August 4, 2020

Mr. Joseph N. Biordi Adache Group Architects 550 S. Federal Highway Fort Lauderdale, FL 33301

Re: Bahia Cabana - Fort Lauderdale, Florida Trip Generation Statement

Dear Mr. Biordi:

Pursuant to your request, Danielsen Consulting Engineers, Inc. (DC Engineers, Inc.) has prepared this trip generation statement specific to development of a 124-room resort hotel, 43 multifamily dwelling units of which six (6) units are waterside, and a 2,355 square foot cafe (accessible and open to the public) planned to be located along Harbor Drive west of Seabreeze Boulevard (SR A1A) within municipal limits of the City of Fort Lauderdale, Florida. Figure 1, included as Attachment A, shows the location of the project site. This trip generation statement provides a comparison of vehicle trips generated by the onsite uses (now demolished) and the expected trip generation of the uses proposed as well as a comparison of existing vehicle trips and vehicle trips expected from those uses proposed within the Central Beach RAC, exclusively.

The following is a summary of our findings.

Trip Generation

Estimates of trip generation were determined using rates and formulae published in the Institute of Transportation Engineers (ITE) report *Trip Generation* (10th Edition). Based upon this information, the weekday, AM peak hour, and PM peak hour trip generation rates for existing and proposed land uses are as follows:

Resort Hotel - ITE Land Use #330

Weekday: *not available. See Tables 1 and 2 for methodology.
 where T = number of trips and X = rooms

AM Peak Hour: T = 0.32 (X) (72% in / 28% out)
 PM Peak Hour: T = 0.41 (X) (43% in / 57% out)

High-Turnover (Sit-Down) Restaurant - ITE Land Use #932

Weekday: T = 112.18(X)
 where T = number of trips, X = 1,000 sf gross floor area
 AM Peak Hour: T = 9.94(X) (55% entering/45% exiting)

• PM Peak Hour: T = 9.77(X) (62% entering/38% exiting)

Multifamily Housing (Mid-Rise) - ITE Land Use #221

• Weekday: T = 5.45(X) - 1.75where T = number of trips, X = dwelling units

AM Peak Hour: Ln(T) = 0.98Ln(X) - 0.98 (26% entering/74% exiting)

PM Peak Hour: Ln(T) = 0.96Ln(X) - 0.63 (61% entering/39% exiting)



Internal Capture

Internal capture is expected between complimentary land uses within a multi-use project and are those vehicle trip ends that can be satisfied onsite without impact to the adjacent roadway network. Internal capture trips are determined using methodologies contained within the ITE *Trip Generation Handbook*, 3rd Edition.

Pass-By Capture

Pass-by capture rates recommended within ITE's *Trip Generation Handbook*, 3rd Edition are reflected within the trip generation analysis provided herein. Pass-by capture trips are those vehicle trips already on the roadway network that when passing by a property will spontaneously decide to visit one of the establishments onsite. The standard pass-by capture rate of 43 percent (43.0%) for High Turnover (Sit-Down) Restaurant (LUC 932) has been utilized.

Central Beach RAC Trip Comparison

Table 1, included as Attachment B, summarizes trip generation results for the now-demolished Bahia Cabana Beach Resort comprised of 48 hotel rooms, 500 square feet of retail space, and a 14,000 square foot restaurant. As shown in Table 1, the mixed-use development likely produced 1,126 vehicle trips per day (vpd) with 154 vehicle trips occurring during the AM peak hour (87 entering and 67 exiting) and 86 vehicle trips occurring during the PM peak hour (51 entering and 35 exiting). Similarly, Table 2 summarizes trip generation results for the proposed development located within the Central Beach RAC (124 hotel rooms, six (6) multifamily dwelling units, and a 2,355 square foot cafe). These waterside uses are expected to generate 895 vpd with 63 vehicle trips occurring during the AM peak hour (42 entering and 21 exiting) and 64 vehicle trips occurring during the PM peak hour (30 entering and 34 exiting).

As shown in Table 2 net new vehicle trips attributable to the waterside uses (located within the Central Beach RAC) proposed are expected to total 231 vpd <u>less</u> than existing uses. Peak hour project trips are shown to be 91 vph and 22 vph <u>less</u> than existing uses during AM and PM peak hours, respectively. As shown, the existing development, now removed, is estimated to have produced more vehicle trips than that proposed with this application.

Total Project Trip Comparison

Table 1, included as Attachment B, summarizes trip generation results for the now-demolished Bahia Cabana Beach Resort as described above. Similarly, Table 3 (reflecting all uses proposed) summarizes trip generation results for the 124 hotel rooms, 43 multifamily dwelling units and 2,355 square feet of restaurant space. These uses are expected to generate 1,029 vpd with 71 vehicle trips occurring during the AM peak hour (43 entering and 28 exiting) and 76 vehicle trips occurring during the PM peak hour (38 entering and 38 exiting).

As shown in Table 3 net new vehicle trips attributable to the development proposed are expected to total 97 vpd <u>less</u> than existing uses. Peak hour project trips are shown to be 83 vph and 10 vph <u>less</u> than existing uses during AM and PM peak hours, respectively. As shown, the existing development, now removed, is estimated to have produced more vehicle trips than that proposed with this application in its entirety.

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Queue Analysis

A queue analysis has been completed to determine the appropriateness of the number of vehicle queue spaces provided at the hotel's front entryway. According to the current site plan, the proposed development will have two (2) entry lanes within the porte cochere area with the potential for six (6) on site spaces for vehicles to queue.

The trip generation analysis for this site indicates that peak inbound traffic may occur during the AM peak hour with 43 vehicles expected to enter the project site. However, as most AM entering trips are expected to be employee or delivery-related and not likely to queue within the hotel entryway, the PM peak hour is examined herein. During the PM peak hour 48 gross inbound vehicle trips are noted (reference Table 3). Removing those trips considered internal to the project site (and therefore, not impacting the external roadway) and entering trips attributable to the residential use (as they will park within the garage on the south side of Harbor Drive), yields 33 entering vehicle trips that may utilize the hotel's front entryway. While we are confident that some vehicles will use the onsite valet within the garage, to provide a conservative analysis, all 33 vehicle trips have been treated as if they are a taxi, rideshare service, or private vehicle that is dropping off passengers or luggage at the front of the hotel.

