR COMPLETION OF THIS WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
- INFORMATION SHOWN ON THESE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT BE GUARANTEED, HOWEVER, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF ANY EXISTING UTILITIES. ALL "AS-BUILT" INFORMATION INCLUDING LOCATION AND ELEVATION OF UTILITY STUB-OUTS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OR ORDERING OF STRUCTURES. NOTIFY ENGINEER OF DISCREPANCIES/CONFLICTS.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS CONCERNING SIDEWALKS, RAMPS, STRIPING AND SIGNAGE, LIGHTING AND ELECTRICAL CONDUIT, ETC.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND NOTIFY THE ENGINEER OF ANY DEVIATIONS PRIOR TO COMMENCING CONSTRUCTION.
- SIDEWALKS TO BE FLUSH WITH YARD AREAS UNLESS OTHERWISE NOTED.
- ALL DRAINAGE CONSTRUCTION SHALL CONFORM TO FLORIDA DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND TOWN OF LAKE PARK REQUIREMENTS.
- GRADE ALL PAVEMENT AREAS TO CATCH BASINS. CONTRACTOR TO NOTIFY ENGINEER IF IN-FIELD CONDITIONS CHANGE, ARCHITECTURAL DETAILS WILL CREATE CONFLICTS WITH DRAINAGE DESIGN SHOWN, POTENTIAL EROSION PROBLEMS ARISE OR STANDING WATER OCCURS.
- ALL ELEVATIONS SHOWN HEREON REFER TO N.G.V.D. 1988 TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY BASELINE LAND SURVEY (561) 417-0700.
- ALL DRAINAGE PIPE SHOWN AS R.C.P. SHALL BE REINFORCED CONCRETE PIPE CLASS III, WALL "B" AND CONFORMING TO FLORIDA DEPT. OF TRANSPORTATION SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE ADEQUATE EQUIPMENT FOR THE REMOVAL OF STORM, SURFACE AND/OR SUBSURFACE WATER WHICH MAY ACCUMULATE IN THE EXCAVATION AREAS SO THAT IT WILL BE SUITABLY DRY FOR WORK REQUIRED.
- NO OFF-SITE DISCHARGE FROM DEWATERING OPERATIONS SHALL BE PERMITTED UNLESS THE CONTRACTOR SECURES WRITTEN PERMISSION FROM THE GOVERNING AUTHORITIES.
- ALL SUB-BASE UNDER ROADWAYS, PARKING LOTS, CURBS, ETC. SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180 PROCTOR.
- WHERE ENCOUNTERED (OR SPECIFIED IN THE GEOTECHNICAL REPORT), MUCK/UNSUITABLE MATERIALS SHALL BE COMPLETELY REMOVED FROM PROPOSED PAVING AND BUILDING AREAS 10 FEET BEYOND THE EDGE OF PAVEMENT/BUILDING PAD EACH SIDE.
- CONTRACTOR TO PROVIDE TEST REPORTS FROM AN INDEPENDENT LABORATORY FOR PROCTORS AND DENSITIES ON BASE, SUBGRADE AND PIPE BACKFILL.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PAVING AND DRAINAGE, WATER AND SEWER CONSTRUCTION RECORD INFORMATION TO THE ENGINEER.
- CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO OBSERVE:
 - STORM SEWER AFTER GROUTING AND WHEN BACKFILL IS COMPLETED TO THE MIDPOINT OF THE PIPE.
 - STRINGLINING OF SUBGRADE.
 - STRINGLINING/BOARDING OF BASE.
- THE CONTRACTOR SHALL FILL AND FINE GRADE ALL PLANTING AREAS, LEAVING THE FINISHED GRADE SMOOTH AND READY TO RECEIVE SOD OR OTHER PLANTING MATERIAL. WHERE SOD IS DESIRED, THE FINISHED GRADES SHALL BE TWO (2) INCHES LOWER TO ALLOW FOR THICKNESS OF THE GRASS. SPECIAL ATTENTION SHALL BE GIVEN ALONG EDGE OF PAVEMENT AND SIDEWALKS SO AS NOT TO TRAP WATER.
- ANY SHELLROCK OR LIMESTONE PAVING BASE INSTALLED WITHIN PLANTING AREAS SHALL BE REMOVED IN ITS ENTIRETY PRIOR TO PLACING PLANTER AREA FILL.
- ALL SWALE, RIGHT OF WAY AREAS AND YARD AREAS SHALL BE GRADED AND SEEDED OR SODDED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. NO AREAS SHALL BE LEFT BARREN OR SUBJECT TO EROSION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE TO ALL O.S.H.A. RULES AND FLORIDA LAWS RELATED TO TRENCH SAFETY.
- CONTRACTOR SHALL ENSURE NO SEDIMENT OR DEBRIS LEAVES THE SITE DURING CONSTRUCTION IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS (SILT FENCE, HAY BALES OR SOD APRONS AT INLETS, WASH ROCK EXIT, ETC. MAY BE REQUIRED TO MEET SAID REQUIREMENTS). CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION, IMPLEMENTATION AND CERTIFICATION OF ALL N.P.D.E.S. POLLUTION PREVENTION RELATED MEASURES (i.e. FILING OF AN N.O.I. POLLUTION PREVENTION PLAN MONITORING REPORTS, ETC.)
- CONTRACTOR SHALL REFER TO LANDSCAPE PLANS FOR PLANTING AND BERMING REQUIREMENTS AND NOTIFY ENGINEER OF ANY CONFLICTS WITH THIS PLAN.
- CONTRACTOR SHALL CONTACT PALM BEACH COUNTY TRAFFIC OPERATIONS AT (561) 233-3900) 48 HOURS PRIOR TO CONSTRUCTION, IF ANY WORK IS BEING DONE WITHIN 10 FEET OF A SIGNALIZED INTERSECTION.
- ANY DAMAGE TO PBC-TRAFFIC I.T.S. FACILITIES CAUSED BY CONSTRUCTION OF THIS PROJECT MUST BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION BY THE PERMITEE AT NO COST TO PALM BEACH COUNTY.
- PALM BEACH COUNTY (PBC) RESERVES THE RIGHT TO DETERMINE IF DAMAGED PBC FACILITIES WILL BE REPAIRED OR REPLACED.

DENSITY TESTING REQUIREMENTS:
 A. PIPE TRENCHES SHALL BE TESTED AT RANDOMLY SELECTED LOCATIONS ALONG THE LENGTH OF EACH PIPE RUN WITHIN EACH 300' INTERVAL (MAXIMUM) AND BETWEEN EACH SET OF TWO STRUCTURES IF A PIPE RUN SEPARATING THE TWO IS LESS THAN 300' IN LENGTH.
 B. ALL PIPE AND STRUCTURE TRENCHES SHALL BE BACKFILLED USING A MAX. OF 12" LIFTS. ALL BACKFILL MATERIAL SHALL BE CLEAN, DRY STRUCTURAL FILL, WITH NO DELETERIOUS OR ORGANIC MATERIAL PRESENT.
 C. AT LEAST ONE TEST SHALL BE PERFORMED FOR EVERY 12" OF DEPTH, STARTING AT THE SPRINGLINE OF THE PIPE, COVERING THE 12" LAYER BELOW THE SPRINGLINE OF THE PIPE.
 D. TESTS SHALL BE PERFORMED AT EVERY STRUCTURE BEGINNING AT THE BASE OF THE STRUCTURE (COVERING THE 12" BELOW THE BASE OF THE STRUCTURE) WITH ONE TEST FOR EVERY 12" LIFT. TESTS SHALL ALTERNATE FROM CORNER TO CORNER OR FROM SIDE TO SIDE AROUND THE STRUCTURE WITH EACH 12" LIFT.
 E. ALL DENSITY TESTS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER, LICENSED IN THE STATE OF FLORIDA.
 NOTE: ALL TESTS AND LOCATIONS ARE SUBJECT TO REVIEW BY REPRESENTATIVES OF OUR OFFICE AND ADDITIONAL TESTS MAY BE REQUIRED BASED ON FIELD OBSERVATIONS OF CONSTRUCTION TECHNIQUES OR MATERIALS USED ON SITE.



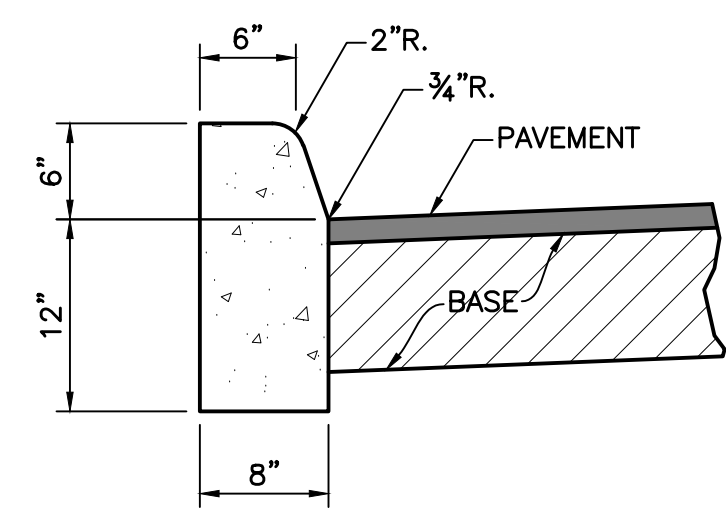
PAVEMENT SPECIFICATION
 NOT TO SCALE
 SURFACE: 1 1/2" A.C.S.C. S-3
 BASE: 8" LIMEROCK COMPACTED TO 98% PER A.A.S.H.T.O. T-180
 SUBGRADE: 12" COMPACTED GRANULAR MATERIAL COMPACTED TO 98% PER A.A.S.H.T.O. T-180

PAVEMENT SPECIFICATION
 NOT TO SCALE

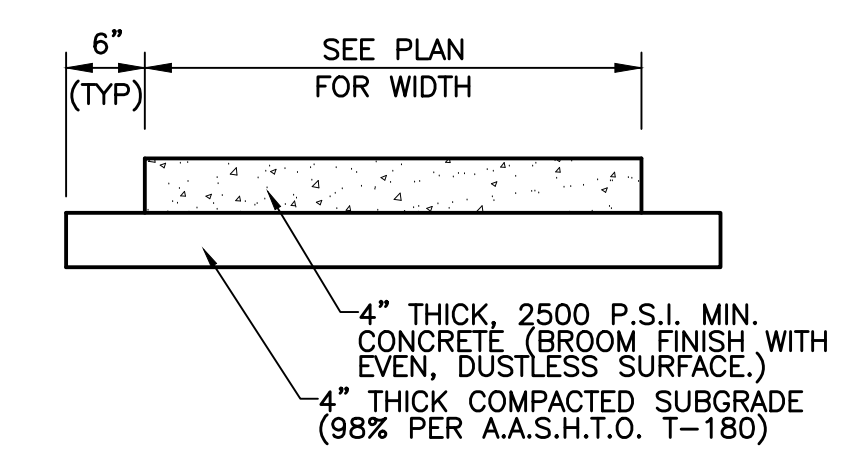


***NOTE:** WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS-SLOPE OF THE GUTTER SHALL MATCH THE CROSS-SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS

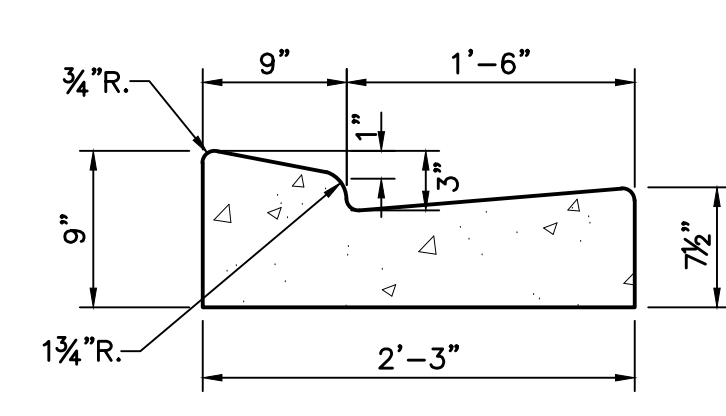
TYPE "F" CURB
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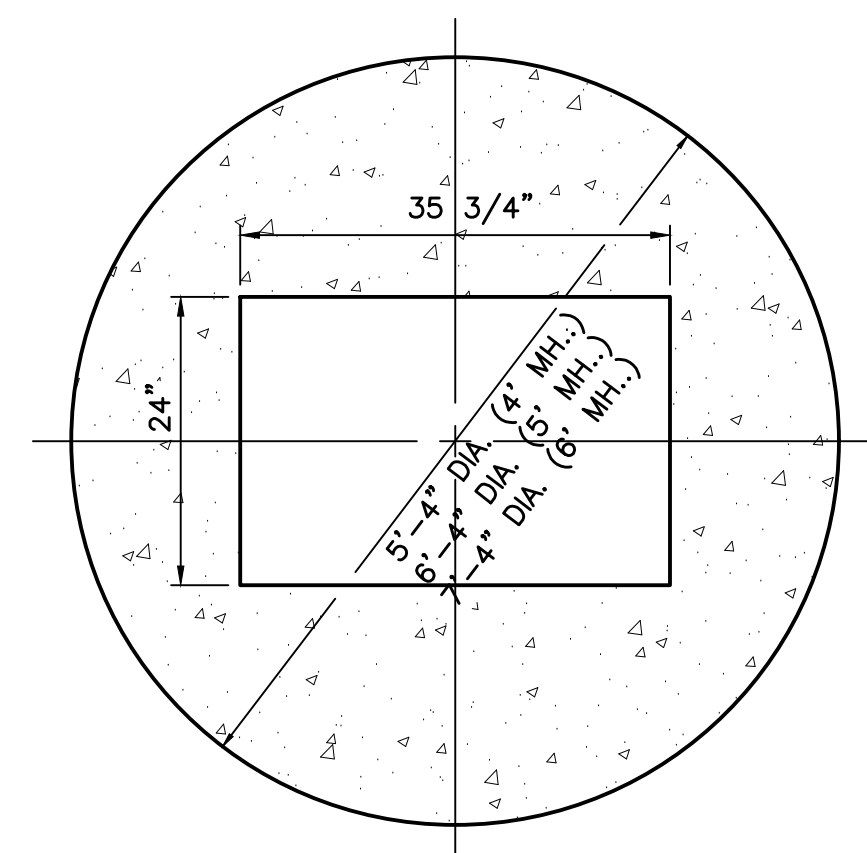
TYPE "D" CURB
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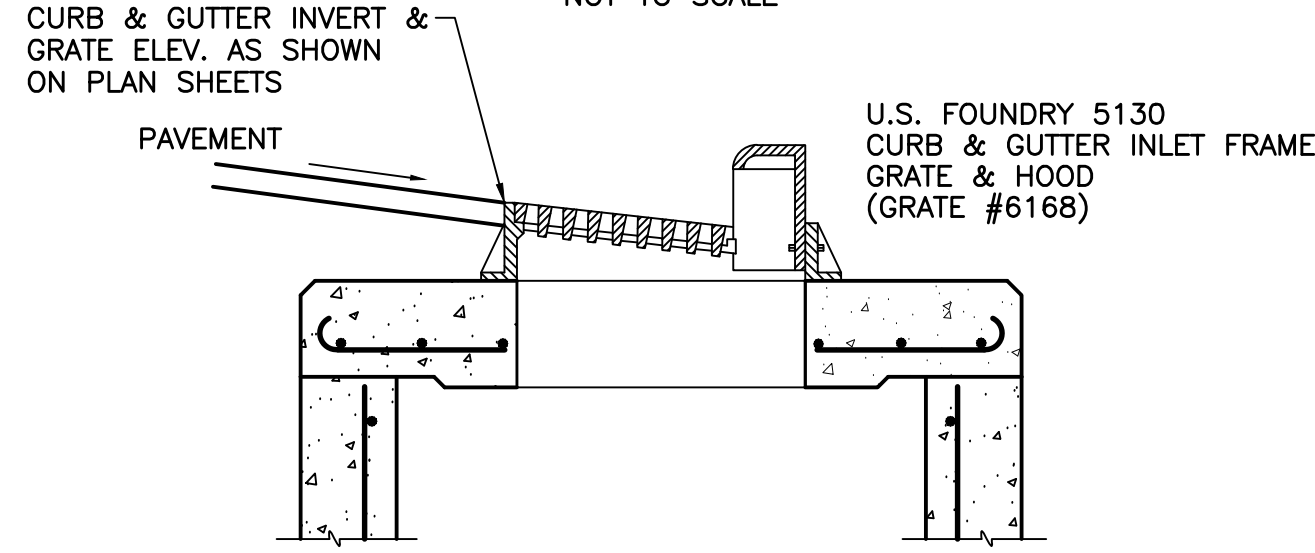
TYPICAL SIDEWALK DETAIL
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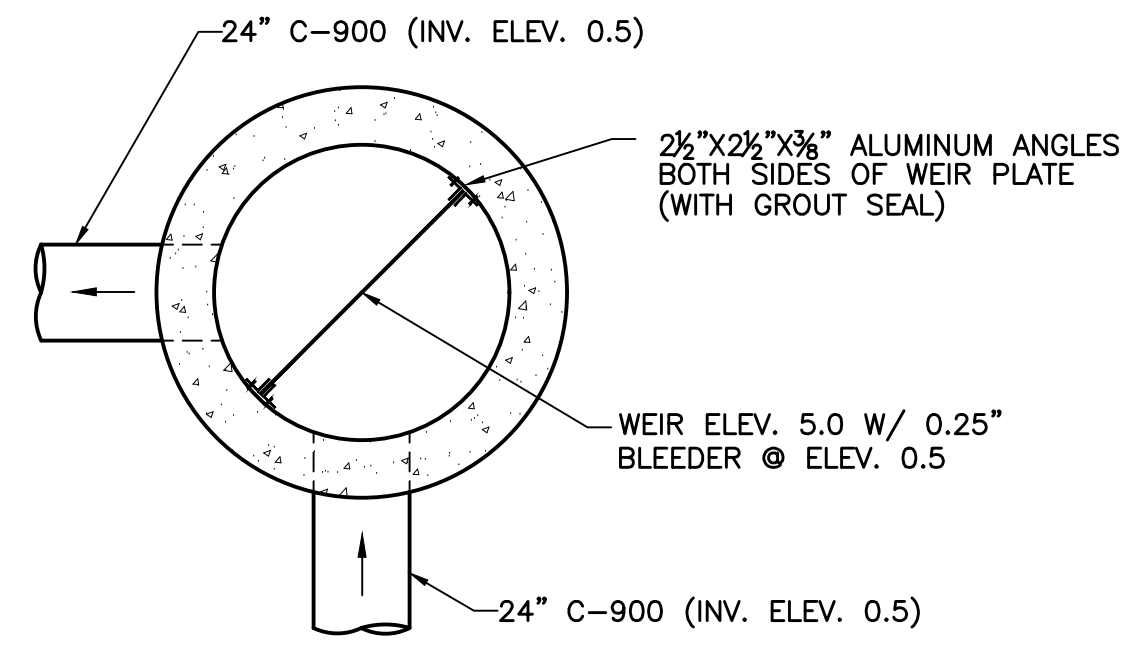
MODIFIED TYPE "E" MOUNTABLE CURB AND GUTTER
 NOT TO SCALE



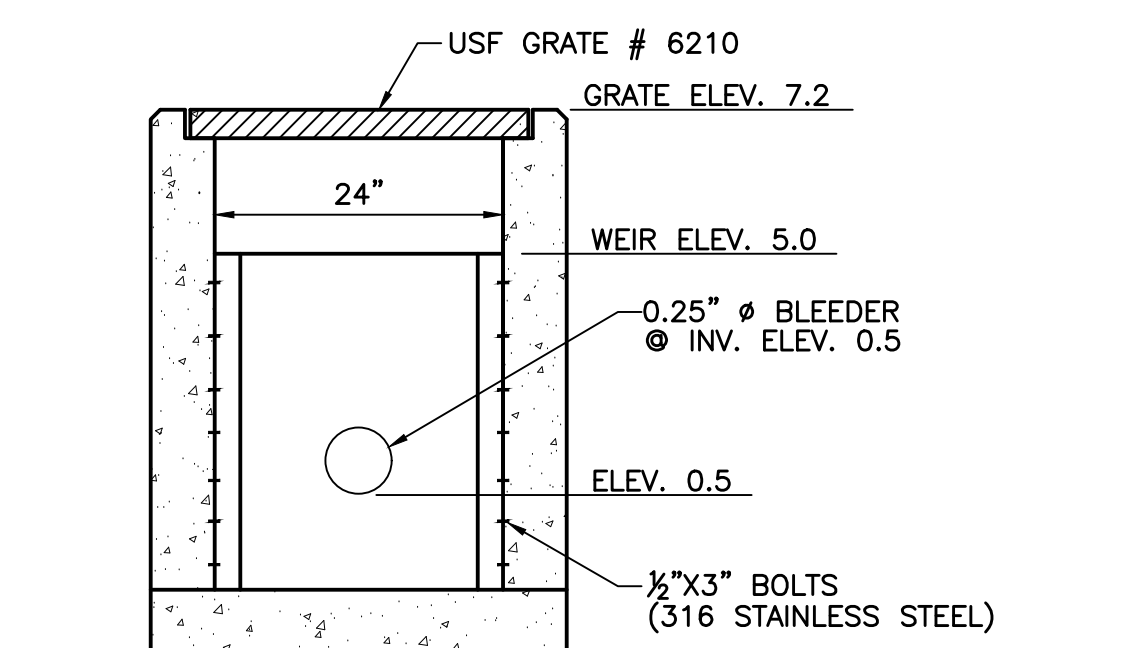
PLAN (4', 5' OR 6' MH.)
 NOT TO SCALE



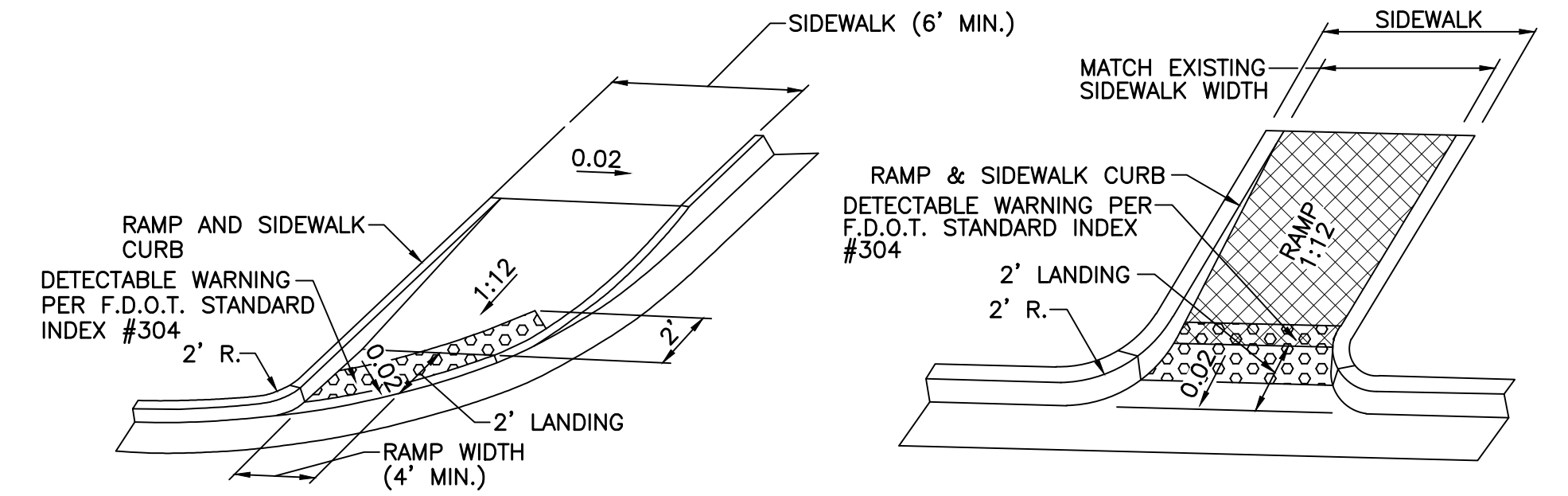
SECTION
CURB & GUTTER INLET DETAILS
 NOT TO SCALE



