

CITY of HOLLYWOOD, FLORIDA

Department of Development Services

2600 Hollywood Blvd. • Room 315 • P.O. Box 229045 • Hollywood, Florida 33022-9045 Phone (954) 921-3471 • Fax (954) 921-3347 • www.hollywoodR.org

Thomas Barnett Director

TECHNICAL ADVISORY COMMITTEE REPORT

January 17, 2017

Bryan Grosman, Esq. 1051 Northwest 3rd Street Hallandale, FL 33181

FILE NUMBER: 03-P-142c

SUBJECT: Site Plan Review for additional parking area for a previously approved Site Plan

SITE DATA

owner/Applicant: Islander Apartments, LLC Address/Location: 5515 Plunkett Street

Net Area of Property: 152,756 sq. ft. (±3.50 acres) Land Use: Medium Residential {MRES}

Zoning: Medium-High Multiple Family District (RM-18)

Existing Use of Land: Residential

ADJACENT LAND USE

North: Medium Residential (MRES)
South: Low Residential (LRES)
East: Medium Residential (MRES)
West: General Business (GBUS)

ADJACENTZONNG

North: Medium-High Multiple Family District (RM-18)

South: Single Family District (RS-6)

East: Medium-High Multiple Family District (RM-18)

West: Medium Intensity Commercial District (C-3)/Medium/High Intensity Commercial District (C-4)

APPLICANTS MUST ADDRESS ALL COMMENTS AND FINDINGS AS DENTIFIED BY MEMBERS OF THE TECHNICAL ADVISORY COMMITTEE BOTH IN WRITING (IDENTIFY PAGE NUMBER OF THE CORRECTION) AND ON THE STE PLAN (ALL CHANGES MUST BE IDENTIFIED, I.E. BUBBLED).

Our Mission: We are dedicated to providing municipal services for our diverse community in an atmosphere of cooperation, courtesy and respect.

We do this by ensuring all who live, work and play in the City of Hollywood en;oy a high quality oflife.

A. APPLICATION SUBMITTALS

Jean-Paul W. Perez, Planning Administrator 954-921-3471

- Provide a narrative justifying the need for the excessive number of parking stalls.
 The proposed parking modifications will serve the current property and will improve the current conditions of the partially developed lot
- 2. The Ownership and Encumbrance (O&E) Report shall:
 - a. Indicate that it was researched from time of platting or 1953 (earliest of the two).
 - b. Provide date of document, which shall be dated within 30 days of submittal. Current document is dated 3-26-17
 - c. Provide hard copies of any type of encumbrance abutting the property boundary necessary for legal access to the property (if none, state so).

 Refer to the owner's title of insurance schedule B-II
 - d. Provide hard copies of all recorded and unrecorded encumbrances (with O.R. or plat book(s) and page number(s) provided) lying within/on the property boundaries (i.e. easements, rights-of-way, non-vehicular access lines, etc.).

 Refer to the owner's title of insurance schedule B-II
 - e. Work with the Engineering Division to ensure the Survey is accurate and all easements and dedications are indicated.

 So noted

30 1101

- 3. Cover Sheet:
 - a. Provide a Cover Sheet.Done, refer to sheet S-1.0
 - Provide the name of the development and phase (if applicable).
 Done, refer to sheet S-1.0
 - c. Provide a Title Block which includes the development name and address, architect's name, address, telephone and/or email address, plan set date and subsequent revision dates.

Done, refer to sheet S-1.0

- d. Provide a Sheet Index table.

 Done, refer to sheet S-1.0
- e. Provide a location map.

 Done, refer to sheet S-1.0
- f. Provide a "Meeting Dates" table providing for "Preliminary TAC: 1/11/2017" and "Final TAC: TBD" and "PDB: TBD."

 Done, refer to sheet S-1.0 Final tack

4. ALTA Survey:

a. Shall provide a note which states the ALTA Survey is based on and dated after the O&E Report.

Done, refer to the attached "alta survey"

b. Annotate the centerline of the abutting right-of-way.`

Done, refer to the attached alta survey

c. Illustrate natural features such as the topography of existing and proposed contours and/or spot grades.

Done ,Refer to grading plan

d. Illustrate existing curb-cuts and driveways to surrounding properties within 100 feet. No curcuts along plunked sreet of 56th avee with in 100' of the property

5. Site Plan:

a. Provide a legend for any icons used to represent objects located on the site (e.g., light poles, fire hydrants, drains, etc.).

Done, refer to sheet S-1.0

b. Illustrate the centerline of the abutting right-Of-ways and label as such.

Done, refer to sheet S-1.0

c. Illustrate required sight triangles.

Done, refer to sheet S-1.0

d. Provide a fully dimensioned Site Plan.

Done, refer to sheet S-1.0

- e. Illustrate the adjacent properties located to the west and south of the subject property and their access points. Utilize a lighter line weight or lighter shade for said properties.

 Not done
- f. Illustrate the required turning radii as provided by Engineering and Fire herein below. Done, refer to sheet S-1.0

6. Tabular Information:

 a. Provide the Legal Description including subdivision name, plat book and page numbers, lot and block or metes and bounds, if unplatted, in the Site Data table.
 Done, refer to sheet S-1.0

b. Provide the Future Land Use designation in addition to the provided Zoning District.

Done, refer to sheet S-1.0

c. Due to the only improvement and modification to the Site Plan being the parking lot, only provide Vehicular Use Area Setbacks; as such, remove setbacks for buildings from the Site Data table. Setbacks shall be stated as required and provided.

Done, refer to sheet S-1.0

- d. Provide parking data in tabular form; stating required and provided parking and stating the parking ratio formula. Provide a breakdown of standard, accessible and guest parking stalls. Done, refer to sheet S-1.0
- e. Provide height, setback, square footage, dwelling unit calculation based on gross lot area and existing dwelling units for the apartment building, and clearly state that no modification to the existing structure is proposed.

Done, refer to sheet S-1.0

f. Provide a note stating the maximum foot-candle level at all property lines shall not exceed a maximum of 0.5 f.c. if adjacent to residential. Done, refer to sheet S-1.0

7. Zoning Information:

a. Identify the dumpster enclosure location, and provide a typical detail for the dumpster including a waste container and recycling container.

Done, refer to sheet S-1.0. dumpster is existing to remain

b. Provide typical details for regulatory signage and pavement markings demonstrating compliance with the Manual of Uniform Traffic control Devices.

Done, refer to sheet S-1.0

dentify Type D and F curbs as well as providing a typical detail of same.
 Done, refer to sheet S-1.0

d. Identify method of mail delivery for the site, whether existing or proposed.
 Mail kiosk located north og the dumpster

e. Identify the location of existing and proposed fire hydrants or the closest off-site locations.

Done, refer to sheet S-1.0

f. Provide the open space calculations (pervious to impervious ratio) in square feet and percentages.

Done, refer to sheet S-1.0

g. Provide the Vehicular Use Area in square feet; the total impervious area of same in square feet and percentages and the total pervious area of same in square feet and percentages.

Done, refer to sheet S-1.0

8. General Application:

- a. Must be completed to the best of the Applicant or their Representative's ability.
- b. Data provided on same shall be consistent with the Site Plan.

 Done
- Provide an original General Application. A copy shall not be accepted with submittal packages for Final TAC Review.
 Done
- d. Power of Attorney portion completed; however, no Representative was affirmed by signature on Page 2 of the form.
- Provide Articles of Incorporation for Islander Apartments, LLC and Tropicana Investors, Inc. in future submittals.
- 10. Staff encourages Applicant to meet with surrounding homeowner's associations prior to submitting for any Board. Provide update with next submittal.

Not Done, mailings to owners will be issued directly by the Owner

11. Provide written responses to all comments with next submittal.

Done, here attached

B. ZONING

Jean-Paul W. Perez, Planning Administrator 954-921-3471

- 1. Pursuant to Article 9 of the City's Zoning and Land Development Regulations, entitled "Vehicular Use Area Landscaping:
 - a. Terminal islands must contain 190 sq. ft. of pervious area and shall measure the same length as the adjacent parking stall.

Done, refer to sheet S-1.0

- b. Terminal islands shall have a one tree as spe; staff recommends canopy trees. Done, refer to sheet L1.1, L1.2
- c. 25% of the Vehicular Use Area shall be landscaped (values shall be validated in tabular form in the Site Data table as requested herein above).

Done, refer to sheet L1.1, L1.2

d. Water conservation methods as provided by the South Florida Water Management District shall be implemented on the landscape plan.