The length of queue anticipated on site was determined using information contained in ITE's *Transportation and Land Development*, Chapter 8 – Drive-In Facilities (equation 8-9b and Table 8-11). For this analysis, the following input variables were used:

- **Demand Rate**: Based on ITE's *Trip Generation* (10th Edition), the maximum inbound traffic flow anticipated at the proposed hotel entryway is approximately 33 vehicles.
- **Service Rate**: It was assumed that the average time a taxi, rideshare, or private vehicle would take to offload a passenger with or without luggage averages two (2) minutes.

With a 95% confidence level, it is projected that the maximum queue noticed at any one time during the PM peak hour is three (3) vehicles. Appendix C includes queue analysis worksheets and a current site plan.

Conclusion

Based upon the foregoing analysis, the following can be concluded:

 That portion of the proposed project that is located within the Central Beach RAC is not expected to generate vehicular trips in excess of those produced by the prior use (now demolished).

In addition, the proposed project should not require a comprehensive traffic impact study for the following reasons:

 Unified Land Development Regulations (ULDR's) specific to the City of Fort Lauderdale stipulate that when a proposed project generates more than 1,000 net new vehicle trips per day, a comprehensive traffic study is required. The subject project is expected to produce less than 1,000 vehicle trips per day with prior uses considered.

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 And, if the net new vehicle trips are less than 1,000 vehicle trips per day and more than 20 percent of the daily trips are anticipated to arrive or depart, or both, within one-half hour, a comprehensive traffic study is required. As shown in Tables 2 and 3, 20 percent of daily trips are not expected to arrive or depart (or both) within one-half hour.

And lastly, with a 95% confidence level, it is projected that the maximum queue noticed at any one time during the PM peak hour is expected to be three (3) vehicles, which can easily be accommodated on site without impact to the adjacent roadway.

Of course, please call or email with any questions you may have.

DANIELSEN CONSULTING ENGINEERS, INC.

J. Suzanne Danielsen, P.E.

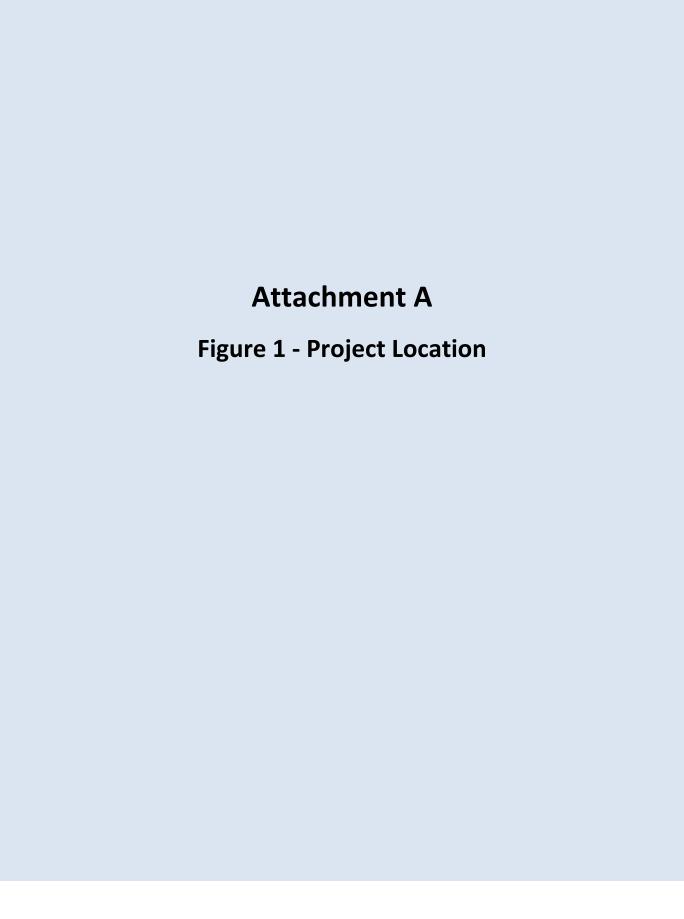
Senior Transportation Engineer

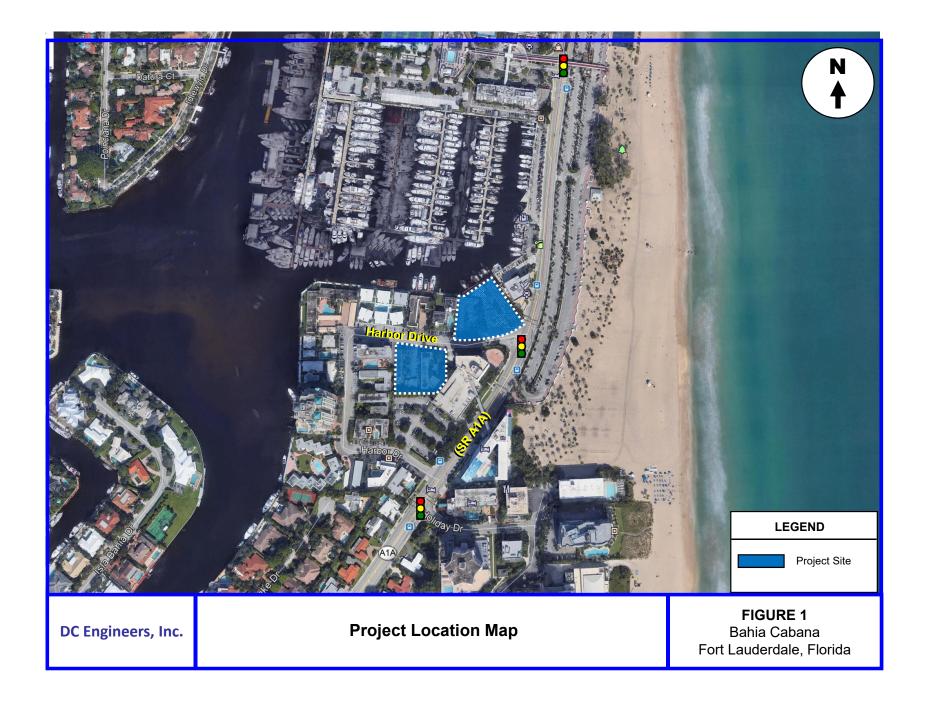
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No. 42533