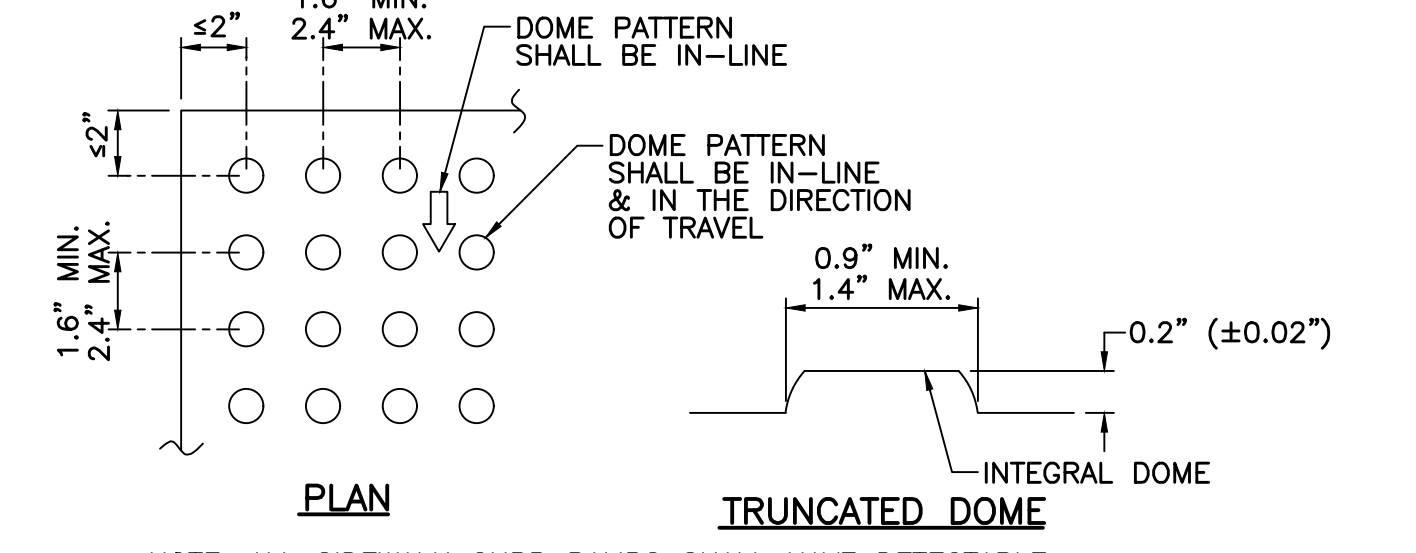
PLAN



CONTROL STRUCTURE
4' DIAMETER MANHOLE
 NOT TO SCALE



HANDICAP RAMP DETAIL (CR-G)
 NOT TO SCALE
HANDICAP RAMP DETAIL (CR-E)
 NOT TO SCALE

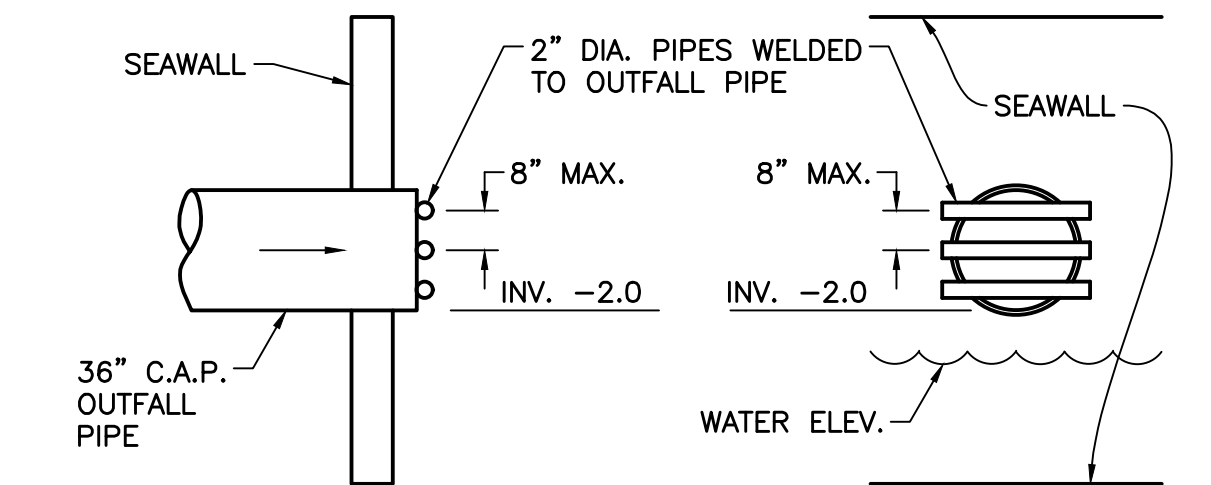


NOTE: ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" IN PUBLIC R/W, 36" ON-SITE FROM THE BACK OF CURB. CONTRACTOR SHALL VERIFY W/ INSTALLATION. THE DETECTABLE WARNING SURFACE SHALL HAVE A CONTRASTING COLOR (YELLOW OR APPROVED ALTERNATE)

CURB RAMP DETECTABLE WARNING DETAIL
 NOT TO SCALE

NOTES:
 1. THESE ARE THE MINIMUM GENERAL REQUIREMENTS FOR PEDESTRIAN RAMPS. SEE F.D.O.T. INDEX 304 FOR ADDITIONAL SIDEWALK CURB RAMP DETAILS.
 2. DETECTABLE WARNING SURFACE REQUIRED ON ALL H/C RAMPS. DETECTABLE WARNING SHALL BE CONTRASTING IN COLOR WITH TRUNCATED DOMES AND SHALL COMPLY WITH F.D.O.T. SPECS.
 3. THIS DETAIL MAY NOT ADDRESS ALL IN-FIELD CONDITIONS AND SCENARIOS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF CONFLICTS AND TO INSURE THAT ALL CONSTRUCTION IS A.D.A. COMPLIANT AND IN CONFORMANCE WITH F.B.C. AND LOCAL GOVERNING AGENCY REQUIREMENTS.

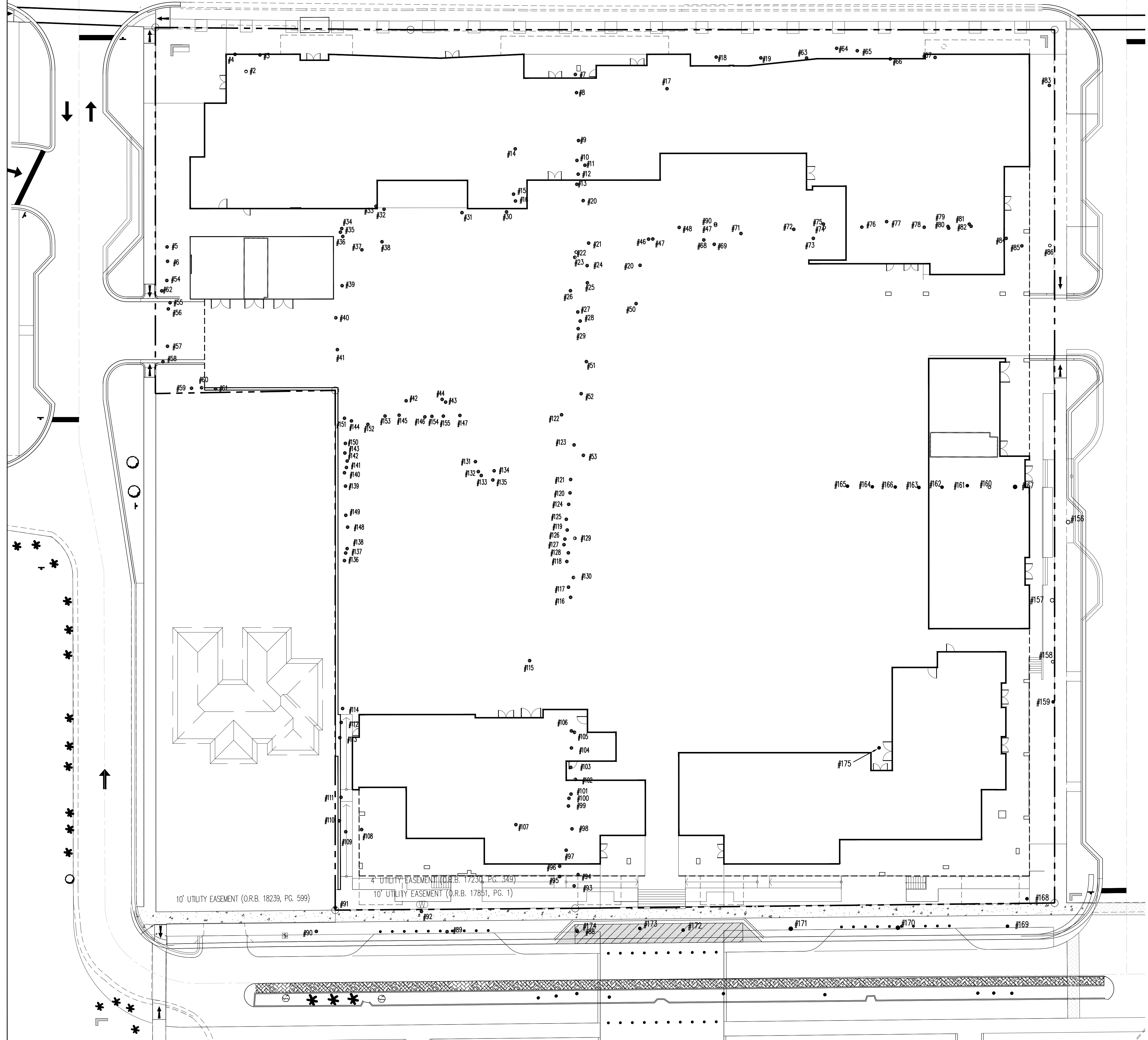
TYPICAL HANDICAP RAMP DETAILS
 NOT TO SCALE



MANATEE EXCLUSION DEVICE
 NOT TO SCALE

ON-SITE PAVEMENT SPECIFICATIONS:
CONCRETE PAVEMENT:
 SURFACE - 5" THICK CONCRETE, 4,000 PSI MIN.
 SUBGRADE - 12" COMPACTED SUBGRADE, COMPACT TO 98% PER A.A.S.H.T.O. T-180 (LBR 40)
OFF-SITE PAVEMENT SPECIFICATIONS:
CONCRETE PAVEMENT:
 SURFACE - 6" THICK CONCRETE, 4,000 PSI MIN.
 SUBGRADE - 12" STABILIZED SUBGRADE, COMPACT TO 98% PER A.A.S.H.T.O. T-180 (LBR 40)

<p>ENGINEERING PLANNING CONSULTING SINCE 1982 2581 Metrocentre Blvd West • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7848</p>				NAUTILUS 211 SECTION 21, TOWNSHIP 42S., RANGE 43E. TOWN OF LAKE PARK, FLORIDA SITE DEVELOPMENT DETAILS	
				DESIGN E.C.	DRAWN C.O.
REVISIONS		JOB NO. 19-038	DRAWING NO. 19038S05	SHEET 5 OF 5	



#	NAME	DIAMETER	HEIGHT	DISPO.	PROTECTED	SPECIMEN
1	SABAL PALM	1.2'	15'	REMOVE		
2	SABAL PALM	1.0'	20'	REMOVE		
3	SABAL PALM	1.0'	20'	REMOVE		
4	SABAL PALM	1.1'	20'	REMOVE		
5	SABAL PALM	1.0'	20'	REMOVE		
6	SABAL PALM	1.0'	20'	REMOVE		
7	SABAL PALM	1.30'	10'	REMOVE		
8	SABAL PALM	1.30'	12'	REMOVE		
9	SABAL PALM	1.0'	12'	REMOVE		
10	SABAL PALM	1.10'	7'	REMOVE		
11	SABAL PALM	1.1'	15'	REMOVE		
12	SABAL PALM	0.60'	15'	REMOVE		
13	SABAL PALM	1.0'	4'	REMOVE		
14	SABAL PALM	1.1'	10'	REMOVE		
15	SABAL PALM	1.0'	10'	REMOVE		
16	SABAL PALM	1.1'	20'	REMOVE		
17	MAHOGANY	1.5'	25'	REMOVE		
18	ROYAL PALM	1.30'	18'	REMOVE		
19	ROYAL PALM	1.30'	18'	REMOVE		
20	SABAL PALM	1.0'	2'	REMOVE		
21	SABAL PALM	1.0'	10'	REMOVE		
22	SABAL PALM	1.0'	10'	REMOVE		
23	SABAL PALM	1.0'	8'	REMOVE		
24	SABAL PALM	1.0'	8'	REMOVE		
25	SABAL PALM	1.0'	8'	REMOVE		
26	SABAL PALM	1.0'	8'	REMOVE		
27	SABAL PALM	1.0'	8'	REMOVE		
28	SABAL PALM	1.0'	8'	REMOVE		
29	SABAL PALM	1.0'	4'	REMOVE		
30	OAK TREE	1.0'	15'	REMOVE	X	
31	SABAL PALM	1.3'	10'	REMOVE		
32	SABAL PALM	1.1'	6'	REMOVE		
33	SABAL PALM	1.3'	15'	REMOVE		
34	SABAL PALM	1.2'	15'	REMOVE		
35	JAVA PLUM	1.0'	10'	REMOVE		
36	SABAL PALM	1.0'	12'	REMOVE		
37	SABAL PALM	1.0'	15'	REMOVE		
38	SABAL PALM	1.1'	5'	REMOVE		
39	SABAL PALM	1.2'	7'	REMOVE		
40	SABAL PALM	1.0'	4'	REMOVE		
41	SABAL PALM	1.0'	10'	REMOVE		
42	SABAL PALM	1.0'	18'	REMOVE		
43	SABAL PALM	1.4'	12'	REMOVE		
44	FIGUS	3.0'	30'	REMOVE		
45	SABAL PALM	1.2'	10'	REMOVE		
46	CARPENTER PALM	0.7'	25'	REMOVE		
47	CHIN. FAN PALM	0.8'	23'	REMOVE		
48	FOXTAIL PALM	0.90'	15'	REMOVE		
49	FOXTAIL PALM	0.80'	15'	REMOVE		
50	SABAL PALM	1.0'	6'	REMOVE		
51	SABAL PALM	1.0'	4'	REMOVE		
52	SABAL PALM	1.4'	10'	REMOVE		
53	SABAL PALM	1.0'	20'	REMOVE		
54	SABAL PALM	1.2'	20'	REMOVE		
55	SABAL PALM	1.0'	20'	REMOVE		
56	SABAL PALM	1.1'	20'	REMOVE		
57	SABAL PALM	1.0'	18'	REMOVE		
58	SABAL PALM	0.9'	12'	REMOVE		
59	SABAL PALM	0.9'	12'	REMOVE		
60	SABAL PALM	0.9'	13'	REMOVE		
61	SABAL PALM	1.0'	14'	REMOVE		
62	SABAL PALM	1.0'	18'	REMOVE		
63	ROYAL PALM	1.4'	25'	REMOVE		
64	ROBELLINI PALM	1.0'	5'	REMOVE		
65	ROBELLINI PALM	1.0'	5'	REMOVE		
66	ROYAL PALM	1.2'	18'	REMOVE		
67	ROYAL PALM	1.2'	12'	REMOVE		
68	CHIN. FAN PALM	1.2'	4'	REMOVE		
69	CHIN. FAN PALM	1.0'	2'	REMOVE		
70	CHIN. FAN PALM	1.0'	4'	REMOVE		
71	ROBELLINI PALM	0.8'	8'	REMOVE		
72	FOXTAIL PALM	0.8'	4'	REMOVE		
73	CHIN. FAN PALM	1.0'	3.5'	REMOVE		
74	CARPENTER PALM	1.0'	18'	REMOVE		
75	CHIN. FAN PALM	0.7'	15'	REMOVE		
76	QUEEN PALM	0.80'	20'	REMOVE		

#	NAME	DIAMETER	HEIGHT	DISPO.	PROTECTED	SPECIMEN
77	ROBELLINI PALM	1.0'	3.5'	REMOVE		
78	FIGUS	1.0'	15'	REMOVE		
79	FIGUS	1.3'	15'	REMOVE		
80	SCHOFFLERA TREE	0.4'	15'	REMOVE		
81	SCHOFFLERA TREE	0.5'	4'	REMOVE		
82	SCHOFFLERA TREE	2.0'	4'	REMOVE		
83	SABAL PALM	1.0'	12'	REMOVE		
84	SABAL PALM	1.2'	12'	REMOVE		
85	ARECA TREE	3'	15'	REMOVE		
86	FIGUS TREE	0.5'	15'	REMOVE		
87	SABAL PALM	1.20'	15'	REMOVE		
88	ROYAL PALM	2'	30'	REMOVE		
89	ROYAL PALM	2'	30'	REMOVE		
90	ROYAL PALM	2'	30'	REMOVE		
91	SABAL PALM	1.2'	18'	REMOVE		
92	STYL. DATE PALM	1.0'	16'	REMOVE		
93	SABAL PALM	1.0'	15'	REMOVE		
94	SABAL PALM	1.0'	20'	REMOVE		
95	SCHOFFLERA TREE	3'	30'	REMOVE		
96	SCHOFFLERA TREE	3'	30'	REMOVE		
97	COCONUT	0.7'	2'	REMOVE		
98	COCONUT	1.2'	28'	REMOVE		
99	SCHOFFLERA TREE	1.8'	30'	REMOVE		
100	SCHOFFLERA TREE	1.8'	30'	REMOVE		
101	SCHOFFLERA TREE	1.5'	20'	REMOVE		
102	SCHOFFLERA TREE	4.0'	30'	REMOVE		
103	SABAL PALM	1.2'	20'	REMOVE		
104	SABAL PALM	1.0'	12'	REMOVE		
105	SABAL PALM	1.0'	20'	REMOVE		
106	SABAL PALM	1.20'	22'	REMOVE		
107	ADONDA PALM	0.7'	6'	REMOVE		
108	SABAL PALM	2.50'	20'	REMOVE		
109	SABAL PALM	0.50'	12'	REMOVE		
110	ARECA PALM	2.50'	20'	REMOVE		
111	SABAL PALM	2.0'	15'	REMOVE		
112	SABAL PALM	2.0'	15'	REMOVE		
113	SABAL PALM	1.0'	20'	REMOVE		
114	SABAL PALM	1.2'	20'	REMOVE		
115	MANGO	2.0'	35'	REMOVE		
116	ARECA PALM	3.0'	15'	REMOVE		
117	ARECA PALM	3.0'	15'	REMOVE		
118	ARECA PALM	2.0'	4'	REMOVE		
119	ARECA PALM	3.0'	15'	REMOVE		
120	ARECA PALM	3.0'	15'	REMOVE		
121	ARECA PALM	3.0'	15'	REMOVE		
122	SCHOFFLERA TREE	1.5'	25'	REMOVE		
123	MANGO TREE	0.4'	18'	REMOVE		
124	SABAL PALM	1.0'	15'	REMOVE		
125	SABAL PALM	1.20'	15'	REMOVE		
126	SCHOFFLERA TREE	0.60'	12'	REMOVE		
127	SCHOFFLERA TREE	1.20'	30'	REMOVE		
128	SCHOFFLERA TREE	0.40'	12'	REMOVE		
129	SABAL PALM	1.0'	30'	REMOVE		
130	SABAL PALM	0.8'	25'	REMOVE		
131	SABAL PALM	1.0'	15'	REMOVE		
132	SABAL PALM	1.0'	15'	REMOVE		
133	SABAL PALM	1.2'	16'	REMOVE		
134	SABAL PALM	1.2'	15'	REMOVE		
135	OAK TREE	1.8'	25'	REMOVE	X	
136	ARECA PALM	2'	6'	REMOVE		
137	ARECA PALM	2'	6'	REMOVE		
138	ARECA PALM	2'	6'	REMOVE		
139	ARECA PALM	2'	6'	REMOVE		
140	ARECA PALM	2'	6'	REMOVE		
141	ARECA PALM	2'	6'	REMOVE		
142	ARECA PALM	2'	6'	REMOVE		
143	ARECA PALM	2'	6'	REMOVE		
144	ARECA PALM	2'	6'	REMOVE		
145	ARECA PALM	2'	6'	REMOVE		
146	ARECA PALM	2'	6'	REMOVE		
147	ARECA PALM	2'	6'	REMOVE		
148	SEA GRAPE	1.0'	10'	REMOVE		
149	SEA GRAPE	1.0'	10'	REMOVE		
150	SABAL PALM	1.2'	20'	REMOVE		
151	SABAL PALM	1.2'	20'	REMOVE		
152	SABAL PALM	1.2'	20'	REMOVE		
153	SABAL PALM	1.2'	20'	REMOVE		
154	SEA GRAPE	0.80'	18'	REMOVE		
155	SEA GRAPE	0.80'	18'	REMOVE		

#	NAME	DIAMETER	HEIGHT	DISPO.	PROTECTED	SPECIMEN
156	SABAL PALM	1.2'	15'	REMOVE		
157	SABAL PALM	1.2'	15'	REMOVE		
158	SABAL PALM	1.2'	15'	REMOVE		
159	SABAL PALM	1.2'	15'	REMOVE		
160	QUEEN PALM	0.9'	15'	REMOVE		
161	QUEEN PALM	0.9'	15'	REMOVE		
162	QUEEN PALM	0.9'	15'	REMOVE		
163	QUEEN PALM	0.9'	15'	REMOVE		
164	QUEEN PALM	0.9'	15'	REMOVE		
165	QUEEN PALM	0.9'	15'	REMOVE		
166	QUEEN PALM	0.9'	15'	REMOVE		
167	QUEEN PALM	0.9'	15'	REMOVE		
168	SABAL PALM	2'	30'	REMOVE		
169	ROYAL PALM	2'	30'	REMOVE		
170	ROYAL PALM	2'	30'	REMOVE		
171	ROYAL PALM	2'	30'	REMOVE		
172	ROYAL PALM	2'	30'	REMOVE		
173	ROYAL PALM	2'	30'	REMOVE		
174	ROYAL PALM	2'	30'	REMOVE		
175	QUEEN PALM	1.2'	15'	REMOVE		

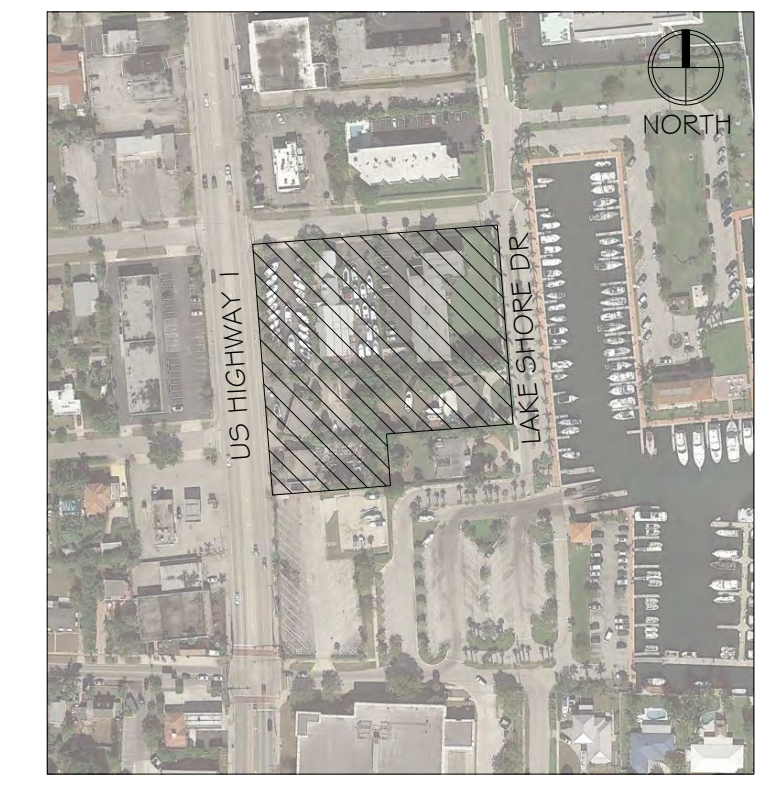
PROTECTED TREE REMOVAL TOTALS:
 • PROTECTED TREES TO BE REMOVED = 2
 • TOTAL INCHES TO BE REMOVED = 33.6"

PROPOSED TREE REPLACEMENTS (SHEETS LP.1-LP.3):
 • (14) GUMBO LIMBO @ 2.5' Cal. = 35"
 • (8) SEAGRAPE @ 6' Cal. = 48"
 • (1) SEAGRAPE @ 2.5' Cal. = 2.5"
 • (15) EAST PALATKA HOLLY @ 2.5' Cal. = 37.5"

TOTAL REPLACEMENT = 123"

NOTE: THE TREE SURVEY WAS PREPARED IN SEPTEMBER OF 2018. THE SPECIES WERE CONFIRMED DURING A FIELD VISIT BY THE LANDSCAPE ARCHITECT IN SEPTEMBER OF 2019.