The irrigation shall be design as per Xerriscape principles as outlined in the land development code as note in the landscape drawings . refer to L1.2

- Work with City Landscape Architect to ensure adequate landscaping is provided in accordance with the City's Landscape Specifications Manual and his professional recommendations.
 Done, refer to sheet L1.1, L1.2
- Work with City Landscape Architect regarding 'right tree, right place' for street trees under overhead powerlines along Southwest 56th Avenue.
 Done, refer to sheet L1.1, L1.2
- Indicate location of all existing mechanical equipment. Mechanical equipment shall be screened from the right-of-way and are not allowed in front yard.
 No mechanical equipment is proposed under this phase of work
- 5. Project is required to install electric vehicle charging station infrastructure, please see Ordinance 0-2016-02.

Not addressed

C. DESIGN

Jean-Paul W. Perez, Planning Administrator 954-921-3471

- 1. Break up the long wall with low plant material between the back of sidewalk along South 56th Avenue and the perimeter wall. Note this area is primarily a 5 foot utility easement, so plants with small root systems would be preferable to not disturb any lines located in the easement.

 Done, refer to sheet L1.1, L1.2
- 2. For the parking lot, consider using material with high albedo to limit absorption of sunlight and reduce urban heat island effect or consider using <u>permeable paving</u> material which reduces runoff and increases water penetration.
 - Under consideration. Will provide alternates to be considered during the bidding process
- 3. Utilize street trees to discourage parking and the bading of vehicles in the swale along the east side of South 56th Avenue.

Done, refer to sheet L1.1, L1.2

4. Provide manufacturer details on light poles and luminaire including cross sections with height, details on type of bulb and reflector.

The proposed new lighting will match the existing parking lighting and will provide degrees of illumination with a cot of o .5 f.c. at the property line

Terrence Comiskey AIA, Engineering Support Services Manager, 954-921-3900

1. Sheet S-10: What warrants the need for an additional 97 parking spaces, and how will they be utilized?

The proposed parking modifications will serve the current property and will improve the current conditions of the **partially** developed lot

No Landscape Plans were included for review.

Done, refer to sheet L1.1, L1.2

D. LANDSCAPING

Dale Bryant, Landscape Architect 954-921-3997

1. Provide existing tree and palm information including species, estimated height and canopy/crown spread, caliper diameter of trunks, overall condition, and proposed action on a Tree Disposition Plan.

Done, refer to sheet L1.1, L1.2

2. For any trees to be removed, provide mitigation requirements on the Landscape Plan, and how they are being met. Include a tabular data chart defining applicable requirements, and demonstrate on the Landscape Plans how they are being met.

No trees are currently proposed to be removed

3. A City of Hollywood Tree Removal/Relocation Permit will be required for any existing tree removal or relocation.

No trees are currently proposed to be removed

4. Submit Landscape Plans signed and sealed by a Landscape Architect registered in the State of Florida. Landscape Plans will follow City of Hollywood's Zoning and Land Development Regulations' requirements. Florida Statute requirements in regard to Florida Friendly Landscaping, Xeriscape principles and other requirements and standards listed in the landscape manual.

Done, refer to sheet L1.1, L1.2

5. Landscape Plans should responsibly maximize shade on the expanded site and should also serve to buffer site uses and design from adjacent developments. When creating pervious spaces with structures and hardscape on the Site Plan, keep these needs in mind to reduce the number of future revisions and submittals.

Done, refer to sheet L1.1, L1.2

- Provide an irrigation plan or expansion plan at time of Building Permit.So noted
- 7. Additional comments may be forthcoming.

E. SIGNAGE

Jean-Paul W. Perez, Planning Administrator 954-921-3471

1. Not applicable.

F. LIGHTING

Jean-Paul W. Perez, Planning Administrator 954-921-3471

1. Not applicable.

G. **GREENBUILDING**

Jean-Paul W. Perez, Planning Administrator 954-921-3471

1. Not applicable.

H. ENVIRONMENTAL SUSTAINABILITY

Lindsey Nieratka, Environmental Sustainability Coordinator 954-921-3201

1. No comments received.

I. UTILITIES

James Rusnak, Engineer 954-921-3302 Wilford Zephyr, Engineer 954-924-2985

1. Provide civil plans for paving, grading and drainage.

J. BUILDING

Philip Sauer, Chief Building Official 954-921-3025

1. Application is substantially compliant.

K. ENGINEERING

Luis Lopez, City Engineer 954-921-3251 Clarissa Ip, Engineering Support Services Manager 954-921-3915

1. What is in the area labeled as "Partially Developed" in the area adjacent to Building A? Please indicate on plans.

Prior to the present Ownership the infrastructure for sewer, drainage and partial foundations for 2 additional buildings were built to some degree . all of which will be coordinated during the permit building process. Besides the parking lot expansion no additional building is being considered at this point

2. Indicate the vehicle stacking spaces provided at the gated entrance off of Plunkett Street. Use stacking area of 8.5-feet by 19-feet per space.

Refer to S-1.0 6 spaces indicated

 Shift landscape island/parking drive aisle to the south to eliminate skewed intersecting drive aisle condition in the parking bt. See attached memorandum (File No. EN17-047).
 Done, refer to sheet S-1.0

4. Eliminate stop control located in the path of vehicular back out and consider Keep! Left signage on

the landscape area. See attached memorandum (File No. EN17-047).

Done, refer to sheet S-1.0

Are there additional apartment units under this application? Not at this time

6. Show the existing concrete sidewalk along Southwest 56th Avenue on plans; be sure to include width and material.

Done, refer to sheet S-1.0

7. Label curbing on plan and indicate the type of curbing to be used.

Done, refer to sheet S-1.0 "D" type

8. Extend curbing around the apron radii of the proposed exit only drive.

9. Provide off-street loading space, minimum 10-feet wide by 25-feet length with 14-feet vertical clearance.

Done, refer to sheet S-1.0 off-street parking is existing to remain

All outside agency permits must be obtained prior to issuance of a Building Permit.
 So noted

L. FIRE

Janet A. Washburn, Fire Marshal/Division Chief 954-921-3263

1. The review is limited to water supply and Fire Department access.

So noted

2. A hydrant flow test is required to determine the needed fire flow for the building for firefighting purposes. Contact underground utilities at 954-921-3046 to arrange the test. Once the test is completed, the civil engineer should evaluate the test and show on the plan the minimum fire flow requirements have been met per NFPA 1, 18.4.5. Include on civil drawings the locations of all existing and new fire hydrants (if required).

Not required as per conversation with the fire marshall

3. The T turnaround must be able to accommodate the length of our fire engines per NFPA 1, 18.2.3.4.4. It appears a T turnaround may be on the Site Plan, but no dimensions are given to show if our engines can turnaround. Turning radii are 28.5-inches interior, 38-inches centerline of the turning radius, and 45-feet exterior.

Done, refer to sheet S-1.0

4. The current vehicular exit access is too narrow and does not meet the minimum 20-feet width requirement per NFPA 18.2.3.4.1.1.

Done, refer to sheet S-1.0

M. COMMUNITY DEVELOPMENT

Clay Milan, Community Development Manager 954-921-3271

1. Is further development of residential units planned?

Not at this time

2. Is the 56th Avenue exit gated?

Yes

3. Show lighting and landscaping plans.

18' light post indicated on Sheet S-1.0 . landscape drawinfs L1.1 and L1.2 were added to this submittal

4. Suggest meeting with Washington Park Homeowners Association.

N. ECONOMIC DEVELOPMENT

Brian Rademacher, Corridor Redevelopment Manager 954-924-2922

1. Application is substantially compliant.

0. PARKS. RECREATION AND CULTURAL ARTS

Eric Brown, Recreation Supervisor 954-921-3404 David Vazquez, Assistant Director 954-921-3404

1. Application is substantially compliant.

P. POLICE DEPARTMENT

Tracey Thomas, Police 954-967-4549

Doreen Avitabile, Crime Prevention Specialist 954-967-4371

- 1. <u>ISSUE:</u> Crime Prevention Through Environmental Design Blueprint Review/Recommendations.
- 2. **EXPLANATION:** The following recommendations were developed during the Crime Prevention Through Environmental Design review of the blueprints for **"5515 Plunkett Street Apartments. Street. Hollowood. Florida".**
- 3. **RECOMMENDATION:** ***Note: Application is substantially compliant.
- 4. Note: Crime Prevention Recommendations: The following are the reviews and recommendations for the CPTED review of the blueprints for "5515 Plunkett Street Apartments. Street. Hollywood. Florida".
 - 5. <u>Note:</u> Blueprint Crime Prevention Observations/Recommendations per ACPI (American Crime Prevention Institute) reference the addressed premises.

