

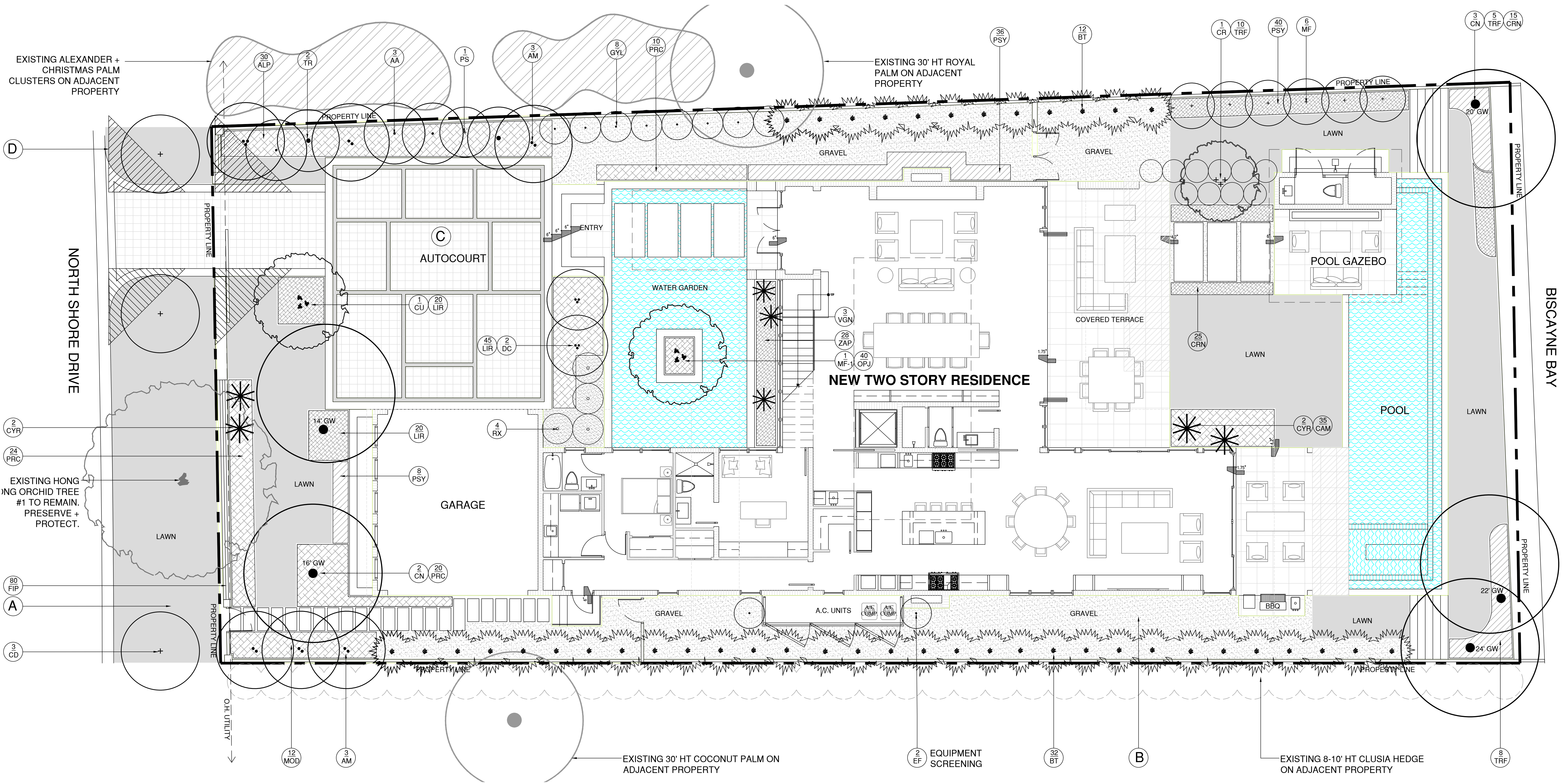
1. **SHALL ANY EXISTING TREES BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND/OR REPLACEMENT. ANY CORRECTIVE ACTIONS REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH MIAMI BEACH CODE, THE MOST CURRENT ANISA 300 PRUNING STANDARD AND THE CITY OF MIAMI BEACH TREE WORK PERMIT. ANY CORRECTIVE PRUNING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST AND THE CITY URBAN FORESTER SHALL BE CONSULTED.**
2. **CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCING THROUGH EXISTING TREE OR PALM DRIPLEADS OF TREES RELATED TO REMAIN IN PLACE OR BE RELOCATED. IF CONSTRUCTION REQUIRES THE CUTTING OF ANY ROOTS WITH A DIAMETER OF 2" OR GREATER, ROOTS SHALL BE CLEANLY CUT WITH A SHARP TOOL, AS DIRECTED BY AN ISA CERTIFIED ARBORIST, AND IN ACCORDANCE WITH THE ANSI A 300 STANDARDS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL, TO PREVENT DRYING. ROOTS SHOULD NOT BE TORN OR BURNED. ANY EQUIPMENT SHEDDED, RAGGED OR BROKEN ROOT ENDS SHOULD BE LEFT. THE CITY URBAN FORESTER SHALL BE NOTIFIED IN WRITINGS AND/OR CONSULTED PRIOR TO ANY ROOT PRUNING TAKING PLACE.**
3. **SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ONSITE, DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE PERFORMED BY AN ISA OR ASCA CERTIFIED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A 300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES. THE CITY URBAN FORESTER SHALL BE PROVIDED WITH A WRITTEN COPY OF THE PROPOSED PRUNING PLAN INCLUDING THE REASONS WHY PRUNING IS NECESSARY, PRIOR TO THE PRUNING ACTIVITIES TAKING PLACE.**
4. **ANY ROOT PRUNING, IF REQUIRED DURING THE PROJECT, SHALL BE CONDUCTED UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST OR ASCA CONSULTING ARBORIST. ANY ROOT PRUNING, IF REQUIRED, WILL BE LIMITED TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION, ADDITIONALLY, AND ROOT PRUNING WORK WILL BE DOCUMENTED WITH COLOR PICTURES AND PROVIDED MR. MARK WILLIAMS AT C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT + MR. RICARDO GUZMAN AT C.M.B. PLANNING + ZONING DEPARTMENTS ON A REGULAR BASIS.**