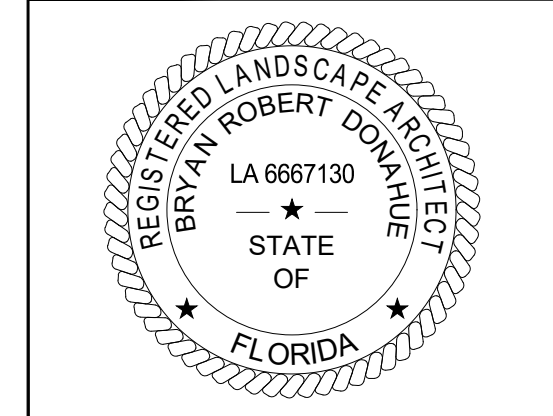
LOCATION MAP



insite studio
 planning + landscape architecture
 8144 Okeechobee Blvd., Suite A, West Palm Beach, FL 33411
 phone: 561-249-0940 | email: info@insitestudio.com
 www.insitestudio.com | License # LC26000606

Consultants:
 Revisions:
 9/9/19: per City comments
 10/7/19: per City comments
 10/21/19: per City comments

NAUTILUS 211
 Lake Park, Florida



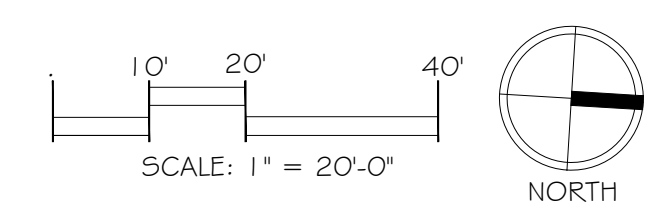
BRYAN ROBERT DONAHUE, PLA
 LICENSE # LA 6667130

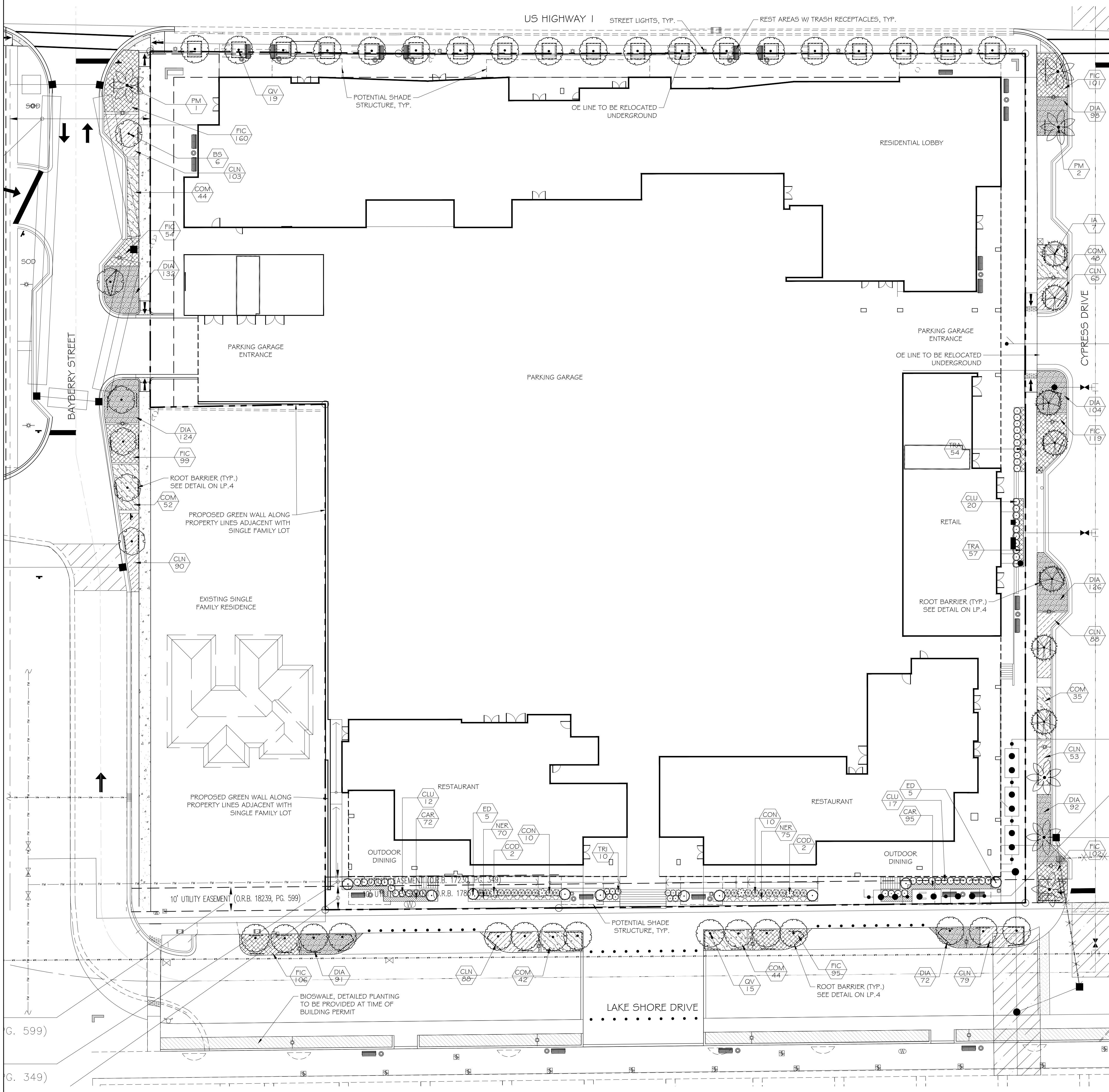


Drawn By: RG
 Drawing #: 1075
 Date: 06/12/2019

TREE DISPOSITION
 PLAN

SHEET # TD.1

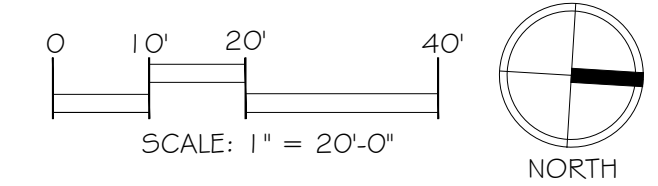
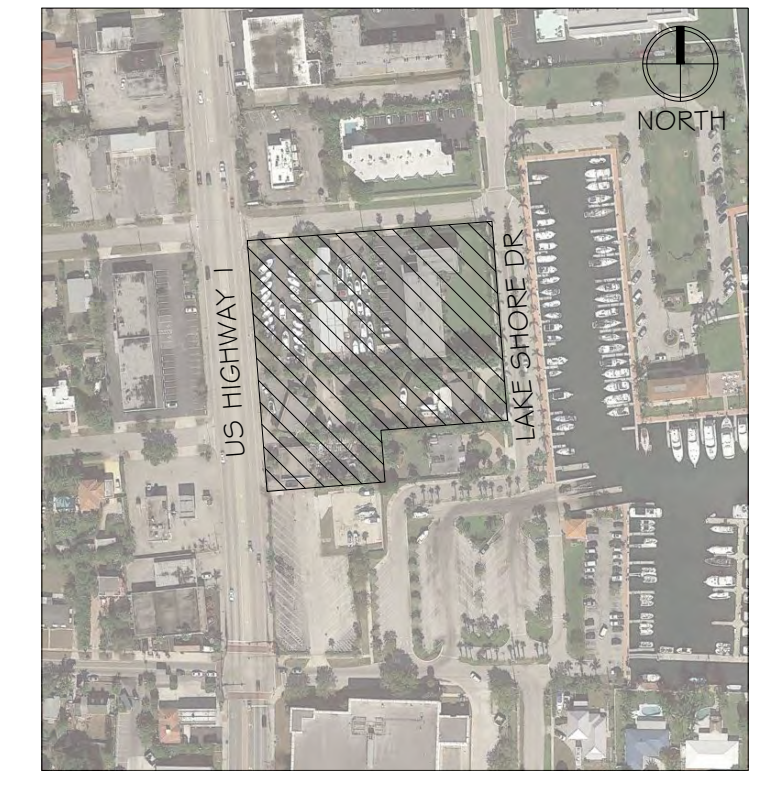




PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	QTY
	BS	Bursera simaruba 12' HT. X 5' SPR., 2.5" CAL	Gumbo Limbo	6
	ED	Elaeocarpus decipiens TM 8' HT X 5' SPR. CONE - FULL TO BASE	Japanese Blueberry Tree	10
	IA	Ilex x attenuata 'East Palatka' 12' HT. X 5' SPR., 2.5" CAL	East Palatka Holly	7
	PM	Phoenix dactylifera 'Medjool' 20-24' CT, DIAMOND CUT, FLORIDA FANCY	Date Palm	6
	QV	Quercus virginiana 'High Rise' 15' C.T. 30" OA HEIGHT, 10-12" SPR	High Rise Live Oak	34
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	QTY
	CLU	Clusia guttifer 4' HT X 36" SPR., @ 36" O.C.	Small Leaf Clusia	49
	COD	Codiaeum variegatum 'Petra' 36" HT X 48" SPR.	Bravo Croton	4
	CON	Conocarpus erectus 'Sericeus' 36" HT. X 30" SPR. @ 36" O.C.	Silver Buttonwood	20
	TRI	Tripsacum dactyloides 24" HT. X 24" SPR. @ 36" O.C.	Fakahatchee Grass	10
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	QTY
	CLN	Clusia guttifer nana 12' HT X 12" SPR. @ 18" O.C.	Dwarf Clusia	566
	COM	Codiaeum variegatum 'Mammy' 18"HT. x 18"Spr. @ 24" O.C.	Mammy Croton	265
	DIA	Dianella tasmanica 'Blueberry' 18" HT X 18" SPR. @ 18" O.C.	Blueberry Flax Lily	839
	FIC	Ficus microcarpa 'Green Island' 12" HT X 12" SPR. @ 18" O.C.	Green Island Ficus	836
	NER	Nerium oleander 'Petite Pink' 12" HT X 12" SPR. @ 12" O.C.	Petite Pink Oleander	145
	TRA	Trachelospermum asiaticum 12" HT X 12" SPR. @ 12" O.C.	Asian Jasmine	111
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	QTY
	CAR	Carissa macrocarpa 'Emerald Blanket' 6" HT MIN. @ 6" O.C. MIN	Emerald Blanket Carissa	167

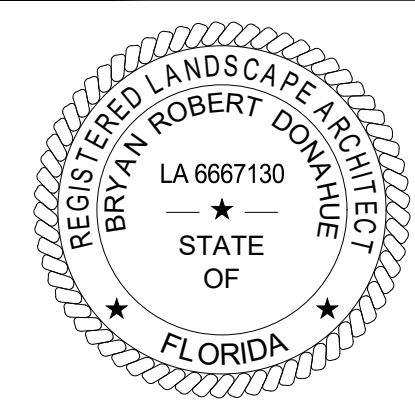
LOCATION MAP



Consultants:

Revisions:
9/9/19: per City comments
10/7/19: per City comments
10/21/19: per City comments
11/06/19: per City comments
11/20/19: per City comments

NAUTILUS 211
Lake Park, Florida



BRYAN ROBERT DONAHUE, PLA
LICENSE # LA6667130

ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.



Drawn By: RG
Drawing #: 1075
Date: 06/12/2019

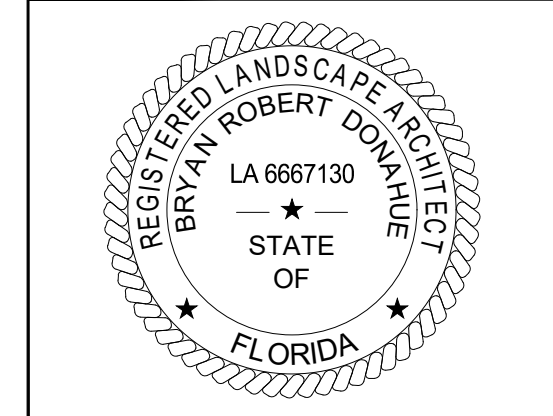
**GROUND LEVEL
LANDSCAPE PLAN**

SHEET # LP.1

Consultants:

Revisions:
 9/9/19: per City comments
 10/7/19: per City comments
 10/21/19: per City comments

NAUTILUS 211
 Lake Park, Florida



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ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.



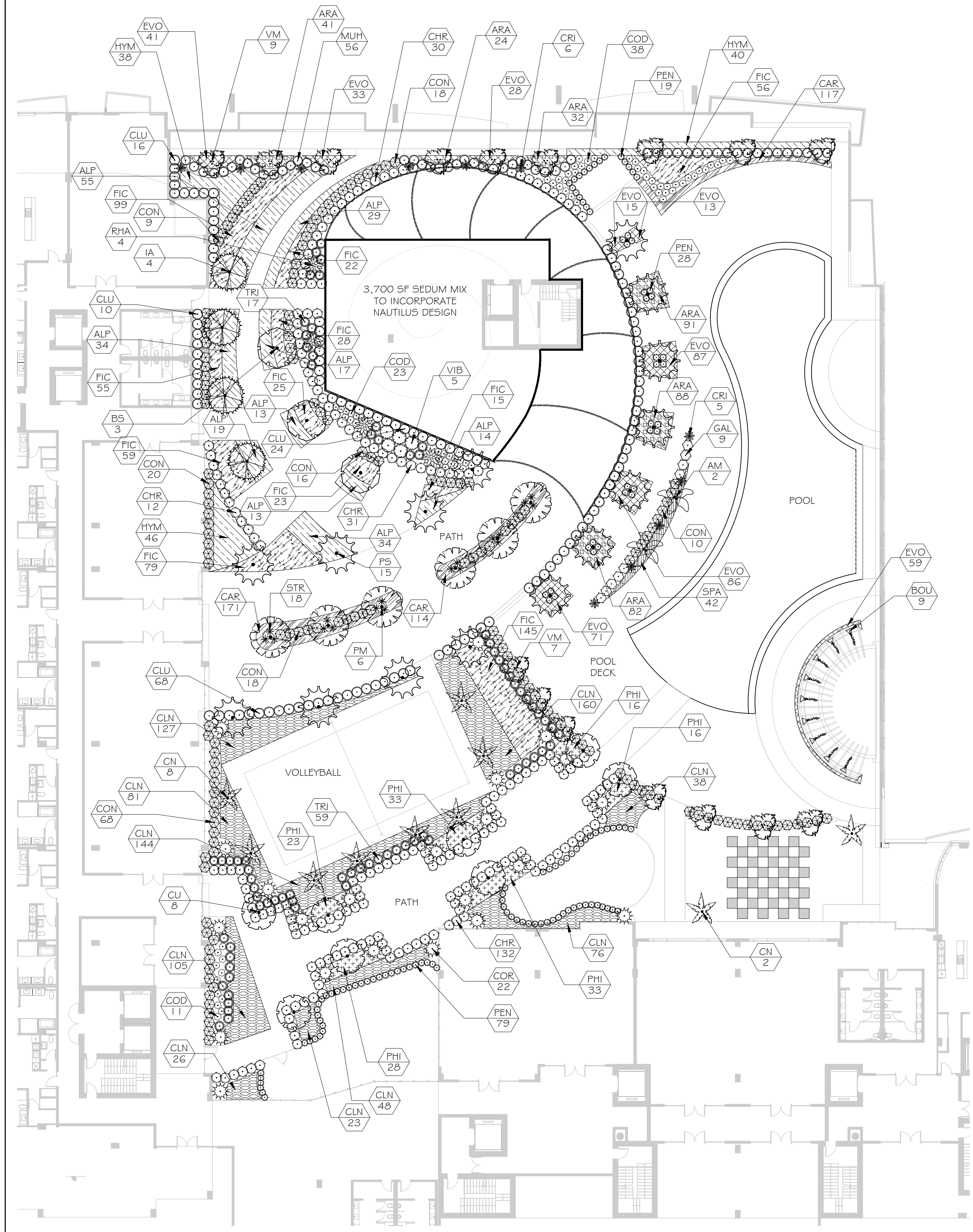
Drawn By: RG
 Drawing #: 1075
 Date: 06/12/2019

AMENITY DECK
 LANDSCAPE PLAN

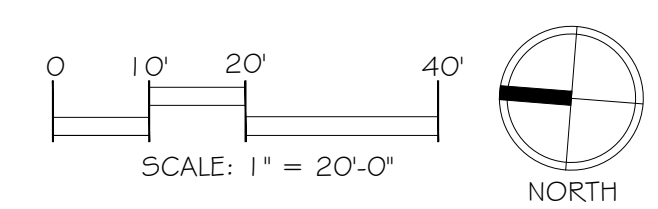
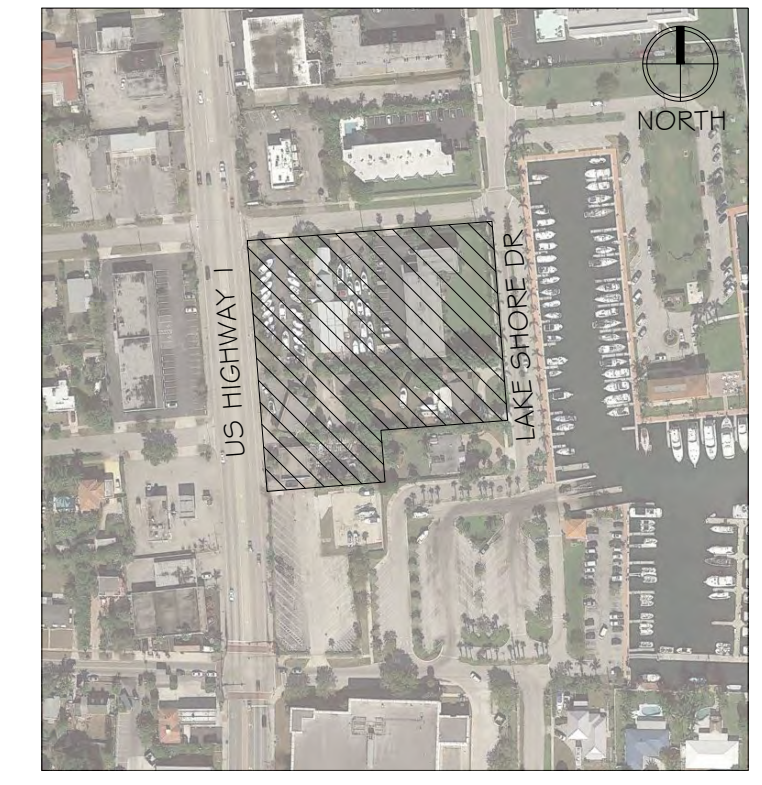
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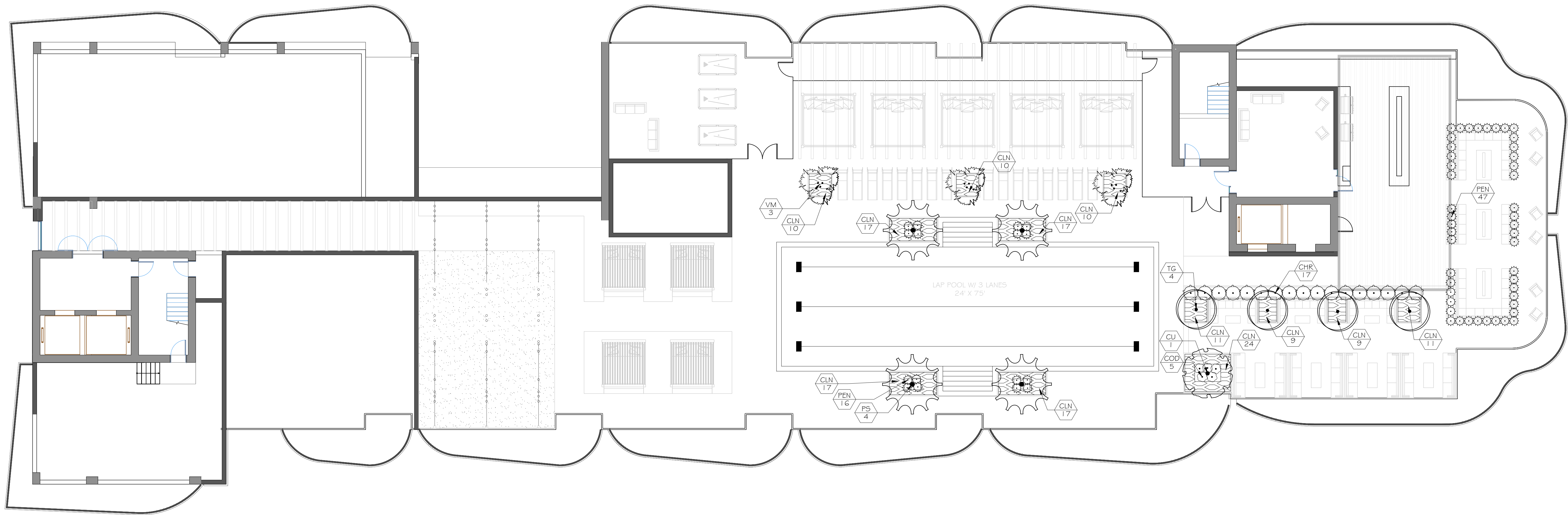
PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	AM	Adonia Merrillii	Christmas Palm	2	16' O.A. HT, Double Trunk
	BS	Bursera simaruba	Gumbo Limbo	3	12' Ht. x 5' Spr. 2.5" Cal.
	CU	Coccoloba uvifera	Sea Grape	8	20' HT X 10' SPR., 6" CAL
	CN	Cocos nucifera	Coconut Palm	10	10' C.T. 28"-30" O.A. HT
	IA	Ilex x attenuata 'East Palatka'	East Palatka Holly	4	12' Ht. x 5' Spr. 2.5" Cal.
	PM	Phoenix dactylifera 'Medjool'	Date Palm	6	12" CT. MATCHED, CONT. TRUNK DIAMETER, FLORIDA FANCY, HEAVY TRUNK CALIFERS
	PS	Phoenix sylvestris	Wild Date Palm	15	12" CT. MATCHED, CONT. TRUNK DIAMETER, FLORIDA FANCY, HEAVY TRUNK CALIFERS
	VM	Veitchia montgomeryana	Montgomery Palm	16	22-26' O.A. HT, TRIPLE TRUNK
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	BOU	Bougainvillea SPP	Bougainvillea	9	48" HT TRELLIS GROWN
	CHR	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	205	36" HT X 36" SPR X 36" O.C.
	CLU	Clusia guttifera	Small Leaf Clusia	118	4' Ht. x 3' Spr. @ 36" O.C.
	COD	Codiaeum variegatum 'Magnificent'	Croton	72	36"HT X 24" SPR @ 24" O.C.
	CON	Conocarpus erectus 'Senceus'	Silver Buttonwood	159	36" HT. X 30" SPR. @ 36" O.C.
	COR	Cordyline fruticosa	Ti Plant	22	36" HT X 36" SPR.
	CRI	Cnrum augustum 'Queen Emma'	'Queen Emma' Cnrum	11	36" HT X 36" SPR @ 48" O.C.
	GAL	Galphimia glauca	Thryallis	9	24" HT. X 24" SPR. @ 36" O.C.
	MUH	Muhlenbergia capillans	Pink Muhly	56	24" HT X 24" SPR @ 36" O.C.
	PEN	Pennisetum setaceum 'White'	White Fountain Grass	126	24" HT X 24" SPR. @ 24" O.C.
	RHA	Rhapis excelsa	Lady Palm	4	8' O.A. HT, MATCHED
	STR	Strelitzia reginae	Bird Of Paradise	18	36" HT X 30" SPR @ 36" O.C.
	TRI	Tripsacum dactyloides	Fakahatchee Grass	76	24" HT X 24" SPR. @ 36" O.C.
	VIB	Viburnum odoratissimum	Sweet Viburnum	5	36" HT X 30" SPR @ 36" O.C.
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	ALP	Alpinia zerumbet 'Vanegata'	Vanegated Shell Ginger	228	18" HT X 18" SPR @ 24" O.C.
	CAR	Canssea macrocarpa 'Emerald Blanket'	Emerald Blanket Canessa	402	12" HT X 12" SPR @ 12" O.C.
	CLN	Clusia guttifera nana	Dwarf Clusia	828	12" HT X 12" SPR @ 18" O.C.
	FIC	Ficus microcarpa 'Green Island'	Green Island Ficus	606	12" HT X 12" SPR @ 18" O.C.
	HYM	Hymenocallis latifolia	Spider Lily	124	24" HT X 24" SPR @ 24" O.C.
	PHI	Philodendron xanadu	Xanadu Philodendron	149	18" HT X 18" SPR @ 18" O.C.
	SPA	Spartina bakeri	Sand Cord Grass	42	18" HT X 18" SPR @ 18" O.C.
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	ARA	Arachis glabrata	Perennial Peanut	358	12" HT X 12" SPR @ 12" O.C.
	EVO	Evolvulus glomeratus 'Blue Daze'	'Blue Daze'	433	12" HT X 12" SPR @ 12" O.C.
		SEDUM MIX GREEN ROOF		1,665	12" HT X 12" SPR. @ 18" O.C.



LOCATION MAP

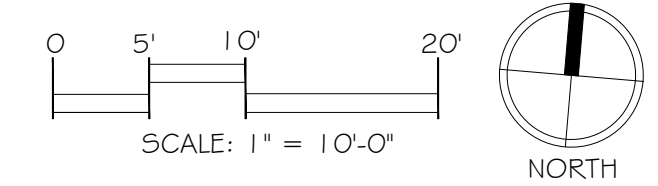
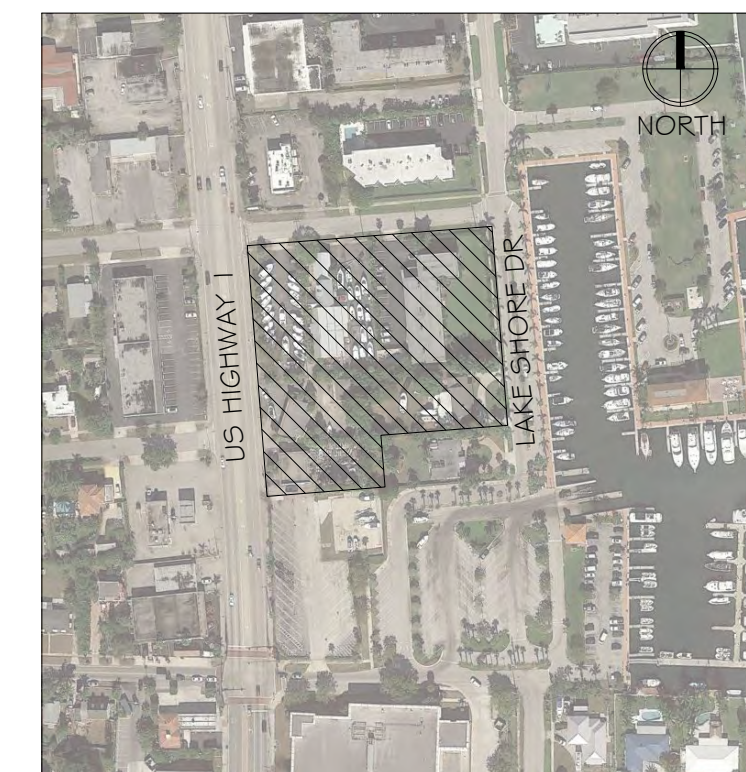




PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	CU	Coccoloba uvifera	Sea Grape	1	12' HT X 5' SPR., 2.5" CAL
	PS	Phoenix sylvestris	Wild Date Palm	4	12" CT. Matched, Continuous Trunk Diameter
	TG	Tibouchina granulosa	Purple Glory Tree	4	10' HT X 5' SPR, 2" CAL
	VM	Veitchia montgomeryana	Montgomery Palm	3	22-26' O.A. HT, TRIPLE TRUNK
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	CHR	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	17	36" HT X 36" SPR X 36" O.C.
	COD	Codiaeum variegatum 'Magnificent'	Croton	5	36" HT X 24" SPR @ 24" O.C.
	PEN	Pennisetum setaceum 'White'	White Fountain Grass	63	24" HT X 24" SPR. @ 24" O.C.
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	QTY	REMARKS
	CLN	Clusia guttifera nana	Dwarf Clusia	162	12" HT X 12" SPR @ 18" O.C.

