GENERAL LANDSCAPE NOTES

REFER TO ARCHITECTURE FOR SITE, BUILDING, AND ZONING INFORMATION.

1. 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

2. The Contractor is responsible to ensure proper watering and maintenance of new and relocated materials during the warranty period.

Contractor is to report any discrepancies between the construction drawings and field conditions to the Owner immediately

4. All planting materials shall meet or exceed Florida Grade # 1 as specified in Grades and Standards for Nursery Plants and Part II, Palms and Trees, current edition

5. Contractor shall familiarize himself/herself with existing site conditions prior to initiating planting. All existing site furnishings, paving, landscape and other elements to remain shall be protected from any damage throughout all construction phases unless otherwise noted.

6. Landscape Contractor shall coordinate all work with related contractors and with the general construction of the project in order not to impede the progress of the work of others or the Contractor's own work. Landscape contractor shall provide schedule of his/her works two weeks in advance, beginning two weeks prior to commencing landscape trade construction.

7. Contractor shall be responsible to remove existing ground cover for all planting beds as specified prior to planting relocated material. Contractor shall take every precaution to prevent damage to all utilities (both above and below ground) within the project area. Damage to shall be responsible to replace all portions of existing landscape and hardscape areas damaged while completing planting installation with same grass or materials species to the satisfaction of the Owner

8. The Contractor shall bear all costs of testing of soils, amendments, etc. associated with the work and included in the specifications. Prior to commencement of the landscape planting work the Contractor shall provide complete soil tests with recommendations for the installation area.

9. All plant material that may need to be replaced shall be in full and strict accordance to Florida No. 1 grade, according to the "Grades and Standards for Nursery Plants", published by the Florida Department of Agriculture and Consumer Services, the project manual and/or specifications. Plant material in some cases may exceed Florida No. 1 grade in order to meet the minimum requirements for the project.

10. Landscape Contractor shall field stake the location of all plant material prior to initiating installation for the review and approval of the Owner and/ or Landscape Architect.

11. Landscape Contractor shall field adjust location of plant material as necessary to avoid damage to all existing underground utilities and/or existing above ground elements. All changes required shall be completed at the Contractor's expense and shall be coordinated with the Owner and the Landscape Architect.

12. Any substitutions in size and/or plant material must be approved by the Landscape Architect or Owner prior to modification of the contract, purchasing and delivery of plants. All plants will be subject to approval by Landscape Architect and/or Owner before planting can begin. All plant materials will not include any plants considered to be invasive to South Florida's native plant communities.

13. Contractor shall refer to the landscape planting details, general notes and the project manual and/or specifications for further and complete landscape planting instructions

14. Landscape Contractor shall coordinate all planting work with permanent or temporary irrigation work. Landscape Contractor shall be responsible for all hand watering as required by Owner to supplement irrigation watering and rainfall.

15. Landscape Contractor shall be responsible for hand watering in all planting areas, regardless of the status of existing or proposed irrigation.

16. Landscape Contractor shall clean the work areas at the end of each working day. Rubbish and debris shall be collected and deposited off-site daily

All materials, products and equipment shall be stored in an organized fashion as directed by the Owner.

17. Landscape Contractor shall regrade all areas disturbed by plant removal, relocation and/or installation work. Landscape Contractor shall replace (by equal size and quality) any and all existing plant material disturbed or damaged by plant removal, relocation, and/or installation work.

18. Guying I staking practices shall not permit nails, screws, wires etc., to penetrate outer surface of tree or palm. Trees or palms rejected due to this practice shall be replaced at the Contractor's expense

19. Burlap material, wire cages, plastic straps, etc., must be cut and removed from top one - third (1/3) of root ball.

20. Trees grown in grow bags or grow bag type material are not allowed.

21. Plant size specifications take precedence over container size.

22. Contractor to verify quantities and report any discrepancies to Owner and/or Landscape Architect.

23. Remove and replace sidewalk. Reconstruct swale. Mill and resurface 2in. avg. using type S-III asphalt mix design on the driving lane. Any work and/or improvements to the right of way including landscaping and irrigation require a separate CMB Public Works Department ROW Construction Permit

24. The locations of hardscape and landscape, as shown in these plans, are approximate. The final locations may be adjusted to accommodate unforeseen field conditions, to comply with safety setback criteria, to avoid creating unsafe sight conditions, or as otherwise directed by or approved by the landscape architect.

25. Existing grades and existing site information shown on this plan is compiled from base information supplied by the surveyor and architect. The contractor is responsible for confirmation of actual site conditions. Urban robot accepts no responsibility for existing topographic and existing site information.

26. The general contractor shall require landscape installation sub-contractor to provide a detailed report and strategy for the transplanting, staging and reuse of any existing trees or palms within the proposed landscape plans. This shall be verified and approved by the landscape architect.

27. All dimensions and layout information is referenced to coordinates points provided on the survey.

28. The contractor shall verify all existing conditions prior to the commencement of work. Any discrepancies shall be reported to the owner's representative immediately

29. The contractor shall perform all work in accordance with all local, state and federal regulations and shall obtain all necessary permits for this project.

30. All site work shall be performed in accordance with landscape (I) and, if applicable, civil (c) drawing sets.

31. All notes and dimensions are typical unless otherwise noted.

32. All dimensions are square (parallel or perpendicular) unless otherwise noted. The contractor shall notify the owner/owner's representative immediately in the event of any discrepancies found in the documents and/or field, or of conditions uncovered in the work which are not reflected in

any utilities as a result of actions by the contractor shall be restored by the contractor, at his expense, to conditions equal to or better than before the damage was done

34. Any areas disturbed by equipment, material storage, demolition and/or installation procedures are to be restored to original (or better) condition by contractor before completion of project and are subject to approval by owner's representative. All existing grassed areas not adequately protected and therefore damaged during construction, shall be replaced by the contractor at no additional cost to the owner.

35. The contractor is responsible for keeping the site clean of miscellaneous debris throughout the construction period. All waste material is to be disposed of immediately to an off-site location, unless otherwise indicated on the plans.

36. Contractor is responsible for general clean-out of all drainage basins (new and existing), manholes and/or other drainage features which have accumulated sediment as a result of construction activities.

37. The contractor shall provide all equipment, labor, materials and related work necessary for the prevention and control of dust resulting from operations in the performance of work of this contract. All cost in connection there with shall be considered to be included in the various unit and/or lump sum prices bid for the various item as listed in the bid.

38. Contractor shall submit shop drawings and/or samples of all materials to landscape architect as required within the detail drawings and notes.

39. All installation shall comply with City of Miami Beach ordinances. All discrepancies shall be notified to Landscape Architect immediately.



