

4540 NORTH BAY ROAD MIAMI BEACH, FLORIDA 33140

CLIENT

4540 NBR LLC ADDRESS: 655 MADISON AVE 11 FL

NEW YORK, NY 10065

SAOTA

DESIGN ARCHITECT

ADDRESS: 109 HATFIELD STREET, GARDENS, CAPETOWN, 8001 SOUTH AFRICA PHONE: +27(0)21.468.4400



ARCHITECT OF RECORD

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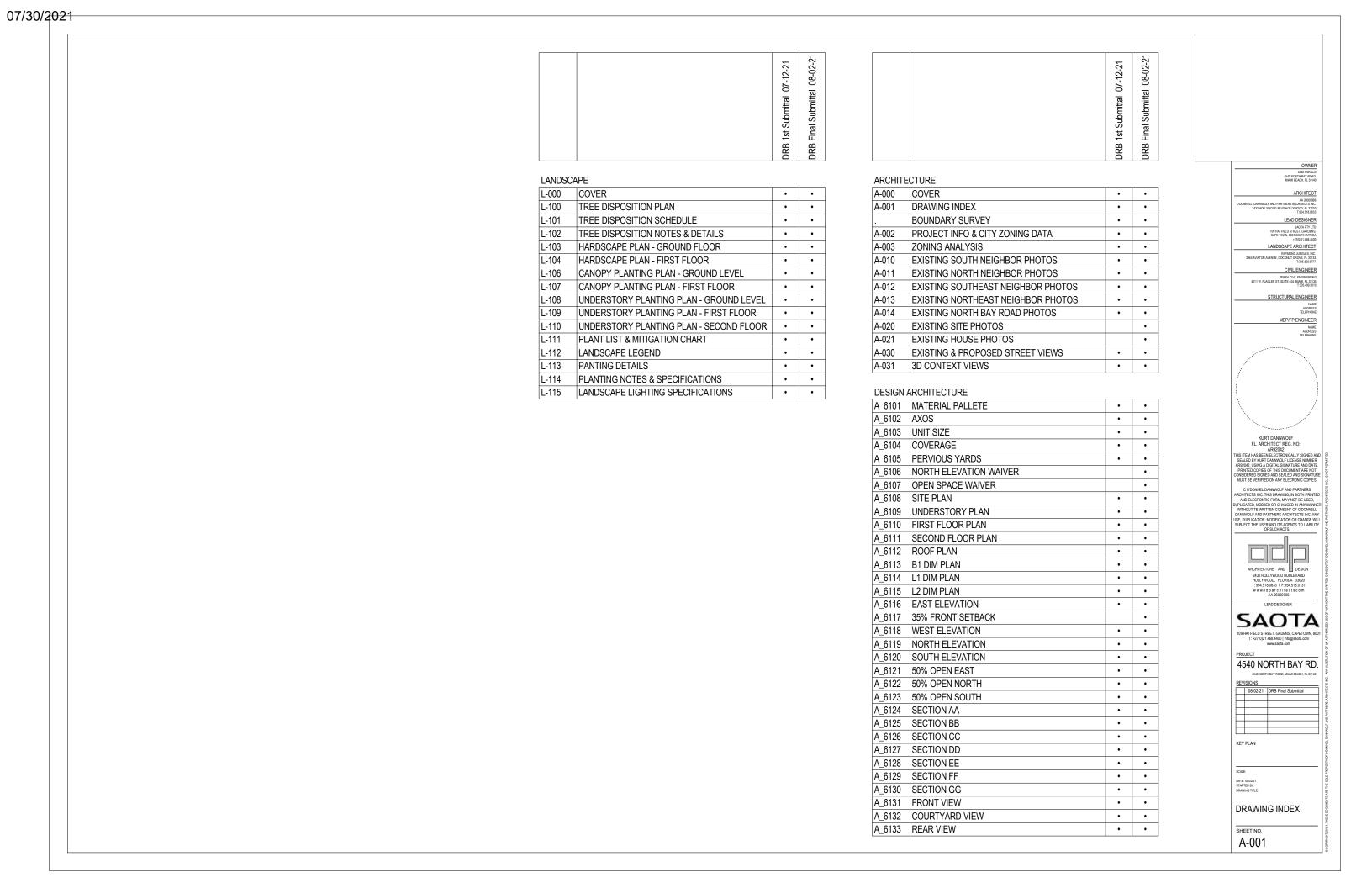
jungles

LANDSCAPE ARCHITECT

RAYMOND JUNGLES, INC.

ADDRESS: 2964 AVIATON AVENUE, COCONUT GROVE, FL 33133 PHONE: 305.858.6777

DESIGN REVIEW BOARD APPLICATION: DRB21-0711 FINAL SUBMITTAL 08-02-21



MIAMIBEACH

Planning Department, 1700 Convention Center Drive Miami Beach, Florida 33139, www.miamibeachfl.gov 305.673.7550