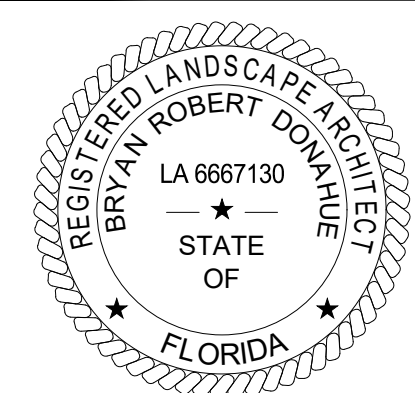
LOCATION MAP



Consultants:

Revisions:
 9/9/19: per City comments
 10/7/19: per City comments
 10/21/19: per City comments

NAUTILUS 211
 Lake Park, Florida



BRYAN ROBERT DONAHUE, PLA
 LICENSE # LA6667130

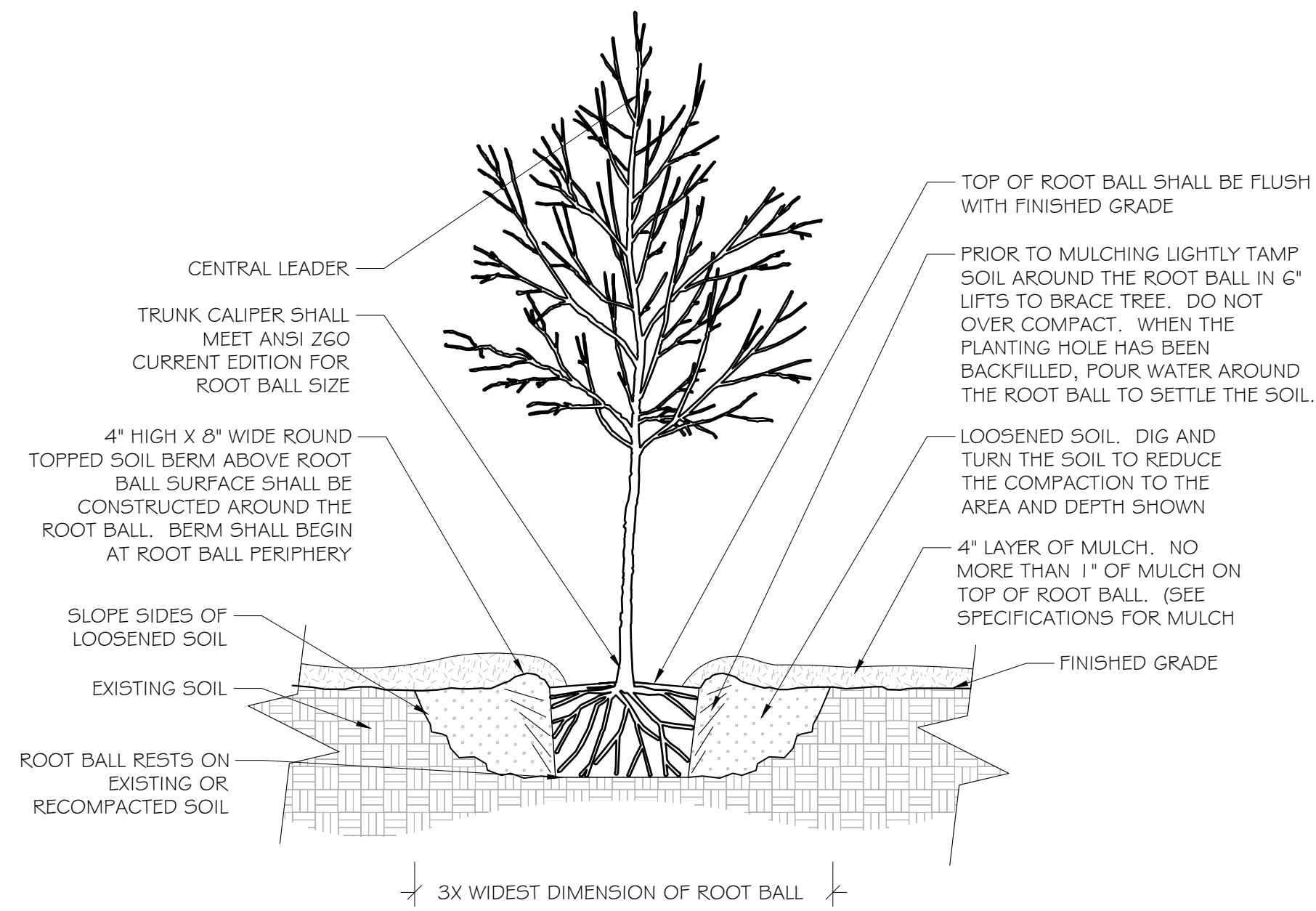
ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.



Drawn By: RG
 Drawing #: 1075
 Date: 06/12/2019

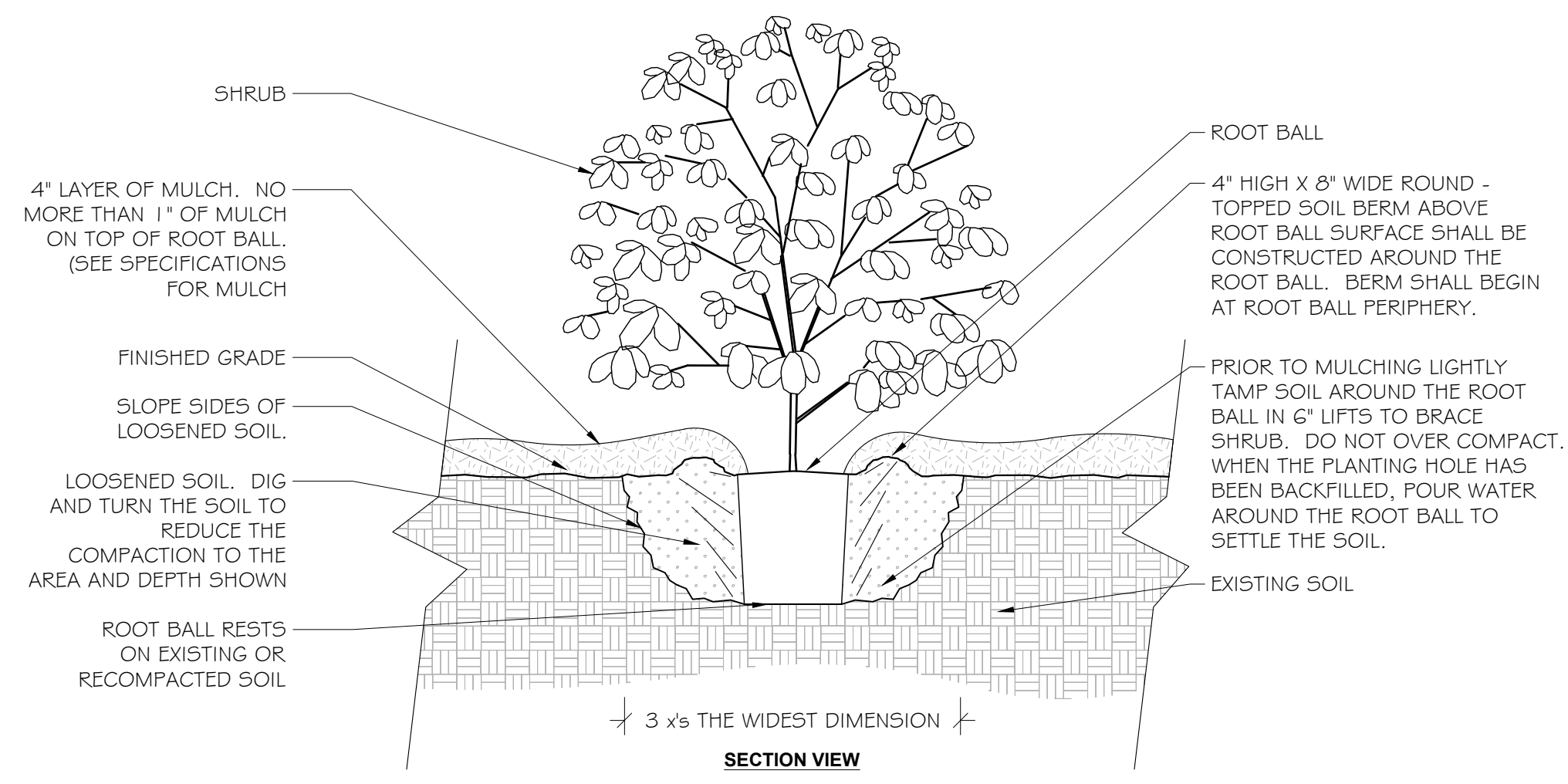
ROOFTOP
 LANDSCAPE PLAN

SHEET # LP.3



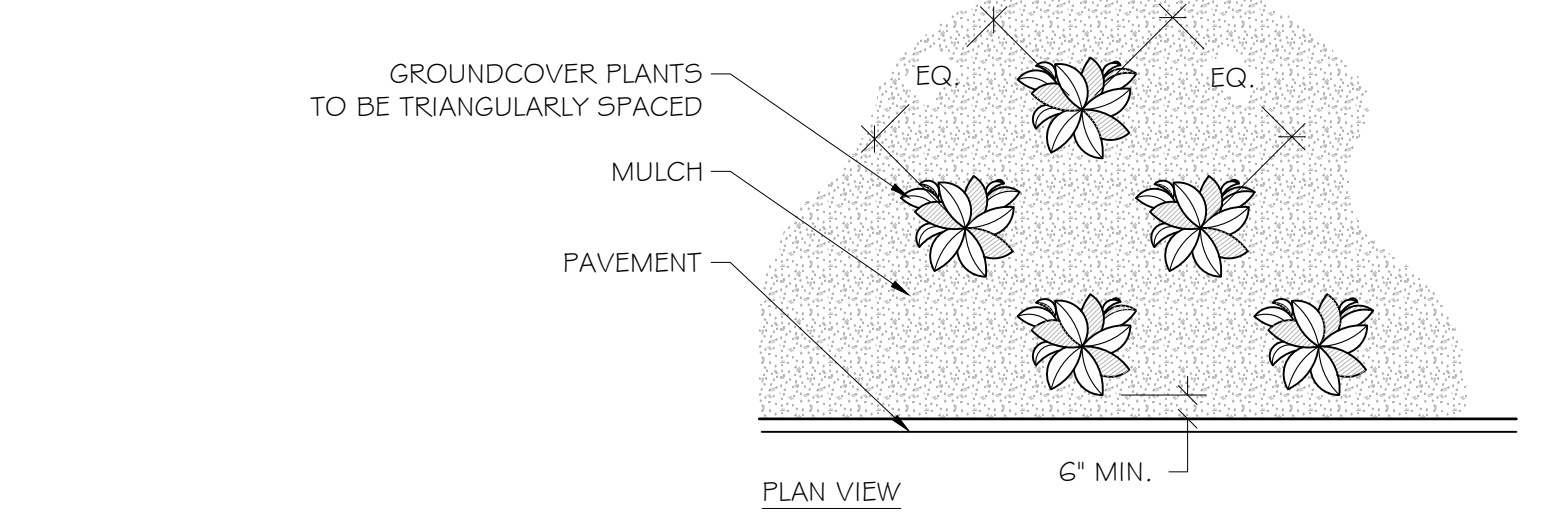
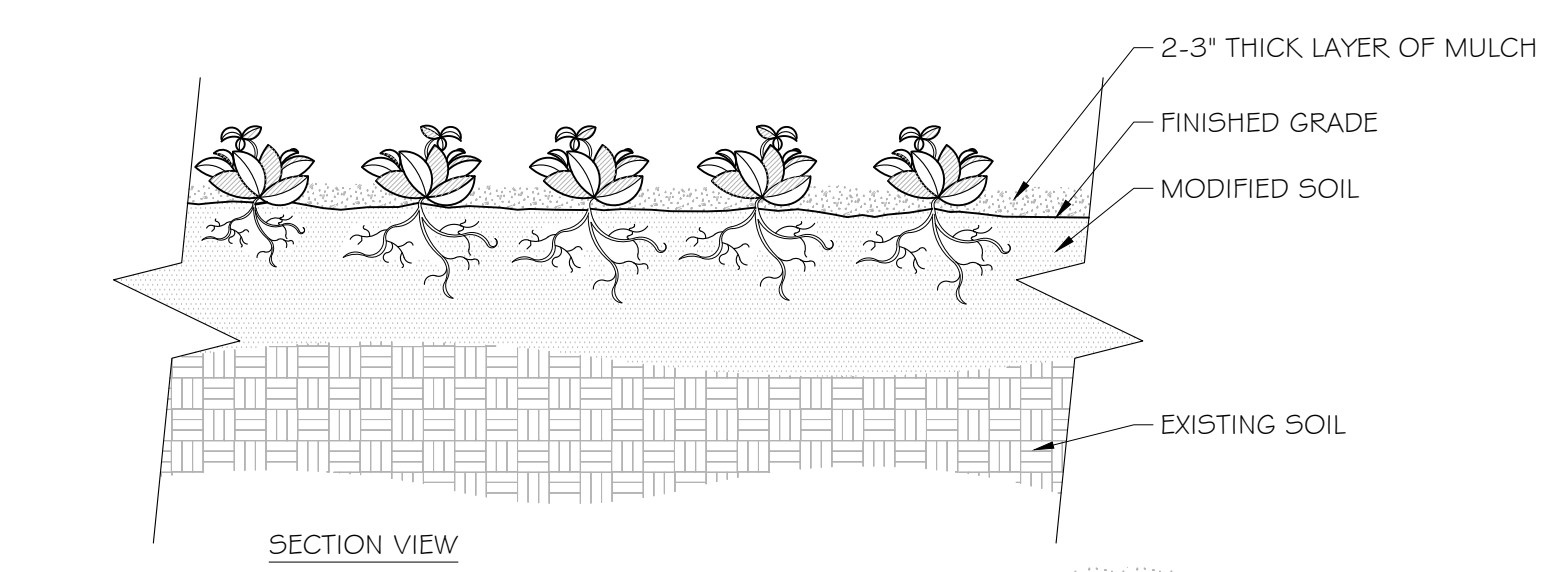
1 TREE PLANTING DETAIL 1/2" = 1'-0"

NOTES:
 1. TREES SHALL BE OF QUALITY PRESCRIBED IN CROWN OBSERVATIONS AND ROOT OBSERVATIONS DETAILS AND SPECIFICATIONS.
 2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



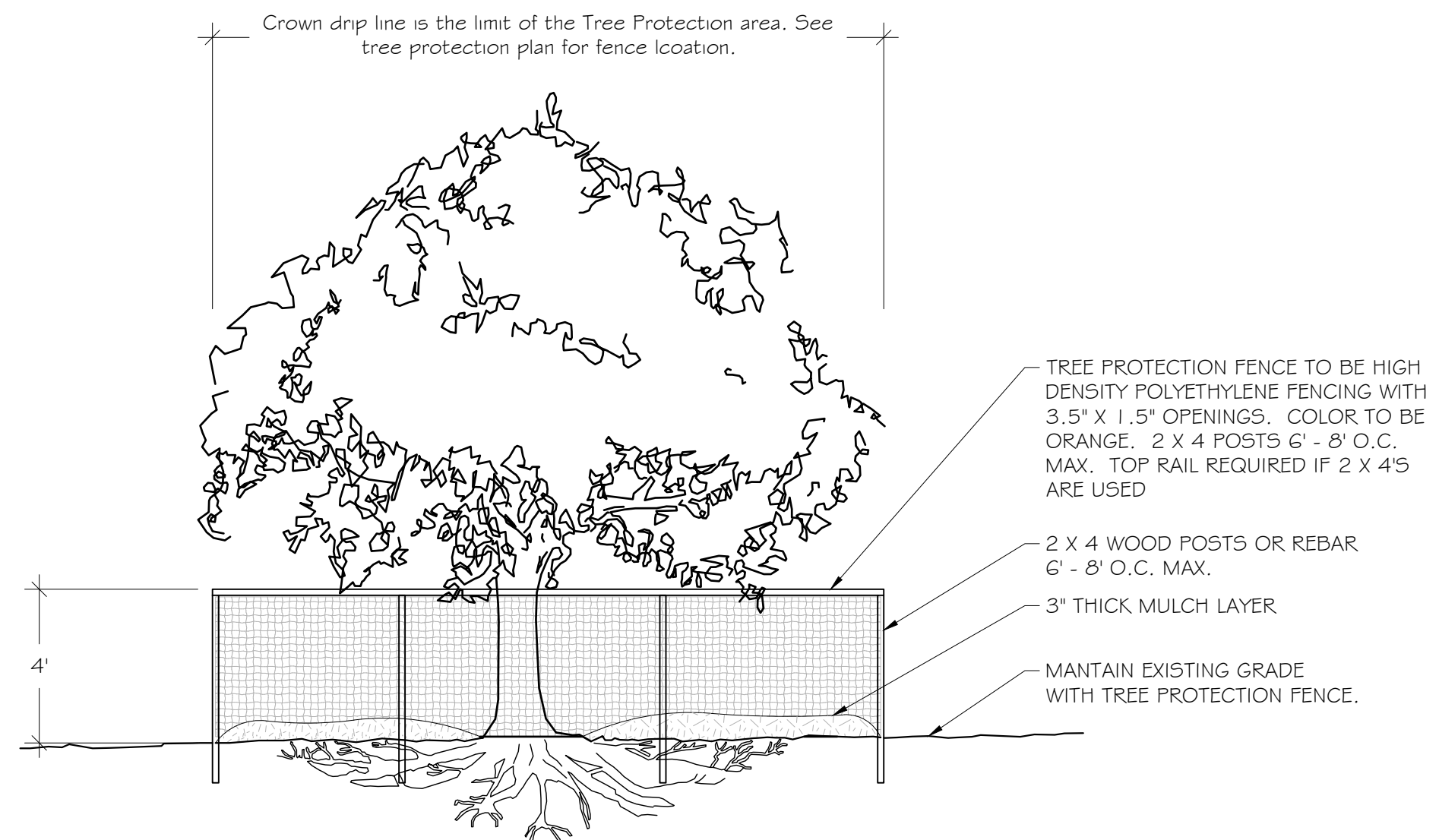
2 SHRUB PLANTING DETAIL 3/4" = 1'-0"

NOTES:
 1. SHRUB SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.
 2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



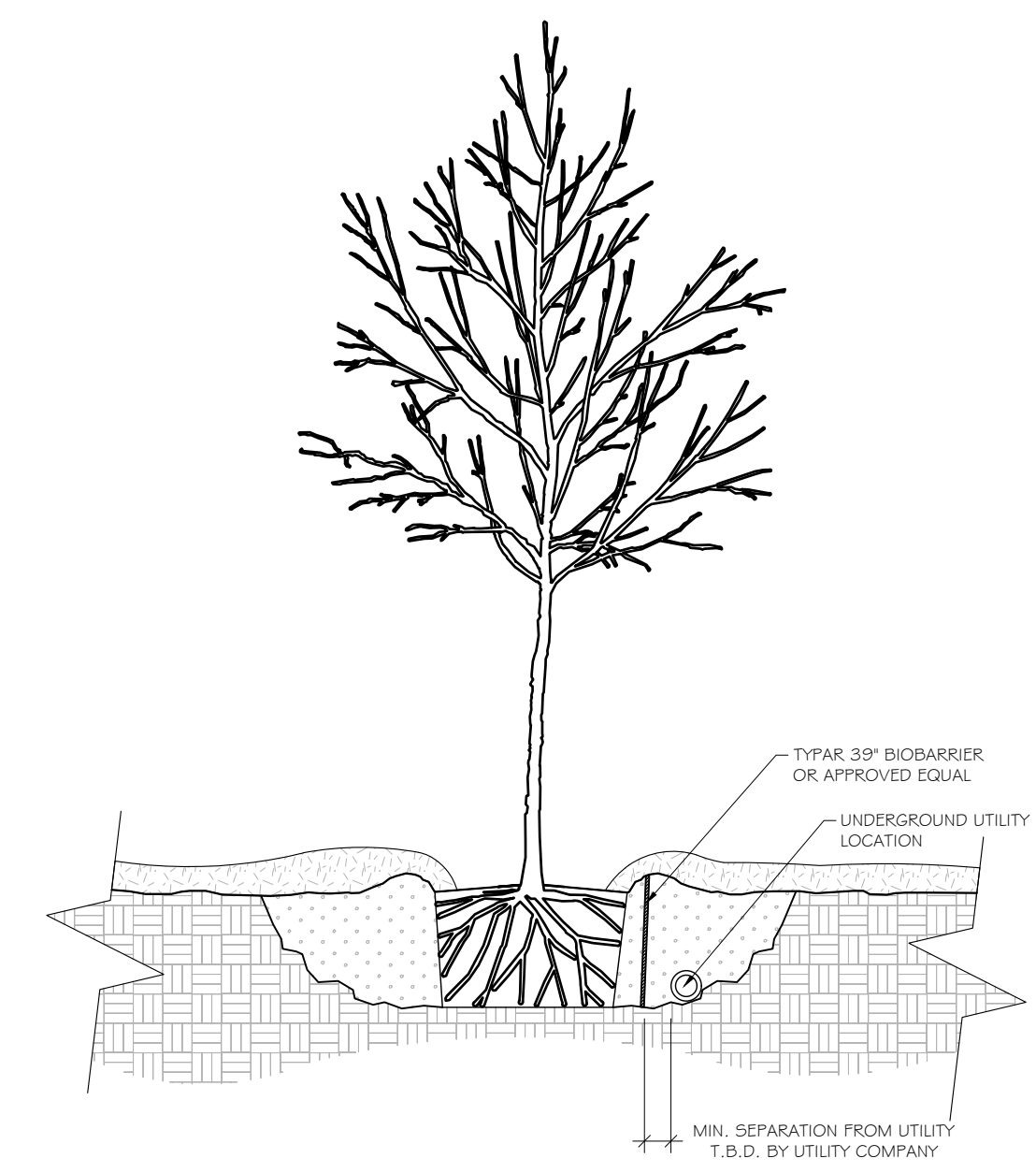
3 GROUNDCOVER 3/4" = 1'-0"

NOTES:
 1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
 2. SMALL ROOTS (1/2" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING.
 3. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