STATE OF SUPPLIES ON AL ENGINEERS O

J. Suzanne Danielsen, P.E. Florida Registration Number 42533 Danielsen Consulting Engineers, Inc. 12743 NW 13th Court Coral Springs, FL 33071 CA # 3202





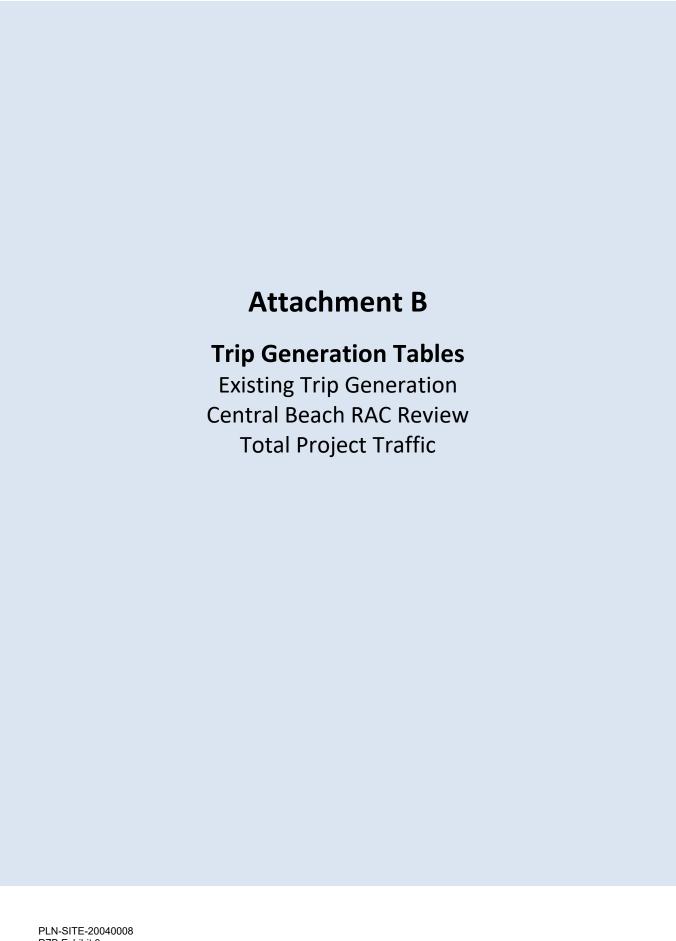


Table 1: Trip Generation Summary Existing Uses

				AM Peak Hour	1		PM Peak Hour		Daily
Land Use	Scale	Units	Total Trips	Inbound	Outbound	Total Trips	Inbound	Outbound	Total Trips
Resort Hotel (LUC 330)	48	rm	15	11	4	20	9	11	277
Retail (LUC 820)	0.500	ksf	0	0	0	2	1	1	19
High Turnover (Sit-Down) Rest. (LUC 932)	14.000	ksf	139	76	63	137	85	52	1,571
Subtotal			154	87	67	159	95	64	1,867
Internal (0%, 11%)			0	0	0	(18)	(10)	(8)	(103)
Subtotal			154	87	67	141	85	56	1,764
Pass-by (43%) LUC 932						(55)	(34)	(21)	(638)
Total			154	87	67	86	51	35	1,126

Source: ITE Trip Generation Manual (10th Edition)

LUC 330 - Daily rate developed by applying peak to daily ratio specific to LUC 310 to PM peak hour trips noted above.

Table 2: Trip Generation Summary Proposed Uses within Central Beach RAC

				AM Peak Hou			PM Peak Hour		Daily
Land Use	Scale	Units	Total Trips	Inbound	Outbound	Total Trips	Inbound	Outbound	Total Trips
Resort Hotel (LUC 330)	124	rm	40	29	11	51	22	29	741
Multifamily Housing (Mid-Rise) (LUC 221)	6	du	2	1	1	3	2	1	31
High Turnover (Sit-Down) Rest. (LUC 932)	2.355	ksf	23	13	10	23	14	9	264
Subtotal			65	43	22	77	38	39	1,036
Internal (3%, 5%)			(2)	(1)	(1)	(4)	(2)	(2)	(41)
Subtotal			63	42	21	73	36	37	995
Pass-by (43%) LUC 932						(9)	(6)	(3)	(100)
Total			63	42	21	64	30	34	895
Net New Vehicle Trips			-91	-45	-46	-22	-21	-1	-231

Source: ITE Trip Generation Manual (10th Edition)

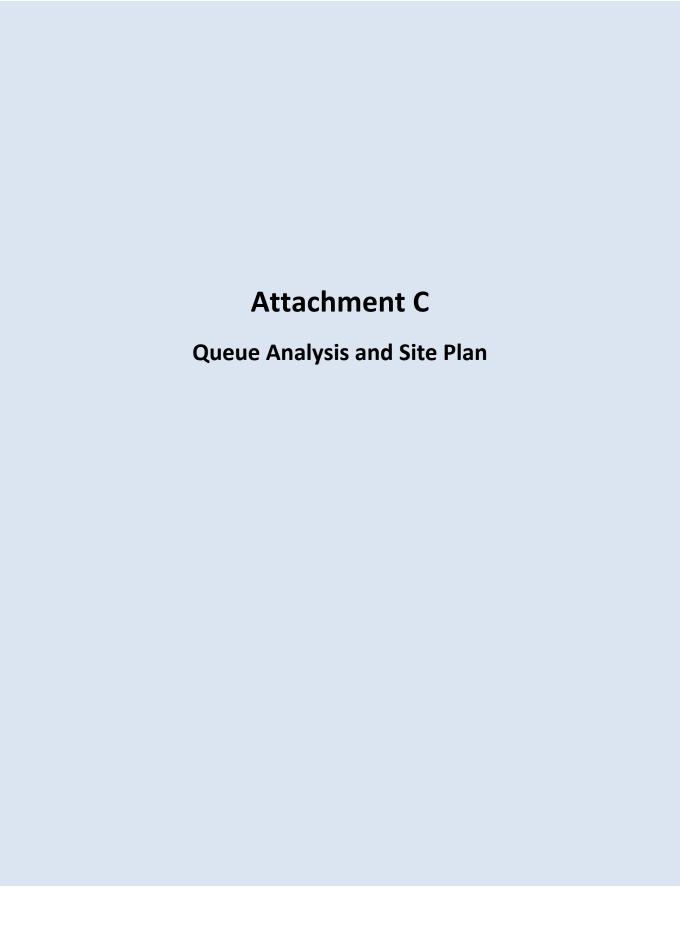
LUC 330 - Daily rate developed by applying peak to daily ratio specific to LUC 310 to PM peak hour trips noted above.