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Jonathan W. Cardello, AIA

FL License No. AR93391

Landscape Plans

L1.1	Landscape Notes
L1.2	Arborist Report A
L1.3	Arborist Report B
L1.4	Tree Disposition Plan
L1.5	Tree Disposition Schedule
L1.6	Site Planting Plan
L1.6a	Site Planting Plan Bus Stop
	Removed Alternative
L1.7	Site Planting Schedule
L1.8	Mezzanine & Parking Roof
	Planting Plan
L1.9	Atrium Planting Plan
L1.10	Roof Planting Plan
L1.11	Planting Details

Michigan Avenue Miami Beach, Florida 411

Landscape Notes



07 FEBRUARY 2022

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ALVEY TREE CONSULTING LLC ALEXIS ALVEY ISA BOARD CERTIFIED MASTER ARBORIST® #NY-5539B

Arborist Report 411 Michigan Avenue Miami Beach

10/18/2021



Arborist Report

10/18/2021

Tree #1

Common Name

On October 13th, 2021 I visited the property located at 411 Michigan Avenue at the request of Urban Robot Associates. I evaluated the trees on the site in anticipation of new construction. For each tree, I confirmed species, location, and size (Height, Spread, DBH); evaluated condition (Poor, Fair, Good); provided relevant comments about health and condition; and took photographs. Street trees are included.

For tree disposition and Tree Protection Zones, please see the landscape plans. For trees and palms that are to remain, protective barriers shall be placed at the dripline or 10ft radius from being that are brief of the second states and the place of the shift of construction, and shall remain in place until development is completed and until the department authorizes their removal. Barriers shall be a minimum of 4th high, and shall be constructed of continuous chain link fence with metal posts at 8ft spacing, or of 2x4 posts with three equally spaced 2x4 rails. Posts may be shifted to avoid roots. No materials shall be placed or disposed of within the TPZ. Natural grade shall be maintained within the TPZ.

My findings are summarized in the following pages. This report shall in no shape or form be construed as a tree risk assessment which is beyond the scope of work written in the contractual agreement. Please feel free to contact me should any questions arise. Thank-you for the oppor-tunity to assist in this manner.



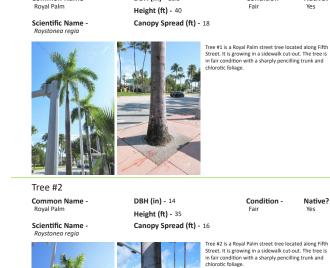
Alexis Alvey ISA Board Certified Master Arborist® #NY-5539B

Alvey Tree Consulting LLC 516-728-1366 alveytree@gmail.com alveytree.com

Property Location -411 Michigan Avenue Miami Beach, FL 33139

Client -Urban Robot Associates Justine Velez, RLA, Principal 420 Lincoln Road, Suite 600, Miami Beach, FL 33139 786.246.4857 / justine@urbanrobot.net

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DBH (in) - 16.5



Condition

Native?

Native?

Native?

Tree #10

Sabal Palm

Common Name

Tree #5 Common Name Green Buttonwood

Scientific Name -

Conocarpus erectu

DBH (in) - 48 Height (ft) - 28

Canopy Spread (ft) - 40





Tree #5 is a large Green Buttonwood street tree located along Fifth Street. t is growing in a planting swale that mately 13ft wide at its idest. the tree is multi-trunked and or condition. One main leade was hatracked previously, and now a dead trunk is present (circled in red, below left). Many of the trunks have included bark and there is decay in the tree coroth (circled in red, below right). The canopy hangs low over the street and sidewalk. One main leader spreads over the sidwalk with only approxi-mately for of overhead clearance. This is haardruot for taller pedestrains. A number of other limbs in the canopy have been hatracked. There are large surface roots throughout the entire planting swale area. If this tree is proposed to remain, a tree risk assessment is recommended. as hatracked previously, and now a

Condition

Native?



Tree #7

Common Name -Mahogany

Scientific Name -Swietenia mahaaoi



DBH (in) - 9.5 Condition -Native? Fair Height (ft) - 35 Canopy Spread (ft) - 12 #7 is a Mahogany located on the south side of the reperty. It is in fair condition with a narrow columnar abit. It is growing through the canopy of Brazilian tepper #6 and is competing with it. There is an injury to

hk that is closing over well (circled in red)



Mahogany

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ree #8 is a Mahogany located on the south side of the property. It is in poor condition with a small canopy. The

Condition

Tree #11 Common Name -Foxtail Palm

Scientific Name -Wodvetia bifurcato



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6



Condition Poor













Tree #6

Common Name DBH (in) - 16 Brazilian Pepper

Height (ft) - 35 Canopy Spread (ft) - 25





#6 is a Brazilian Pepper located on the south side of the most a brazinal repper located on the south side of the property. The tree is in good condition. It has a dense anopy and has grown quite tall for a Pepper. his species is highly invasive in South Florida and this



2

Common Name DBH (in) - 10.5 Height (ft) - 18 Scientific Name Canopy Spread (ft) - 8

Tree #8

Tree #9 Common Name

Height (ft) - 40 Canopy Spread (ft) - 15

Tree #9 is a Mahogany located on the south side of

the property. It is in poor condition. There is little that remains of the canopy. Many limbs have been remover and the tree has poor form. There is an injury on the ink where one limb split off.



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411



DBH (in) - 16 Height (ft) - 33 Canopy Spread (ft) - 18



- DBH (in) 13 Height (ft) - 30 Canopy Spread (ft) - 12



DBH (in) - 8.5

- Height (ft) 20 Canopy Spread (ft) - 15
- Tree #10 is a Sabal Palm located on the south side of the property. It is in good condition
 - Condition -Pool

Native? -

8

e #11 is a Foxtail Palm located on the south side of the perty. It is in poor condition with a pencilling trunk d chlorotic foliage.

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Condition -	Native? -
Fair	Yes

ree #3 is a Royal Palm street tree located along Fifth treet. It is growing in a sidewalk cut-out. The tree is a fair condition with a sharply pencilling trunk and rotic foliage.

ree #4 is a Royal Palm street tree located along Fifth treet. It is growing in a sidewalk cut-out. The tree is in ood condition with a healthy green canopy.

Condition

Native?



Condition

Native?

 \triangleleft **Arborist Report**

Tree #12				Notes - TPZ Calculations & Tree and Palm Relocation	Notes - Tree and Palm Relocation (Contd.)
<text><text><text></text></text></text>	of the pr	Condition - Poor	indition and has	<section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header></section-header>	 Trees and palms shall be planted so that the top of the rootball is flush with the existing grade. Ensure that deep planting does not occur. The tree and palm shall be centrally positioned in the planting hole and set straight, plumb or normal to the growth plattern prior to transplanting. Transplanted trees and palms shall be backfield with a uniform mix of 25% fully decomposed compost and 75% existing site soil cleaned free of weeds and rocks. Teess and palms shall be watered to eliminate air pockets in the backfill mix prior to mulching. A "soil bern shall be crated around the edge of the planting hole to hold water, or as per the Landscape Architect's Planting Details. Sinstall tree and palm bracing as per the Landscape Architect's Planting Details, to ensure stability of trees and palms. A fer transplanting trees and palms, the Landscape Contractor shall be responsible for watering to maintain soil moisture during the guarantee period. The following schedule is suggested: First month - Daily; Scoond month - 3 times per week; Third and Fourth month - 2 times per week; Last Eight months - 1 time per week. To trees over <i>A</i>" in caliper at the time of planting, the suggested schedule is: First 6 weeks - Daily; from 1.5 months to 6 months - 3 times per week, last 6 months - 1 time per week.