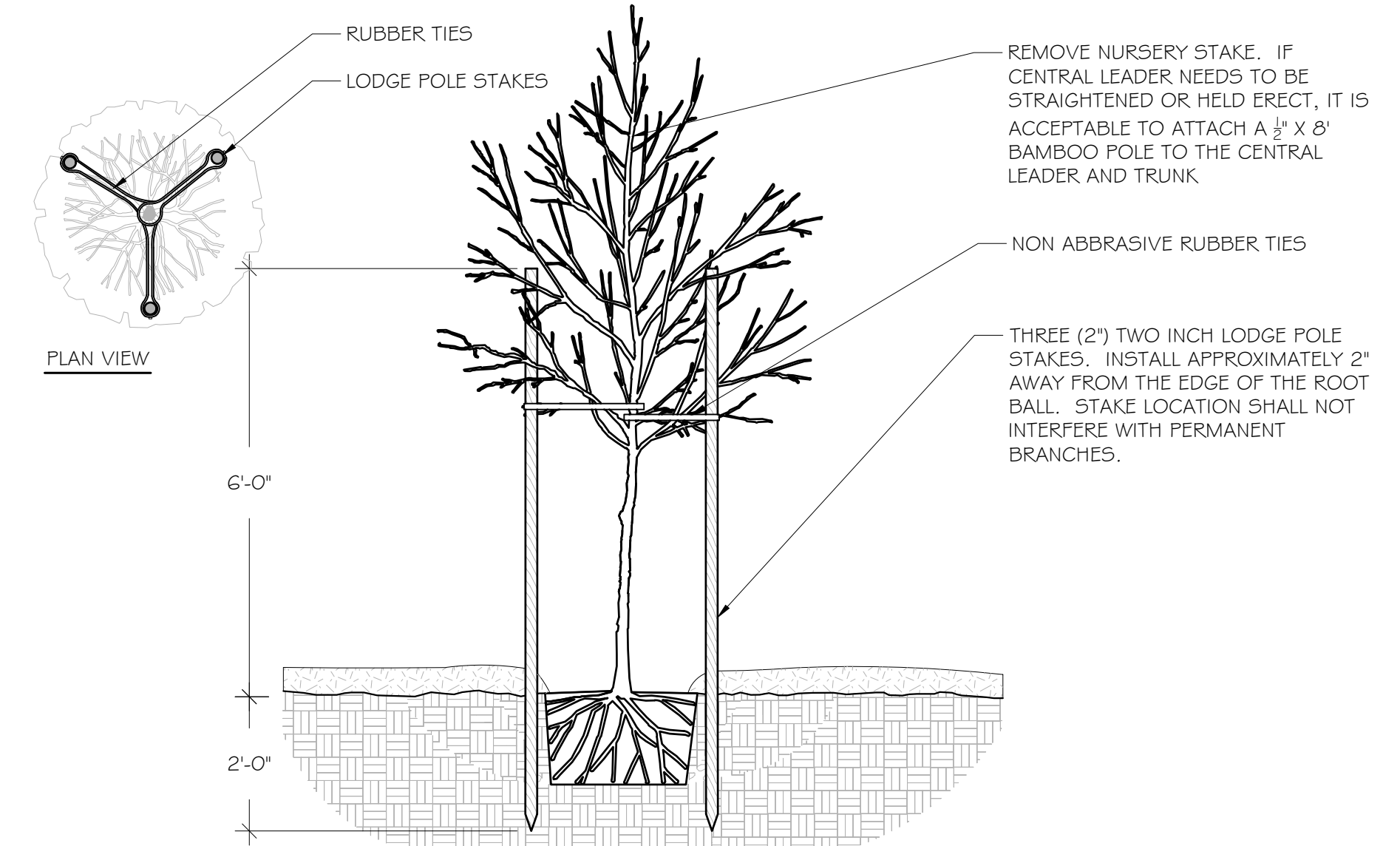


4 TREE PROTECTION DETAIL SCALE : 1/4" = 1'-0"

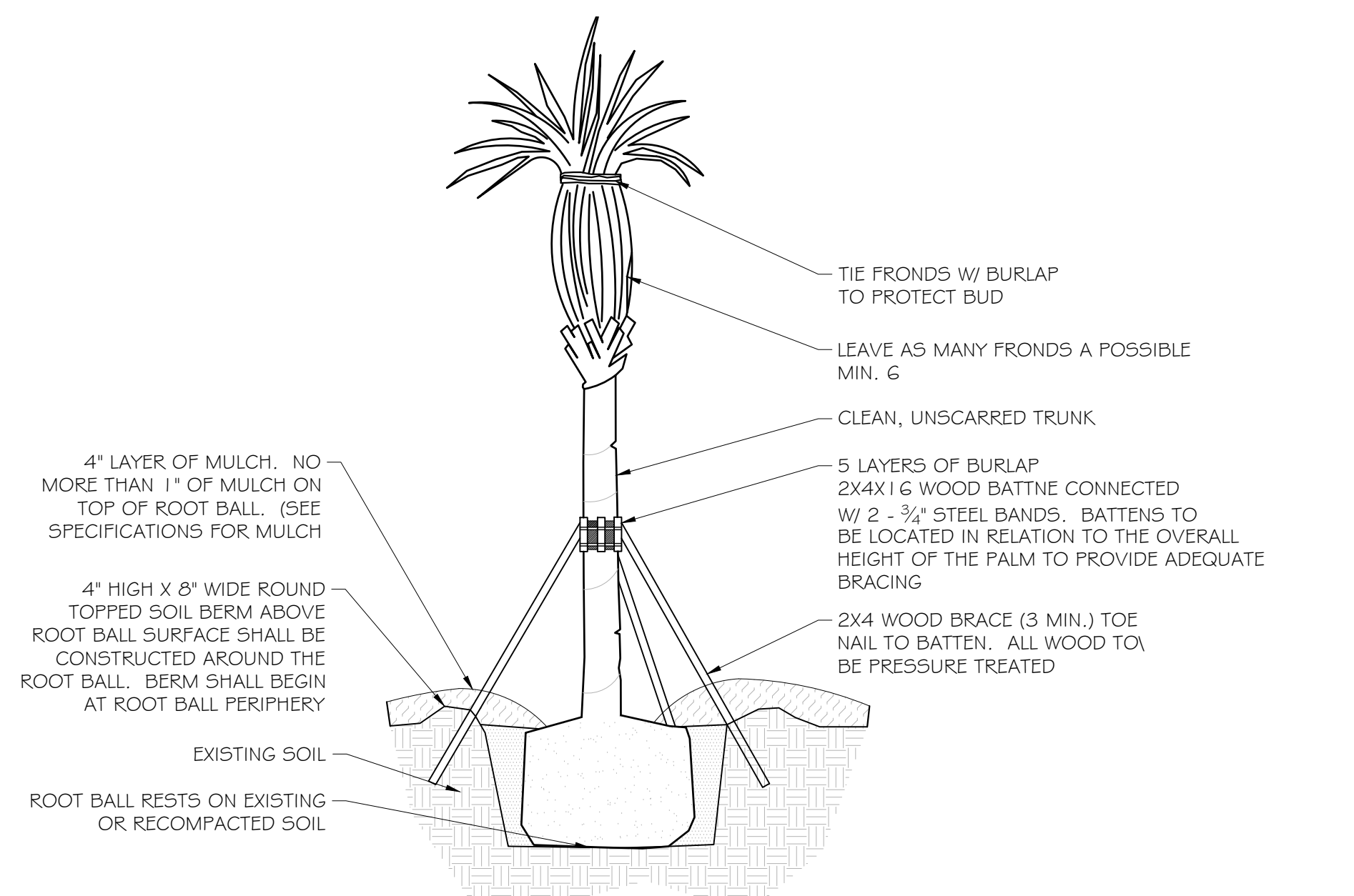
NOTES:
 1. KEEP OUT OF TREE PROTECTION AREA
 2. FENCE TO BE INSTALLED ALONG DRIPLINE OF EXISTING TREES
 3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.



7 ROOT BARRIER DETAIL 1/2" = 1'-0"



5 TREE STAKING DETAIL 1/2" = 1'-0"



6 PALM STAKING DETAIL SCALE : 1/4" = 1'-0"

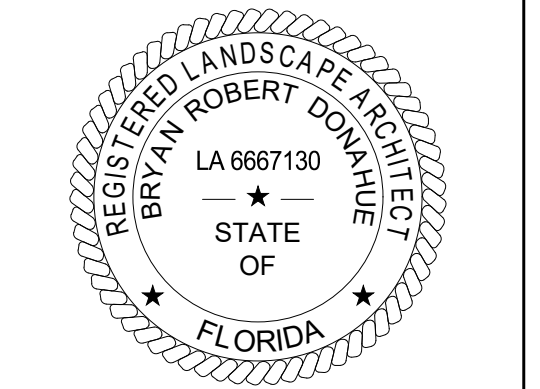
- LANDSCAPE NOTES:**
- ALL PLANTS TO BE FLORIDA #1 QUALITY OR BETTER AS DEFINED IN THE LATEST EDITION OF THE FLORIDA GRADES AND STANDARDS FOR NURSEY PLANTS, UNLESS OTHERWISE NOTED.
 - ALL PLANTING BEDS/ ISLANDS SHALL BE FREE OF SHELLROCK, CONSTRUCTION DEBRIS, OR OTHER MISCELLANEOUS DEBRIS, EXCAVATED TO A DEPTH OF 30" OR TO CLEAN NATIVE SOILS, AND BACKFILLED WITH THE SPECIFIED SOIL MIXTURE.
 - ROOT BARRIERS ARE REQUIRED FOR ALL TREES LOCATED WITHIN 10' OF UNDERGROUND UTILITIES.
 - CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED APPROVALS AND PERMITS FROM LOCAL MUNICIPALITY AND GOVERNING AGENCIES PRIOR TO REMOVAL OF ANY EXISTING VEGETATION OR BEGINNING INSTALLATION.
 - IN THE EVENT OF A CONFLICT BETWEEN THE QUANTITIES SHOWN IN THE PLANT SCHEDULE AND GRAPHICALLY DEPICTED AND LABELED ON THE PLAN, THE PLAN WILL PREVAIL. IF SUCH CONFLICT IS DISCOVERED, CONTRACTOR SHALL CONSULT WITH LANDSCAPE ARCHITECT.
 - ALL TREES PLANTED UNDER OR NEAR OVERHEAD POWER LINES SHALL COMPLY WITH FPL RIGHT TREE, RIGHT PLACE REQUIREMENTS.
 - CONTRACTOR IS REQUIRED TO CALL SUNSHINE 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO ANY DIGGING, EXCAVATION, OR UNDERGROUND WORK. IF PROPOSED DESIGN CONFLICTS WITH EXISTING OR PROPOSED UTILITY LOCATIONS, CONTRACTOR SHALL IMMEDIATELY CONTACT LANDSCAPE ARCHITECT TO DEVELOP A SOLUTION FOR THE CONFLICT.

Consultants:

Revisions:

9/9/19:	per City comments
10/7/19:	per City comments
10/21/19:	per City comments

NAUTILUS 211
 Lake Park, Florida



BRYAN ROBERT DONAHUE, PLA
 LICENSE # LA6667130

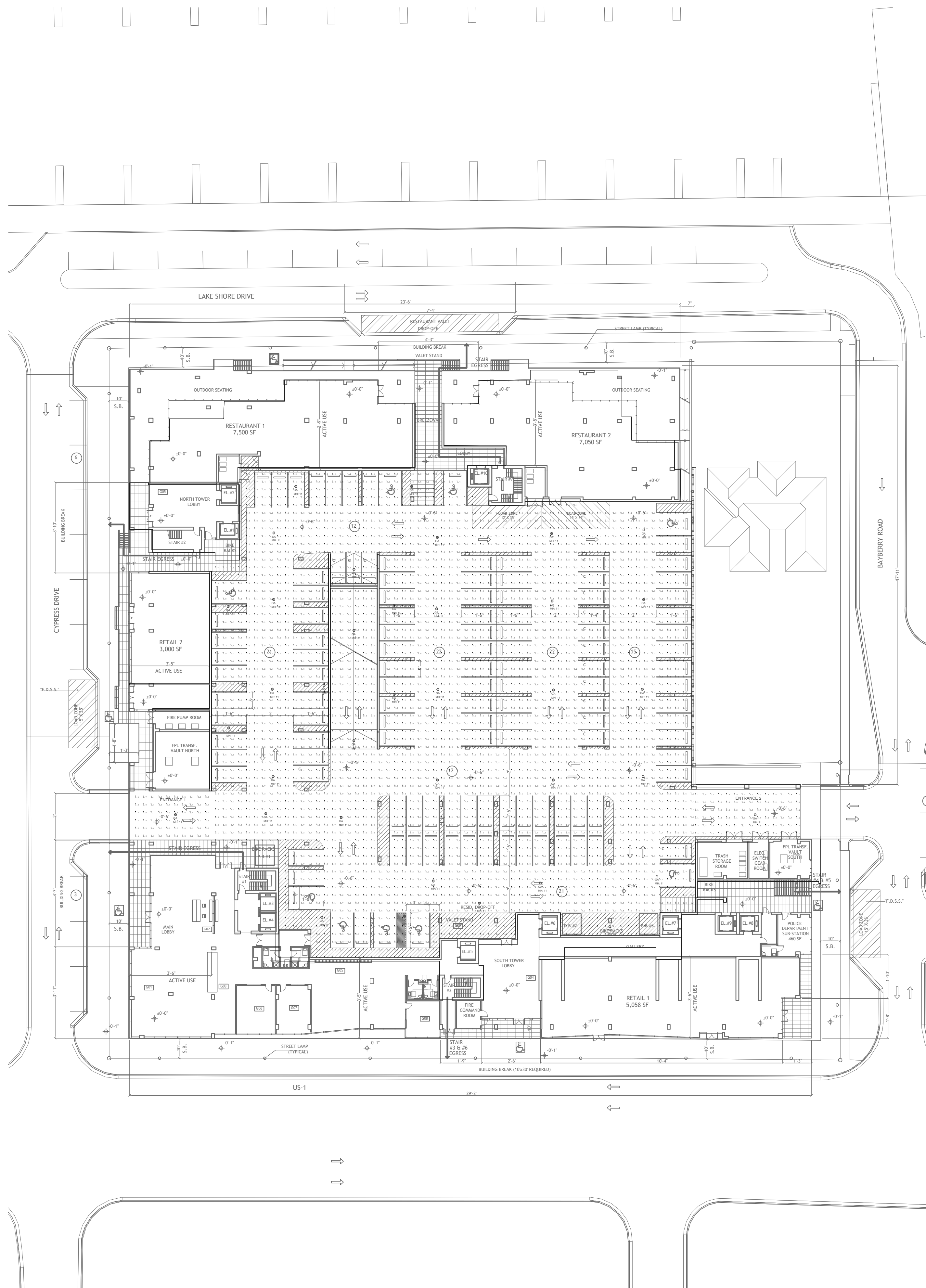
ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.



Drawn By: RG
 Drawing #: 1075
 Date: 06/12/2019

LANDSCAPE
 DETAILS

SHEET # LP.4



GROUND LEVEL GARAGE PHOTOMETRIC PLAN - NORMAL

NAUTILUS 211									
LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	88W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M612A-FINISH-5X

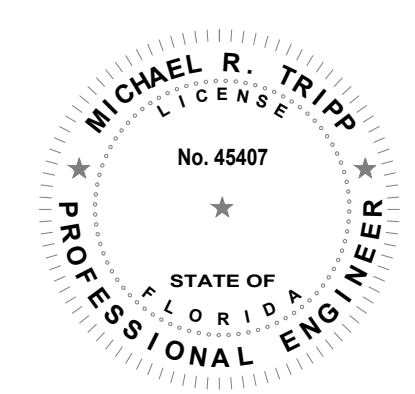
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	37	GA	SINGLE	6848	6848	0.900	58	58

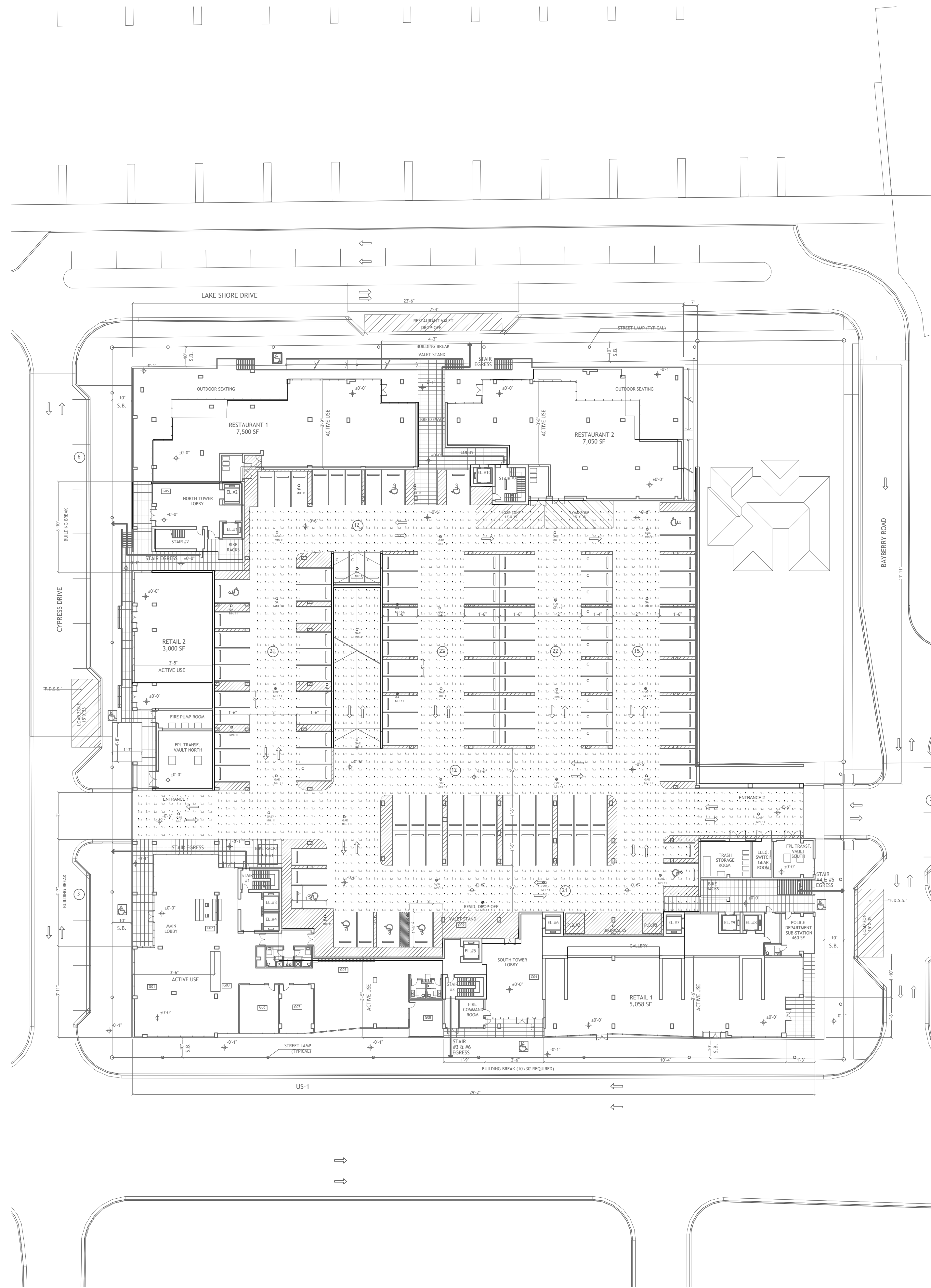
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ENTRANCE 1	Illuminance	Fc	2.94	4.1	1.1	2.67	3.73	
ENTRANCE 2	Illuminance	Fc	2.33	3.9	1.0	2.33	3.90	
PARKING	Illuminance	Fc	3.16	7.3	1.0	3.16	7.30	

Revisions:

NAUTILUS 211
LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407



GROUND LEVEL GARAGE PHOTOMETRIC PLAN - EMERGENCY

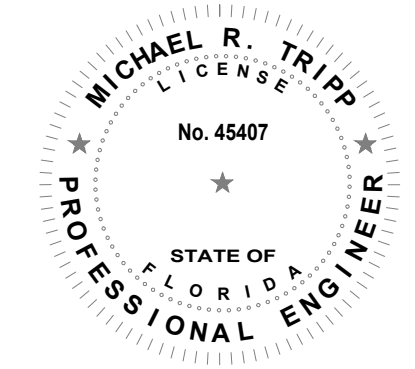
NAUTILUS 211									
LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-SX	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-SX	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4' STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	
FIXTURE SCHEDULE NOTES									
NOTE 1: ADVISE FINISH									
NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M612A-FINISH-SX									
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM									

Photometrics Calculation Software Generated Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	14	GA	SINGLE	6848	6848	0.000	58	58
○	23	GAE	SINGLE	6848	6848	0.345	58	58

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ENTRANCE 1	Illuminance	Fc	1.12	1.6	0.4	2.80	4.00
ENTRANCE 2	Illuminance	Fc	0.89	1.5	0.4	2.23	3.75
PARKING	Illuminance	Fc	1.01	2.7	0.1	10.10	27.00

Revisions:

NAUTILUS 211
 LAKE PARK, Florida



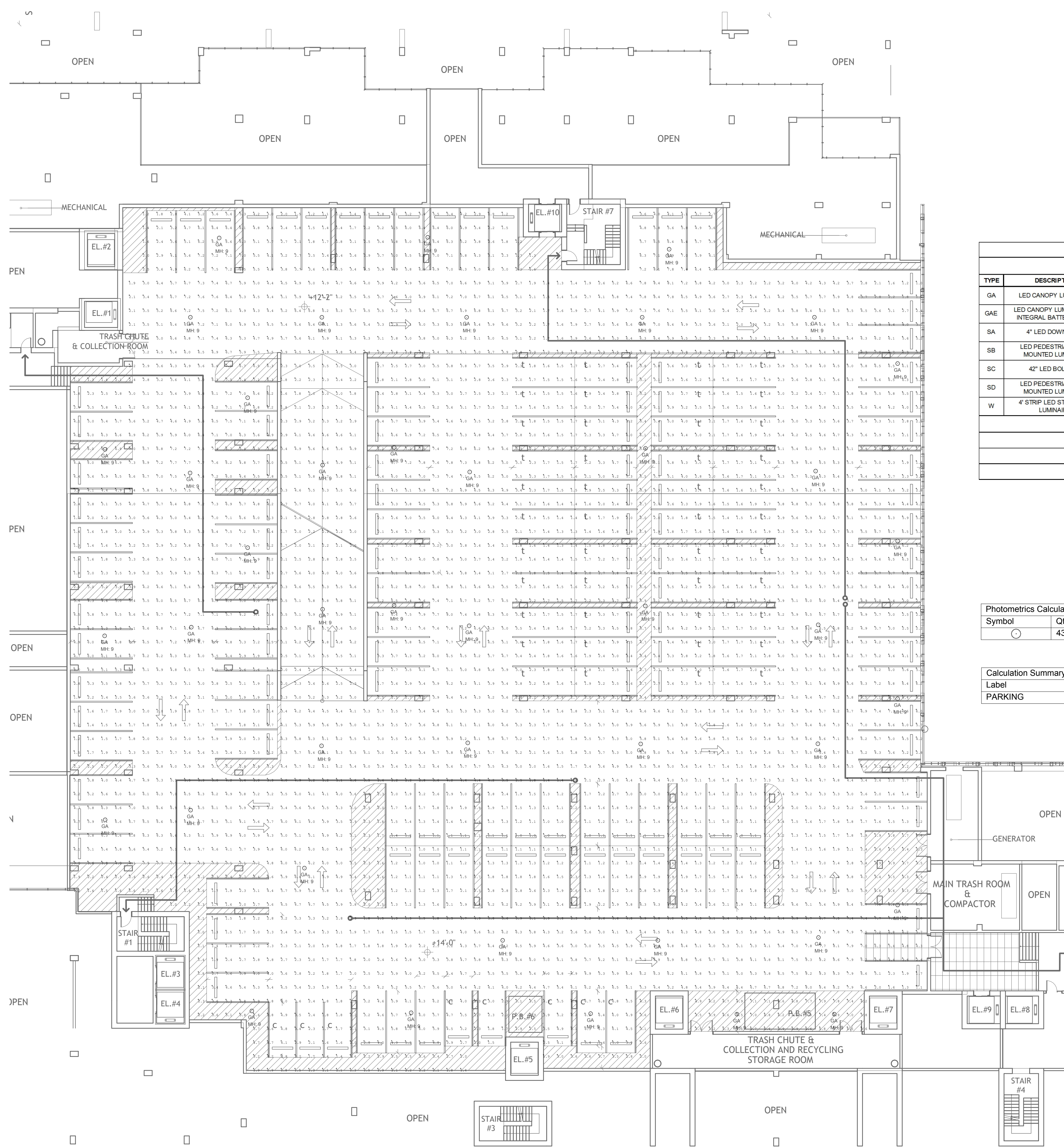
MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

SCALE: 1/16" = 1'-0"

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019
 GROUND LEVEL GARAGE
 EMERG PHOTOMETRIC

SHEET # L1E

Revisions:



MEZZANINE GARAGE LEVEL PHOTOMETRIC PLAN - NORMAL

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B100D10 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-TS-FINISH-C / ARPSM612A-FINISH-5X	UNV	LED	86W	12" POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-TS-FINISH-C / ARPSM612A-FINISH-5X	UNV	LED	41W	12" POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-UW-UNV-L840-CD1-U	UNV	LED	71.5W	9" WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12" POLE # ARPSM612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7168; RHUFF@LIGHTINGDYNAMICS.COM

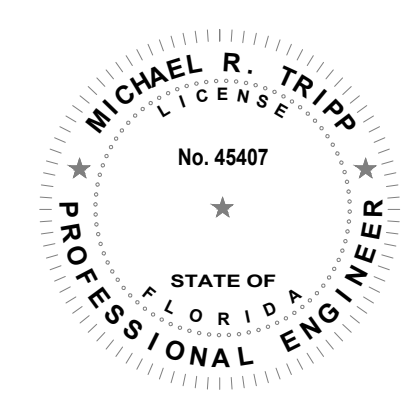
Photometrics Calculation Software Generated Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	43	GA	SINGLE	6848	6848	0.900	58	58