Table 3: Trip Generation Summary Total

				AM Peak Houi	•		PM Peak Hour	٢	Daily
Land Use	Scale	Units	Total Trips	Inbound	Outbound	Total Trips	Inbound	Outbound	Total Trips
Resort Hotel (LUC 330)	124	rm	40	29	11	51	22	29	741
Multifamily Housing (Mid-Rise) (LUC 221)	43	du	15	4	11	20	12	8	232
High Turnover (Sit-Down) Rest. (LUC 932)	2.355	ksf	23	13	10	23	14	9	264
Subtotal			78 (7)	46	32	94	48	46	1,237
Internal (9%, 11%) Subtotal			71	(3) 43	(4) 28	(10) 84	(5) 43	(5) 41	(124) 1,113
								•	
Pass-by (43%) LUC 932						(8)	(5)	(3)	(84)
Total			71	43	28	76	38	38	1,029
		•	_			_		_	
Net New Vehicle Trips			-83	-44	-39	-10	-13	3	-97

Source: ITE Trip Generation Manual (10th Edition)

LUC 330 - Daily rate developed by applying peak to daily ratio specific to LUC 310 to PM peak hour trips noted above.



<u>Bahia Cabana – Ft. Lauderdale</u> Queuing Analysis based on ITE Procedures

q = 33 veh/hr (demand rate)

Q = 30 veh/hr (service rate @ 2 min/veh)

$$p = \frac{q}{NQ} = 0.550 (N = two)$$

$$Q_M = 0.387$$
 (for $N = 2$)

Using Acceptable Probability of 5% (95% Confidence Level)

$$M = \frac{Ln (x > M) - Ln (Q_M)}{Ln (p)} - 1$$

$$M = \frac{Ln(0.05) - Ln(0.387)}{Ln(0.550)} - 1$$

$$M = \left(\frac{-2.996 - (-0.949)}{-0.598}\right) - 1$$

$$M = 3.423 - 1 = 2.423$$
 vehicles or, 3 vehicles

PH: (954) 525-8133 FAX: (954) 728-8159 EMAIL: info@adache.com www.adache.com LISCENCE #: AR0007073

CIVIL ENGINEER

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EMAIL: nelson.ortz@graef-usa.com graef-usa.com

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McLAUGHLIN ENGINEERING CO
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STRUCTURAL ENGINEER

MASTER CONSULTING ENGINEERING
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MECHANICAL, ELECTRICAL , PLUMBING ENGINEER

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PH: 305/ 597-0660 EMAIL: AHLOPEZ@JALRW.COM WWW.JALRW.COM

LANDSCAPE ARCHITECT

TOPO-GRAPHIC LLC PUNTA GORDA, FLORIDA

PH: 561 840 0248 (954) 728-8159
EMAIL: INFO@TOPO-GRAPHIC.COM WWW.TOPO-GRAPHIC.COM

TRAFFIC STUDY

SUZANNE DANIELSEN

OWNER

3001-18 HARBOR DRIVE LLC

1199 SOUTH FEDERAL HIGHWAY, SUITE 384, BOCA RATON, FL, 33432 PH: EMAIL:

U	NIT TYP	E	COUN	-		ARKING ACTOR	PARKING REQD' CALC
HOTEL - GUESTROOMS		124		0.67			
	PAR	KING	REO'D HO	TFI	RI	ESIDENT	ΓΙΔΙ
UNIT	1		REQ'D HO	Т	-	PARKING	PARKING
UNIT TYPE	PAR	KING Dens	REQ'D HO	Т	L_RI		
	1			Т	-	PARKING	PARKING

PARKING REQUIRED _A	PARTI	MENT BU	IILDING
UNIT TYPE DESCRIPTION	UNIT	PARKING FACTOR	PARKING RQI CALC
1 BED/ 1 DEN	2	2	
1 BEDROOM	35	1.75	- 6
TOTAL # OF UNITS & PARKING REQ'D	37		(
VISITOR (10% REQ)			1
TOTAL PARKING REQUIRED (84+14+6	5+17)		18

PARKING PROVIDED	
8' - 8" x 18' ADA PARKING	
8' - 8" x 18' LIFT 10' - 6" CLR	2
8' - 8" x 18' LIFT 12' - 2" CLR	2
8' - 8" x 18' LIFT 14' - 0" CLR	1
8' - 8" x 18' TYPICAL PARKING	15
12' - 0" x 18' ADA VAN ACCESSIBLE	
	22

ADA PARKING REQUIREMENTS:
(FBC ACCESIBILITY 2008.2) FOR BUILDINGS WITH 201-300 SPACES, 7 PARKING SPACES ARE REQUII
TO BE ADA.
(FBC ACCESIBILITY 502) OF THE ADA SPACES, 1 IN 6 MUST BE ADA VAN ACCESSIBLE

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rue and accurate data and preliminary concepts can only result from a thorough design process involving collaboration with engineers and governmental uthorities having jurisdiction over this site. All conceptual plans, elevations, and data are based upon assumptions and unconfirmed preliminary information and are subject to change.