SINGLE FAMILY RESIDENTIAL - ZONING DATA SHEET

ITEM #	Zoning Information			
1	Address:	4540 NORTH BAY ROAD, MIAMI BEACH, FL 33140		
2	Folio number(s):	02-3222-011-0190		
3	Board and file numbers :	DESIGN REVIEW BOAR	D - DRB21-0711	
4	Year built:	1990	Zoning District:	R-2
5	Base Flood Elevation:	+8' NGVD (per 54-35)	Grade value in NGVD:	+4.00' NGVD
6	Adjusted grade (Flood+Grade/2):	+6.00' NGVD	Free board:	5'-0"
7	Lot Area:	22,885.40 SF		
8	Lot width:	111.05 FT (average)	Lot Depth:	207.35' (average)
9	Max Lot Coverage SF and %:	6,865 SF / 30%	Proposed Lot Coverage SF and %:	6,862.30 SF / 29.98%
10	Existing Lot Coverage SF and %:	6,378 SF / 27.87%	Lot coverage deducted (garage-storage) SF:	1,644.69 SF
11	Front Yard Open Space SF and %:	2,142.36 SF / 70.26%	Rear Yard Open Space SF and %:	2,645.12 SF / 70.81%
12	Max Unit Size SF and %:	11,442.70 SF / 50%	Proposed Unit Size SF and %:	11,369 SF / 49.68%
13	Existing First Floor Unit Size:	2,811 SF	Proposed First Floor Unit Size:	5,551 SF
14	Existing Second Floor Unit Size		Proposed Second Floor volumetric Unit Size SF and % (Note: to exceed 70% of the first floor of the main home require DRB Approval)	62,425 CF / 47.36%
15		2,085 SF	Proposed Second Floor Unit Size SF and %:	4,994 SF / 43.65%
16			Proposed Roof Deck Area SF and % (Note: Maximum is 25% of the enclosed floor area immediately below):	N/A

		Required	Existing	Proposed	Deficiencies
17	Height:	28 FT	28 FT	28'-0"	
18	Setbacks:		,		
19	Front First level:	30 FT	69.25'	30 '-0"	
20	Front Second level:	30 FT	69.25'	30 '-0"	
21	Side 1:	11.11 FT	8.14'	13'-10 1/2"	
22	Side 2 or (facing street):	11.11 FT	22.45	13'-10 1/2"	
23	Rear:	31.10 FT	62.39'	31'-1 1/4"	
	Accessory Structure Side 1:	N/A	N/A	N/A	
24	Accessory Structure Side 2 or (facing street) : N/A		N/A	N/A	
25	Accessory Structure Rear: N/A		N/A	N/A	
26	Sum of Side yard :	27.775'	30.59'	27'-9"	
27	Located within a Local Historic District?			NO	
28	Designated as an individual Historic Single Family Residence Site?			NO	
29	Determined to be Architecturally Significant?			NO	

Notes:

If not applicable write N/A

All other data information should be presented like the above format



PROPERTY INFORMATION AND DATA

PROPERTY ADDRESS: 4540 NORTH BAY ROAD

MIAMI BEACH, FLORIDA 33140

FOLIO NUMBER: 02-3222-011-0190

SUB-DIVISION: NAUTILUS

LEGAL DESCRIPTION: LOT 22, OF BLOCK 1, OF NAUTILUS SUBDIVISION, PLATBOOK 8, PAGE 95.

LOT DISTRICT:

FLOOD ZONE: ZONE AE-7

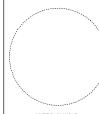
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LANDSCAPE ARCHITECT

CIVIL ENGINEER

STRUCTURAL ENGINEER

MEP/FP ENGINEER





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4540 NORTH BAY RD.

SCALE: 12" = 1'-0"