6. **CPTEDStrategies**

 Per the blueprints, clear border definition of controlled space is defined by the described landscaping. Examples of border definition may include fences, shrubbery of signs in exterior areas.

7. External Lighting

- a. Parking lots, vehicle roadways, pedestrian walkways and building entryways should have "adequate" levels of illumination. The American Crime Prevention Institute recommends the following levels of external illumination:
 - i. -Parking Lots 3-5 foot candels
 - ii. -Walking Surfaces 3 f.c.
 - iii. -Recreational Areas 2-3 f.c.
 - iv. -Building Entryways 5 f.c.

So noted

- b. These levels may be subject to reduction in specific circumstances where after hours use is restricted.
- c. The lighting fixture identification system should enable anyone to easily report a malfunctioning fixture.

So noted

- d. Exterior lighting should be controlled by automatic devices (preferably by photocell). So noted and specified in the construction drawigs
- e. Exterior lighting fixture lenses should be fabricated from polycarbonate, break-resistant materials.

So noted

f. Plant materials, particularly tree foliage, should not interfere with or obscure exterior lighting.

So noted

g. Light fixtures below 10' in grade should be designed to make access to internal parts difficult (i.e. security screws, locked access panels).

Proposed lighting post are 18' above grade to match existing

8. Building!sl Perimeter Doors

a. Exterior doors not used as designated entry points, should be locked to prevent entry from the exterior.

No modifications to the existing buildings are proposed under this permit

b. Ideally, exterior doors should be equipped with electronic propped door alarms, which annunciate either locally and/or at the security office.
 No modifications to the existing buildings are proposed under this permit

c. Internal Circulation and Control

i. There should not be recessed areas in corridors that could be used for hiding or loitering.

No modifications to the existing buildings are proposed under this permit

ii. Areas under stairwells should be enclosed.
 No modifications to the existing buildings are proposed under this permit

d. Corridors

i. Corridors should be well-lighted with no dark areas.

No modifications to the existing buildings are proposed under this permit

ii. Increased light, reflective paint colors, and graphics on hallway wall surfaces should be used to increase the perception of openness and constant movement.

No modifications to the existing buildings are proposed under this permit

e. Fencing

i. (If used) Wrought iron fencing provides for natural surveillance within and onto the property. Ex. Parking lot and to establish a defined border definition of the entire property.

The proposed entry gate shall be alum. Pickets, the balance of the existing privacy wall is solid masonry

f. Non-Pedestrian Building Entry Points

- i. Sturdy fencing should enclose locations where gas and electric utilities enter buildings.
- ii. Locations where gas and electric utilities enter buildings should be well lighted.
- iii. Electrical service disconnects and gas valves should be equipped with locking devices.

Items $\,$ i, ii, & iii : Recommendations are noted , the scope of work however are restricyed to the expansion of the parking lot

g. Signage

- i. Please make sure areas of the premises are identified with proper signage.
- 9. Observed in Blueprints, Metal Fencing, Pavers, which are good examples of border definition & (97) additional parking spaces, "Do Not Enter Sign" (proposed exit only signage), which are good examples of signage.
- 10. The purpose of the review is to provide security recommendations. This review is only advisory and is not intended to identify all security weaknesses or to warrant the adequacy of all present and future security measures whether or not recommended.

O. PUBLIC WORKS

Charles Lassiter, Environmental Services Supervisor 954-967-4207 Karen Arndt, Assistant Director 954-967-4264

1. No comments received.

R. DOWNTOWN AND BEACH CRA

Jorge Camejo, Executive Director 954-924-2980 Susan Goldberg, Deputy Director 954-924-2980

1. Not applicable.

S. PARKING

Harold King, Parking Administrator 954-921-3535

1. No comments received.

T. ADDITIONAL COMMENTS

Jean-Paul W. Perez, Planning Administrator 954-921-3471

1. None at this time.

The Technical Advisory Committee does not find this application substantially compliant with all applicable regulations, therefore the Applicant must resubmit for TAC review.

Please be advised, in the future any additional review by the TAC may result in the payment of additional reviewfees.

If these comments have not been addressed within 120 days of this dated report the application will expire. As a result, a new application and fee will be required for additional review by the TAC.

Note that any use proposed for the site shall be consistent with Zoning and Land Development Regulations.

Should you have any questions, please do not hesitate to contact your Project Planner at 954-921-

3471.