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9

ALVEY TREE CONSULTING

10

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Notes - Tree and Palm Protection

NOTES - IFEE and PAIM ProteCTION
1. Fences shall be erected to protect trees and paims to be preserved. Fences define a specific protection zone for each tree or group of trees. Fences shall be installed prior to the beginning of construction and are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Arborist. Refer to the Landscape Architect's Tree Protection Detail.
2. Construction trailers, traffic, and storage areas must remain outside fenced areas at all times.
3. All underground utilities and drain or irrigation lines shall be protectible the tree protection zone. If lines must traverse the protection area, disturbance shall be minimized by using techniques such as tunneling or boring.
4. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone.
5. Additional tree pruning required for clearance during construction must be approved by the Certified Arborist and shall be performed by trained arborists, not by construction personnel.

Additional tree pruning required for clearance during construction must be approved by the Certified Arborist and shall be performed prained arborists, not by construction personnel.
 If injury symmed by trained arborists, not by construction is hould be evaluated as soon as possible by the Landscape Contractor and the Certified Arborist should be notified immediately.
 Any grading, construction, is though the notified immediately.
 Any grading, construction, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
 All trees shall be irrigated at least two times a week. Each irrigation session shall wet the soil within the tree protec-tion zone to a depth of 30 inches.
 Before grading, pad preparation, or excavation for foundations, footings, walls, or trenching near trees the trees shall be root pruned at the edge of the tree protection zone by cutting all roots cleanly to a depth of 30 inches.
 Before grading, pad preparation, or construction shall be axy, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
 Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
 Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.

temporarily or permanently. 12. No burn piles or debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone. 13. Maintain fire-safe areas around the fences. Also, no heat sources, flames, ignition sources, or smoking is allowed

Mailtain mesare areas a

wood, plastic, or metal, and shall remain in place until development is completed. Protective barriers shall be in place prior to the start of any construction. 15. Understory plants within protective barriers shall be protected. 16. No excess oil, fill, equipment, building materials or building debris shall be placed within the areas surrounded by protective barriers, nor shall there be disposed of any waster material such as paints, oils, solvents, asphalt, concrete, motar or any other material harmful to trees or understory plants within the areas surrounded by protective barriers. 17. Trees shall not be braced in such a fashion as to scar, penetrate, perforate or otherwise inflict damage to the tree. 18. Natural grade shall be maintained within protective barriers. In the event that the natural grade of the site is changed as a result of site development such that the safety of the tree may be endangered, tree wells or retaining walk are remined

valis are required. 19. Fences and walls shall be constructed to avoid disturbance to any protected tree. Post holes and trenches located close to trees shall be dug by hand and adjusted as necessary, using techniques such as discontinuous footings, to avoid damage to major roots.

Note: Trees inherently pose a certain degree of hazard and risk from breakage. Jalure or other causes and conditions. Recommendations that are made are intended to minimize or reduce such hazardous conditions. However, there can be no guarantee or warrantly that efforts to discover or carrect unsigle conditions will prover future breakage or fullure, nor can there be any guarantee that al hazardous conditions have been detected. The client should not infer that a tree is gle either Recurse services have been commended or done to reduce risk, or because to a services have been encommended or done and excelf. It we the recommended have no services have been recommended or done and excelf. It we there are necessing and experiment was not all risks associated with pursuing consultants to advice and glub understands that he or he is engaged in securing professional consultation in the second s



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411 Michigan Avenue Miami Beach, Florida

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В Arborist Report



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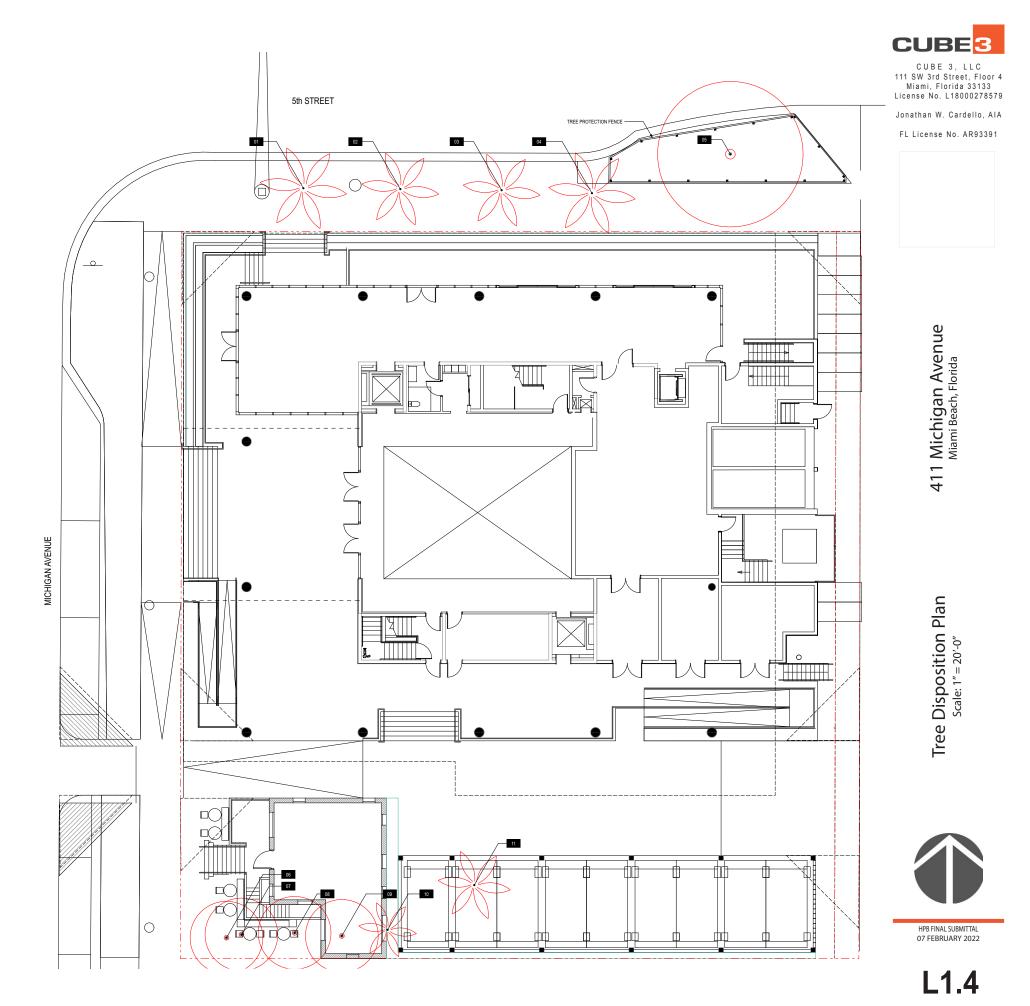
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LEGEND	
EXISTING TREE TO REMOVE	⊖ 000