PROJECT INFO & CITY ZONING DATA

07/30/2021

		ALLOWER LANGUES	ppoposes / es susse	CUEET DEFENSE	MANUES DECLIFE
OPERTY ADDRESS	4540 NORTH BAY ROAD	ALLOWED / REQUIRED	PROPOSED / PROVIDED	SHEET REFERENCE	WAIVER REQUESTED
	MIAMI BEACH, FLORIDA 33140			1	
LIO NUMBER	02-3222-011-0190				
GAL DESCRIPTION	LOT 22, OF BLOCK 1, OF NAUTILUS SUBDIVISION, PLATBOOK 8, PAGE 95	+			
ONING DISTRICT	RS-2				
OT AREA	1 22 25 25 2	18,000 SF min	22,885.40 SF		
OT WIDTH NIT SIZE	111.05 FT (average) x 207.35 FT (average) Minimum	75 FT min 1,800 SF mln	111.05 FT (average) N/A	A 6103	
NIT SIZE	Maximum 50% of lot area	11,442.7 SF max	11,369 SF = 49.68%	A_6103	+
Additional Requirements	For 2-story w/lot coverage 25% or greater, at least 35% of 2nd floor along front elevation set back 5' min	5 FT min additional	5' Provided for 50.17%	A 6117	1
Understory Areas	Open min 50% an each side	50%	50.17%; 60.70%; 61.37%	A_6121-23	
	Enclosed parking & storage areas not counted provided do not exceed 600 SF	600 SF max not counted	600 SF not counted	A_6103	
	Driveway width not to exceed 30% of lot width; width less than 9° & greater than 18°	.30 x 111.1 = 33.33 FT	(2) @ 9'-0" / 18'-0" total	A_6108	
	70% of required front & side yards shall be sodded or landscaped pervious open space	70%	70.26%	A_6105	
OT COVERAGE	30% maximum för a 2-story Höme (% of lot area)	6,899 SF max	6,862 SF = 29.98%	A_6104	
	Eyebrows, roof overhangs, covered parches & terraces projecting max 5' from exterior wall not included	5' max from exterior wall	Provided	A_6104	
	Except driveways, walkways, transition areas, green infrastructure, existing landscape to be preserved	6.56' NGVD min 6' NGVD+30"=8'-6" NGVD	Provided +6' NGVD	A_6108 L-103	
	Maximum of 30" above adjusted grade (not to exceed min flood elevation plus freeboard) Not to exceed the base flood elevation + freeboard	6' NGVD+30"=8'-6" NGVD	+6' NGVD	L-103	1
near (waterman)	TVOLID CASES THE VASE HOOD CREVATION Y PRESIDENT	0 11012130 -0 0 11012	10 11010	2 200	
JILDING HEIGHT	Measured from the required base flood elevation for the lot, plus freeboard, to top of structural slab	28 FT max	28'-0"	A_6116-20	
	1' min freeboard per Sec. 54-35	+41'-0" NGVD	41'-0" NGVD	A_6106;6121-22	
	5' max freeboard per Sec. 54-35	(+8' BFE + 5' freeboard + 28')	41'-U" NGVD	SOURCE MOUTHELINE	
UMBER OF STORIES	above the base flood elevation, plus freeboard	2	2	A_6114-17;6121-22	
TBACKS					
Front Yard	For two-story structures	30 FT	30'-0"	A_6105	-
1200 100 10	At least 50% of required front yard area shall be sodded or landscaped pervious open space	50% min = 1,524.55 SF	1,802.08 SF = 59.10%	A_6105	1
Side Yard	Sum of required side yards shall be at least 25% of lot width	.25 x 111.1 FT = 27.775 FT	13'-10 1/2" x 2 = 27'-9"	A_6105	-
Interior	Each Interior side yard shall have a min of 10% of lot width or 10', whichever is greater	.10 x 111.1 FT = 11.11 FT 60 FT max	13'-10 1/2" 64'-4 1/2"	A_6105 A 6106-07	×
	2-story side elevations parallel to side property line shall not exceed 50% of lot depth or 60' whichever is less -open to the sky from grade	60 FI Max	50% open w/pergola	A_6106-07	x
	open to the sxy from grade -at least 8' in depth measured perpendicular from min rea'd side setback line	8 FT	8 FT	A_6106-07	x
	-SF not less than 1% of lat area	229.98 SF	108 SF	A_6106-07	x
	-elevation of apen space shall not exceed elevation of first habitable floor		Provided	A 6106-07	x
Rear Yard	15% of lot depth, 20 ' min, 50' max	.15 x 207.35 FT = 31.10 FT	31'-1 1/4"	A_6108	
(10000000000000000000000000000000000000	70% shall be sadded ar landscaped pervious open space. Water portion of swimming pool counted	70%	70.81%	A_6105	
LLOWABLE ENCROACHMENTS					
Accessory Building					
	shall be included in overall lot coverage calcs; may be constructed in rear yard (25% max)		N/A		-
Size	shall be included in overall unit size calcs	F FT	N/A		-
Separation	10' min to interior lot or to required side setback, whichever is greater; 15' when facing a street	5 FT min 11.1 FT	N/A N/A		+
Setbacks (2-story	15' from rear of property	15'	N/A		
Heigh	2 stories. Measured from the required base flood elevation for the lot, plus 1' freeboard	20 FT max	N/A		1
	+8' NGVD + 1' freeboard + 20'	+29'-0" NGVD	N/A		1
Use					
Pool & mechanical	To rear ar interior lot line	5 FT	5'-0 3/4"	A_6108;6127	
equipment	Max height, including attached screening elements	5 FT max above BFE	5'-0"	A_6127	
0294		10 FT max above grade	9'-0 1/4"	A_6127	1
Driveways	From each side property line	4 FT	4'-0"	A_6108	+
Fences, Walls, Gates		+			
	Shall not exceed 5' height measured from grade*. Increase 1' per 2' setback up to 7' max total height	5 FT + 2FT add'l = 7 FT max	7 FT (w/4' setback)	A 6108;6129	1
Rear or Side yard		7 FT max	7 FT	A_6108;6127-30	
Hot Tubs,		100,000			Î
	Setback to rear or interior lat line	7.5 FT min	7.5 FT	A_6108	
ilets, Decks		20 - 2702 10 00 1 112 00	120.00 2 2224	A C400 C115	+
Declarie	30% max of required rear yard	.30 x 3702.18 SF = 1,110.65 SF	129 SF = 3.48%	A_6108;6110	
Projections Roof overhang	Distance of 25% max of required yard, up to maximum of 6'	3'-5 1/2"(side);6'-0"(rear)	3'-1; 3'-5 1/2"	A_6126;6130	+
Ornamental feature (Pergola		6'-0"	6'-0"	A_6126;6129	
Planter		3'-5 1/2"	2'-7 1/2"	A_6128	
	Not to exceed 4' in height measured from finish floor of primary structure	4 FT max	3'-1 1/2"	A_6128	
Porches, platforms, terrace	5	.25 x 31.05' = 7'-9 1/8"	3'-0 1/2"; 7'-8 1/2"	A_6108;6126	
	Up to 30" above adjusted grade, up to 1st habitable floor elevation		Provided	A_6108;6126	
Walkway		44" max	44"	A_6127;6130	
Swimming Pools			8	St. 1 (2) (y) and the little of the little o	
Rear setbac	To pool deck ar platform, exterior face of infinity edge pool catch basin, screen enclasure	6 FT min	6 FT	A_6108;6110;6126	1
***	To waters edge of pool or to waterline of catch basin of infinity edge pool	7.5 FT min	7.5 FT	A_6108;6110;6126	
Side Interior setbac	To pool deck or platform, exterior face of infinity edge pool catch basin, screen enclosure	7.5 FT min	Provided	A_6108;6110	+
141-II. P	To waters edge of pool or to waterline of catch basin of infinity edge pool	9 FT min	Provided Provided	A_6108;6110	_
Walk Space	Between pool walls/fences/screen enclosure	18" wide min	Provided	A_6108;6110	
	Non-climbable, self-closing/locking gate, 4' tall		Provided	A_6108;6110	1