1. THIS 'EXISTING TREE INVENTORY + DISPOSITION PLAN' HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION AND PROTECTION ORDINANCE.
2. EXISTING TREE, PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY 360 SURVEYING + MAPPING LLC, DATED 03.10.15
3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 02.17.17
4. MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A DBH BETWEEN 6" AND 12" INCHES. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH GREEN SPACE MANAGEMENT / P+W FOR THE REMOVAL OF TREES / PALMS WITH A DBH GREATER THAN 12" INCHES OR IN THE R.O.W.
5. THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. w/ A D.B.H. OF LESS THAN 6" WITHOUT OBTAINING A TREE REMOVAL PERMIT.
6. THERE ARE NO TREES OR PALMS LOCATED ON THIS PROPERTY THAT WILL REQUIRE TEMPORARY IRRIGATION. ALL EXISTING TREES ARE MATURE AND ARE CURRENTLY THRIVING WITHOUT SUPPLEMENTAL IRRIGATION WATER.

NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS	PERMIT REQUIREMENTS P-2 / GPM / PW / NA
#1	Hong Kong Orchid Tree	<i>Bauhinia × blakeana</i>	YES	+/- 12"	+/- 20'	+/- 25'	GOOD	REMAIN	491 SF	0.5F	PRESERVE + PROTECT	NA - NO PERMIT REQUIRED
#2	Pigeon Plum	<i>Coccoloba diversifolia</i>	NO	+/- 4"	+/- 20'	+/- 8'	FAIR	REMOVE	50 SF	0.5F	POOR FORM, GROWING INTO TREE #1.	GREEN SPACE MANGMT / PW
#3	Hong Kong Orchid Tree	<i>Bauhinia × blakeana</i>	NO	+/- 10"	+/- 20'	+/- 20'	FAIR	REMOVE	314 SF	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#4	Umbrella Tree	<i>Schefflera actinophylla</i>	NO	+/- 10"	+/- 30'	+/- 20'	FAIR	REMOVE	314 SF	314 SF	PROHIBITED SPECIES. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#5	Sabal Palm	<i>Sabal palmetto</i>	NO	+/- 10"	+/- 15'	+/- 12'	GOOD	REMOVE	113 SF	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	NA - NO PERMIT REQUIRED

1. PROPER EROSION AND SEDIMENT CONTROLS MUST BE INSTALLED BEFORE ANY SOIL DISTURBING ACTIVITIES CAN BEGIN.
2. THE STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
3. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.