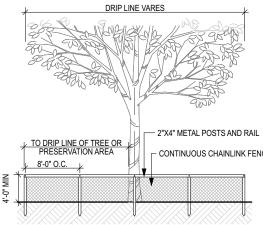
NOTE

REFER TO DISPOSITION FULL SCHEDULE ON SHEET L1.5

DISPOSITION SCHEDULE											
ID	Symbol	Botanical Name	Common Name	DBH	Height	Spread					
01	X	Roystonea regia	Royal Palm	16.5"	40'	18'					
02		Roystonea regia	Royal Palm	14"	35'	16'					
03		Roystonea regia	Royal Palm	17"	35'	16'					
04		Roystonea regia	Royal Palm	16"	33'	18'					
05	•	Conocarpus erectus	Green Buttonwood	48"	28'	40'					
06	•	Schinus terebinthifolius	Brazilian Pepper	16"	35'	25'					
07	•	Swietenia mahagoni	Mahogany	9.5"	35'	12'					
08	•	Swietenia mahagoni	Mahogany	10.5"	18'	8'					
09	•	Swietenia mahagoni	Mahogany	14.5"	40'	15'					
10	X	Sabal palmetto	Sabal Palm	13"	30'	12'					
11		Wodyetia bifurcata	Foxtail Palm	8.5"	20'	15'					



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Tree Protection Detail

NOT TO SCALE

2

NOTES:

. Protective barriers shall be placed at the drip line of each tree, cluster of trees, or preservation area, and in no case less than ten feet from the trunk of any protected tree, tree cluster or preservation area.

2. In situations where trees have been transplanted to the project site, the protective fencing shall be placed no closer to the tree than a point one to two feet outside the root ball, or at the drip line, whichever is greater. 3. Fenced tree protection zones shall be extended where necessary to protect tree canopies roots.

4. If trees are to be preserved in place and root pruning is required to accommodate new construction, the root pruning locations shall be identified and approved by the environment and sustainability department, and fencing shall be installed one to two feet beyond the edge of the root ball. The installation of the fencing shall be coordinated with any phased root pruning.

5. All protective barriers shall be installed prior to the start of any construction or site development, including tree removal, demolition or land-clearing activities, and shall remain in place throughout all phases of construction. Protective barriers shall be maintained in place until development is completed and shall not be removed until the environment and sustainability department inspects the site and authorizes their removal.

Understory plants within areas surrounded by protective barriers shall be protected.
 No disposal of any waste material such as paints, oils, solvents, asphalt, concrete, mortar, or any other material shall occur within the areas

- CONTINUOUS CHAINLINK FENCE 8. Natural grade shall be maintained on areas surrounded by protective barriers. In the event that the natural grade of the site is changed as a result of site development such that the safety of the tree may be endangered, tree wells or retaining walls are required. 9. Only hand digging and grading activities will be permitted within the tree protection zone. All surrounding areas must be graded to a point that

meets the outside of the tree protection zone. 10. Underground utility lines, including, but not limited to, irrigation, plumbing, electrical, or telecommunication lines, shall be placed outside the

areas enclosed by protective barriers. If such placement is not possible, disturbance and root damage shall be minimized by using techniques such as tunneling, hand digging, excavation with an air spade, or the use of overhead utility lines. 11. No vehicles or equipment shall be permitted within areas surrounded by protective barriers.

12. The cutting of roots with a diameter of two inches or larger is prohibited, unless there is no feasible alternative, as determined by the environment and sustainability director.

13. Trees shall be evaluated by the environment and sustainability director to determine whether the root cutting will destabilize the tree or cause unacceptable damage to the tree. 14. Root cuts shall be made, at minimum, a distance from the trunk equivalent to three times the tree's trunk diameter at four and one-half feet

above ground unless unavoidable because of sidewalks, pavement, or other infrastructure. Root cuts must be made at a distance from the trunk equivalent to five times the tree's DBH or greater in all other circumstances.

פוח	DISPOSITION SCHEDULE												CUBE 3
ID	Symbol	Botanical Name	Common Name	DBH	Height	Spread	Native	Condition	Protect	Remove	Relocate	Reason for Removal	CUBE 3, LLC 111 SW 3rd Street, Floor 4 Miami, Florida 33133 License No. L18000278579
01	×	Roystonea regia	Royal Palm	16.5"	40'	18'	Y	FAIR; FDOT ROW		x			Jonathan W. Cardello, AIA
02	×	Roystonea regia	Royal Palm	14"	35'	16'	Y	FAIR; FDOT ROW		х			FL License No. AR93391
03	×	Roystonea regia	Royal Palm	17"	35'	16'	Y	FAIR; FDOT ROW		x			
04	×	Roystonea regia	Royal Palm	16"	33'	18'	Y	FAIR; FDOT ROW		х			
05	•	Conocarpus erectus	Green Buttonwood	48"	28'	40'	Y	POOR; FDOT ROW		х			
06	•	Schinus terebinthifolius	Brazilian Pepper	16"	35'	25'	N	GOOD		х		INVASIVE	
07	•	Swietenia mahagoni	Mahogany	9.5"	35'	12'	Y	FAIR		х			Jue
08	•	Swietenia mahagoni	Mahogany	10.5"	18'	8'	Y	POOR		х			Aver
09	•	Swietenia mahagoni	Mahogany	14.5"	40'	15'	Y	POOR		х			Michigan Avenue ^{Miami Beach, Florida}
10	×	Sabal palmetto	Sabal Palm	13"	30'	12'	Y	GOOD		х			Mich
11	×	Wodyetia bifurcata	Foxtail Palm	8.5"	20'	15'	N	POOR		x			411

TOTAL TREES AND PALMS TO BE REMOVED	PROPOSED TREES — SEE PLANTING PLANS	R
TREES	STREET TREES	м
109" DBH	SMALL TREES: 19	4(
	19 Silver Buttonwoods*	
PALMS		T(
6	GROUND FLOOR	29
	SMALL TREES: 7	
SEC. 46-61 TREE REPLACEMENT	4 Simpson's stoppers*, 2 Silver Buttonwoods*, 1 White Tabebuia*	S
	LARGE TREES: 5	0
SMALL TREES: minimum of 2" DBH x 6' spread in canopy x 12' in height	2 Gumbo Limbo*, 3 Satin Leaf*	
LARGE TREES: minimum of 4" DBH x 8' spread in canopy x 16' in height		
PALMS: minimum 12 feet overall height with a two-inch DBH	UPPER STRUCTURE SMALL TREES: 3	
	2 Simpson's Stoppers*, 1 Olive Tree	
	LARGE TREES: 1	
	1 Water Chestnut	
	TOTAL PROPOSED	
	29 SMALL TREES + 6 LARGE TREES	
	*Native trees	

REQUIRED MITIGATION

MITIGATION FOR REMOVED TREES: 40 SMALL TREES OR 20 LARGE TREES

TOTAL PROPOSED:

29 SMALL TREES + 6 LARGE TREES

SHORTFALL:

SMALL TREES OR 0 LARGE TREES

Disposition Schedule Tree



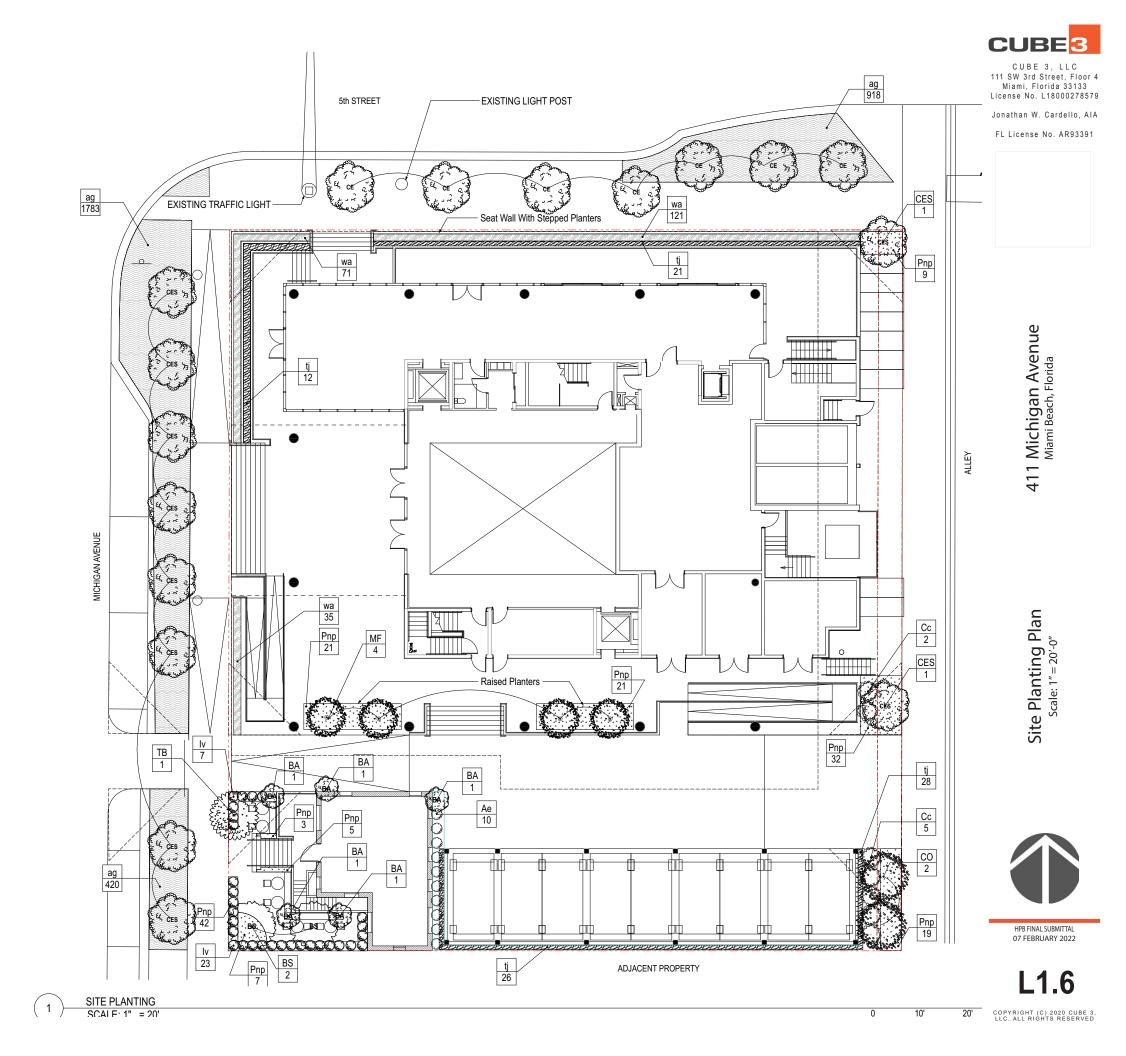
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TREE SCHEDULE								
Symbol	ID	Qty	Botanical Name	Common Name				
BS	BS	2	Bursera Simaruba	Gumbo Limbo				
S. B. S.	CE	7	Conocarpus erectus	Green Buttonwood				
	CES	2	Conocarpus erectus 'Sericeus'	Silver Buttonwood				
	CES	8	Conocarpus erectus 'Sericeus'	Silver Buttonwood				
	со	2	Chrysophyllum oliviforme	Satin Leaf				
0	MF	4	Myrcianthes fragrans	Simpson's Stopper				

SHRUB SCHEDULE									
Symbol	ID	Qty	Botanical Name	Common Name					
Ę	Ae	10	Ardisia escallonioides	Marlberry					
Control of the second s	Сс	7	Capparis cynophallophora	Jamaica caper					
Creation and Creat	lv	30	llex vomitoria 'nana'	Dwarf Yaupon Holly					
	Pnp	8	Psychodria nervosa "Little Psycho"	Dwarf Wild Coffee					

GROUNDCOVER & VINE SCHEDULE									
Symbol	ID	QTY	Botanical Name	Common Name					
(BA)	BA	3	Bougainvillea arborea	Vine Bougainvillea					
	ag	5361	Arachis glabrata	Golden Ornamental Peanut					
	tj	60	Trachelospermum jasminoides	Confederate Jasmine					
	wa	227	Wrightia antidysenterica	Asian Snow					