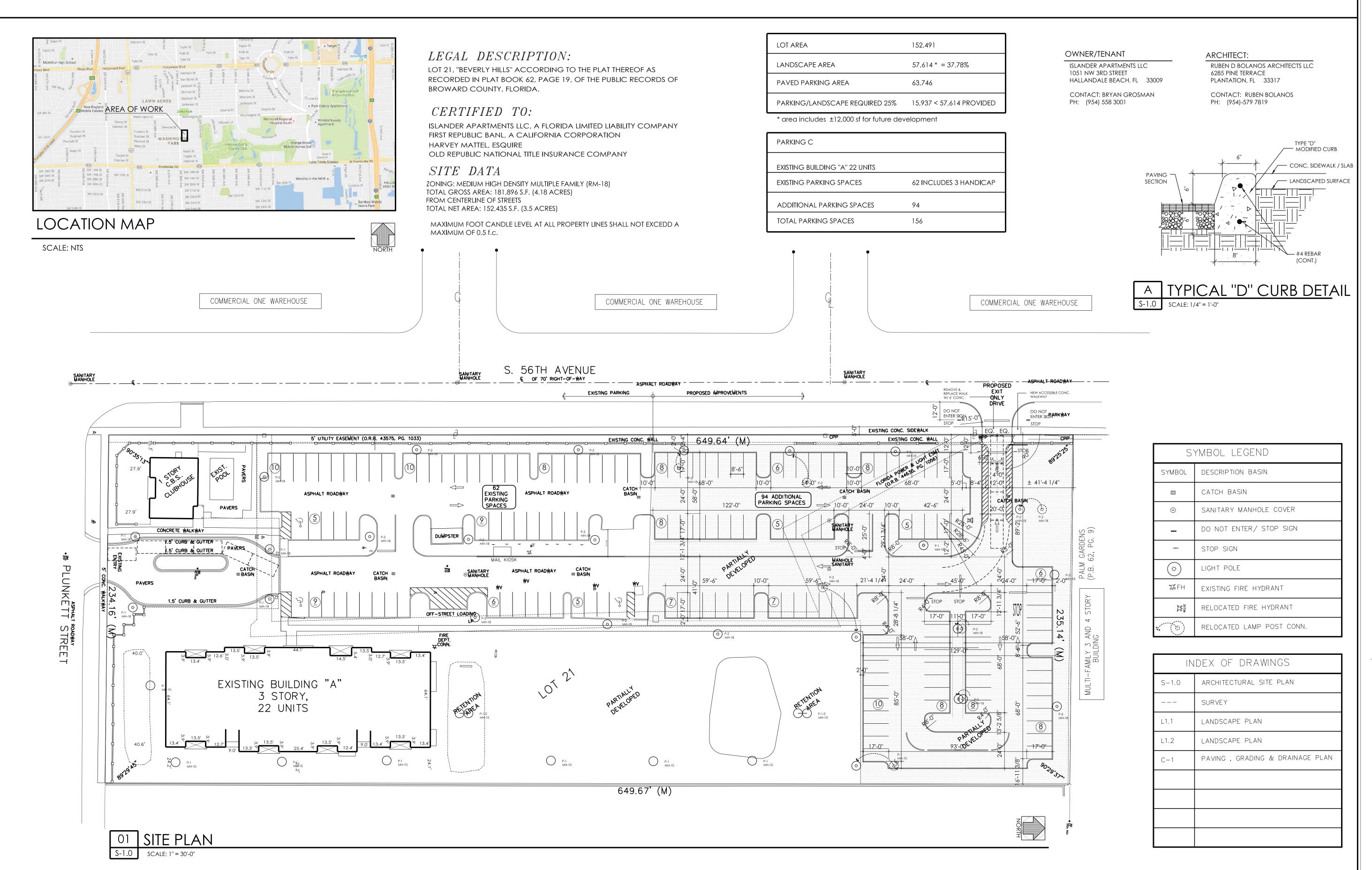
Sincerely,

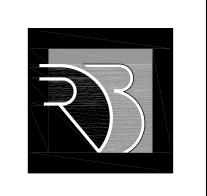
Alexan Carcamo Principal Planner

PARKING EXPANSION FOR THE

PLUNKETT STREET APARTMENTS

5515 PLUNKETT STREET, HOLLYWOOD, FLORIDA 33021

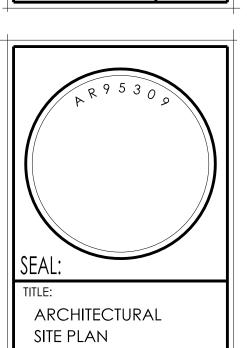




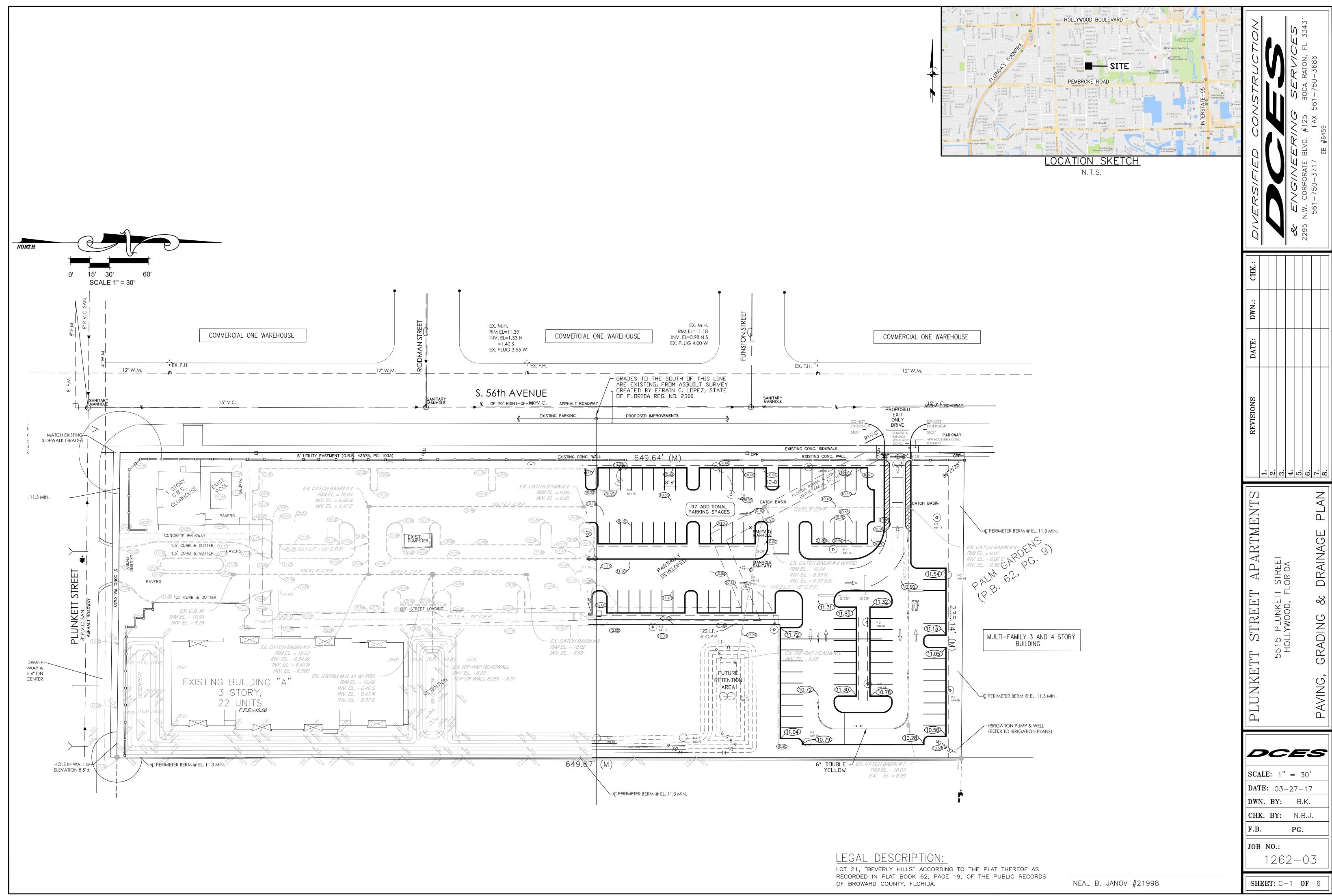
ARCHITECT AR95309 RDBARCHITECT@GMAIL.COM

DATE	DESCRIPTION	ВҮ
06-27-16	CLIENT REVIEW	RB
07-13-16	ZONING PRELIM.	RB
08-11-16	ZONING MEET'G	RB
12-05-16	TAC MEET'G	RB
03-09-17	CIVIL REV.	RB
03-30-17	FINAL TAC	RB
	07-13-16 08-11-16 12-05-16 03-09-17	DATE DESCRIPTION 06-27-16 CLIENT REVIEW 07-13-16 ZONING PRELIM. 08-11-16 ZONING MEET'G 12-05-16 TAC MEET'G 03-09-17 CIVIL REV. 03-30-17 FINAL TAC

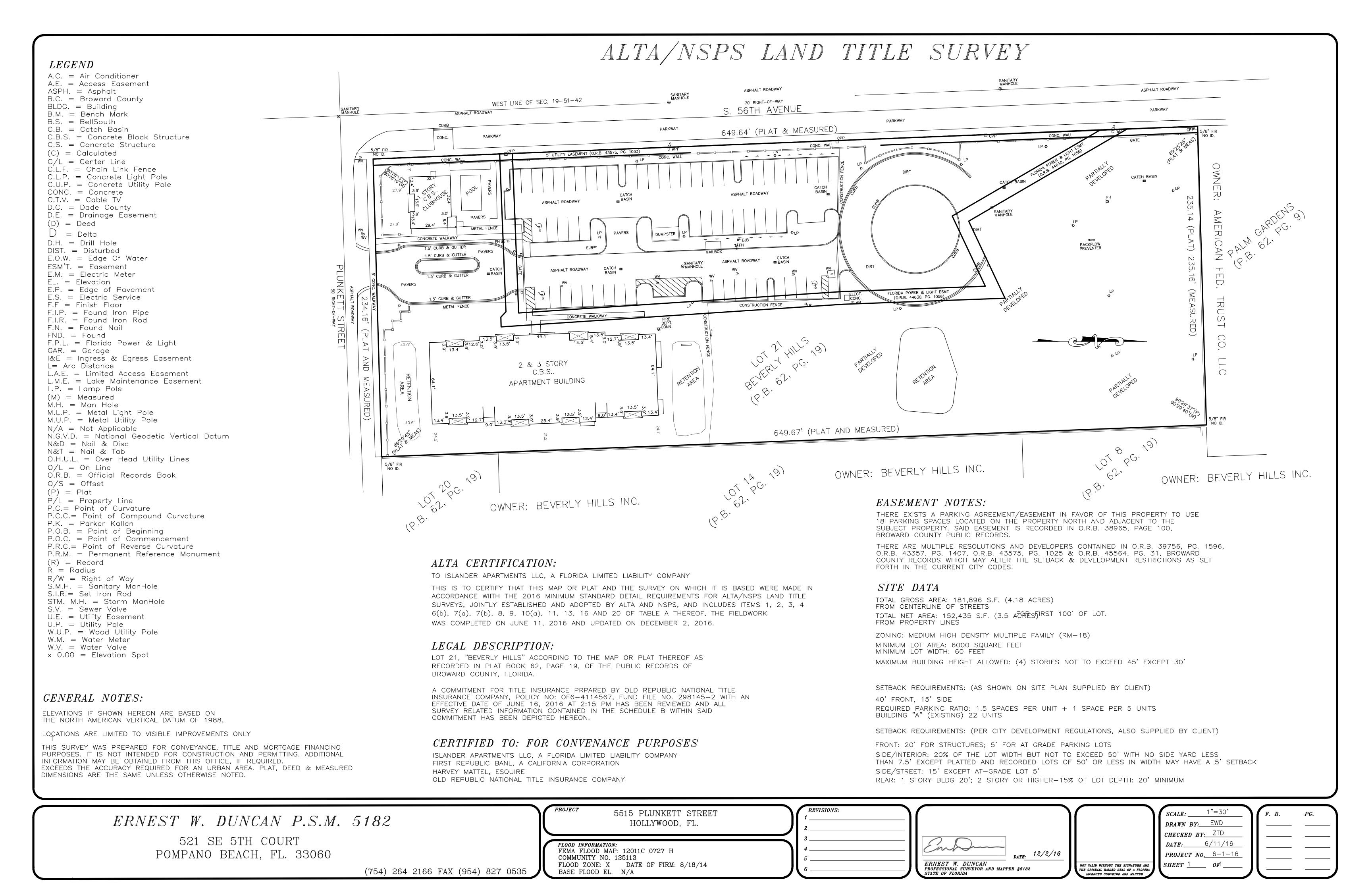
APPEARING HEREIN, CONSTITUTE THE UNPUBLISHED WORK AND PROPERTY OF RUBEN D. BOLAÑOS ARCHITECT, AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN

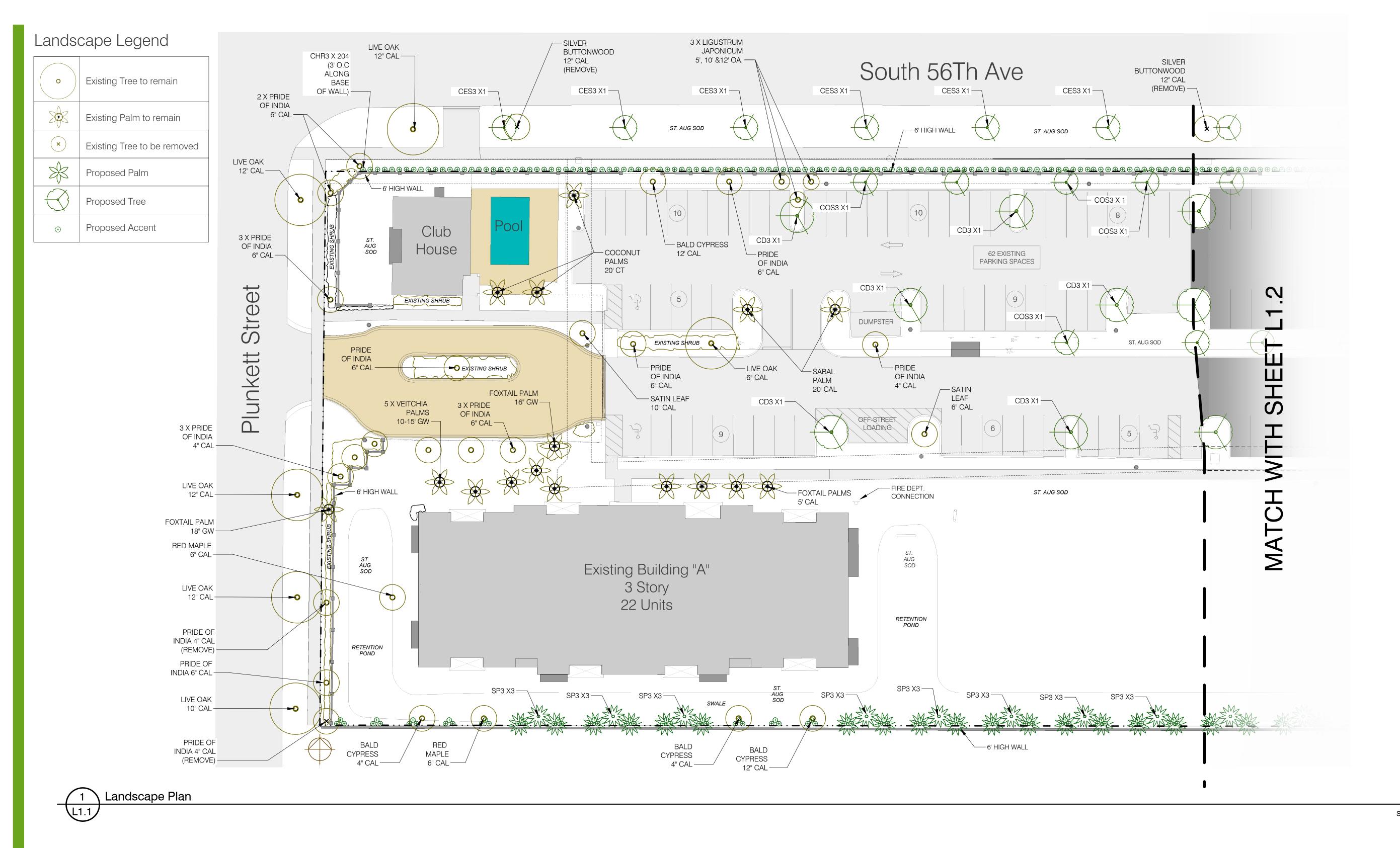


05-18-1 R.D.B. R.D.B.



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Site Area Calculations

	SFT	AC	%
NET LOT AREA	152,436	3.50	
BUILDING AREA	13,374	0.31	8.77
CONCRETE WALKS, SLABS AND PAVER DECK	3,851	0.09	2.53
VEHICULAR USE AREA	62,234	1.43	40.83
PERVIOUS AREA	72,977	1.68	47.87

Landscape Code Requirements

APPLICATION	REQUIRED	PROVIDED
	72,977	
25% OF V.U.A LAN	15,55	59 >15,559 SFT
(62,234 SFT X 25%		
ONE (1) PER TERM	2	26 2 (EXISTING) + 24 (PROVIDED)
ONE (1) PER 1,000	S 7	73 27 (EXISTING) + 45 (PROVIDED)
ONE (1) PER 10 LF	BARRIER	
WESTERN BARRIEF	6	63 240 (PROVIDED)
SOUTHERN BARRIE	2	20+ (EXISTING)
EASTERN BARRIER	6	65 129 (PROVIDED)
NORTHERN BARRI	2	23 76 (PROVIDED)
ONE (1) PER 50 LF	ONTAGE	
WESTERN FRONTA	12.6	62 1 (EXISTING) + 12 (PROVIDED)
SOUTHERN FRONT	3.8	88 4 EXISTING
60% OF ALL REQUI		
(116 X 60%)	7	70 70+ (ALL PROPOSED TREES ARE NATIVE)
50% OF ALL REQU	C. GC)	
(171 X 50%)	8	86 86+ (ALL PROPOSED SHRUBS ARE NATIVE)
50% OF ALL REQU	C. GC)	

Plant Quantities and Specifications

Description	Call-out	Item Name	Unit	Specification	QTY
'				'	
TREES					
	CD3	Coccoloba diversifolia - Pigeon plum	45 gal	12-14' oa 5-6' sprd	29
	CES3	Conucarpus erectus 'sericea' - Silver Buttonwood	45 gal	12-14' oa 5-6' sprd	12
	COS3	Cordia sebestena - Geiger tree	45 gal	10-12' oa 4-5' sprd	26
	QV3	Quercus virginiana - Live Oak	65 gal	12-14' ht min 2.5" cal	5
PALMS				+	
	SP3	Sabal palmetto - Sabal palm	fg	bb 12-16' ct. booted	39
SHRUBS					
	CHR3	Chrysobalanus icaco - Coco Plum hedge	3 gal	20" oa min ht full rootball	204
	НАМ3	Hamelia patens - Fire bush	3 gal	full rootball	76
	TRD3	Tripsacum dactyloides - Fakahatchee grass	3 gal	10" min oa spread full rootball	129



5030 Champion Boulevard Suite G11-203 Boca Raton FL 33496 561-257-0990 www.KGLADESIGN.COM



UNKETT STREE APARTMENTS

Date Created: March 10, 2017

Document Phase:

CITY APPROVAL

	date	remark
	3/30/1	TAC SUBMITTAL

Landscape Plan

L1.1

Landscape Legend

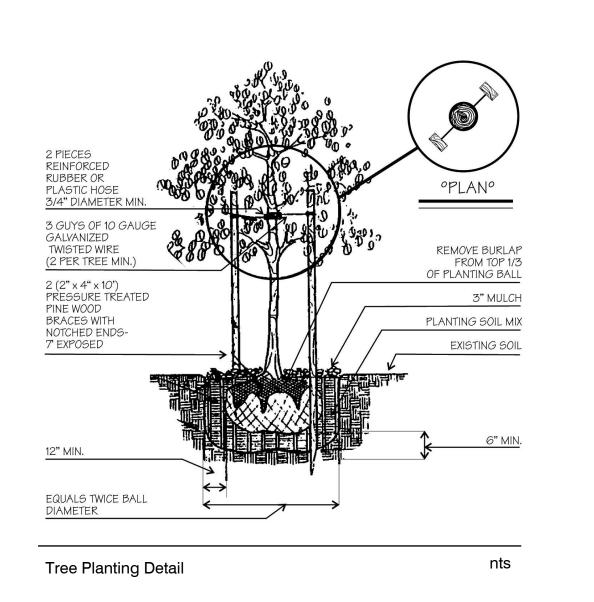


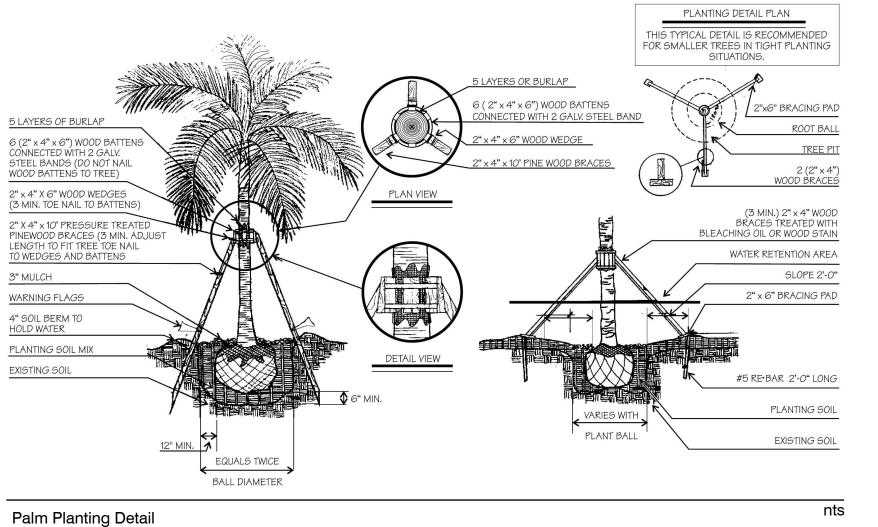




General Notes

- 1. All existing trees to remain and all relocated plant material shall be protected from damage or injury and shall be barricaded or otherwise suitably flagged and protected from damage.
- 2. The Contractor shall be responsible for verifying all underground utilities prior to digging in any area. The Contractor shall notify all necessary utility companies 48 hours minimum prior to digging for verification of all underground utilities, irrigation and all other obstructions and coordinate with Owner's Representative prior to initiating operations. Drawings are prepared according to the best information available at the time of preparing these documents.
- 3. All plant material is to be Florida Number 1 or better according to the latest version of the Florida Department of Agriculture's Grades and Standards for Nursery Plants.
- 4. Sod is to be grade "A" weed free. All sodded areas are to be provided with St. Augustine "Floratam" solid sod. All sod is to be laid level, tight, and even along planting beds.
- 5. All plants are to be top dressed with a minimum 2" layer of Eucalyptus mulch or equal.
- 6. All landscape areas are to be provided with automatic sprinkler system which provide 100% coverage, and 50% overlap. The irrigation shall be designed with Xeriscape principals as outlined in the Land Development code.





REMOVE BURLAP FROM TOP 1/3 OF PLANTING BALL

3' MULCH

4" SOIL BERM TO HOLD WATER

12" MIN. DEPTH OF PLANTING SOIL FOR GROUND COVER BED

BACKFILL W/ PLANTING SOIL MIX

6" MIN. POR PLANTS UP TO 4' HT. MIN. FOR PLANTS

OVER 4' HT. INCREASE
BALL DIAMETER

Shrub and Groundcover Planting Detail



5030 Champion Boulevard Suite G11-203 Boca Raton FL 33496 561-257-0990 www.KGLADESIGN.COM



UNKETT STREE

Date Created:

March 10, 2017 **Document Phase:**

CITY APPROVAL

date	remark
3/30/1	TAC SUBMITTAL

Landscape Plan

L1.2

FIXTURE TYPE:

MOZART SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING

One piece unitized precise heavy wall cast aluminum construction comprised of low copper (< 0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. Driver/wiring access through top of Mounting Hub. Hub accommodates a 2½" x 3" tenon. All exposed hardware is stainless steel.

VLED OPTICAL MODULE

Low copper A356 alloy (< 0.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Reflector-Prism injection molded from H12 acrylic. Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates a Reflector-Prism over each emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

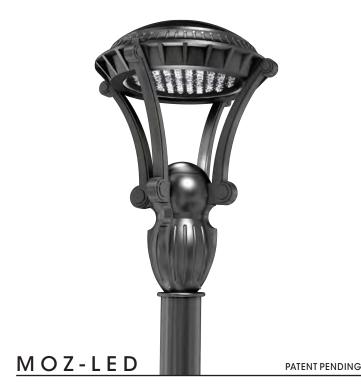
High output LED's are utilized with drive currents ranging from 350mA to 700mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

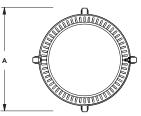
LED DRIVER

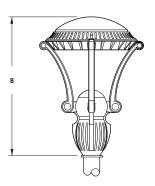
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277, 50/60hz, or 347-480V 50/60hz and utilizes 0-10v dimming. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.







Fitter supplied to fit over 2 7/8" X 3" (73mm X 76mm) tennon.

FIXTURE	Α	В
MOZ	26" 660mm	34.5 " 876mm
MOZM	20" 508mm	26.5" 673mm





2016235



MOZART SERIES - LED

Ν \bigcirc \mathbf{C} **WALL MOUNT VLED** MODULES **ARM STYLES** • 16" (406mm) XAC 120 LED Module - I - 3" I.D. **47"** (1194mm) **MOZ-LED** E.P.A. = 2.30Available in: 120 LED Max. XAZ-UP 30" → | → 3" I.D. ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION. 80 LED Module (XBW-WM SHOWN) **MOZM-LED** E.P.A.=1.49 Available in: 80 LED Max. - 16" -.50" DIA. (13mm) (4) HOLES MAX INPUT WATTS/ HID EQUIVALENTS **XAT** APPROX. LUMENS -4,000 DRIVE CURRENT SYSTEM WATTS # OF LED's HID EQUIV 30" **WALL PLATE** (762mm) 55 79 109 70 - 100w 4,501 48 350mA 100w 150 - 175w 6,214 7,823 525mA 16" (406mm) 13.75" 700mA 64 350mA 525mA 700mA 70 108 134 100w 150 – 175w 175 – 200w 5,577 7,825 10,166 −3" I.D. 80 7,292 10,219 350mA 525mA 85 130 150w 175 – 200w 5.75" ARMS ARE HEAVY WALL EXTRUDED AND CAST 100 350mA 175w 9,061

Spec/Order Example: MOZ-LED/VLED-III/64LED-700mA/NW/277/PT/RAL-9003-S/HS-VLED

109

130

200 - 250w

10,873

350mA

S P I	E C / O	R D	E R I	N G	INFO		I O N
LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT C	COLOR VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS		LED		MOUNTING	FINISH	OPTIONS
LUMINAIRE	VLED® IES DISTRIBUTION TYPE	# of LED's	DRIVE CURRENT	COLOR TEMP-CCT	ARM MOUNT	STANDARD TEXTURED FINISH	
☐ MOZ-LED	TYPE II VLED - II TYPE II VLED - III VLED - III VLED - III	MOZ 120LED 100LED 80LED	☐ 350mA ☐ 525mA¹ ☐ 700mA²	NW (4000K) *STANDARD CW (5000K) WW (3000K) OTHER LED COLORS	□ XXX/1 (TYP.) □ XXX/2-180 (TYP.) □ XXX/2-90 (TYP.)	☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY	☐ 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7 ☐ INTERNAL HOUSE SIDE SHIELDS HS-VVLED
	VLED - IV	☐ 64LED	NOTE: 1 - 80LED, 64LED & 48LED Only	AVAILABLE CONSULT FACTORY VOLTAGE	☐ XXX/3-90 (TYP.)	RAL-7004-T DARK BRONZE RAL-8019-T	HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR
☐ MOZM-LED		MOZM 80LED 64LED 48LED	2 - 64LED & 48LED Onli	y		GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)	(EXAMPLE: PC120V) PC+V TWIST LOCK PHOTOCELL +VOLTAGE TPC+V TWIST LOCK PHOTOCELL RECEPTACLE ONLY TPR
					WALL MOUNT	SEE USALTG.COM FOR ADDITIONAL COLORS	CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)

(203mm)

ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM

AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
48	LED	48 VLED ° Optical Module - 350mA	4,241 - 4,760	3,731 - 4,187	4,337 - 4,868	60,000+	-20°F	55	120 277 347	0.46 0.20 0.16
48	LED	48 V LED [®] Optical Module - 525mA	5,871 - 6,557	5,152 - 5,755	6,009 - 6,711	60,000+	-20°F	79	120 277 347	0.66 0.29 0.23
48	LED	48 VLED ° Optical Module - 700mA	7,515 - 8,131	6,579 - 7,119	7,696 - 8,327	60,000+	-20°F	109	120 277	0.91 0.40 0.32
64	LED	64 VLED ° Optical Module - 350mA	5,255 - 5,898	4,623 - 5,189	5,373 - 6,031	60,000+	-20°F	70	120 277 347	0.59 0.26 0.21
64	LED	64 VLED Optical Module - 525mA	7,393 - 8,257	6,488 - 7,246	7,566 - 8,451	60,000+	-20°F	108	120 277 347	0.90 0.39 0.32
64	LED	64 V LED [®] Optical Module - 700mA	9,927 - 10,405	8,691 - 9,110	10,166 - 10,655	60,000+	-20°F	134	120 277 347	1.12 0.49 0.39
80	LED	80 V LED ® Optical Module - 350mA	7,131 - 7,452	6,273 - 6,556	7,292 - 7,620	60,000+	-20°F	85	120 277 347	0.77 0.31 0.25
80	LED	80 VLED ° Optical Module - 525mA	9,994 - 10,444	8,770 - 9,166	10,228 - 10,689	60,000+	-20°F	130	120 277 347	1.09 0.47 0.38
100	LED	100 V LED ° Optical Module - 350mA	8,862 - 9,260	7,796 - 8,146	9,062 - 9,469	60,000+	-20°F	109	120 277 347	0.91 0.40 0.32
120	LED	120 V LED ° Optical Module - 350mA	10,634 - 11,112	9,355 - 9,776	10,874 - 11,363	60,000+	-20°F	130	120 277 347	1.09 0.47 0.38

NOTES:

- 1. Max Input Amps is the highest of starting, operating, or open circuit currents
- 2. Lumen values for LED Modules vary according to the distribution type
- ${\bf 3.}$ System Watts includes the source watts and all driver components.
- Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV 20KV surge suppressors.
- 5. L70(10K) TM-21 6x rule applied L70(10K) - Calculated = 244,000 @ 700mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.



SOLID STATE AREA LIGHTING

MOZART-WA SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING

One piece unitized precise heavy wall cast aluminum construction comprised of low copper (< 0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. White Acrylic enclosure is gasketed at the fixture Mounting Hub and crown with an extruded closed cell silicone gasket. Driver/wiring access is inside the enclosure and accesses through the top of the Mounting Hub. Hub accommodates a 2%" x 3" tenon. All exposed hardware is stainless steel.

LED POWER ARRAYTM

Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. A diffuse acrylic lens and end cap protects each LED Tube's internal components.

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with a smooth, white, acrylic diffusing enclosure.

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz or 347-480V, 50/60hz and utilizes 0-10v dimming. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

FINISH

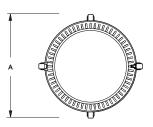
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

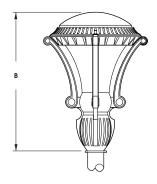


FIXTURE TYPE:



PATENT PENDING





Fitter supplied to fit over 2% " X 3" (73mm X 76mm) tennon.

FIXTURE	Α	В
MOZ-WA	26" 660mm	34.5" 876mm
MOZM-WA	20" 508mm	26.5" 673mm



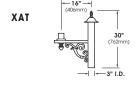


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MOZART-WA SERIES - LED

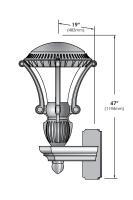
XAC XAZ-UP ARM STYLES 37" 37" 37" 37" 30" (881mm)



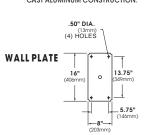
- 3" I.D.

ARMS ARE HEAVY WALL EXTRUDED AND CAST ALUMINUM CONSTRUCTION, FOR ADDITIONAL ARM AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

WALL MOUNT



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.



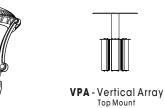
LED POWER ARRAY™ MODULE



MOZ-WA-LED E.P.A.= 2.27 VERTICAL ARRAY Available in: 80 LED Max.



MOZM-WA-LED E.P.A.= 1.48 VERTICAL ARRAY Available in: 48 LED Max.



Spec/Order Example: MOZM-WA-LED/VPA-SYM/36LED-525mA/WW/277/PT/RAL-9005-T

S P	E C / O	R D E	E R I	N G	I N F O R	M A T	I O N
LUMINAIRE	OPTICS	# of LED's DI	RIVE CURRENT (COLOR VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS		LED		MOUNTING	FINISH	OPTIONS
LUMINAIRE	VERTICAL POWER ARRAY		DRIVE CURRENT	T COLOR TEMP - CCT	ARM MOUNT	STANDARD TEXTURED FINISH	
☐ MOZ-WA-LED	SYMMETRIC TYPE - V VPA-SYM	MOZ-WA ☐ 64LED	☐ 350mA	□ NW (4000K) * *STANDARD	☐ XXX/1 (TYP.) •-	☐ BLACK RAL-9005-T	☐ 7-PIN TWIST LOCK RECEPTACLE ONLY
		☐ 48LED	☐ 525mA	☐ CW (5000K)	☐ XXX/2-180 (TYP.) . ●-●	☐ WHITE	(ANSI C136.41) TPR7
		□ 32LED		OTHER LED COLORS	☐ XXX/2-90 (TYP.) ?	RAL-9003-T	HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) HS
				AVAILABLE CONSULT FACTORY	☐ XXX/3-90 (TYP.) • ?	GREY RAL-7004-T	☐ HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION
			_		☐ XXX/3-120 (TYP.) .	DARK BRONZE RAL-8019-T	SENSOR
☐ MOZM-WA-LED		MOZM-WA		VOLTAGE	☐ XXX/4-90 (TYP.) •	GREEN RAL-6005-T	(EXAMPLE: PC120V) PC+V
		☐ 36LED		TOLINOL	(XXX = Arm Model # Ex = XBW-2-180/RAL-9005-T)		+VOLTAGE TPC+V
		☐ 24LED		□ 120 □ 208	POST TOP MOUNT	FOR SMOOTH FINISH REPLACE SUFFIX "T"	TWIST LOCK PHOTOCELL RECEPTACLE ONLY TPR
				□ 240 □ 277	(STANDARD 2½" x 3" TÉNON) ☐ PT	WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)	☐ SINGLE FUSE (120V, 277V) SF
				☐ 347 ☐ 480	WALL MOUNT	SEE USALTG.COM FOR ADDITIONAL COLORS	DOUBLE FUSE (208V, 240V) DF
				_ 400	□ wm ➡		CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 VPA LED Power Array - 350mA	2,453	2,158	2,508	60,000+	-20°F	37	120 277 347	0.23 0.10 < 0.10
24	LED	24 VPA LED Power Array – 525mA	3,434	3,021	3,511	60,000+	-20°F	55	120 277 347	0.34 0.15 0.12
32	LED	32 VPA LED Power Array - 350mA	3,271	2,877	3,344	60,000+	-20°F	45	120 277 347	0.30 0.13 0.11
32	LED	32 VPA LED Power Array - 525mA	4,579	4,028	4,682	60,000+	-20°F	66	120 277 347	0.45 0.20 0.16
36	LED	36 VPA LED Power Array - 350mA	3,679	3,236	3,762	60,000+	-20°F	54	120 277 347	0.35 0.15 0.12
36	LED	36 VPA LED Power Array - 525mA	5,151	4,531	5,267	60,000+	-20°F	79	120 277 347	0.51 0.23 0.18
48	LED	48 VPA LED Power Array - 350mA	4,906	4,316	5,017	60,000+	-20°F	67	120 277 347	0.45 0.20 0.16
48	LED	48 VPA LED Power Array - 525mA	6,868	6,042	7,023	60,000+	-20°F	98	120 277 347	0.66 0.29 0.23
64	LED	64 VPA LED Power Array - 350mA	6,541	5,754	6,689	60,000+	-20°F	89	120 277 347	0.60 0.26 0.21
64	LED	64 VPA LED Power Array - 525mA	9,157	8,056	9,364	60,000+	-20°F	131	120 277 347	0.88 0.38 0.31

NOTES:

- 1. Max Input Amps is the highest of starting, operating, or open circuit currents
- 2. Lumen values for LED Modules vary according to the distribution type
- ${\bf 3.}$ System Watts includes the source watts and all driver components.
- Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
- 5. L70(10K) TM-21 6x rule applied L70(10K) - Calculated = 244,000 @ 700mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.