 TREE or PALM TO BE REMOVED. SEE CHART L-1.  
 TREE TO REMAIN. PRESERVE + PROTECT  
 TREE PROTECTION FENCE



LANDSCAPE PLAN LEGEND

- A 'EMPIRE TURF' ZOYSIA GRASS - OVER 2" TOPSOIL BED, SEE PLANTING SPECS
- B 3/8" RED DECOMPOSED GRANITE AGGREGATE OVER FILTER FABRIC
- C CONCRETE PAVERS w/ ARTIFICIAL TURF INFILL. (+/- 110 SF)
- D 15' SITE TRIANGLES AS PER CMB STANDARDS

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 741 SF AS REQUIRED BY THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION AND PROTECTION ORDINANCE HAS BEEN MET AND EXCEEDED. A TOTAL 2,200 SF OF CANOPY HAS BEEN PROVIDED.

CANOPY MITIGATION SUMMARY

- (1) NATIVE CLUSIA ROSEA TREES: 300 SF (MB category I @ 300 SF each)
- (1) NATIVE SEA GRAPE TREE: 300 SF (MB category I @ 300 SF each)
- (3) NATIVE PIGEON PLUM TREES: 450 SF (MB category II @150 SF each)
- (7) NATIVE SIMPSON'S STOPPER TREES: 700 SF (MB category III @100 SF each)
- (2) NATIVE SPANISH STOPPER TREES: 200 (MB category III @100 SF each)
- (5) COCONUT PALMS: 250 SF (MB category IV @ 50 SF each)



PLANT LIST - 865 NORTH SHORE DRIVE

KEY	NATIVE	QTY.	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TREES					
CD	YES	3	PIGEON PLUM	Coccoloba diversifolia	65 gallon, 12' height, 5' spread, standard, single leader, Treeworld Wholesale
CR	YES	1	PITCH APPLE TREE	Clusia rosea	Specimen, 18' height min, multi, canopy to clear roof line of gazebo,
CU	YES	1	SEAGRAPE TREE	Coccoloba uvifera	100 gallon, 14-16' height, 7-8' spread, multi, character trunks
EF	YES	2	SPANISH STOPPER	Eugenia foetida	15 gallon, 8' height min, full to base
MF	YES	6	SIMPSON STOPPER TREE	Myrcanthes fragrans	100 gallon, 12' height min, 5' spread min, standard, Treeworld Wholesale
MF-1	YES	1	SIMPSON STOPPER TREE	Myrcanthes fragrans	Specimen, 200 gall, multi, 14' height minimum
PS	NO	1	POWDER PUFF TREE	Calliandra surinamensis	65 gallon, 12-14' height x 6-8' spread, 2.5" caliper, equal to Treeworld Wholesale
PALMS + BAMBOO					
AA	NO	3	KING ALEXANDER PALM	Archontophoenix alexandrae	Field grown, 20-25' overall height, full
AM	NO	6	CHRISTMAS PALM	Adonidia merrillii	Varied heights, 12-16' height, trunks as shown on plan, full heads
BT	NO	44	GRACEFUL BAMBOO	Bambusa textilis 'Gracilis'	15 gallon, 18' height, full
CN	NO	5	COCONUT PALM	Cocos nucifera	Florida fancy, leaning trunks, see landscape plans for gray wood heights.
DC	NO	2	CABADA PALM	Dypsis cabadae	12-17' height, container grown full to base, equal to Treeworld Wholesale
RX	NO	4	LADY PALM	Rhapis excelsa	10 gallon, 4' height min.
TR	YES	2	THATCH PALM	Thrinax radiata	45 gallon, single leader, 8' overall height, equal to Treeworld Wholesale
SHRUBS + VINES					
CRN	NO	30	DWARF CLUSIA 'NANA'	Clusia rosea 'nana'	3 gallon, space 18" on center
FIP	NO	80	CREeping FIG	Ficus pumila	1 gallon, 18" on center, full, plant both sides of front property line wall
GYL	YES	8	CRABWOOD	Gymnanthes lucidum	15 gallon, 8' height, 4" spread, full to base
PSY	YES	90	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	3 gallon, full, space 18" on center
TROPICALS, GROUNDCOVERS, + ACCENTS					
ALP	NO	30	RED GINGER	Alpinia purpurata	3 gallon, full, low branched, 30" on center
CAM	NO	35	NATAL PLUM	Carissa macrocarpa	3 gallon, 12" height x 12" spread min, full, 18" on center
CYR	NO	4	KING SAGO	Cycas revoluta	15 gallon, 4' height X 4' spread
LIR	NO	85	LILYTURF GRASS	Liriope musc 'Evergreen Giant'	3 gallon, space 18" on center
OPJ	NO	40	MONDO GRASS	Ophiopogon japonicus	1 gallon, full, 6" on center
MOD	NO	12	SWISS CHEESE PLANT	Monstera deliciosa	7 gallon, space 30" on center
PRC	NO	54	PHILODENDRON 'ROJO CONGO'	Philodendron 'Rojo Congo'	3 gallon, full, space 24" on center
TRF	YES	24	SILVER FAKAHATCHEE GRASS	Tripsacum dactyloides 'Silver'	3 gallon, space 30" on center, equal to Doug Ingrams Nursery
VGN	NO	3	VRIESIA GIGANTEA NOVA	Vriesia Gigantea Nova	3' height x 3' spread, full, equal to Bullis Bromeliads
ZAP	YES	28	COONTIE	Zamia pumila	7 gallon, full, space 18" on center