ARCHITECT

AN 28000998
O'DONNELL DANNWOLF AND PARTNERS ARCHITECTS INC.
2432 HOLLYWOOD BLVD HOLLYWOOD, FL 38223
1564-516-0833 TS45-58 (803)

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277(9)21 868-840)

LANDSCAPE ARCHITECT

RIMMEND JANGLES, NC.
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206 868-877 CIVIL ENGINEER TERRA CIVIL ENGINEERING 4011 W. FLAGLER ST. SUITE 404, MIAMI, FL 33134 T.305.499.5010 STRUCTURAL ENGINEER MEP/FP ENGINEER

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AA 26000996 LEAD DESIGNER 4540 NORTH BAY RD.

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ZONING ANALYSIS

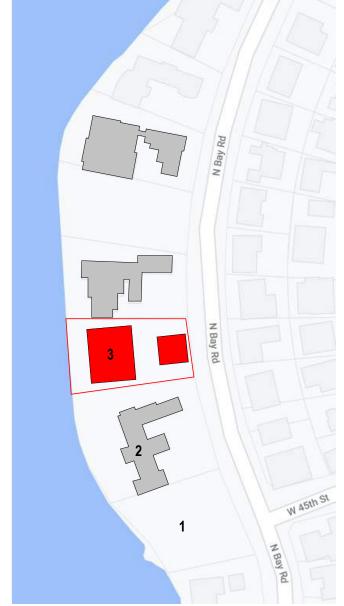
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4540 NORTH BAY ROAD



4462 NORTH BAY ROAD





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EXISTING SOUTH NEIGHBOR PHOTOS



4520 NORTH BAY ROAD

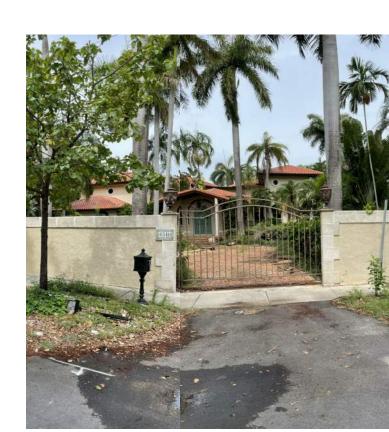








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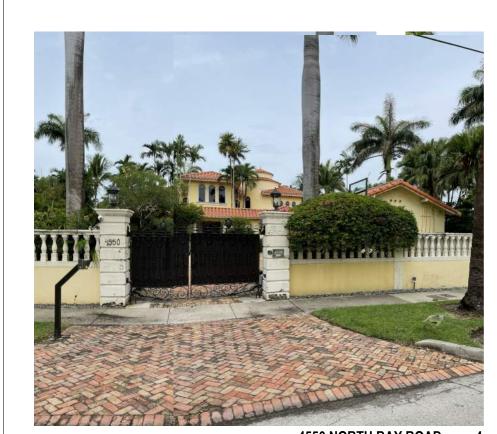
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4501 NORTH BAY ROAD





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4591 NORTH BAY ROAD



4565 NORTH BAY ROAD



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4555 NORTH BAY ROAD







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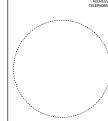


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EXISTING NORTH BAY ROAD PHOTOS



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LEAD DESIGNER

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4540 NORTH BAY RD.

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08-02-21 | DRB Final Submittal

KEY PLAN

SCALE: DATE: 08/02/21 STARTED BY:

EXISTING SITE PHOTOS

SHEET NO. A-020

THESE DOCUMENTANCE THESE DOCUMENT







WEST ELEVATION 5 SOUTHWEST ELEVATION







SOUTHEAST / SOUTH ELEVATION 2 EAST ELEVATION 2 NORTHEAST ELEVATION 1

OWNER
4540 NBR LLC
4540 NORTH BAY ROAD,

ARCHITEC

AA 280009
D'DONNELL DANNWOLF AND PARTNERS ARCHITECTS IN

LEAD DESIGNER

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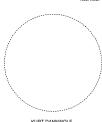
LANDSCAPE ARCHITECT RAYMOND JUNGLES, INC.