DEVELOPMENT/ PROJECT NAME

BAHIA CABANA HOTEL

DEVELOPMENT/ PROJECT ADDRESS

SOOT HARBOR DRIVE, FT LAUDERDALE, FL, 3007 HARBOR DRIVE, 33316

LEGAL DESCRIPTION

OCEAN HARBOR 28-39 B LOT 12, OCEAN HARBOR 28-39 B LOT 13

TAX ID FOLIO NUMBERS

FOLIO NUMBER: 504212240100, FOLIO NUMBER: 504212240090

WINCED USE: LEVEL 1, HOTEL LOGBY RESTAURANT; LEVEL 2: MEETING ROOMS, SPA, GYM; LEVEL 3-7: 1-STORY

HOTEL SOOK LE PLAYER, FESSION LEVEL STAURANT; LEVEL 2: MEETING ROOMS, SPA, GYM; LEVEL 3-7: 1-STORY

HOTEL SOOK LE PLAYER, FESSION LEVEL STAURANT; LEVEL 2: MEETING ROOMS, SPA, GYM; LEVEL 3-7: 1-STORY

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	EXISTING	PROPOSED		
LAND USE DESIGNATION	CENTRAL BEACH REGIONAL ACTIVITY CENTER	CENTRAL BEACH REGIONAL ACTIVITY CENTER		
ZONING DESIGNATION	SBMHA	SBMHA		
USE OF PROPERTY/ OCCUPANCY	10 - Commercial - Vacant Commercial	COMMERCIAL- RESIDENTIAL (R-1)		
RESIDENTIAL SF (AND TYPE)	RESIDENCES= 16,636 SF TERRACES AND BALC	RESIDENCES= 16,636 SF TERRACES AND BALCONIES= 5,200 SF		
NUMBER OF RESIDENTIAL UNITS	DWELLING UNITS= 6	DWELLING UNITS= 6		
NON-RESIDENTIAL SF (AND TYPE)	HOTEL ROOMS [INCLUDING TERRACES & BALCONIE SERVICE & COMMON AREAS 117,470 SF	HOTEL ROOMS [INCLUDING TERRACES & BALCONIES]= 61,698 SF KEYS= 124 SERVICE & COMMON AREAS= 117,470 SF		
TOTAL BLDG. SF. (INCLUDE STRUCTURED PARKING)	.129,365 SF (NOT INCLUDING LANDSCAPE OR OUT	.129,365 SF (NOT INCLUDING LANDSCAPE OR OUTDOOR AREAS)		
SITE ADJACENT TO WATERWAY	Yes			

DIMENSIONAL REQUIREMENTS	REQUIRED/ PERMITTED		PROPO	SED		
LOT SIZE (SF/ ACREAGE)		42,626SF/ 4	3,560=0.978	ACRE		
LOT DENSITY RESIDENTIAL	48 UNITS P/ACRE X 0.987 ACRE= 46.94 DWELLING UNITS	DWELLING	UNITS=			
LOT DENSITY HOTEL	N/A	124 HOTEL	UNITS			
LOT WIDTH	211'-0" AVERAGE	211'-0" AVE	RAGE			
BUILDING HEIGHT (FEET/ LEVELS)	120'-0"	117'-0" (MEA	ASURED FRO	M GRADE	:)	
STRUCTURE LENGTH	200'-0"	180'-0"				
STRUCTURE WIDTH	200'-0"	194'-6"				
FLOOR AREA RATIO	5 MAX	129,365 SF./	42,626 SF= 3	.02 F.A.R.		
LOT COVERAGE	N/A	21,746 SF	51%			
OPEN SPACE	N/A	20,877 SF	49%			
LANDSCAPE AREA	25%	AREA 10.656.5 S	LOT SI		T %	
PARKING SPACES	98No parking on this site-Required Parking provided on site 2	.,	ED ON SITE 2			
PARKING SPACES CALCULATION			BEDROOMS	KEYS	FACTOR	
(Restaurant, Dining areas and Roof top Bars are for guest use only. No		GUESTROOMS RESIDENCES	N/A3	124	0.67	9
additional parking provided.) Bicycle Parking see Sheet A-6.01		TEGIDENOEG	4	2	2.2	5
, ,						98
LOADING ZONE	LOADING ZONE TYPE II	LOADING Z	ONE TYPE	I- 12' x 45'		

LOADING ZONE	LOADING ZONE TIPE II	LOADING ZONE_TTPE II- 12 X 45
* SEE SETBACK STUDY SHEETA-1.02	REQUIRED/ PERMITTED	PROPOSED
FRONT [S]	20'-0"	20'-0" SETBACK 27'-10" STEPBACK ROOF TOP (SEE SHEET A-1.02 SETBACK STUDY)
SIDE [W]	15'-0" OR 1/2 BLDG HEIGHT	15' SETBACK /20' STEPBACK MAX HEIGHT 40' 30' STEPBACK MAX HEIGHT 60' 40' STEPBACK MAX HEIGHT 80' 51'-2" STEPBACK MAX HEIGHT 102'-4" 57'-6" STEPBACK ROOF HEIGHT 115'-0"
REAR [N]	20'-0" OR 1/2 BLDG HEIGHT	20' SETBACK/ 30' STEPBACK MAX HEIGHT 60' 40' STEPBACK MAX HEIGHT 80' 51'-2' STEPBACK MAX HEIGHT 102'-4" 57'-6" STEPBACK ROOF HEIGHT 115'-0"
SIDE [E]	20'-0" OR 1/2 BLDG HEIGHT	30' SETBACK/ 40' STEPBACK MAX HEIGHT 80' 51'-2' STEPBACK MAX HEIGHT 102'-4" 57'-6" STEPBACK ROOF HEIGHT 115'-0"

HOTEL BUILDING AREAS HOTEL BUILDING				
AMENITIES		BUSINESS	_	
GYM	1,554 SF	BC	П	
SPA	2,286 SF	BOARD ROOM	Г	
	3,840 SF	COVERED TERRACE	Г	
AMENITIES-OUTDOO	RS	MEETING ROOM		
OUTDOOR PRIVATE	4,777 SF	OFFICE	Г	
PLAZA		OFFICES	г	
TERRACE	3,560 SF	PREFUNCTION	Г	
	8,337 SF	TERRACE	Г	
ASSEMBLY			_	
DROP-OFF	984 SF	CIRCULATION		
LOBBY	3,045 SF	CORRIDOR	Г	
LOBBY ENTRANCE	247 SF	DRIVEWAY		
	4,276 SF	ELECT. MDF	Г	
ASSEMBLY - POOL		ELEV. VEST.	Г	
LANDSCAPE/ POOL	3,913 SF	MECH.	Г	
DECK LAWN LOUNGE		OUTDOOR AREA	Г	
POOL	4 000 05	SIDEWALK	Г	
POOL DECK	1,990 SF	STAIRS	г	
POUL DECK	3,347 SF 9.250 SF		_	
	9,250 SF	CORES & VERTICAL (CIR	
BOH L.C.	177 SF	ELEV.	Г	
L.C. LAUNDRY	232 SF	ELEV. VEST.	Г	
LAUNDRY LOADING DOCK		S.E.	г	
	1,043 SF 280 SF	STAIRS	г	
LOADING DOCK RAMP	280 SF		_	
LUGGAGE	99 SF	HOTEL - GUESTROOI	MS	
OFFICE	120 SF	BALCONY	_	
RESTROOM	31 SF	GUEST ROOM	_	
TR	42 SF	TERRACE	L	
TRASH ROOM	214 SF			