MIAMI BEACH LANDSCAPE LEGEND MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 26

ZONING: RS-3 LOT SIZE: 12,425 SF ACRES: 0.29

TREES

FRONT YARD - 2 TREES REQUIRED / 2 TREES PROVIDED  
REAR YARD - 3 TREES REQUIRED / 3 TREES PROVIDED

TOTAL OF 5 TREES REQUIRED FOR LOTS UP TO 6,000 SF.  
1 ADDITIONAL TREE IS REQUIRED FOR EACH ADDITIONAL 1,000 SF OF LOT AREA.

12,425 SF - 6000 SF = 6,425 SF = 7 ADDITIONAL TREES + 5 REQUIRED TREES = 12 TOTAL TREES  
REQUIRED / 12 TREES PROVIDED. (7 NATIVE SIMPSON STOPPERS + 1 NATIVE SEAGRAPE TREE  
+ 1 NATIVE PITCH APPLE TREE + 2 NATIVE SPANISH STOPPER TREES + 1 POWDER PUFF TREE)

DIVERSITY REQUIREMENT

6-10 REQUIRED TREES = 3 TREE SPECIES / 3 SPECIES PROVIDED

NATIVE TREES

30% OF REQUIRED TREES OR .30 X 12 = 3.6 NATIVE TREES REQUIRED / 11 NATIVE TREES  
PROVIDED  
(7 NATIVE SIMPSON STOPPERS + 1 NATIVE SEAGRAPE TREE + 1 NATIVE PITCH APPLE TREE + 2  
NATIVE SPANISH STOPPER TREES)

LOW MAINTENANCE TREES

50% OF REQUIRED TREES OR .50 X 12 = 6 NATIVE TREES REQUIRED / 11 LOW MAINTENANCE  
TREES PROVIDED (7 NATIVE SIMPSON STOPPERS + 1 NATIVE SEAGRAPE TREE + 1 NATIVE  
PITCH APPLE TREE + 2 NATIVE SPANISH STOPPER TREES)

STREET TREE REQUIREMENT

AVERAGE STREET TREE SPACING 20' ON CENTER  
NORTH SHORE DRIVE: 70 LF / 20 = 3.5 STREET TREES REQUIRED / 4 STREET TREES PROVIDED

SHRUBS

12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE or 12 X (15.5) =  
186 REQUIRED / 208 SHRUBS PROVIDED.

NATIVE SHRUBS

50% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE or .50 X 186 = 93 / 98 NATIVE SHRUBS  
PROVIDED  
8 NATIVE CRABWOOD SHRUBS + 90 NATIVE DWARF BAHAMA SHRUBS PROVIDED)

LARGE SHRUBS / SMALL TREES

10% OF TOTAL SHRUBS REQUIRED MUST BE LARGE SHRUBS OR SMALL TREES or .10 X 186 =  
18.6 = 18 LARGE SHRUBS / SMALL TREES PROVIDED (8 NATIVE CRABWOOD SHRUBS, 7 NATIVE  
SIMPSON STOPPER TREES +2 NATIVE SPANISH STOPPER TREES + 1 POWDERPUFF TREE  
PROVIDED)