Calculation Summary

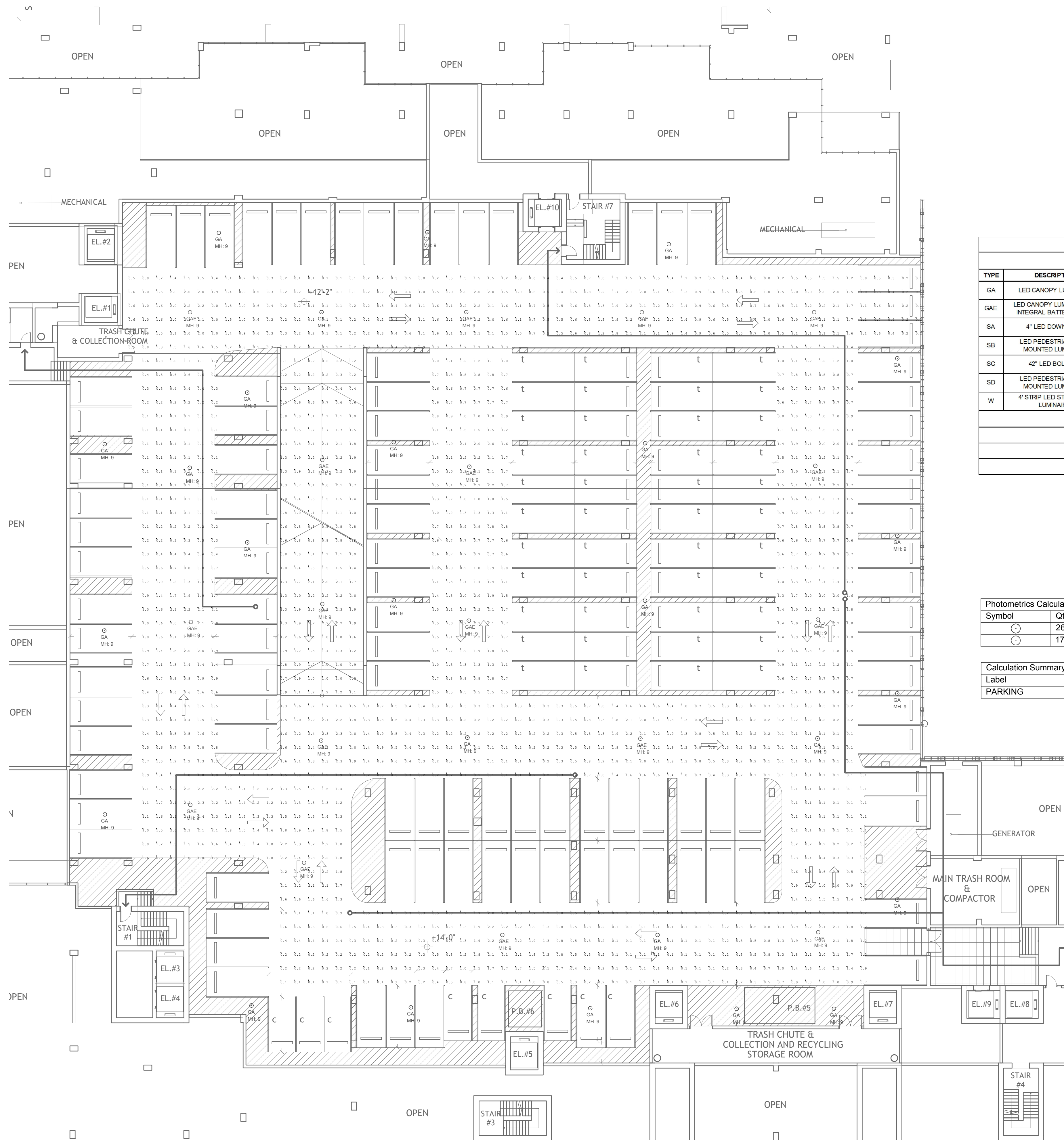
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING	Illuminance	Fc	3.87	8.6	1.0	3.87	8.60

NAUTILUS 211
 LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By:	ET
Drawing #:	1075
Date:	10/07/2019
MEZZ. GARAGE LEVEL PHOTOMETRIC PLAN	



MEZZANINE LEVEL GARAGE PHOTOMETRIC PLAN - EMERGENCY

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B100010 EL4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-TS-FINISH-C / ARPSM612A-FINISH-5X	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-TS-FINISH-C / ARPSM612A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARPSM612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
⊙	26	GA	SINGLE	6848	6848	0.000	58	58
⊖	17	GAE	SINGLE	6848	6848	0.345	58	58

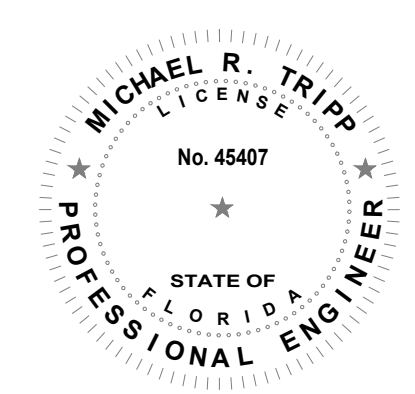
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING	Illuminance	Fc	1.00	2.4	0.1	10.00	24.00

Revisions:

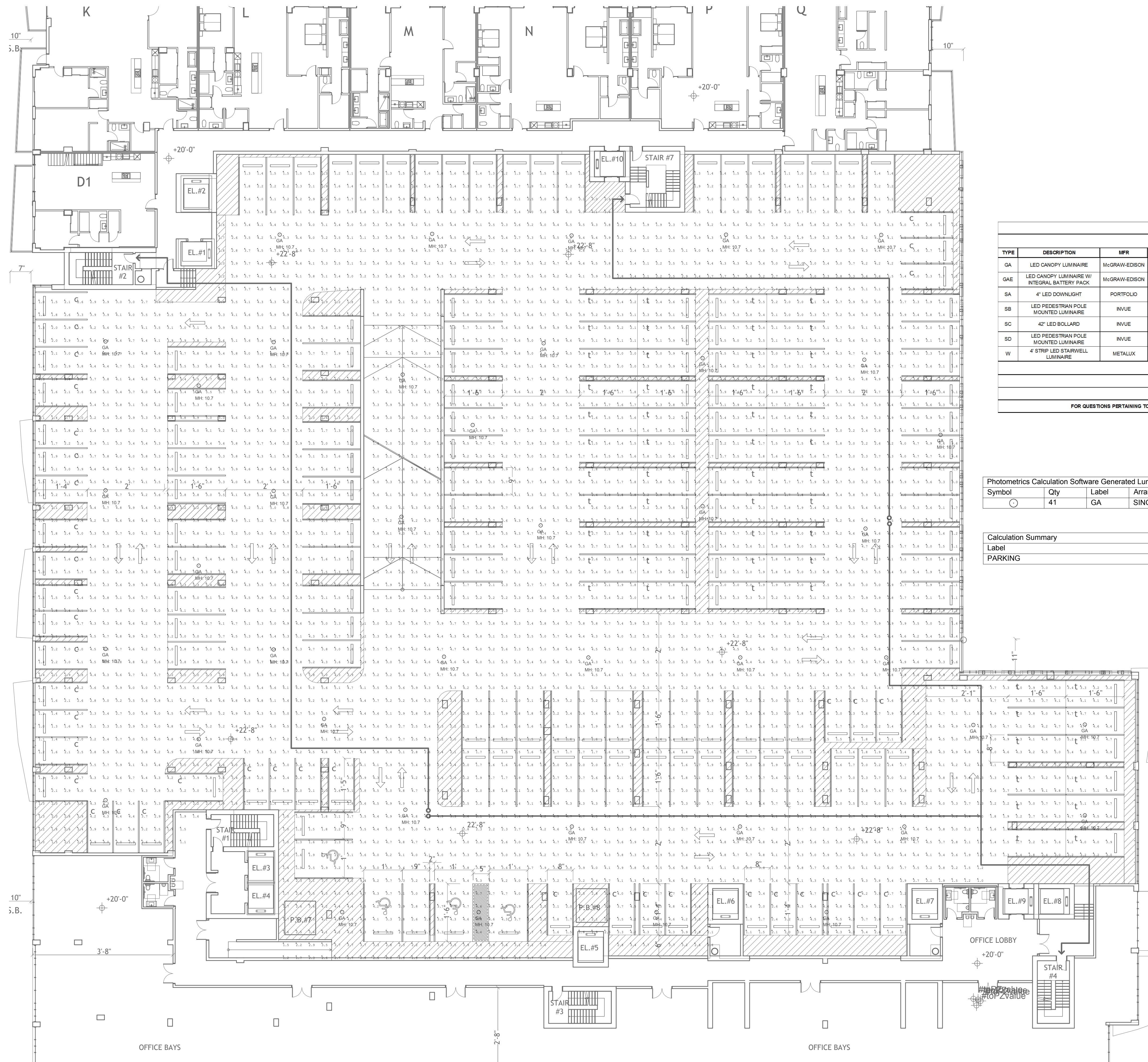
No.	Description

NAUTILUS 211
 LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019
 MEZZ. LEVEL GARAGE PHOTOMETRIC PLAN



LEVEL C GARAGE PHOTOMETRIC PLAN - NORMAL

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4LED-E1-WQ	UNV	LED	68W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4LED-E1-WQ-6P	UNV	LED	68W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B100D10 EL4B10028030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTAL POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-SX	UNV	LED	86W	12 POLE	0-10V	NOTE 1,2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTAL POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-SX	UNV	LED	41W	12 POLE	0-10V	NOTE 1,2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	45WLED-72HL-LW4UNV-LM40-CD1-U	UNV	LED	71.5W	8" WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12" POLE # ARP5M612A-FINISH-SX

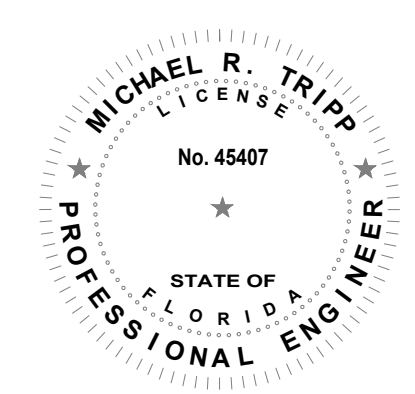
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
⊙	41	GA	SINGLE	6848	6848	0.900	58	58

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
PARKING	Illuminance	Fc	3.17	6.5	1.0	3.17

Revisions:

NAUTILUS 211
 LAKE PARK, Florida

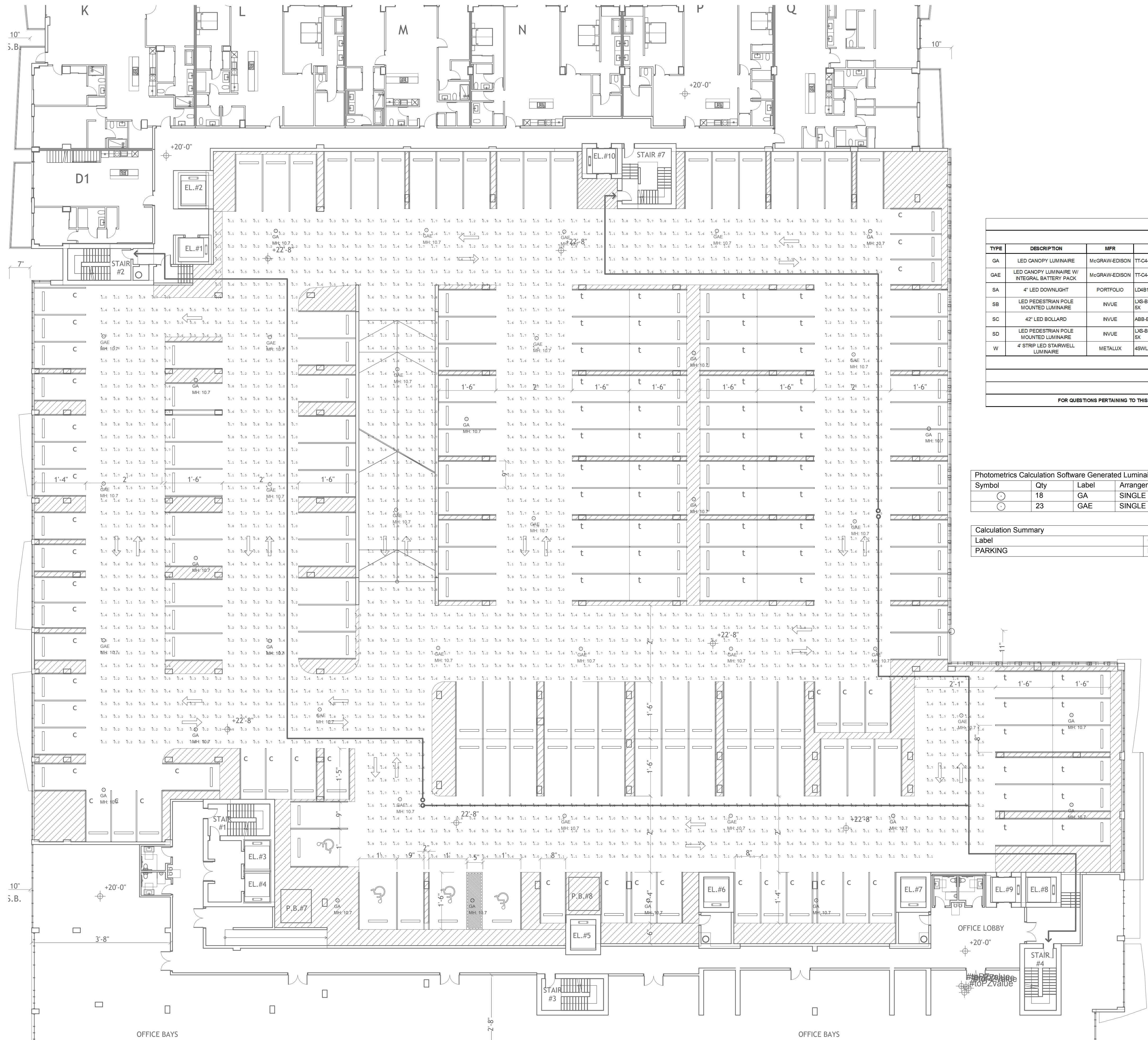


MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019

LEVEL C GARAGE PHOTOMETRIC PLAN

SHEET # L3



LEVEL C GARAGE PHOTOMETRIC PLAN - EMERGENCY

NAUTILUS 211									
LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-BP	UNV	LED	58W	SURFACE	0-10V	
SA	4' LED DOWNLIGHT	PORTFOLIO	LDH100D10 EU481028030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LS-B3-LED-D1-T5-FINISH-C / ARP5M812A-FINISH-SX	UNV	LED	88W	12 POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-82-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LS-B2-LED-D1-T5-FINISH-C / ARP5M812A-FINISH-SX	UNV	LED	41W	12 POLE	0-10V	NOTE 1, 2
W	4' STRIP LED STARWELL LUMINAIRE	METALUX	48WLED-T2H-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

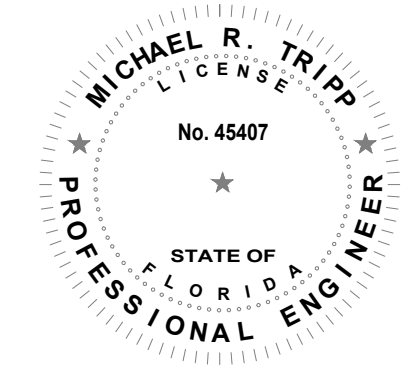
FIXTURE SCHEDULE NOTES
 NOTE 1: ADVISE FINISH
 NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M812A-FINISH-SX
 FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
⊙	18	GA	SINGLE	6848	6848	0.000	58	58
⊚	23	GAE	SINGLE	6848	6848	0.345	58	58

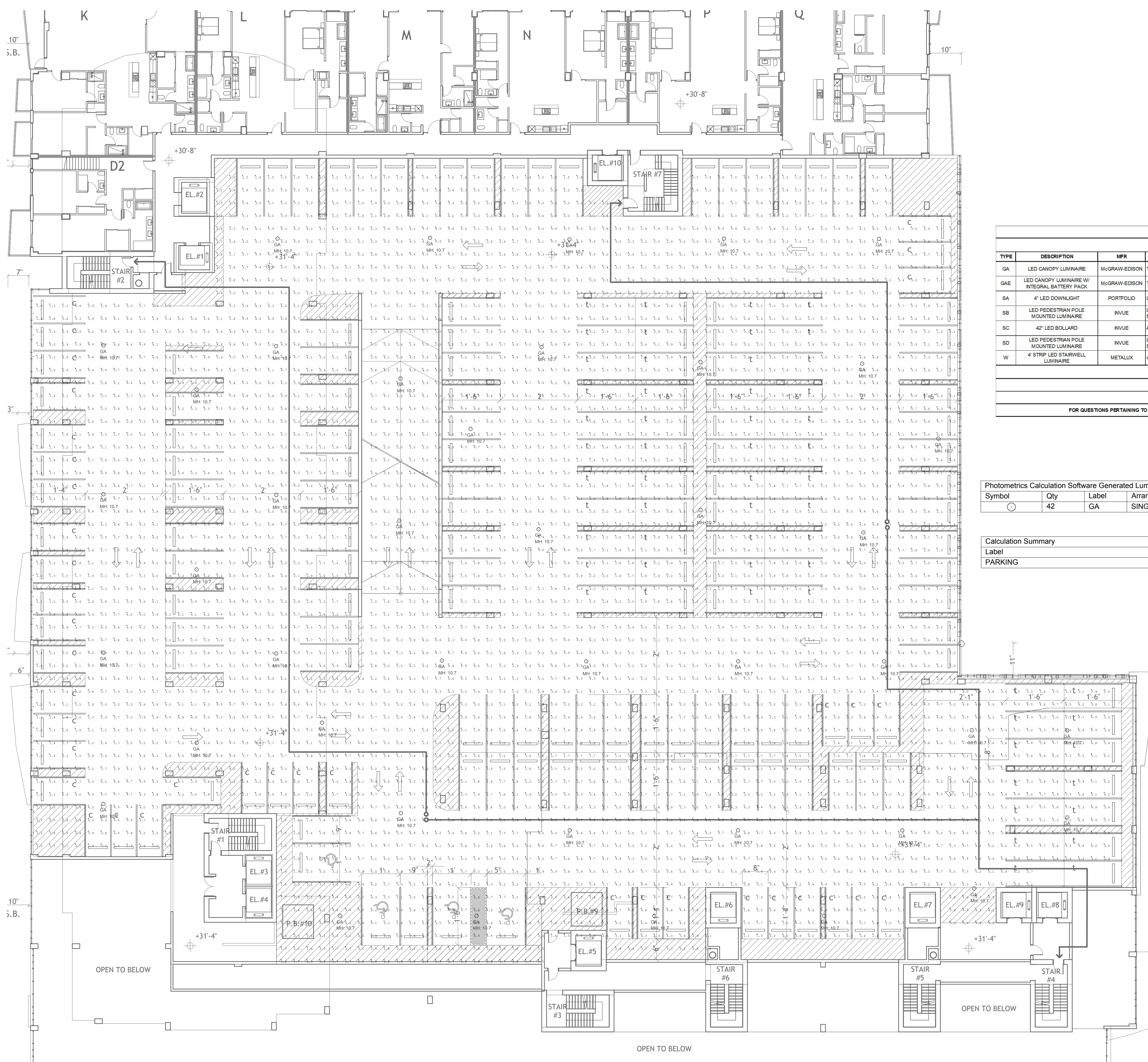
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING	Illuminance	Fc	1.00	1.8	0.1	10.00	18.00

Revisions:

NAUTILUS 211
 LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407



NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4LED-E1-WQ-BP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD48100D10 EU4810208030 4LB1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTAL POLE MOUNTED LUMINAIRE	INVUE	LX8-B3-LED-D1-T5-FINISH-C / ARP9M12A-FINISH-5X	UNV	LED	88W	12' POLE	0-10V	NOTE 1, 2
SD	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SC	LED PEDESTAL POLE MOUNTED LUMINAIRE	INVUE	LX8-B2-LED-D1-T5-FINISH-C / ARP9M12A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STARVELL LUMINAIRE	METALUX	4SVLED-7HL-LV-UNV-L840-CD1-U	UNV	LED	71.8W	9" WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP9M12A-FINISH-5X

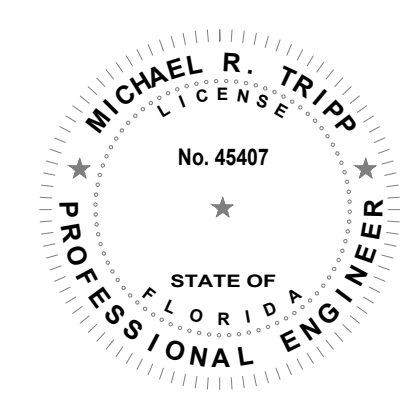
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	42	GA	SINGLE	6848	6848	0.900	58	58

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
PARKING	Illuminance	Fc	3.23	6.7	1.0	6.70

Revisions:

NAUTILUS 211
 LAKE PARK, Florida

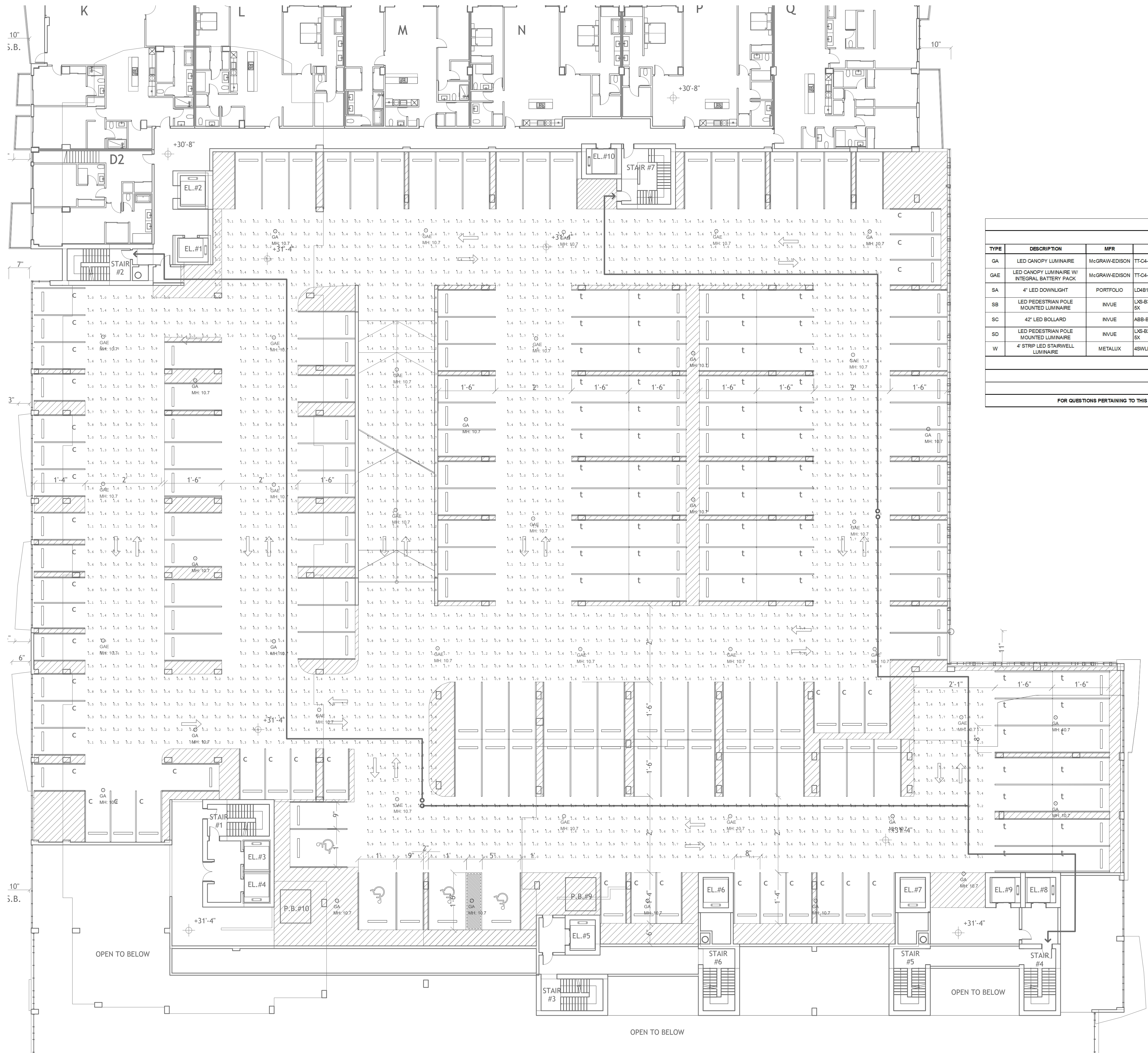


MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019

LEVEL D GARAGE
 PHOTOMETRIC PLAN

SHEET # L4



NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	86W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	86W	SURFACE	0-10V	
SA	4' LED DOWNLIGHT	PORTFOLIO	LD4B10D10 EU4B1028030 4LBM1-FINISH	UNV	LED	9.8W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LS-B3-LED-D1-T5-FINISH-C / ARPM612A-FINISH-SX	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-82-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LS-B2-LED-D1-T5-FINISH-C / ARPM612A-FINISH-SX	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4' STRIP LED STARWELL LUMINAIRE	METALUX	48WLED-72HLW-UNV-L840-CD1-UJ	UNV	LED	71.6W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

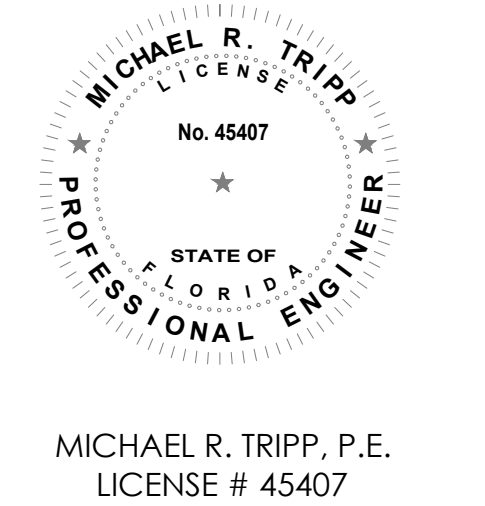
NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARPM612A-FINISH-SX