2964 AVIATON AVENUE, COCONUT GROVE, FL 33133 T:305.868.6777

TERRA CIVIL ENGINEERING 4011 W. FLAGLER ST. SUITE 404, MIAMI, FL 33134 T:305.499.5010

STRUCTURAL ENGINEER

MEP/FP ENGINEER



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REVISIONS

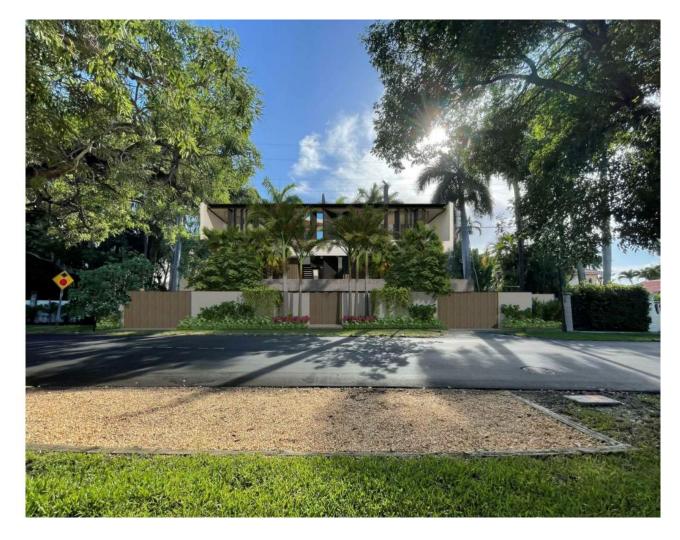
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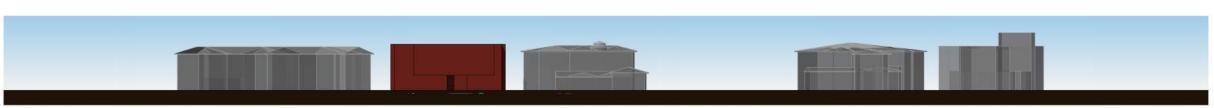
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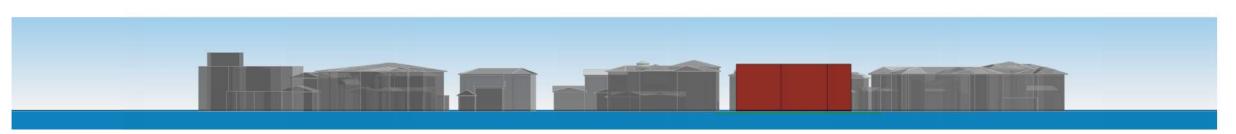




1 PROPOSED 3D CONTEXT AERIAL LOOKING SW



3 POPOSED 3D CONTEXT EAST ELEVATION



4 PROPOSED 3D CONTEXT WEST ELEVATION

LEAD DESIGNER

CIVIL ENGINEER

STRUCTURAL ENGINEER





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3D CONTEXT VIEWS

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MATERIAL PALLETE

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> LEAD DESIGN SAOTA PTY

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LANDSCAPE ARCHITECT

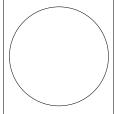
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T:305.499.50

ADDR ADDR

MEP/FP ENGINEER NAME



KURT DANNWOLF FL. ARCHITECT REG. NO: AR92042

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08-02-21 DRB Final Submittal

KEY PLAN

SCALE:

DATE: 08/02/21 STARTED BY: DRAWING TITLE:

MATERIAL PALLETE

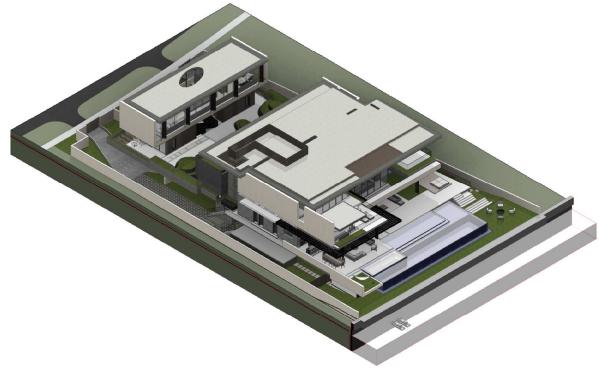
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1 AXO 01