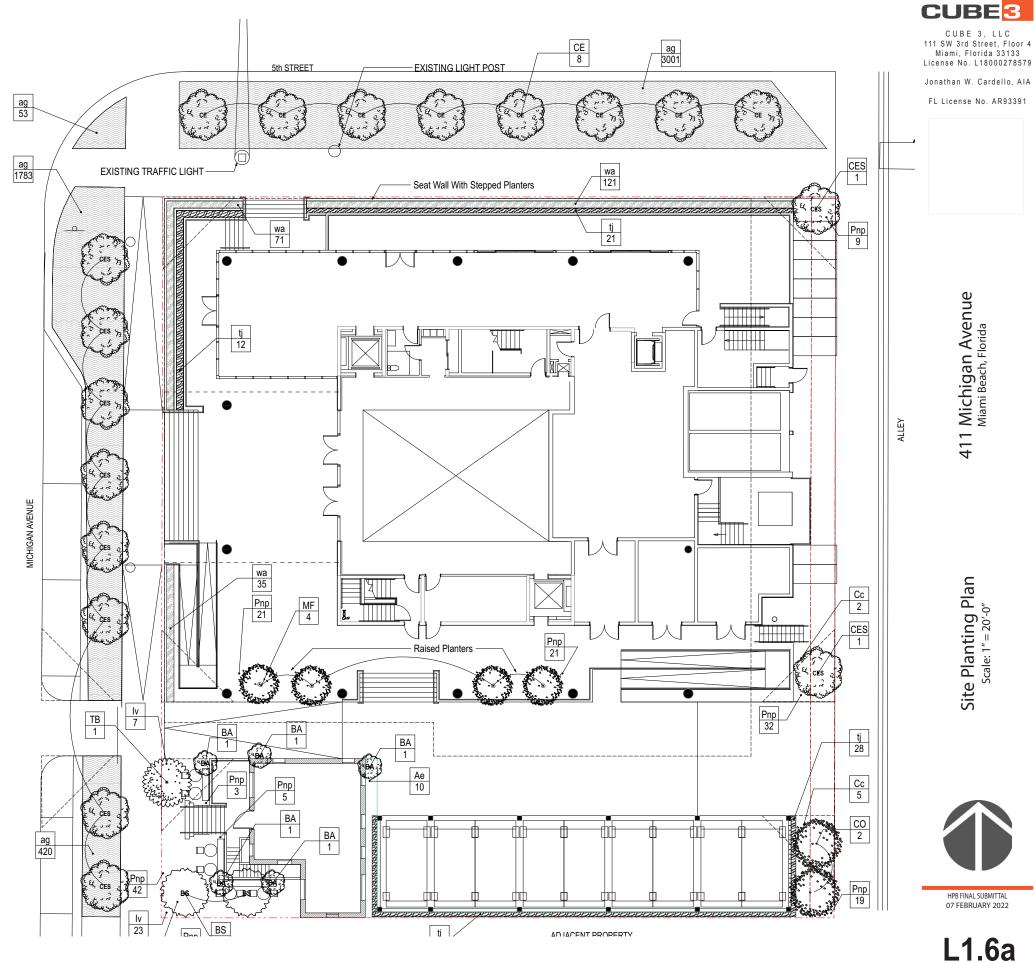


NOTE REFER TO PLANTING FULL SCHEDULE AND LANDSCAPE LEGEND ON SHEET L1.7

TREE SCHEDULE								
Symbol	ID	Qty	Botanical Name	Common Name				
BS 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	BS	2	Bursera Simaruba	Gumbo Limbo				
C CE CE	CE	8	Conocarpus erectus	Green Buttonwood				
C CES	CES	2	Conocarpus erectus 'Sericeus'	Silver Buttonwood				
	CES	8	Conocarpus erectus 'Sericeus'	Silver Buttonwood				
	со	2	Chrysophyllum oliviforme	Satin Leaf				
	MF	4	Myrcianthes fragrans	Simpson's Stopper				

SHRUB SCHEDULE									
Symbol ID		Qty	Botanical Name	Common Name					
Ę	Ae	10	Ardisia escallonioides	Marlberry					
وروس می روس می روس می	Сс	7	Capparis cynophallophora	Jamaica caper					
	lv	30	llex vomitoria 'nana'	Dwarf Yaupon Holly					
	Pnp	8	Psychodria nervosa "Little Psycho"	Dwarf Wild Coffee					

GROUNDCOVER	R & VINE S	CHEDU	E	
Symbol	ID	QTY	Botanical Name	Common Name
BA	BA	3	Bougainvillea arborea	Vine Bougainvillea
	ag	7,443	Arachis glabrata	Golden Ornamental Peanut
J.J.J.	tj	60	Trachelospermum jasminoides	Confederate Jasmine
	wa	227	Wrightia antidysenterica	Asian Snow



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LANDSCAPE LEGEND

CITY OF MIAMI BEACH		
LANDSCAPE LEGEND		
INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS Zoning District C-PS2 Lot Area 21,000 A	cres 0.48	_
	REQUIRED/	
OPEN SPACE	ALLOWED	PROVIDED
A. Square feet of required Open Space as indicated on site plan: Lot Area = <u>21,000</u> s.f.x <u>% = s.f.</u>		
B. Square feet of parking lot open space required as indicated on site plan:		
Number of parking spaces x 10 s.f. parking space =		
C. Total square feet of landscaped open space required: A+B=		
LAWN AREA CALCULATION		
A. Square feet of landscaped open space required		
B. Maximum lawn area (sod) permitted= <u>20</u> % x <u>21,000</u> s.f.	4,200	0
TREES		
A. Number of trees required per lot or net lot acre, less existing number of		
trees meeting minimum requirements=		
0.48 trees x22 net lot acres - number of existing trees=	10	11
B. % Natives required: Number of trees provided x 30% =	4	10
 % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%= 	6	11
D. Street Trees (maximum average spacing of 20' o.c.)		
0.48 linear feet along street divided by 20'=		
E. Street tree species allowed directly beneath power lines:		
(maximum average spacing of 20' o.c.): 150' <u>/20 + 140'/20</u> linear feet along street divided by 20'=	45 (0 . 7)	
	15 (8 + 7)	19
<u>SHRUBS</u>		
A. Number of shrubs required: Sum of lot and street trees required x 12=	300	199
B. % Native shrubs required: Number of shrubs provided x 50%=	113	196
A. Number of large shrubs or small trees required: Number of required shrub	bs	
x 10%=	30	25
B. % Native large shrubs or small trees required: Number of large shrubs or		
small trees provided x 50%=	15	22

Ground Level Tree Schedule ID Symbol Qty Botanical Name Common Name Cal Heigh BS 2 BS Bursera Simaruba Gumbo Limbo 16' min 4" min Conocarpus CE 7 Green Buttonwood 3" min 18' min erectus Conocarpus CES 2 16' min Silver Buttonwood erectus 'Sericeus' Conocarpus CES 8 Silver Buttonwood 3" min 16' min erectus 'Sericeus' C Chrysophyllum CO 2 6" Satin Leaf 16' min oliviforme Myrcianthes MF 4 Simpson's Stopper N/A 12' min fragrans Tabebuia White Tabebuia ТΒ 10' min 1 bahamensis

	Ground Level Shrub Schedule											
Symbol	ID	Qty	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Remarks		
Ę	Ae	10	Ardisia escallonioides	Marlberry	3 gal	2'	2'	See Plan	Y	Shrub		
المربولي من المربولي المربولي المربولي المربولي الم	Cc	7	Capparis cynophallophora	Jamaica caper	15 gal	4'	4'	See Plan	Y	Large Shrub		
recommendation of the second sec	lv	30	llex vomitoria 'nana'	Dwarf Yaupon Holly	7 gal	2'	2'	30" OC	Y	Shrub		
	Pnp	8	Psychodria nervosa "Little Psycho"	Dwarf Wild Coffee	3 gal	24"	24"	24"	Y	Shrub		

	Ground Level Groundcover & Vine Schedule											
Symbol	ID	QTY	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Area (sf)	Remarks	
BA	BA	3	Bougainvillea arborea	Vine Bougainvillea		8'-10'			N	0	Purple, Trained to Wood Trellis	
	ag	5361	Arachis glabrata	Golden Ornamental Peanut	1 gal			10"	N	1,891	Sidewalk improvements	
J J J	tj	60	Trachelospermum jasminoides	Confederate Jasmine	3 gal			5'	Y	311	Twining Vine	
	wa	227	Wrightia antidysenterica	Asian Snow	3 gal			10"	N	43	Lower Terrace	