FIXTURE TYPE:

MOZART-CPA SERIES-LED

SPECIFICATIONS

FIXTURE HOUSING

One piece unitized precise heavy wall cast aluminum construction comprised of low copper (A356 alloy, <0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. Clear Patterned Acrylic enclosure is gasketed at the fixture Mounting Hub and crown with an extruded closed cell silicone gasket. Driver/wiring access is inside the enclosure and accesses through the top of the Mounting Hub. Hub accommodates a 2.7/8" x 3" tenon. All exposed hardware is stainless steel.

LED POWER ARRAYTM

Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. A diffuse acrylic lens and end cap protects each LED Tube's internal components.

ANGLED POWER ARRAY™: Micro-Reflectors mounted around each LED control the raw emitter output. LED Tubes are rotated on their vertical axis, angled on their horizontal axis, and arrayed to produce highly efficient IES Distribution Types II, III, IV and V. Used in conjunction with a clear patterned acrylic enclosure.

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with prismatic glass refractor to produce symmetric or asymmetric distributions and surrounded by a Clear Patterned Acrylic enclosure.

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

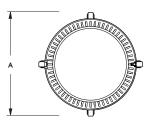
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

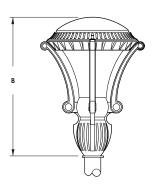
FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.



PATENT PENDING





Fitter supplied to fit over $2^{7/8}$ " X 3" (73mm X 76mm) tennon.

FIXTURE	Α	В		
MOZ-CPA	26″ 660mm	34.5 " 876mm		
MOZM-CPA	20″ 508mm	26.5 " 673mm		





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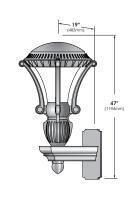
MOZART-CPA SERIES - LED

ARM STYLES XAC -3" I.D. XAZ-UP - I - 3" I D

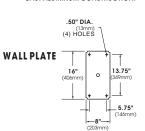
ARMS ARE HEAVY WALL EXTRUDED AND CAST ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

XAT

WALL MOUNT



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.



LED POWER ARRAY™ MODULES



MOZ-CPA-LED E.P.A.= 2.27

ANGLED POWER ARRAY Available in: 80 LED Max.

VERTICAL ARRAY Available in: 80 LED Max.



MOZM-CPA-LED E.P.A. = 1.48

ANGLED POWER ARRAY Available in: 48 LED Max.

VERTICAL ARRAY Available in: 48 LED Max.



APA - Angled Array Top Mount



GRV - Glass Refractor w/ Vertical Array Top mount

Spec/Order Example: MOZM-CPA-LED/GRV-III/48LED-525mA/WW/120/PT/RAL-9005

S P	E C / O	R D	E R I	N G	I N F O R	M A T	I O N
LUMINAIRE	OPTICS	# of LED's D	RIVE CURRENT C	COLOR VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS		LED		MOUNTING	FINISH	OPTIONS
LUMINAIRE	ANGLED POWER ARRAY	# of LEDs MOZ-CPA	DRIVE CURRENT	COLOR TEMP - CCT	ARM MOUNT	STANDARD TEXTURED FINISH	
☐ MOZ-CPA-LED	TYPE - II APA - II	APA MODELS	☐ 350mA ☐ 525mA	NW (4000K)* *STANDARD CW (5000K)	☐ XXX/1 (TYP.)	☐ BLACK RAL-9005-T	7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7
	APA - III	☐ 60LED ☐ 40LED		☐ WW (3000K) OTHER LED COLORS	☐ XXX/2-90 (TYP.) ?	□ WHITE RAL-9003-T	HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) HS
	TYPE - IV APA - IV TYPE - V APA - V	GRV MODELS	-	AVAILABLE CONSULT FACTORY	☐ XXX/3-90 (TYP.) ♣ ♣	GREY RAL-7004-T DARK BRONZE	HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR
	AIA V	☐ 36LED		VOLTAGE	☐ XXX/3-120 (TYP.) .	RAL-8019-T	PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) PC+V
── MOZM-CPA-LED	GLASS REFRACTOR TYPE - III GRV - III	MOZM-CPA		☐ 120 ☐ 208 ☐ 240	(XXX - Arm Model # Ex = XBW-2-180/RAL-9005-T)	RAL-6005-T	TWIST LOCK PHOTOCELL +VOLTAGE TPC+V
	TYPE - V GRV - V	APA MODELS		□ 277 □ 347 □ 480	POST TOP MOUNT (STANDARD 2½" x 3* TENON)	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S"	TWIST LOCK PHOTOCELL RECEPTACLE ONLY TPR SINGLE FUSE
		☐ 32LED	_		WALL MOUNT	(EXAMPLE: RAL-9500-S) SEE USALTG.COM FOR ADDITIONAL COLORS	(120V, 277V) SF DOUBLE FUSE (208V, 240V) DF
		GRV MODELS			□ WM •┥		CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)
		☐ 24LED					, , ,

MOZART-CPA SERIES - APA LED LAMP/ELECTRICAL GUIDE

			15 1171 4 1	INITIAL	INITIAL					
LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
32	LED	32 APA LED Power Array - 350mA	2,343 - 2,396	2,061 - 2,108	2,396 - 2,450	60,000+	-20°F	37	120 277 347	0.31 0.14 0.11
32	LED	32 APA LED Power Array - 525mA	3,280 - 3,354	2,886 - 2,951	3,354 - 3,430	60,000+	-20°F	55	120 277 347	0.46 0.20 0.16
40	LED	32 APA LED Power Array - 350mA	3,469 - 3,771	3,052 - 3,317	3,457 - 3,856	60,000+	-20°F	45	120 277 347	0.38 0.17 0.13
40	LED	32 APA LED Power Array - 525mA	4,856 - 5,279	4,272 - 4,644	4,966 - 5,398	60,000+	-20°F	66	120 277 347	0.55 0.24 0.20
48	LED	32 APA LED Power Array - 350mA	3,515 - 3,594	3,092 - 3,162	3,594 - 3,675	60,000+	-20°F	54	120 277 347	0.45 0.20 0.16
48	LED	32 APA LED Power Array - 525mA	4,921 - 5,032	4,329 - 4,426	5,032 - 5,145	60,000+	-20°F	79	120 277 347	0.66 0.29 0.23
60	LED	32 APA LED Power Array - 350mA	5,203 - 5,656	4,577 - 4,975	5,321 - 5,783	60,000+	-20°F	67	120 277 347	0.56 0.25 0.20
60	LED	32 APA LED Power Array - 525mA	7,285 - 7,918	6,408 - 6,966	7,449 - 8,097	60,000+	-20°F	98	120 277 347	0.82 0.36 0.29
80	LED	32 APA LED Power Array - 350mA	6,938 - 7,541	6,103 - 6,634	7,094 - 7,711	60,000+	-20°F	89	120 277 347	0.75 0.33 0.26
80	LED	32 APA LED Power Array - 525mA	9,713 - 10,557	8,544 - 9,287	9,932 - 10,796	60,000+	-20°F	131	120 277 347	1.10 0.48 0.38

NOTES:

- 1. Max Input Amps is the highest of starting, operating, or open circuit currents
- 2. Lumen values for LED Modules vary according to the distribution type
- 3. System Watts includes the source watts and all driver components.
- Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV 20KV surge suppressors.
- 5. L70(10K) TM-21 6x rule applied L70(10K) Calculated = 244,000 @ 700mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.



MOZART-CPA SERIES - GRV LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 GRV/VPA LED Power Array - 350mA	1,922 - 1,966	1,687 - 1,726	1,967 - 2,012	60,000+	-20°F	26	120 277 347	0.22 0.10 0.08
24	LED	24 GRV/VPA LED Power Array - 525mA	2,787 - 2,852	2,446 - 2,503	2,853 - 2,919	60,000+	-20°F	39	120 277 347	0.33 0.15 0.12
36	LED	36 GRV/VPA LED Power Array - 350mA	2,883- 2,949	2,531 - 2,589	2,951 - 3,019	60,000+	-20°F	39	120 277	0.33 0.15 0.12
36	LED	36 GRV/VPA LED Power Array – 525mA	4,180 - 4,278	3,669 - 3,755	4,278 - 4,379	60,000+	-20°F	59	120 277 347	0.50 0.22 0.18

NOTES:

- 1. Max Input Amps is the highest of starting, operating, or open circuit currents
- 2. Lumen values for LED Modules vary according to the distribution type
- ${\bf 3.}$ System Watts includes the source watts and all driver components.
- Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
- 5. L70(10K) TM-21 6x rule applied L70(10K) - Calculated = 244,000 @ 700mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