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

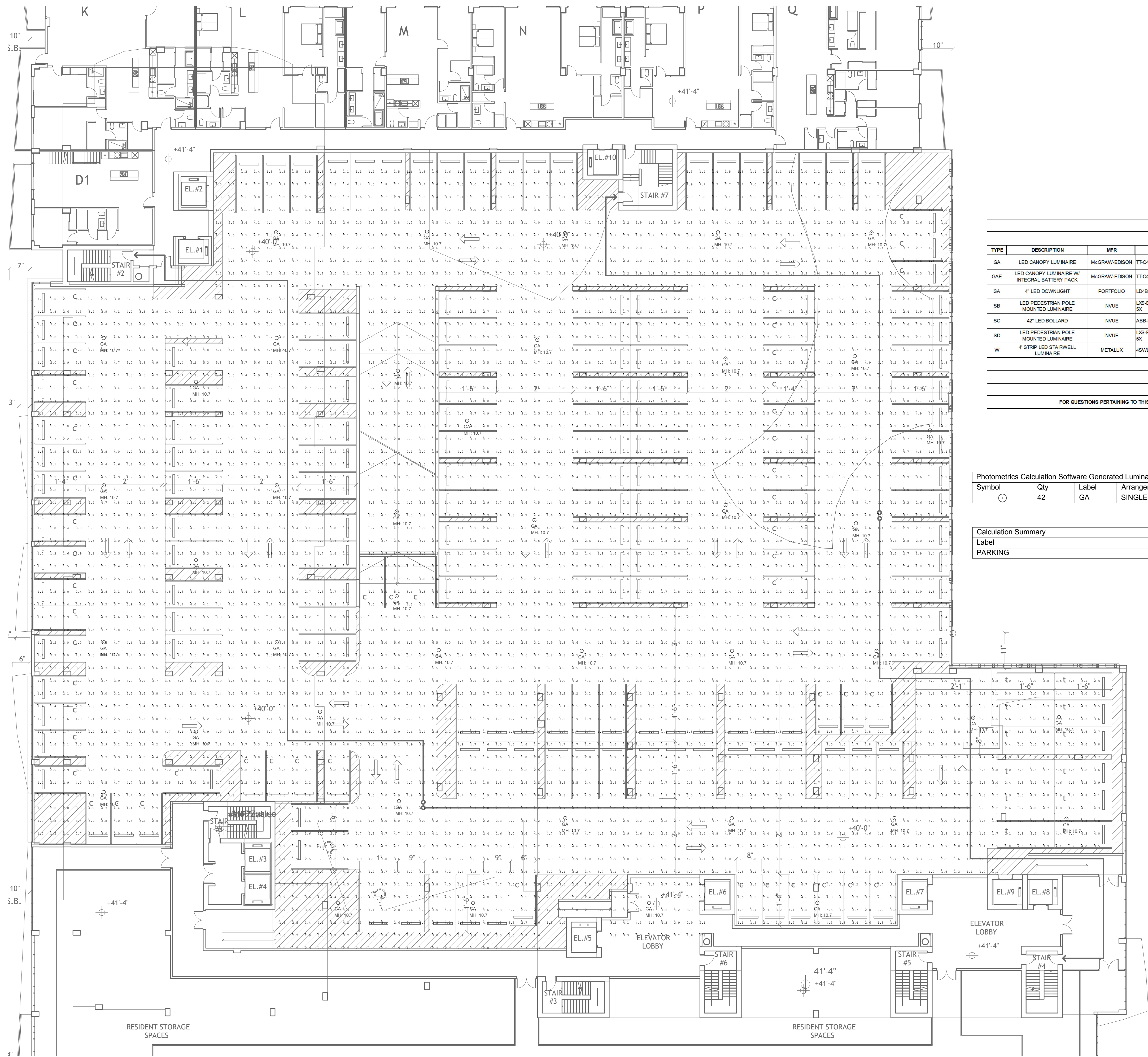
LEVEL D GARAGE PHOTOMETRIC PLAN - EMERGENCY

Revisions:

NAUTILUS 211
 LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407



NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (if Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4LED-E1-WQ	UNV	LED	88W	SURFACE	0-10V	
QAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4LED-E1-WQ-BP	UNV	LED	88W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD48100010 EU481020030 4LB1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3LED-D1-TS-FINISH-C / ARPSM612A-FINISH-SX	UNV	LED	86W	12 POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2LED-D1-TS-FINISH-C / ARPSM612A-FINISH-SX	UNV	LED	41W	12 POLE	0-10V	NOTE 1, 2
W	4 STRIP LED STARWELL LUMINAIRE	METALUX	4SWLED-72H-LW4UNV-L840-CD-U	UNV	LED	71.9W	9 WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12 POLE # ARPSM612A-FINISH-SX

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

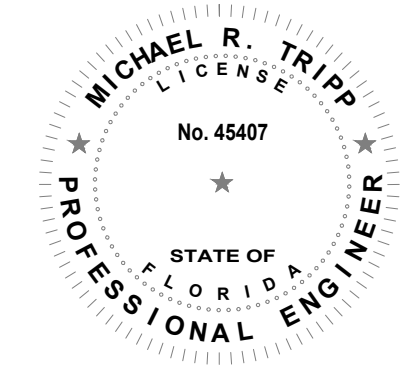
Photometrics Calculation Software Generated Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Arr. Watts
GA	42	GA	SINGLE	6848	6848	0.900	58

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
PARKING	Illuminance	Fc	3.22	7.5	1.0	7.50

LEVEL E GARAGE PHOTOMETRIC PLAN - NORMAL

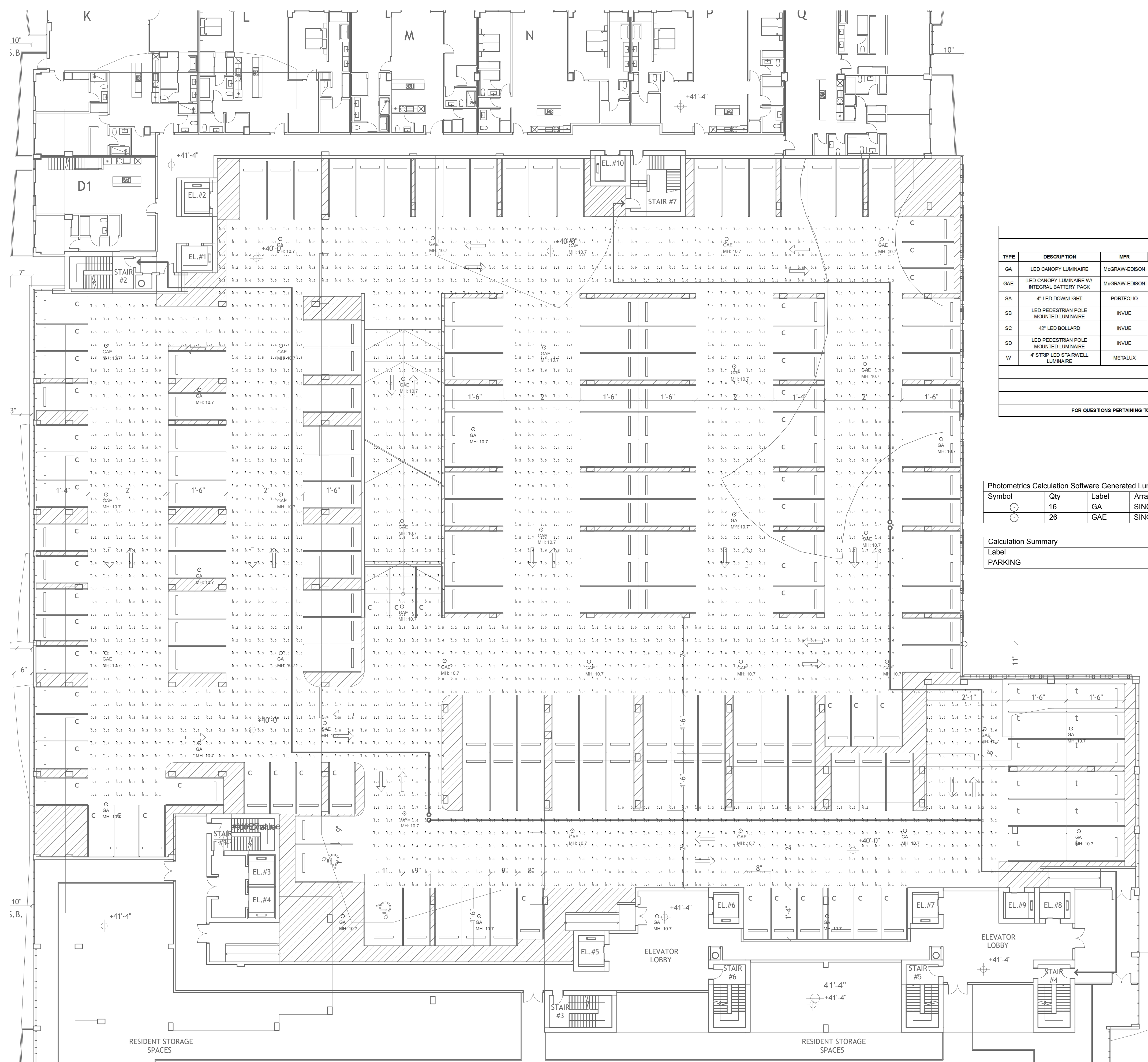
Revisions:

NAUTILUS 211
 LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019
 LEVEL E GARAGE PHOTOMETRIC PLAN



LEVEL E GARAGE PHOTOMETRIC PLAN - EMERGENCY

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	88W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-4BP	UNV	LED	88W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LDB10D10 EU4B1020830 4LBM1-FINSH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LDS-B3-LED-D1-T5-FINSH-C / ARP5M12A-FINSH-SX	UNV	LED	88W	12 POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINSH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LDS-B2-LED-D1-T5-FINSH-C / ARP5M12A-FINSH-SX	UNV	LED	41W	12 POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STARWELL LUMINAIRE	METALUX	48WLED-72HL-LW-UNV-LM40-CD1-U	UNV	LED	71.5W	9 WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12 POLE # ARP5M12A-FINSH-SX

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule

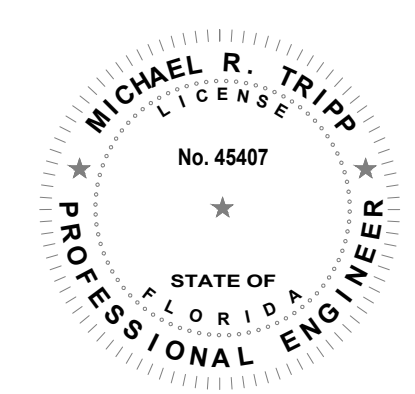
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	16	GA	SINGLE	6848	6848	0.000	58	58
○	26	GAE	SINGLE	6848	6848	0.345	58	58

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING	Illuminance	Fc	1.03	2.8	0.1	10.30	28.00

Revisions:

NAUTILUS 211
 LAKE PARK, Florida

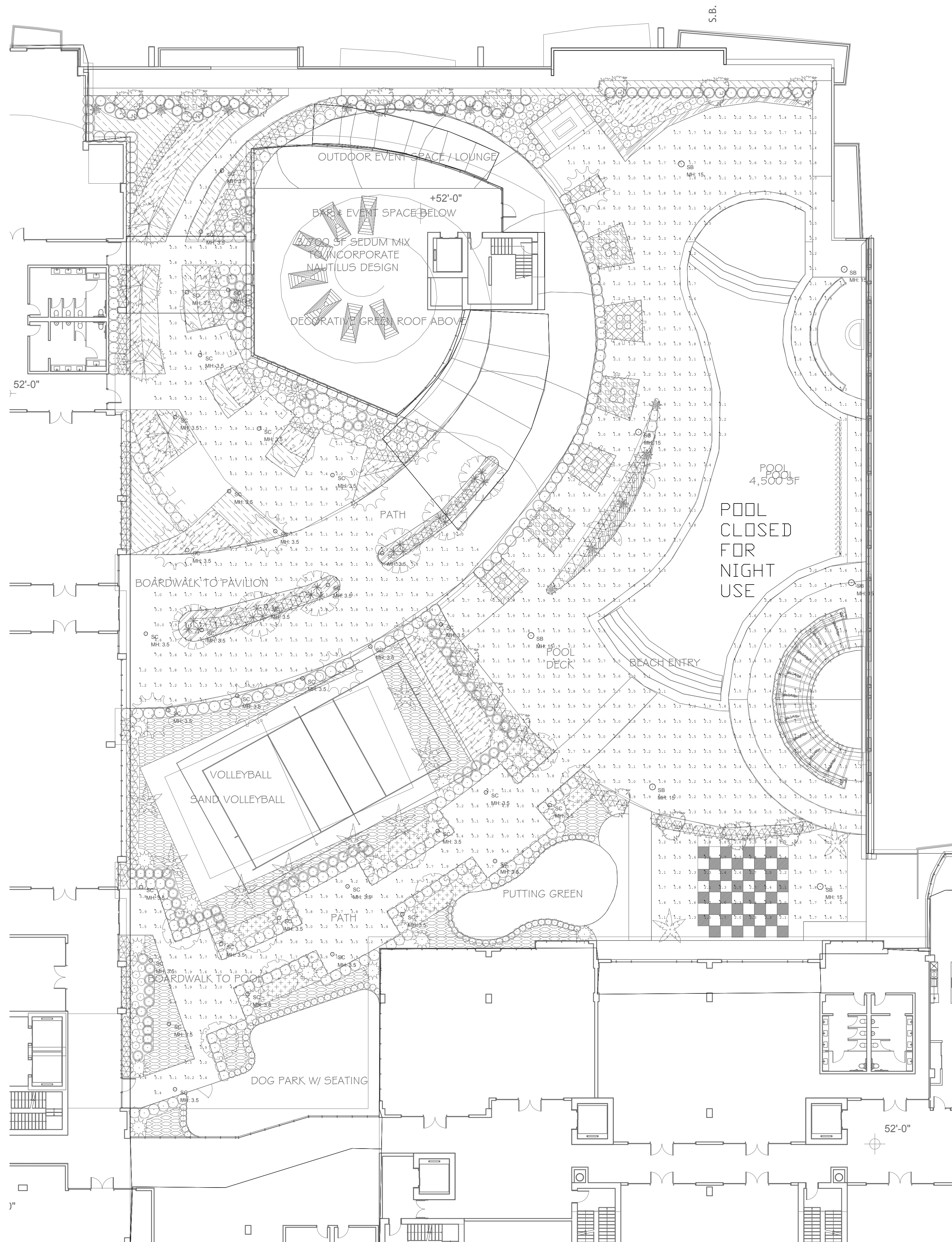


MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019

LEVEL E GARAGE
 PHOTOMETRIC PLAN

SHEET # L5E



PHOTOMETRIC PLAN - NORMAL MODE

NAUTILUS 211									
LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	7	SB	SINGLE	9277	9277	0.900	86	86
○	35	SC	SINGLE	1276	1276	0.900	32	32

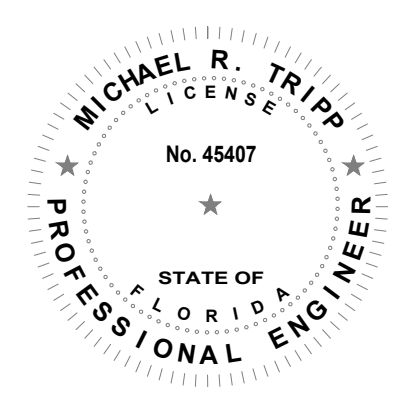
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
POOL AREA LEVEL 6	Illuminance	Fc	2.06	8.6	1.0	2.06	8.60
WALKWAY	Illuminance	Fc	3.42	11.6	1.0	3.42	11.60

Revisions:

No.	Description

NAUTILUS 211
 LAKE PARK, Florida



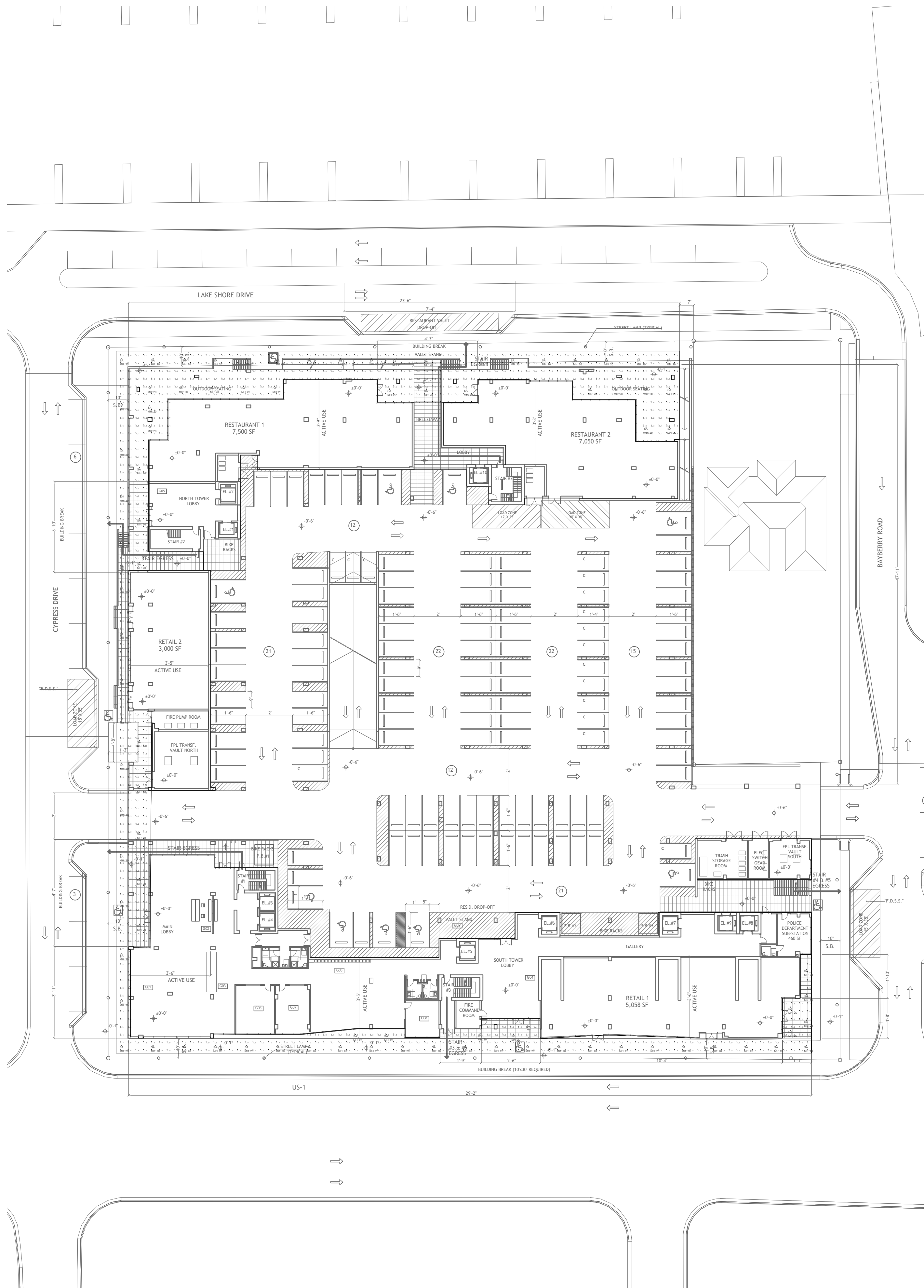
MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

SCALE: 1/16" = 1'-0"

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019

AMENITY DECK
 PHOTOMETRIC PLAN

SHEET #: L6



NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4' STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule

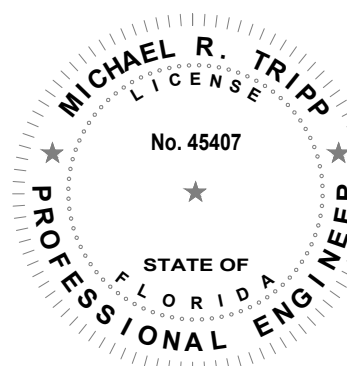
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
⊙	89	SA	SINGLE	840	840	0.900	9.9	9.9

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PORTE COCHERE	Illuminance	Fc	2.11	4.2	1.0	2.11	4.20

Revisions:

NAUTILUS 211
 LAKE PARK, Florida

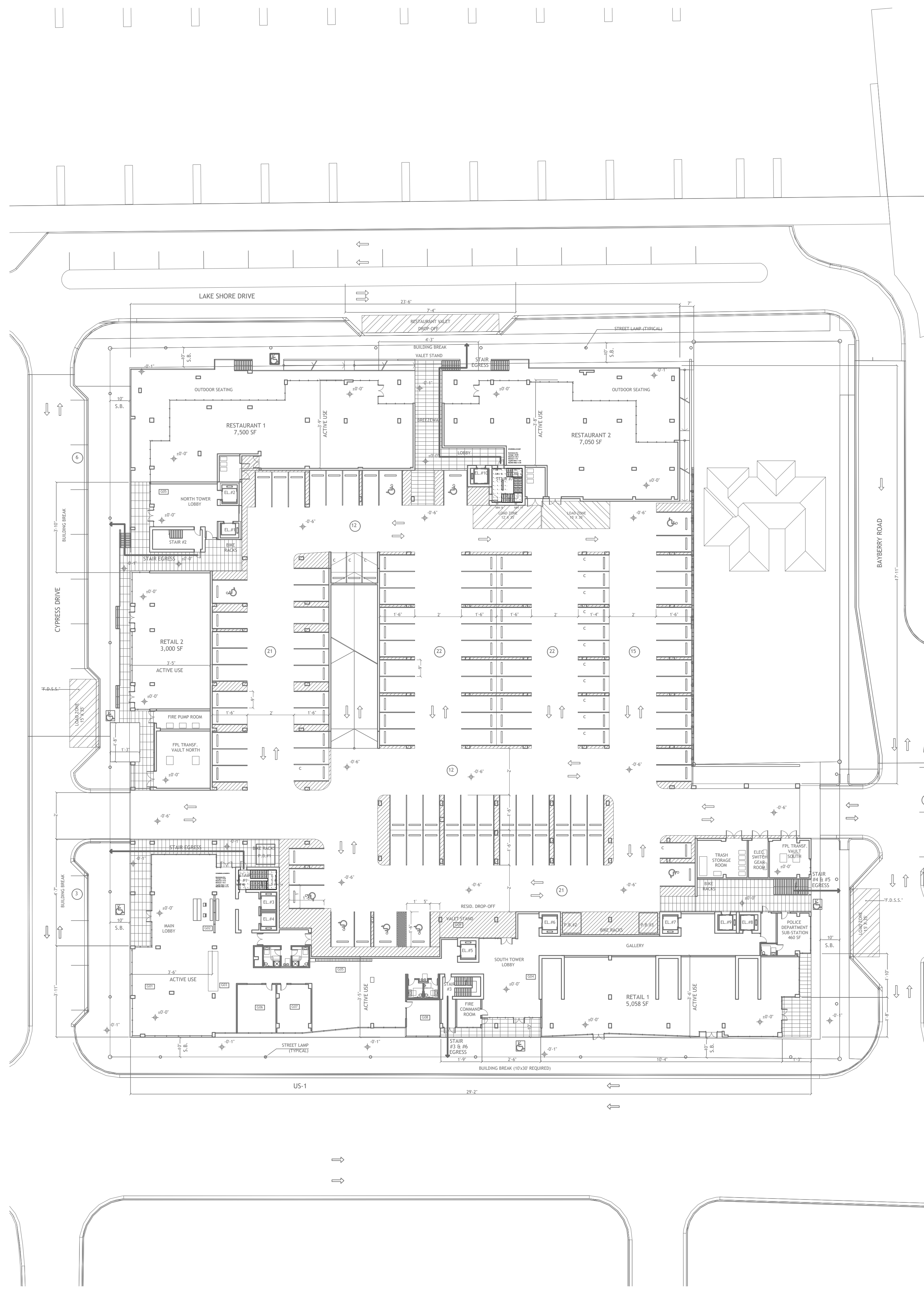


MICHAEL R. TRIPP, P.E.
 LICENSE # 45407

SCALE: 1/16" = 1'-0"

Drawn By: ET
 Drawing #: 1075
 Date: 10/07/2019
 PORTE COCHERE
 PHOTOMETRIC PLAN

SHEET # L7



STAIRWELLS PHOTOMETRIC PLAN - NORMAL

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	86W	12' POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-T5-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	41W	12' POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9' WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12' POLE # ARP5M612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

Photometrics Calculation Software Generated Luminaire Schedule

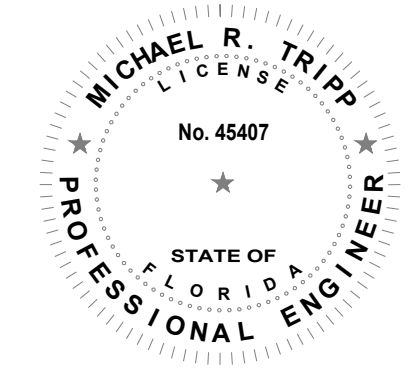
Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
	7	W	SINGLE	7201	7201	0.900	71.5	71.5

Calculation Summary

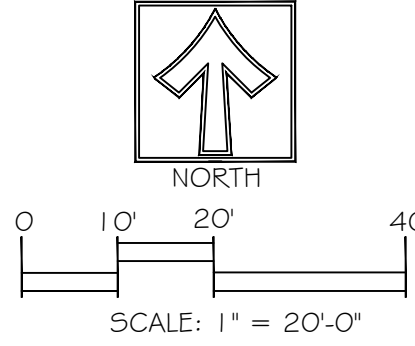
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
STAIRWELLS EAST_Floor	Illuminance	Fc	20.67	24.3	14.6	1.42	1.66
STAIRWELLS NORTH_Floor	Illuminance	Fc	15.83	19.8	10.3	1.54	1.92
STAIRWELLS EAST	Illuminance	Fc	20.09	25.3	11.0	1.83	2.30
STAIRWELLS NORTH	Illuminance	Fc	17.22	21.9	10.3	1.67	2.13

Revisions:

NAUTILUS 211
LAKE PARK, Florida



MICHAEL R. TRIPP, P.E.
LICENSE # 45407

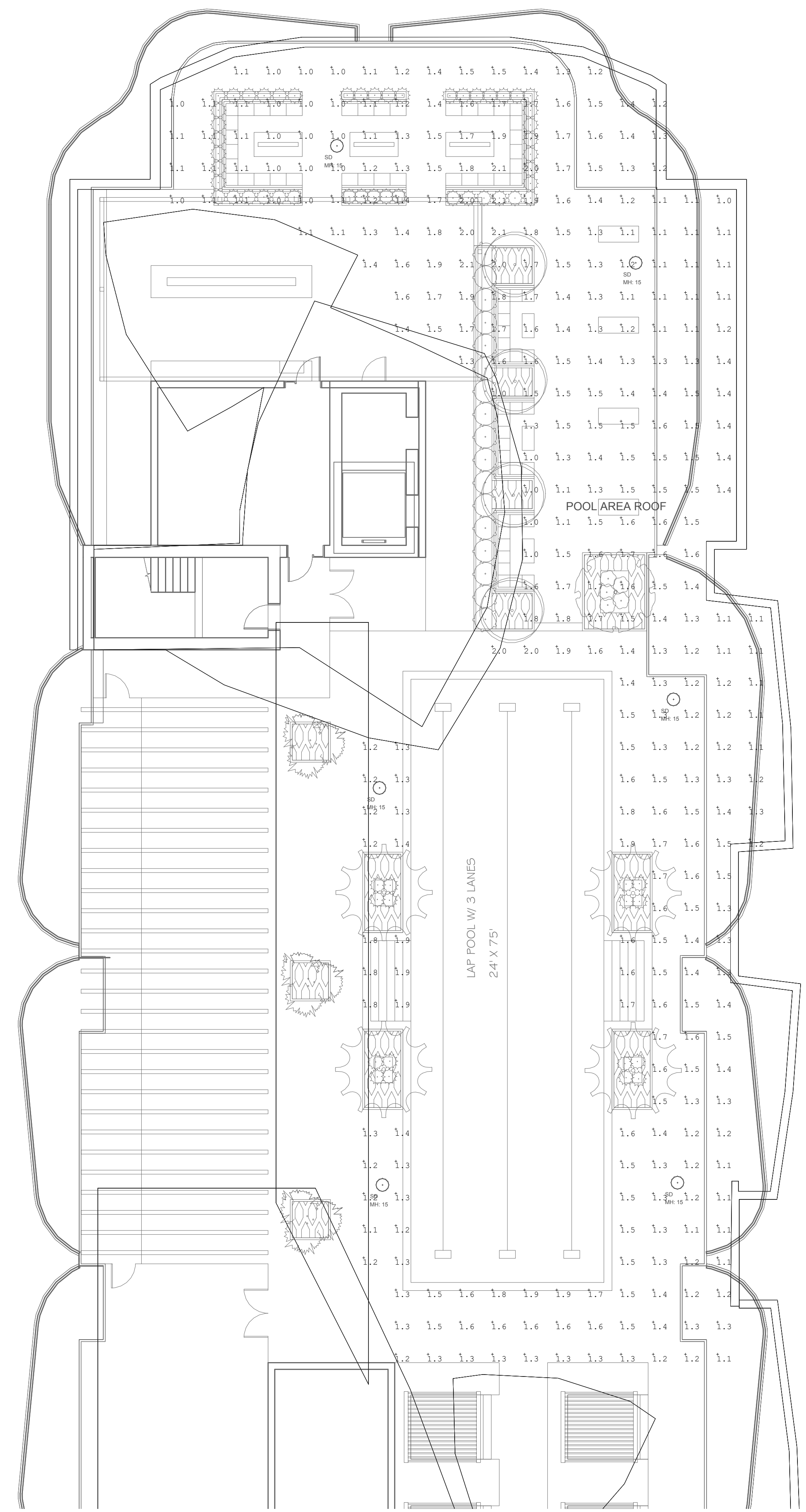


Drawn By: ET
Drawing #: 1075
Date: 10/07/2019

STAIRWELLS
PHOTOMETRIC PLAN

SHEET # L8

Revisions:



ROOF POOL AREA PHOTOMETRIC PLAN - NORMAL

NAUTILUS 211 LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG NUMBER	VOLTS	LAMPS	INPUT WATTS	MOUNTING	DIMMING (If Req)	REMARKS
GA	LED CANOPY LUMINAIRE	McGRAW-EDISON	TT-C4-LED-E1-WQ	UNV	LED	58W	SURFACE	0-10V	
GAE	LED CANOPY LUMINAIRE W/ INTEGRAL BATTERY PACK	McGRAW-EDISON	TT-C4-LED-E1-WQ-IBP	UNV	LED	58W	SURFACE	0-10V	
SA	4" LED DOWNLIGHT	PORTFOLIO	LD4B10D010 EU4B10208030 4LBM1-FINISH	UNV	LED	9.9W	RECESSED	0-10V	NOTE 1
SB	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B3-LED-D1-TS-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	86W	12" POLE	0-10V	NOTE 1, 2
SC	42" LED BOLLARD	INVUE	ABB-B2-LED-42-D1-S-FINISH	UNV	LED	32W	GROUND	0-10V	NOTE 1
SD	LED PEDESTRIAN POLE MOUNTED LUMINAIRE	INVUE	LXS-B2-LED-D1-TS-FINISH-C / ARP5M612A-FINISH-5X	UNV	LED	41W	12" POLE	0-10V	NOTE 1, 2
W	4" STRIP LED STAIRWELL LUMINAIRE	METALUX	4SWLED-72HL-LW-UNV-L840-CD1-U	UNV	LED	71.5W	9" WALL	0-10V	

FIXTURE SCHEDULE NOTES

NOTE 1: ADVISE FINISH

NOTE 2: FIXTURES MOUNTED ON 12" POLE # ARP5M612A-FINISH-5X

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS (772) 285-7169; RHUFF@LIGHTINGDYNAMICS.COM

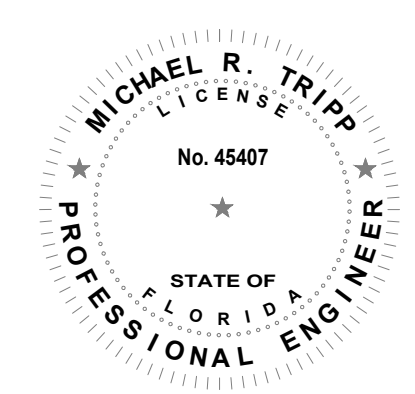
Photometrics Calculation Software Generated Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Lum. Watts	Arr. Watts
○	6	SD	SINGLE	5049	5049	0.900	41	41

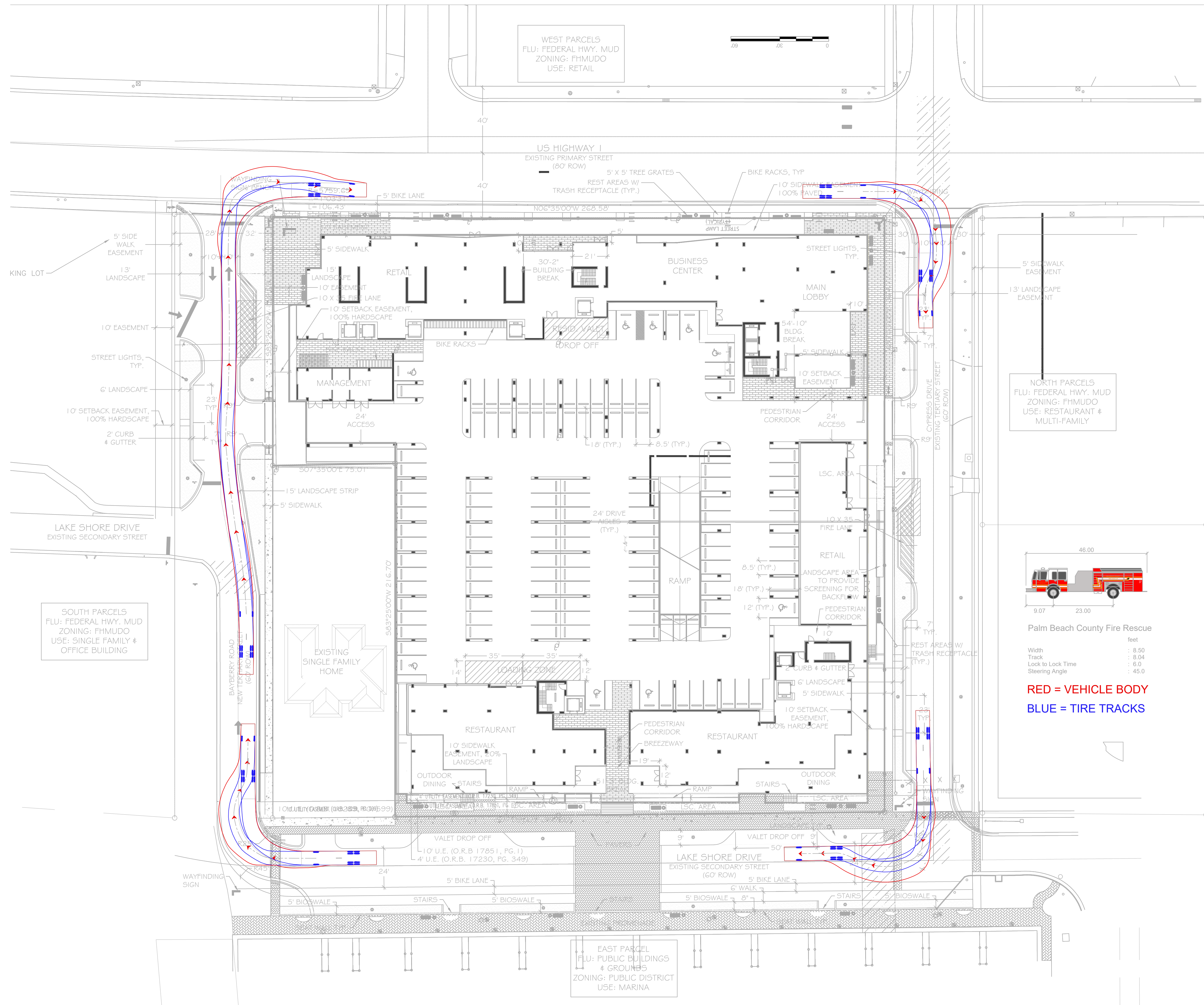
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
POOL AREA ROOF	Illuminance	Fc	1.40	2.1	1.0	1.40	2.10

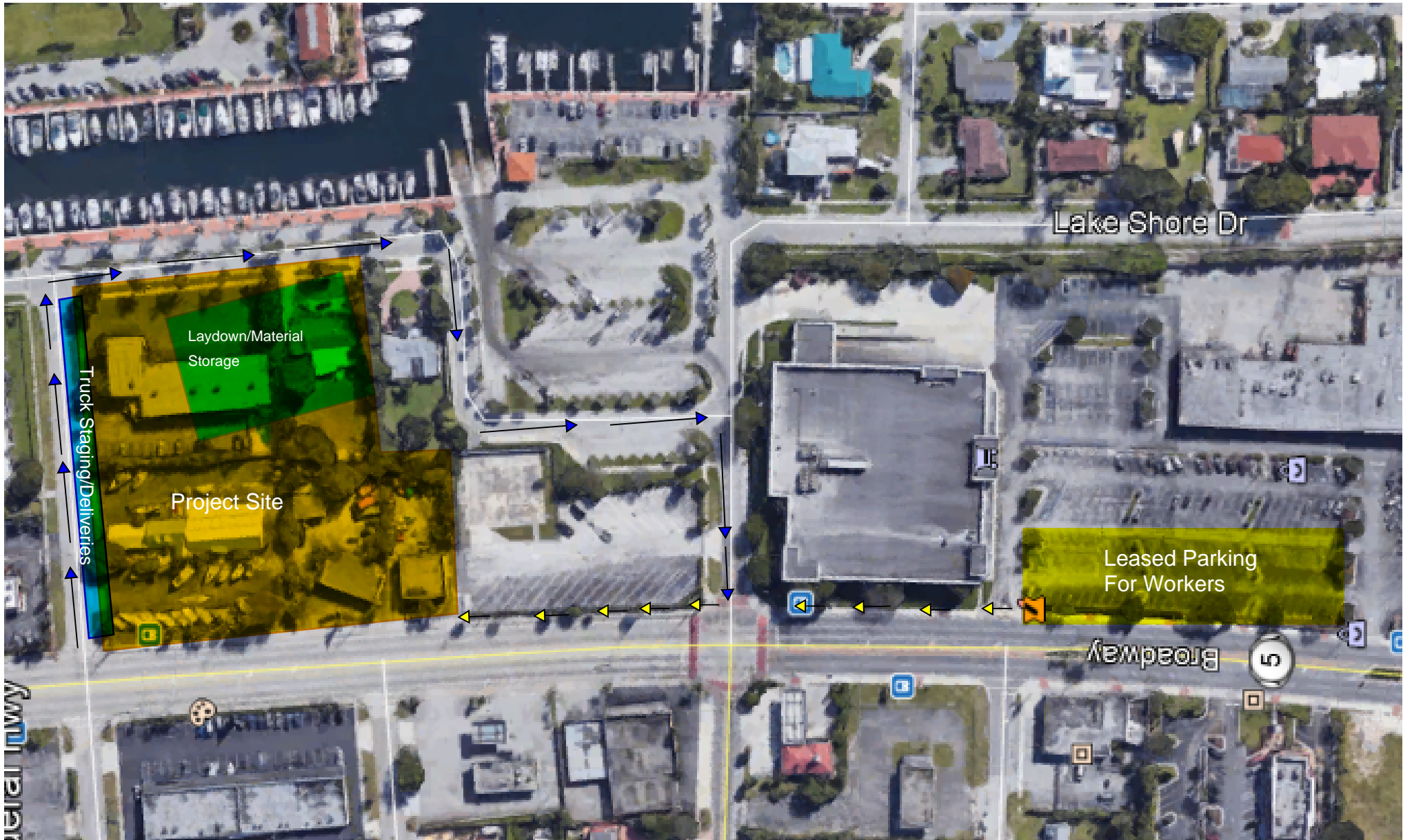
NAUTILUS 211
 LAKE PARK, Florida



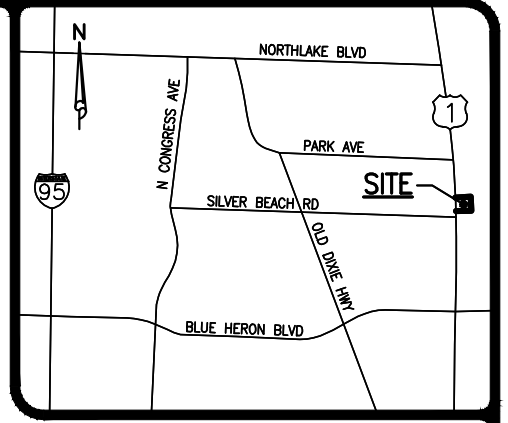
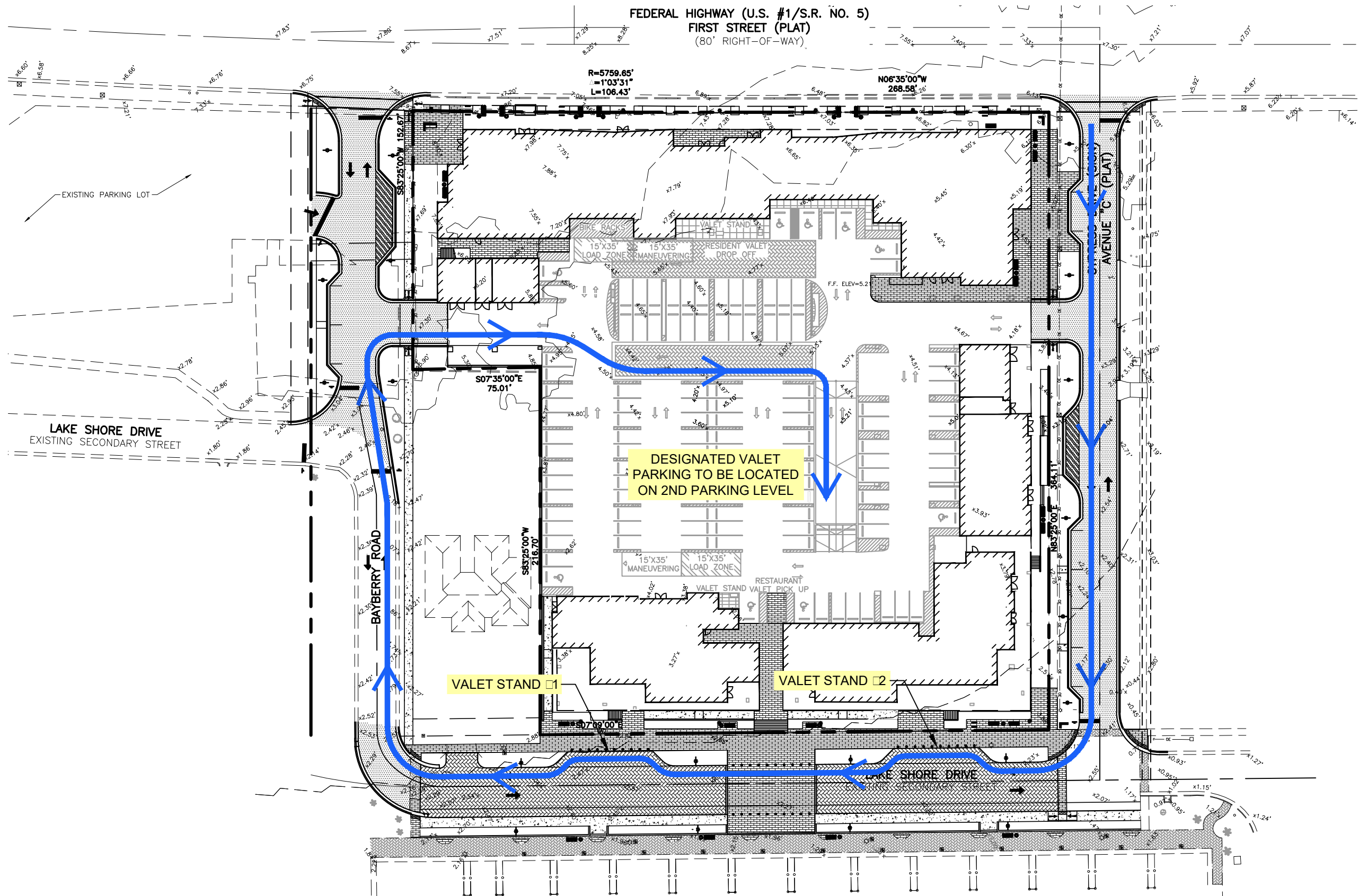
MICHAEL R. TRIPP, P.E.
 LICENSE # 45407



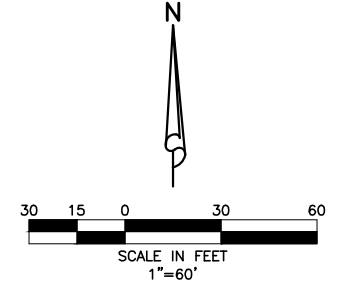
Area Logistics



- ↖ Worker Access to Site from Parking
- ↖ Construction Traffic Flow



LOCATION MAP
NOT TO SCALE



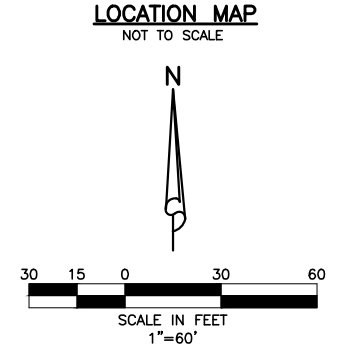
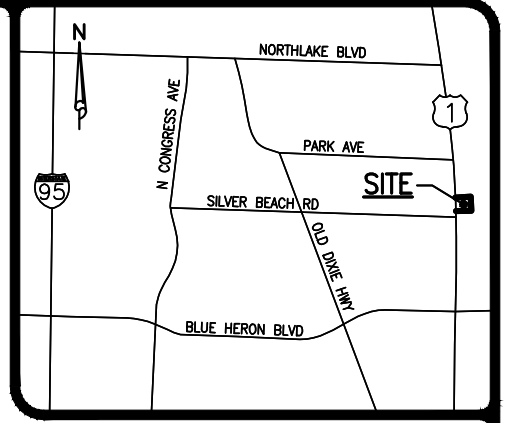
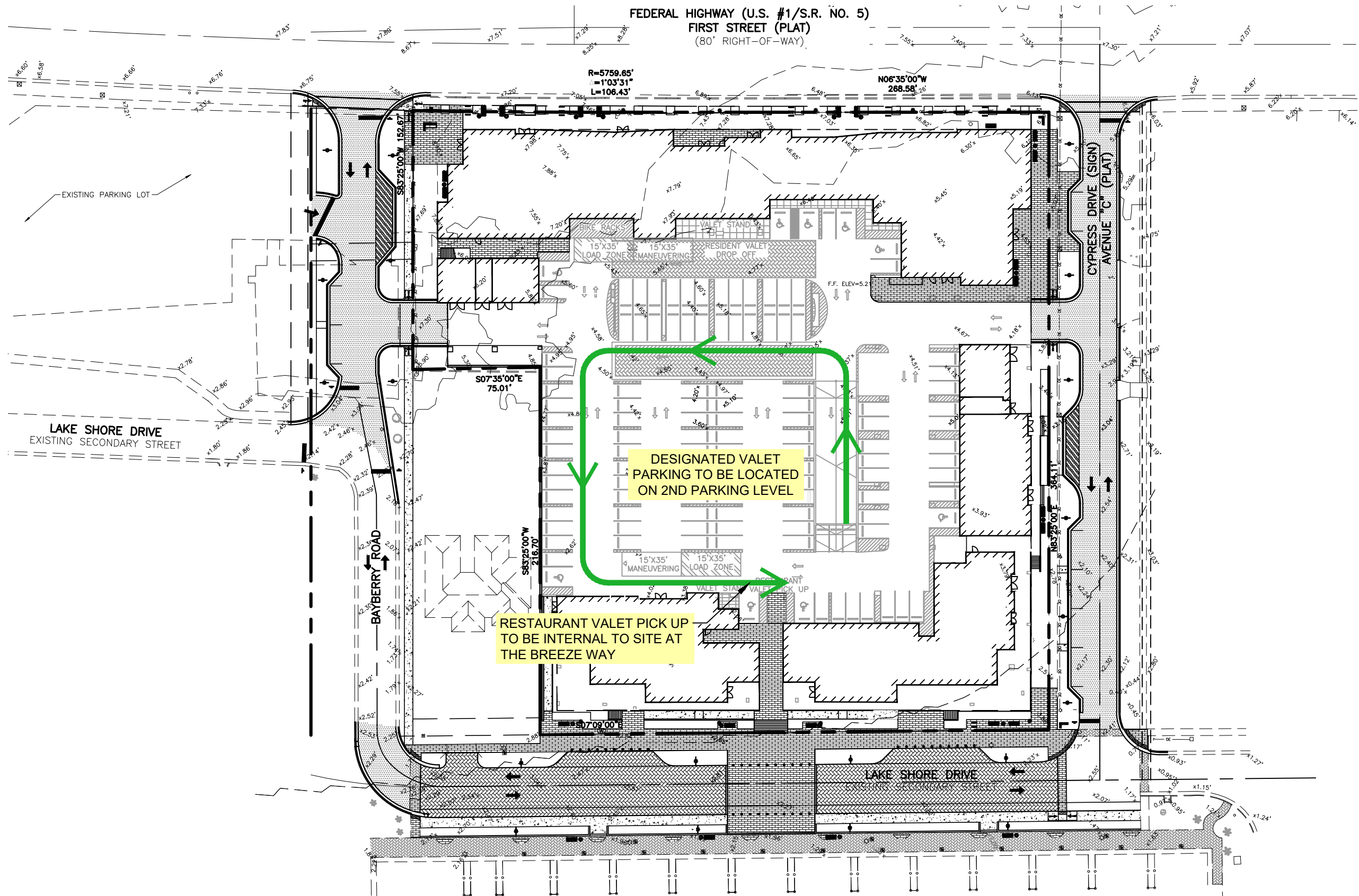
**RESTAURANT VALET
DROP OFF CIRCULATION**

12/11/2019

REVISIONS	

 <small>ENGINEERING PLANNING CONSULTING SURVEYING</small> <small>2581 Metrocenre Blvd Suite 200 West Palm Beach, Florida 33407 (561) 478-7848</small>				
DESIGN	DRAWN	CHECKED	APPROVED	DATE
B.K.	C.O.			

NAUTILUS 211 SECTION 21, TOWNSHIP 42S., RANGE 43E. TOWN OF LAKE PARK, FLORIDA RESTAURANT VALET CIRCULATION EXHIBIT			
JOB NO.	DRAWING NO.	SHEET	OF
19-038	19038Z03	1	1



**RESTAURANT VALET
PICK UP CIRCULATION**

12/11/2019

<p>ENGINEERING PLANNING CONSULTING SURVEYING 2581 Metrocentre Blvd Suite 200 West Palm Beach, Florida 33407 (561) 478-7848</p>					<p>NAUTILUS 211 SECTION 21, TOWNSHIP 42S., RANGE 43E. TOWN OF LAKE PARK, FLORIDA RESTAURANT VALET CIRCULATION EXHIBIT</p>								
					DESIGN	DRAWN	CHECKED	APPROVED	DATE	JOB NO.	DRAWING NO.	SHEET	OF
REVISIONS					B.K.	C.O.				19-038	19038Z03	1	1