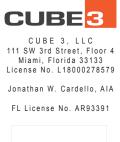
NOTE:

4 Additional trees on structure (1 Pachira aquatica, 2 Simpson's Stoppers, 1 Olive Tree)

1776 Additional shrubs on Roof (1776 Clusia Nana)

33 Additional large shrubs on Roof (33 Bougainvillea)

ght	Spread	Native	Remarks
1	10'	Y	Florida Fancy; 5'CT, Peeling Trunk. Lot Tree
1	10'	Y	6' CT, FL#1, Single Leader. Street Trees
1	10'	Y	4' CT, Florida Fancy, Multi- stemmed; Lot Tree
1	10'	Y	4' CT, Florida Fancy, Single Leader. Street Trees
ı	20'	Y	5' CT, Florida Fancy, Single Leader, Lot Tree
1	8'	Y	5' CT, Florida Fancy, Multi- stemmed; Lot Trees
1	10'	Y	4' CT; Florida Fancy; Multi- stemmed; specimen
		•	



411 Michigan Avenue Miami Beach, Florida

Site Planting Schedule



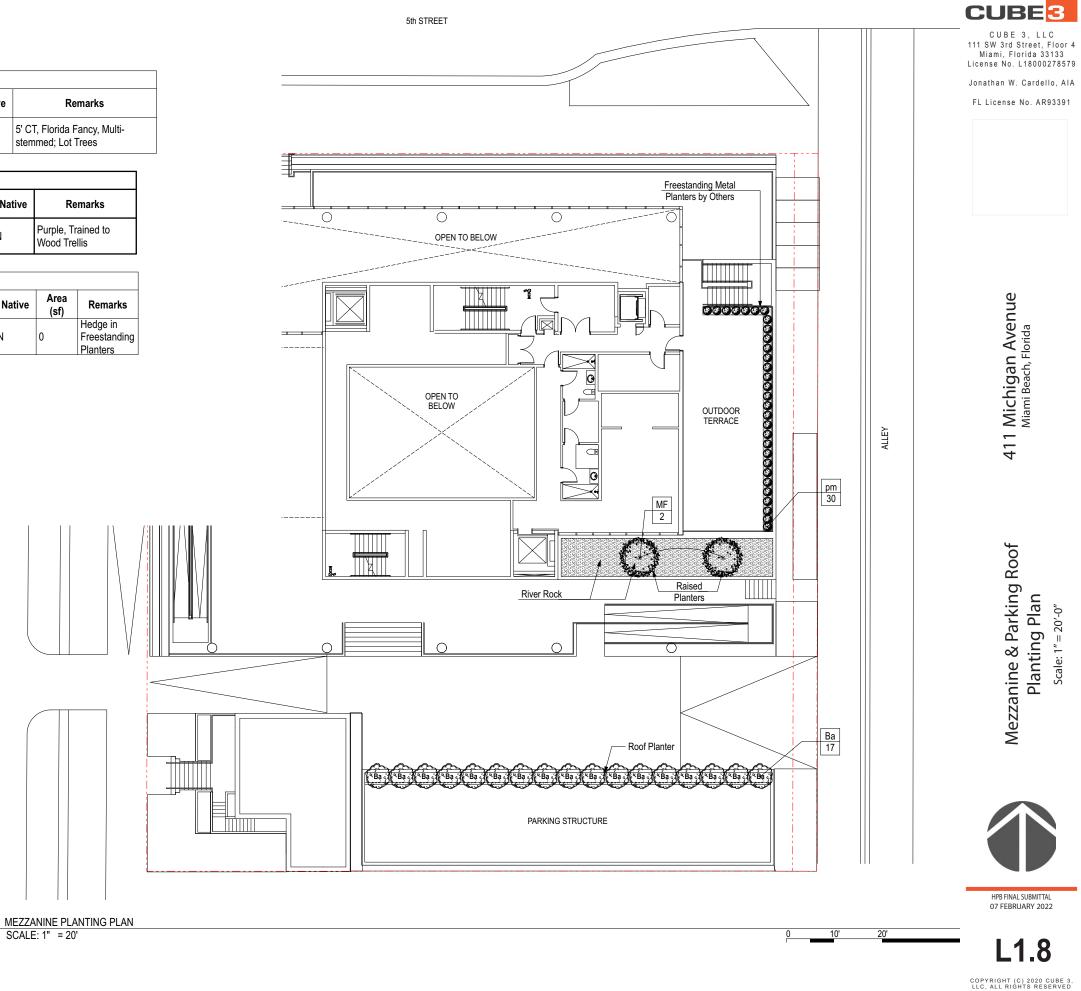
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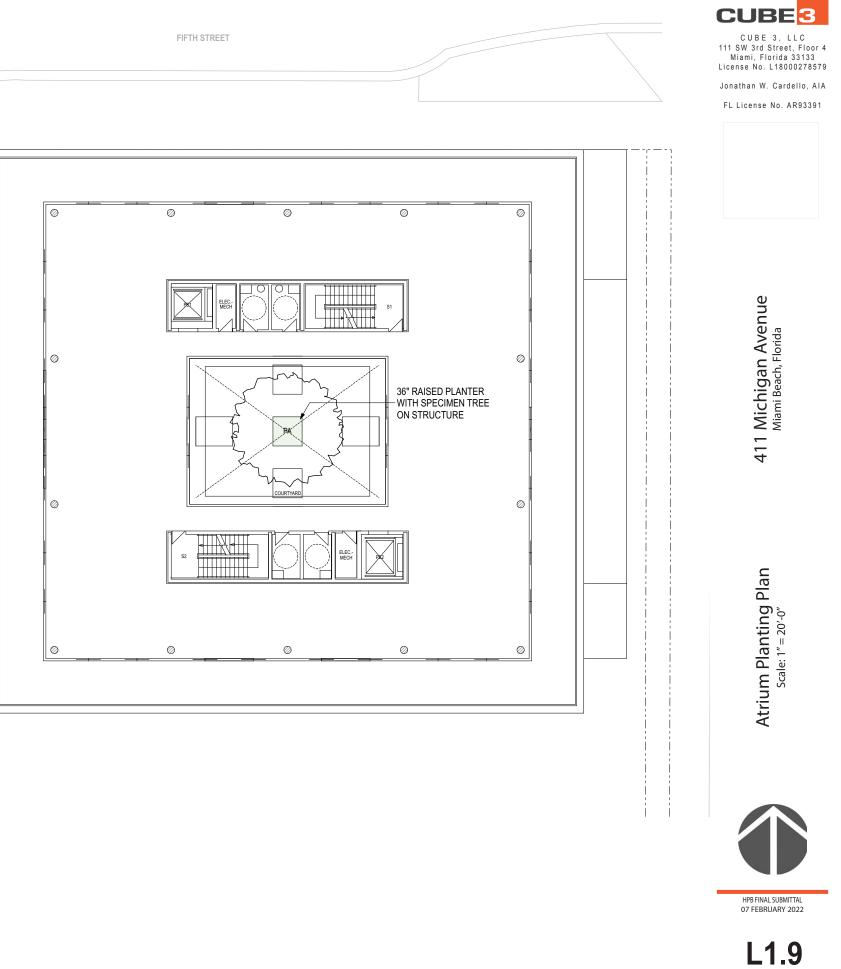
	Mezzanine Tree Schedule										
Symbol ID Qty Botanical Name Common Name Cal Height Spread Native Remarks											
	MF	2	Myrcianthes fragrans	Simpson's Stopper	N/A	6' min	6'	Y	5' CT, Florida Fancy, Multi- stemmed; Lot Trees		