GAREAS	HOTEL E
115 SF	LANDSCAPE
362 SF	LANDSCAPE
2,017 SF	PLANTER
4,453 SF	
407 SF	MECHANICA
235 SF	CONTROL R
1,024 SF	COOLING TO
1,909 SF	DOMESTIC V
10,523 SF	ELEC/ LV
	ELECT.
13,534 SF	FIRE COMMA
1,457 SF	FIRE PUMP
188 SF	FPL
3,594 SF	GEN.
202 SF	GREASE
606 SF	LV
610 SF	MECH.
446 SF	OUTSIDE AIR
20,638 SF	POOL EQUIP
RCULATION	
2,150 SF	RESIDENTIA
409 SF	PH1
72 SF	PH2
6,706 SF	PH3
9,337 SF	PH4
3	PH5
7,929 SF	PH6
48,987 SF	
4 700 CF	DECIDENTIA

TEL BUILDING AREAS HOTEL BUILDING AREAS HOTEL ROOM KE					
	1,329 SF		5,200 SF	Level 3	
SCAPE		RESTAURANT - DININ	IG	SD	
SCAPE	6,268 SF	BAR	3,356 SF	SK	
TER	781 SF	CAFE/BAR	1,060 SF		
	7,049 SF	CAFE/BAR	1,002 SF	Level 4	
IANICAL		TERRACE		SD	
ROL ROOM	701 SF	HOTEL AMENITY	3,378 SF	SK	
ING TOWER	626 SF	RESTAURANT/ BAR	3,406 SF		
STIC WATER	141 SF		12,201 SF	Level 5	
LV	1,011 SF	RESTROOMS		SD	
Τ.	404 SF	MEN	1,010 SF	SK	
COMMAND	241 SF	WOMEN	1,103 SF		
PUMP	202 SF		2,113 SF	Level 6	
	423 SF	RETAIL		SD	
	409 SF	GRAB & GO	293 SF	SK	
SE	66 SF	RETAIL	207 SF		
	131 SF		500 SF	Level 7	
l.	1,773 SF	STORAGE		SD	
IDE AIR UNIT	121 SF	ST	1,469 SF	SK	
EQUIPMENT	70 SF	STORAGE	876 SF		
	6,319 SF	STORAGE/ PANTRY	165 SF		
DENTIAL		VEND	175 SF		
	3,365 SF		2,685 SF	FEMA Flood Eleva	
	2,798 SF	TRASH ROOM		Property is located 6 on the December	
	2,157 SF	TR	138 SF	Preliminary FIRM, I	
	3,263 SF	TRASH/ RECYCLE	259 SF	(6.00 NAVD)	
	2.897 SF	ROOM		Γ΄ ΄	

SD	
SK	
	1
Property is locate 6 on the Decemb Preliminary FIRM (6.00 NAVD)	ed in Zone AE per 2019
Grade Elevation located landward (Coastal Constru- Line) therefore the elevation should (6.00 NAVD + 1. NAVD)	of the CCCL action Central ne grade be BFE + 1

A-0.00

adache group architects

BAHIA CABANA HOTEL 3001-3007 HARBOR DRIVE, FORT LAUDERALE, FL 33316

COVER SHEET

CAM #20-0878 Exhibit 6 Page 13 of 15

PLN-SITE-20040008 PZB Exhibit 3 Page 13 of 15

L

PROJECT DESIGN TEAM

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SUZANNE DANIELSEN

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OWNER

3001-18 HARBOR DRIVE LLC

1199 SOUTH FEDERAL HIGHWAY, SUITE 384, BOCA RATON, FL, 33432 EMAIL:

> FEMA Flood Elevation: Property is located in Zone AE 6 on the December 2019 Preliminary FIRM, Panel 576J (6.00 NAVD)

Grade Elevation: Property is located landward of the CCCL (Coastal Construction Central Line) therefore the grade elevation should be BFE + 1 (6.00 NAVD + 1.00 = 7.00

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.2 ELEVATIO	NS
4 5 04	

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A.3.01 SECTIONS

PARKING/APARTMENTS - SECTIONS

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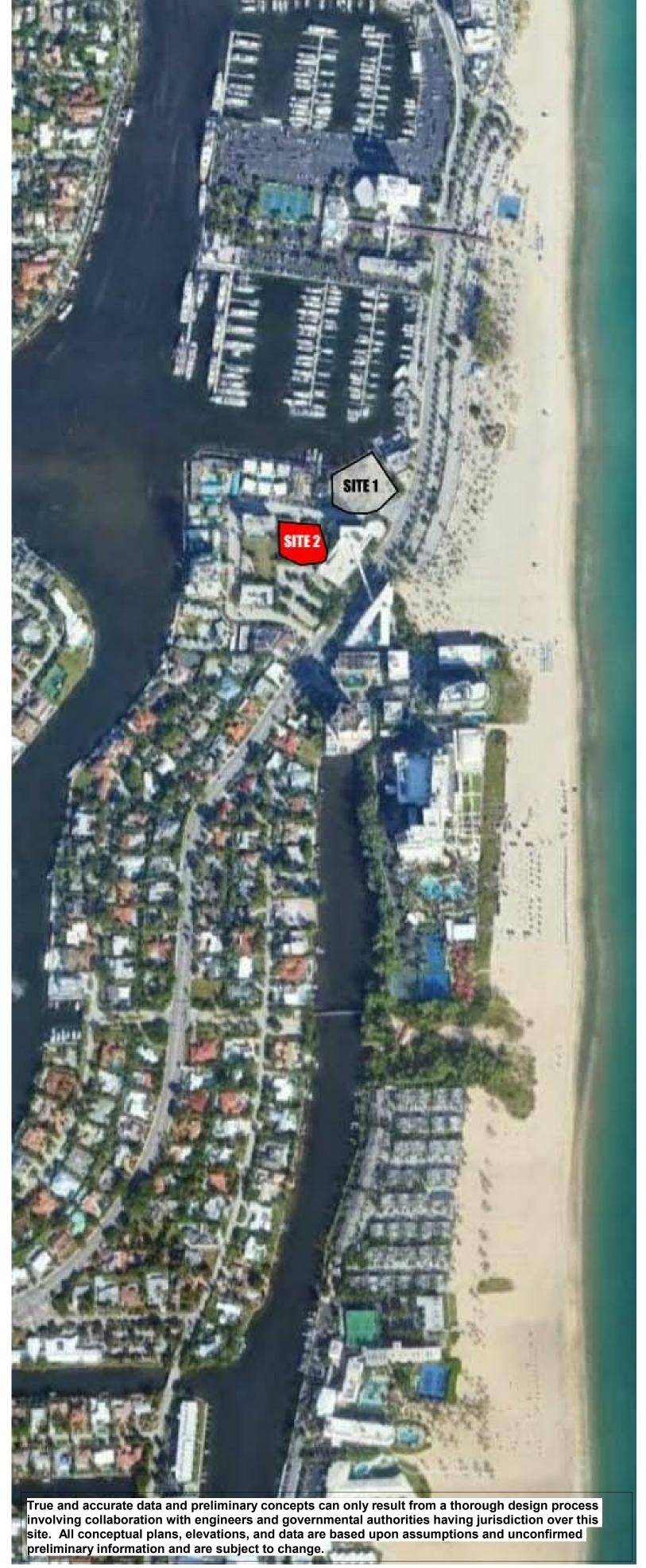
LIFE SAFETY LIFE SAFETY A-7.1.03