NATIVE LARGE SHRUBS / SMALL TREES

50% OF TOTAL LARGE SHRUBS REQUIRED MUST BE NATIVE or .50 X 18.6 = 17 NATIVE  
SHRUBS/SMALL TREES PROVIDED (8 NATIVE CRABWOOD SHRUBS, 7 NATIVE SIMPSON  
STOPPER TREES +2 NATIVE SPANISH STOPPER TREES PROVIDED)

LAWN AREA

50% MAXIMUM OF LANDSCAPE AREA: NEW LAWN AREAS ARE LESS THAN 50% OF LANDSCAPE  
AREA

IRRIGATION SYSTEM

100% COVERAGE PROVIDED PURSUANT TO MIAMI DADE CODE

GROUND LEVEL LANDSCAPE PLAN  
MIAMI BEACH PERMIT SUBMITTAL



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DRAWN BY PP, CM  
DATE 03.24.17  
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REVISION

DATE

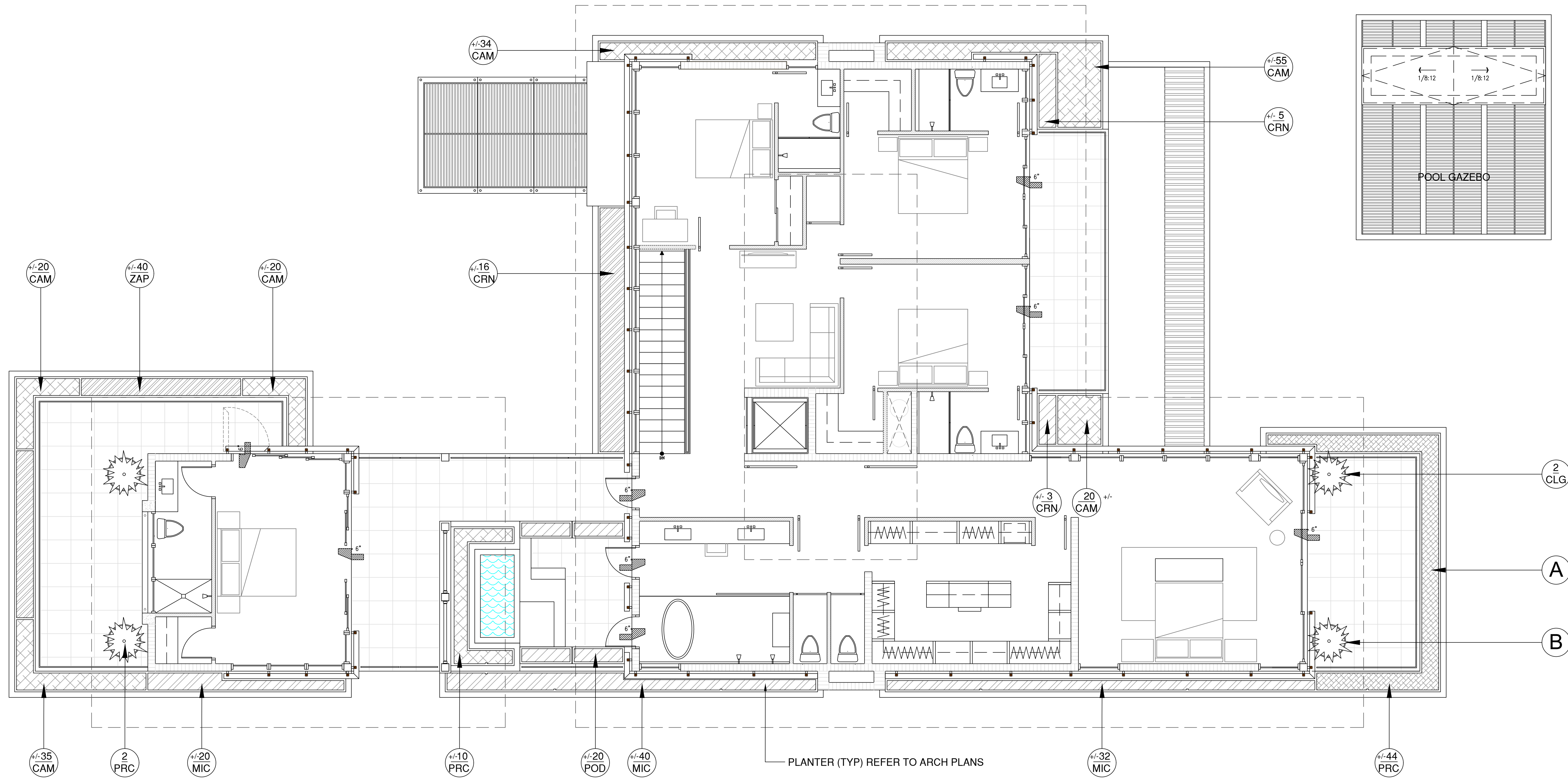
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TITLE: GROUND LEVEL LANDSCAPE PLAN