4 AXO 03



2 AXO 02



3 AXO 04

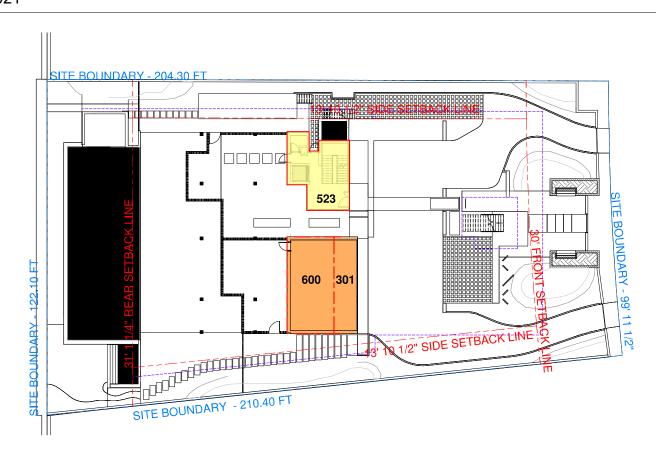


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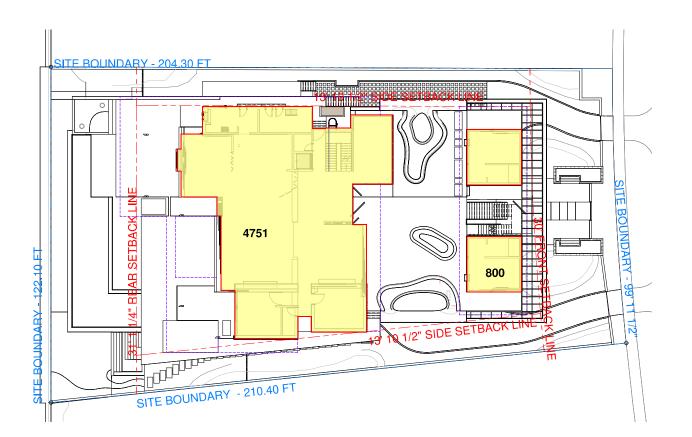
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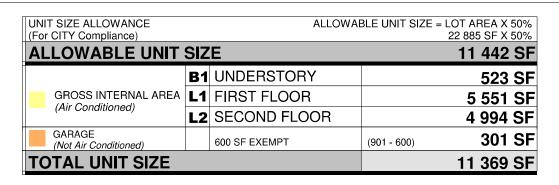
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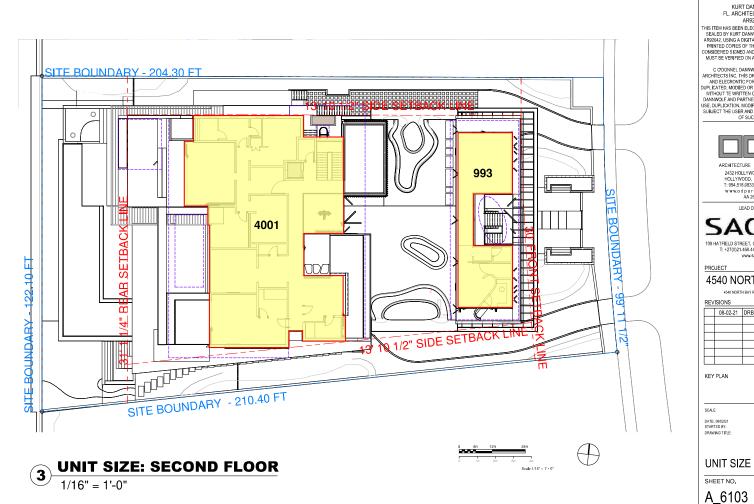
1/16" = 1'-0"



UNIT SIZE: FIRST FLOOR 1/16" = 1'-0"



* UNDERSTORY INT AC ALLOWANCE: 5% OF 22 885 SF (LOT AREA) = 1 144 SF

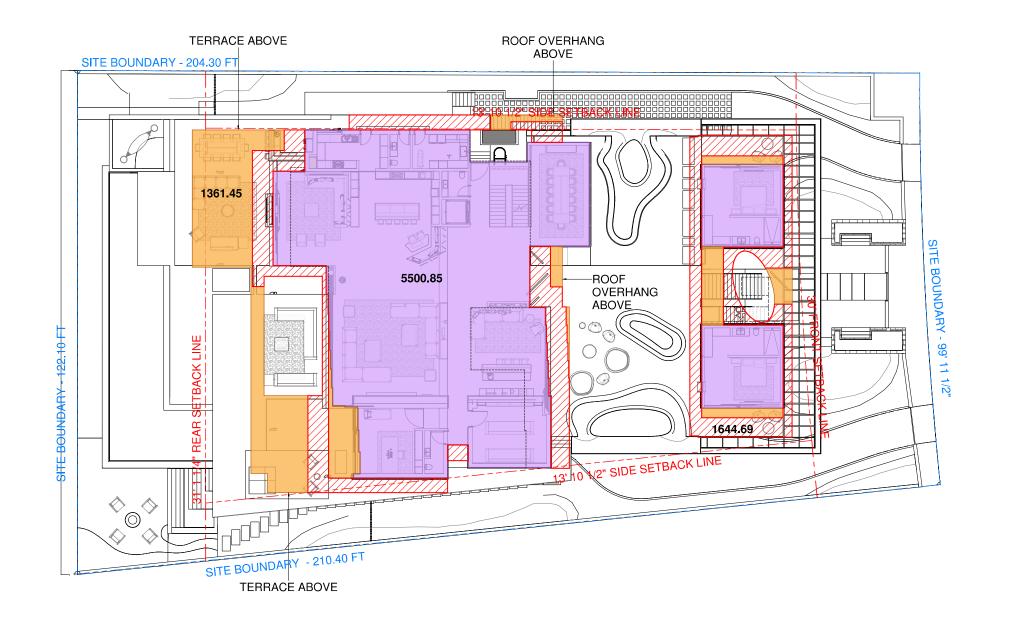


ARCHITECT LEAD DESIGNER ANDSCAPE ARCHITECT CIVIL ENGINEER MEP/FP ENGINEER SAOTA 109 HATFIELD STREET, GADENS, CAPETOWN, 800 T: +27(0)21.468.4400 | info@saota.com www.saota.com 4540 NORTH BAY RD. 08-02-21 DRB Final Submittal