ADA REQUIREMENTS :

DETAILS

(FBC ACCESIBILITY 2008.2) FOR BUILDINGS WITH 201-300 SPACES, 7 PARKING SPACES ARE RÉQUIRED TO BE ADA. (FBC ACCESIBILITY 502) OF THE ADA SPACES, 1 IN 6 MUST BE ADA VAN





DEVELOPMENT/ PROJECT NAME	BAHIA CABANA APARTMENT BUILDING	SITE PLAN LEVEL III
DEVELOPMENT/ PROJECT ADDRESS	3018 HARBOR DRIVE; 3012 HARBOR DRIVE FT LAUDERDALE, FL, 33316	
LEGAL DESCRIPTION	OCEAN HARBOR 26-39 B LOT 12, OCEAN HARBOR 26-39 B LOT 13	
TAX ID FOLIO NUMBERS (FOR ALL PARCELS IN DEVELOPMENT)	FOLIO NUMBER: 504212240220, FOLIO NUMBER: 504212240240	
REQUEST/ DESCRIPTION OF PROJECT	12 STORY BLDG [6-STORY PARKING GARAGE, 5 STORIES FOR RESIDENTIAL USE, STORY COMMON ROOF TERRACE]	1
BUILDING YPE	•Apartement Bldg. R-2 Occupancy • Construction Type:IB , Noncombustible, sprinklered • Table 504.3 • Allowable Stories - 12 - FBC Table 504.4 • Allowable Area - Unlimited - FBC Structural frame - 2 hours • Bearing Walls - 2 hrs, or 1 hr where supporting a roof only • Floration of the support o	Table 506.2 • FBC Table 601 •
APPLICABLE CODES	2017 FLORIDA BUILDING CODE (6TH EDITION), Residencial units to comply with with Fair Housing Provisions per FBC Acessibility Code	

	EXISTING	PROPOSED			
LAND USE DESIGNATION	RMH-60	RMH-60			
ZONING DESIGNATION	RMH-60 Res. Multifam.High Rise/High Dens.	RMH-60 Res. Multifam. High Rise/High Dens.			
USE OF PROPERTY/ OCCUPANCY	00 RESIDENTIAL VACANT RESIDENTIAL	00 RESIDENTIAL VACANT RESIDENTIAL			
RESIDENTIAL SF (AND TYPE)	APARTMENTS= 26,322 SF BALCONIES A	APARTMENTS= 26,322 SF BALCONIES AND TERRACES= 12,094 SF			
NUMBER OF RESIDENTIAL UNITS	37 DWELLING UNITS	37 DWELLING UNITS			
NON-RESIDENTIAL SF (AND TYPE)	COMMON & SERVICE AREAS= 46,933 SF PARKING= 84,109 SF				
TOTAL BLDG. SF. (INCLUDE STRUCTURED PARKING)	167,364 SF				
SITE ADJACENT TO WATERWAY	No				

DIMENSIONAL REQUIREMENTS	REQUIRED/ PERMITTED	PROPOSED				
LOT SIZE (SF/ ACREAGE)	5,000 SF MIN	35,605 SF/ 43,560=0.817 ACRE				
LOT DENSITY RESIDENTIAL	48 D/UNITS PER ACRE X 0.817 ACRE=39 DWELLING UNIT	S37 DWELLING	7 DWELLING UNITS			
LOT WIDTH	50 MIN	120'-0"				
BUILDING HEIGHT (FEET/ LEVELS)	120' TO 240' UNDER COND. USE PERMIT	120'-0" (TO GRADE)				
STRUCTURE LENGTH	200'	141'-9"				
STRUCTURE WIDTH	200'	156'-6"				
FLOOR AREA RATIO	N/A	166,943 SF / 35,594 SF= 4.6 F.A.R.				
LOT COVERAGE	N/A	21,835 SF = 61%				
OPEN SPACE	N/A	13,770 SF				
LANDSCAPE AREA	35% MIN.	NAME LANDSCAPE	AREA % 12,379 SF 35%			
PARKING SPACES	180 (FOR SITES 1&2 SEE CHART CALCULATION BELOW)		S 1 AND 2 (SEE CHART)			
PARKING SPACES CALCULATION	65 TOTAL PARKING SPACES REQUIRED (SEE CHART CALCULATION BELOW)					
LOADING ZONE	NO LOADING ZONE REQUIRED TAB.1 SEC.47-20 NO LOADING ZONE REQUI		ZONE REQUIRED TAB.1 SEC.47-20			

REQUIRED/ PERMITTED

60'-0" (1/2 BLDG HEIGHT)

60'-0" (1/2 BLDG HEIGHT)

60'-0" (1/2 BLDG HEIGHT)

60'-0" (1/2 BLDG HEIGHT)