CHRISTOPHER CAWLEY, RLA  
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SHEET NO.: L2.0



#### LANDSCAPE PLAN LEGEND

A PLANTER. REFER TO ARCH + CIVIL PLANS FOR MORE INFO

B CONTEMPORARY POT TO BE SELECTED

**NOTE: ADJUST QUANTITIES AS NECESSARY TO CREATE FULL AND LUSH BEDS BASED ON PLANT MATERIAL SIZE**

#### ROOF DECK PLANTING NOTES

- IN MAIN PLANTER ABOVE SPA, PLEASE PROVIDE +/- (9) NEO TO BE PLANTED IN DOUBLE STAGGERED ROWS. PROVIDE 15 SF OF POLISHED RIVER ROCK AS MULCH. PLEASE SEE PLANT LIST ON SAME SHEET FOR MORE INFO.
- PLEASE PROVIDE (1) CONTEMPORARY PLANTER FOR SOUTHEAST CORNER. (1) SMALL LEAF CLUSIA SHRUB TO BE PROVIDED FOR POT. PLEASE SEE PLANT LIST ON SAME SHEET FOR MORE INFO.

#### PLANT LIST - 2ND LEVEL + ROOF DECK

KEY	NATIVE	QTY.	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TROPICALS, GROUNDCOVERS, + ACCENTS					
CAM	NO	+/- 180	DWARF CARISSA 'EMERALD BLANKET'	Carissa macrocarpa 'Emerald Blanket'	3 gallon, full + spreading, double staggered rows
CLG	NO	3	SMALL LEAF CLUSIA	Clusia guttifera	15 gallon, 3' spread x 4' height, full
CRN	NO	+/- 24	DWARF CLUSIA	Clusia rosea 'Nana'	7 gallon, full, single row
MIC	NO	+/- 92	WART FERN	Microsorium scolopendrium	3 gallon, full, double staggered rows
NEO	NO	+/- 9	GIANT APOSTLE IRIS	Neomarica 'Regina'	3 gallon, double staggered rows
POD	NO	+/- 20	PODOCARPUS	Podocarpus macrophyllus	TBD
PRC	NO	+/- 54	PHILODENDRON 'ROJO CONGO'	Philodendron 'Rojo Congo'	3 gallon, full, double staggered rows
PRC	NO	2	PHILODENDRON 'ROJO CONGO'	Philodendron 'Rojo Congo'	7 gallon, full
ZAP	YES	+/- 40	COONTIE	Zamia pumila	3 gallon, full, double staggered rows
SOD, AGGREGATE & MULCH					
MLC			DARK BROWN 'FLORI MULCH' SHREDDED ORGANIC MULCH (NO CYPRESS), TO BE DETERMINED		
PRR			+/- 14 SF of 1"-2" MIX OF POLISHED RIVER ROCK, COLOR TO BE SELECTED + APPROVED, 3" MIN. DEPTH, INSTALL OVER FILTER FABRIC		
CONTRACTOR TO PROVIDE IMAGES OF ALL MAJOR PLANT MATERIAL TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL BEFORE PURCHASE + INSTALLATION. LANDSCAPE CONTRACTOR TO MEET WITH LANDSCAPE ARCHITECT AND OWNER ON SITE TO REVIEW THE PROPOSED DESIGN PRIOR TO SUBMITTING A BID FOR THE PROJECT. THE LANDSCAPE CONTRACTOR IS TO PROVIDE AN ADDITIONAL ALLOWANCE OF \$5,000 DOLLARS FOR POTTED PLANTS + MISCELLANEOUS VEGETATION TO BE SELECTED DURING THE INSTALLATION OF THE PROJECT					

#### SECOND LEVEL + ROOF DECK LANDSCAPE PLAN MIAMI BEACH PERMIT SUBMITTAL



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