COVERAGE ALLOWANCE (For CITY Compliance)	ALLOWABLE COVERAGE = LOT AREA X 30% 22 885 SF X 30%
ALLOWABLE COVERAGE	6 865 SF
FIRST FLOOR	5 500.85 SF
SECOND FLOOR	1 361.45 SF
TOTAL COVERAGE	6 862.30 SF

COVERAGE EXEMP	PTION
5FT PROJECTIONS	1 644.69 SF

^{*} UNDERSTORY NOT INCLUDED IN COVERAGE



COVERAGE3/32" = 1'-0"







OWNER 4540 NBR LLC 4540 NORTH BAY ROAD, MIAM BEACH, FL 33140 ARCHITECT LEAD DESIGNER LANDSCAPE ARCHITECT CIVIL ENGINEER TERRA CIVIL ENGINEERING 4011 W. FLAGLER ST. SUITE 404, MIAMI, FL 33134 T:305,499,5010 MEP/FP ENGINEER KURT DANNWOLF
FL ARCHITECT REG. NO:
AR92042
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AR92042, USING A DIGITAL SIGNATURE AND DATE.
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	AR YARD PERVIOUS ALLOWANCE r CITY Compliance)		
MI	NIMUM PERVIOUS REAF	RYARD	70%
	PERVIOUS	191	1.65 SF
	POOL ABOVE ADJUSTED GRADE	146	6.95 SF
	HARDSCAPE	35	6.79 SF
TC	OTAL REAR YARD	3735	.39 SF

PERVIOUS	1911.65 SF
50% POOL	733.47 SF
TOTAL PERMEABLE	2 645.12 SF

PERCENTAGE ACHIEVED	70.81 %
---------------------	---------

FRONT YARD PERVIOUS ALLOWANCE (For CITY Compliance)	
MINIMUM PERVIOUS FRO	NT YARD 70%
PERVIOUS	1802.08 SF
POND	340.28 SF
HARDSCAPE	906.58 SF
TOTAL FRONT YARD	3048.94 SF
PERVIOUS	1802.08 SF
100% POND	340.28 SF

906.58

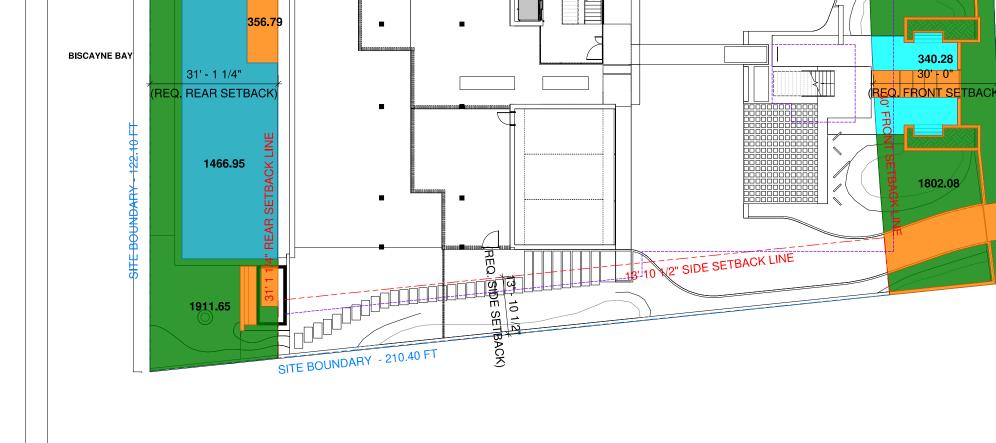
11 1/2"

FRONT YARD PERVIOUS ALLOWANCE (For CITY Compliance)	
MINIMUM PERVIOUS FROI	NT YARD 70%
PERVIOUS	1802.08 SF
POND	340.28 SF
HARDSCAPE	906.58 SF
TOTAL FRONT YARD	3048.94 SF
PERVIOUS	1802.08 SF
100% POND	340.28 SF
TOTAL PERMEABLE	2142.36 SF

PERCENTAGE ACHIEVED

LANDSCAPE ARCHITECT TERRA CIVIL ENGINEERING 4011 W. FLAGLER ST. SUITE 404, MIAMI, FL 33134 T:305.499.5010 MEP/FP ENGINEER 2432 HOLLYWOOD BOULEVARD HOLLYWOOD, FLORIDA 33020 T: 954.518.0833 | F:954.518.0131 w ww.odparchitects.com AA 26000996 **SAOTA** 4540 NORTH BAY RD.