				•				
CONDO B	LDG	CONDO BLDG		CONDO BLDG				
AMENITIES		CORES & VERT	CORES & VERTICAL		2,419 SF			
RESTROOM 120 SF		CIRCULATION			1,140 SF			
	120 SF	ELEV. 2,832 SF		POOL EQUIP.	983 SF			
AMENITIES-OU	TDOORS	ELEV.	163 SF	STORAGE	1,186 SF			
CLUB HOUSE	770 SF	OVERRIDE			9,621 SF			
COMMON	5,488 SF	STAIR	4,921 SF	PARKING				
TERRACE			7,917 SF	PARKING	82,935 SF			
POOL	835 SF	CORRIDOR		PARKING	1,174 SF			
POOL DECK	3,394 SF	CORRIDOR	3,450 SF	RAMP	,			
	10,487 SF		3,450 SF		84,109 SF			
вон		LANDSCAPE		RESIDENTIAL				
DROP-OFF	1,315 SF	LANDSCAPE	12,772 SF	BALCONY	3,746 SF			
ELEV. VEST.	893 SF	PLANTER	384 SF	PRIVATE	8,223 SF			
GOLF CART	257 SF	RAISED	520 SF	TERRACE				
STORAGE		PLANTER		UNIT 701	624 SF			
LAUNDRY 1,688 SF			13,675 SF		1,201 SF			
LOADING	483 SF	LOBBY		UNIT 703	1,136 SF			
AREA		ADA LIFT	44 SF	UNIT 704	757 SF			
LOADING	1,380 SF	ADMIN.	671 SF	UNIT 705	1,207 SF			
DOCK	100.05	OFFICES	4 577 05	UNIT 801	628 SF			
STORAGE	129 SF	LOBBY	1,577 SF	UNIT 802	812 SF			
WASTE / RECYCLE	302 SF	MAIL	119 SF	UNIT 803	786 SF			
		RESTROOM	453 SF	UNIT 804	520 SF			
BUSINESS	6,447 SF	2,864 SF		UNIT 805	584 SF			
OFFICE	294 SF	MECH.		UNIT 806	612 SF			
OFFICE		DOM. WATER	144 SF	UNIT 807	712 SF			
294 SF		FIRE 242 SF		UNIT 808	700 SF			
CIRCULATION		COMMAND 477.05		UNIT 901	628 SF			
DRIVEWAY	2,047 SF	FIRE PUMP	177 SF	UNIT 902	812 SF			
LOADING DOCK RAMP	495 SF	FPL	408 SF	UNIT 903	782 SF			
PEDESTRIAN	111 SF	GEN.	452 SF	UNIT 904	519 SF			
ACCESS	''' 5'	MAINT.	327 SF	UNIT 905	563 SF			
	2,653 SF	MDF	234 SF	UNIT 906	612 SF			
L	_,,,,,,	MECH.	1,909 SF	UNIT 907	712 SF			

* SEE SETBACK STUDY SHEETA-1.02

FRONT [N]

SIDE [E]

REAR [S]

SIDE [W]

GHT)		PARKING GARAGE: 20'-0" POOL DECK: 45'-0" TOWER: 55'-0" ROOF TERRACE: 60'-0"							
CONDO E	N DG	Р	ARKING R	FO'D	нот	FI GU	FSTRO	OM.	
CONDOL)LDO	•		LQD	1101	LL_00	LOTINO		
INIT 908	700 SF					PARKI		PARKING	
INIT 1001	634 SF	UNIT	ГТҮРЕ	COL	JNT	FACTO	OR R	REQD' CAL	
INIT 1002	812 SF	HOTEL - GI	JESTROOMS	124		0.67			
INIT 1003	786 SF				ПОТ	EL DE		AI	
INIT 1004	520 SF	P	ARKING R	בעט	пОП	CL_KE	וואםטוכ	IAL	
INIT 1005	584 SF						PARKING	PARKIN	
INIT 1006	612 SF	UNIT	Г ТҮРЕ	BEDS	Dens	COUNT	FACTOR	REQD	
INIT 1007	712 SF	PH		3	1	4	2.1		
INIT 1008	698 SF	PH		4	1	2	2.2)	
INIT 1101	634 SF	TOTAL # O	TOTAL # OF UNITS & PARKING REQ'D 6						
INIT 1102	812 SF								
INIT 1103	786 SF								
INIT 1104	520 SF	PAR	(ING REQI	JIRED	AP	ARTME	ENT BUI	LDING	
INIT 1105	584 SF					1		T =	
INIT 1106	612 SF					UNIT	PARKING	PARKII	
INIT 1107	712 SF	LIMIT	UNIT TYPE DESCRIPTION			COUNT			
INIT 1108	698 SF	1 BED/ 1 DI				2		OALC	
	38,291 SF	1 BEDROOM			35				
TORAGE		TOTAL # OF UNITS & PARKING REQ'D			37		,		
LEV.	135 SF			NING	NEQD	31			
CONTROL		VISITOR (10% REQ) TOTAL PARKING REQUIRED (84+14+65+17)							
ROOM		IOTAL PAR	MING REQUI	IVED (0	4 - 14 - 0	3.17)			
ONG TERM	212 SF								
IKE TORAGE			D.4	DIZIN					
TORAGE		PARKING PROVIDED							

PROPOSED

PARKING GARAGE: 20'-0" TOWER: 55'-0"

PARKING GARAGE: 20'-0" POOL DECK: 45'-0" TOWER: 55'-0"

ROOF TERRACE: 60'-0"

PARKING GARAGE: 20'-0" TOWER: 55'-0"

ROOF TERRACE: 60'-0"

ROOF TERRACE: 60'-0"

DRC 74.06A 06/23/20 BAHIA CABANA_APARTMENT BUILDING 3012-3018 HARBOR DRIVE, FORT LAUDERALE, FL 33316

COVER SHEET

184 SF 8' - 8" x 18' ADA PARKING 34 SF 8' - 8" x 18' LIFT 10' - 6" CLR 48 SF 8' - 8" x 18' LIFT 12' - 2" CLR

997 SF 8' - 8" x 18' LIFT 14' - 0" CLR

180,924 SF 8' x 18' TYPICAL PARKING 12' - 0" x 18' ADA VAN ACCESSIBLE





SCHEMATIC DESIGN 74.06A_HOTEL 02/12/20

BAHIA CABANA HOTEL 3001-3007 HARBOR DRIVE, FORT LAUDERALE, FL 33316

SITE PLAN

A-1.00 adache group architects