ARCHITECT





SITE BOUNDARY - 204.30 FT

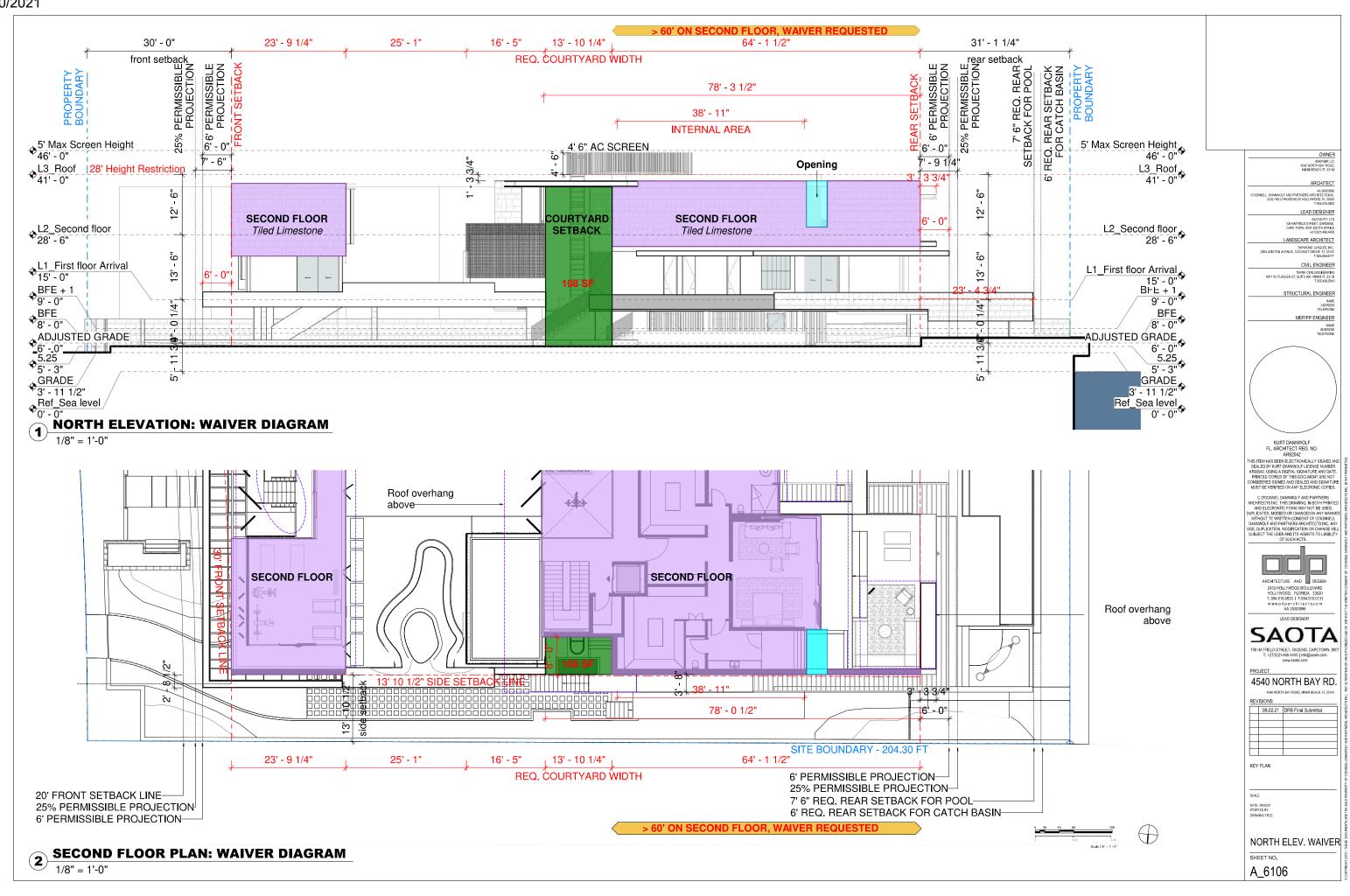




70.26 %



PERVIOUS YARDS A_6105



07/30/2021 **OPEN SPACE WAIVER REQUEST** = LOT AREA X 1% = 22885 X 1% OPEN SPACE REQUIREMENT (For CITY Compliance) 228 SF **REQUIRED OPEN SPACE** 108 SF PROVIDED OPEN SPACE 108 SF 100% open to sky 0.4 % % (of lot size) 13' Side * OPEN SPACE DOES NOT MEET THE REQUIREMENT OF SITE BOUNDARY - 204. OPEN TO SKY FROM GRADE **ROOF PLAN** 50% open to sky $(\mathbf{1})$ pergola above 3/32" = 1'-0"

SITE BOUNDARY - 204.30 F

SITE BOUNDARY - 204.30 F

SITE BOUNDARY

64' - 1 1/2"

SECOND FLOOR PLAN
3/32" - 11 2"

3 FIRST FLOOR PLAN

UNDERSTORY PLAN

NORTH ELEVATION

3/32" = 1'-0"

5' Max Screen Height 46' - 0" L3_n00" 41' - 0"

L1_First floor Arrival BF15' - 0

ADJUSTED GRADE 6' - 0"

GRADE 3' - 11 1/2" Rel__56a level 0' - 0"

L2_Second floor 28' - 6"

9' 0"

BFE ∕8' - 0"

5.25 5' - 3"

3/32" = 1'-0"

3/32" = 1'-0"

00% open to sky above

00% open to sky

100% open to sky

100% open to sky

50% open to sky

pergola above

50% open to sky pergola above

SODDED

16' - 5" 13' - 10 1/4'

108 SF

13' 10 1/2" SIDE SEE BACK HINE

25' - 1"

50% open to sky

pergola aove-

23' - 9 1/4"

5' Max Screen Height
46' - 0"

Lo_noof28' Height Restriction
41' - 0"

L2_Second floor 28' - 6" L1_First floor Arrival 15' - 0" 9' - 0"

8' - 0"
ADJUSTED GRADE
6' -0"
5: - 3"
GRADE
3' - 11 1/2"
nef sea revel
0' - 0"

8' - 0"

<u>8</u>