	Mezzanine Shrub Schedule										
Symbol ID Qty Botanical Name Common Name Size Height Spread Spacing Native Remarks											
	Ва	17	Bougainvillea arborea	Vine Bougainvillea	25gal	8'-10'	3'		INI	Purple, Trained to Wood Trellis	

	Mezzanine Groundcover & Vine Schedule										
Symbol ID QTY Botanical Name Common Name Size Height Spread Spacing Native Area (sf) Area Remarks											
9	pm	30	Podocarpus macrophyllus 'Pringles'	Dwarf Podocarpus - 'Pringles'	3gal			24"	N	0	Hedge in Freestanding Planters



	Atrium Tree Schedule										
Symbol	Symbol ID Qty Botanical Name Common Name Cal Height Spread Native Remarks										
and a second sec	PA	1	Pachira aquatica	Water Chestnut	6"	18'	10'	N	Collected specimen		

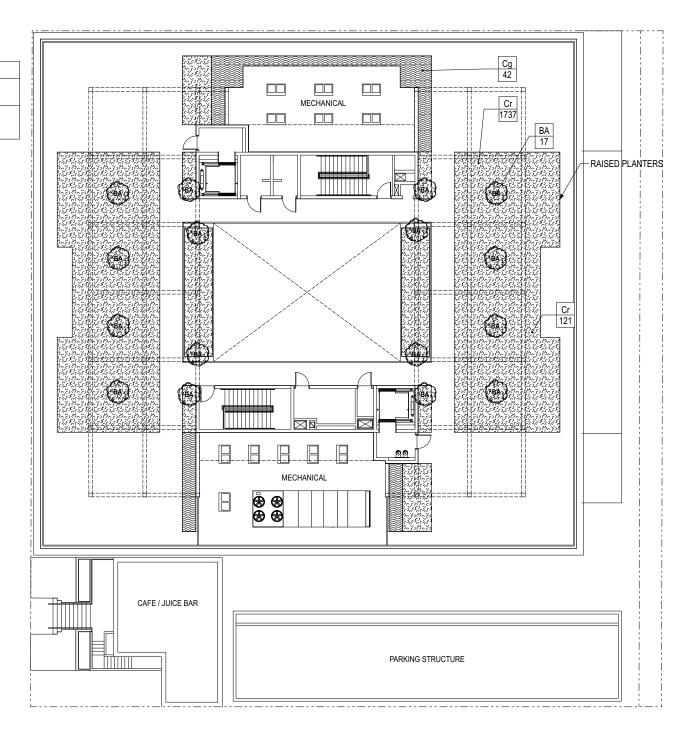


	Roof Tree Schedule										
Symbol	ID	Qty	Botanical Name	Common Name	Cal	Height	Spread	Native	Remarks		
BA	BA	16	Bougainvillea arborea	Tree Bougainvillea		12'-14'		N	FL #1, Purple		

	Roof Shrub Schedule											
Symbol	ID	Qty	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Remarks		
	Cg	42	Clusia guttifera	Small Leaf Clusia	15g	5'	5'	3'	N	FL#1		

	Roof Groundcover Schedule											
Symbol	ID	QTY	Botanical Name	Common Name	Size	Height	Spread	Spacing	Native	Area (sf)	Remarks	
	Cr	1,737	Clusia rosea 'nana'	Dwarf Pitch Apple	3g	18"	12"	18"	N	3,393	FL #1	





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Jonathan W. Cardello, AIA

FL License No. AR93391

411 Michigan Avenue Miami Beach, Florida

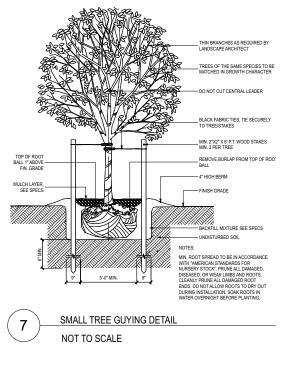
Roof Planting Plan Scale: 1" = 20'-0"

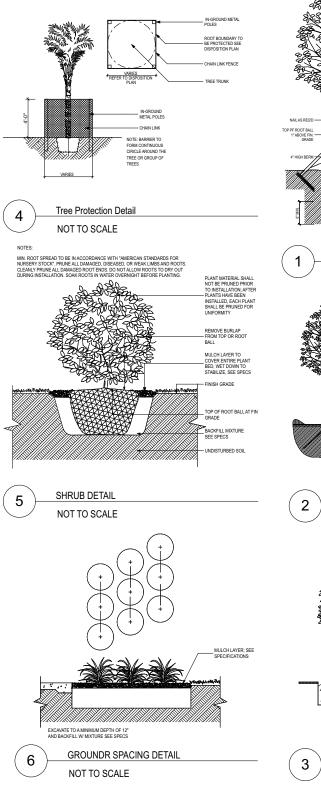


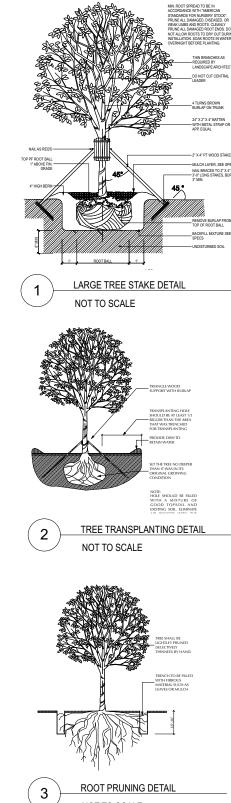
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NOT TO SCALE

PLANTING SPECIFICATIONS

1. The Contractor is responsible for maintaining, all planting areas (including watering, spraying, mulching, mowing, fertilizing, etc.) until the job is accepted, in full, by the Owner and/or Landscape Architect.

2. All root balls shall conform to the size standards set forth in "American Standards for Nurserv Stock".

3. All plant material shall be protected during transport and delivery to final location with shade cloth or other acceptable means of windburn prevention.

4. All trees must be guyed or staked as shown in the details.

5. Installation- All plant material shall be installed in a sound, workman- like manner and according to accepted good planting and tree relocation procedures with the quality of plant materials as hereinafter described. All elements of landscaping shall be installed so as to meet all applicable ordinances and code requirements.

6. There shall be no chains or cables used on trees or palms. Handle with two inch (2") minimum width nylon straps or equal

7. Contractor shall assure drainage and percolation of all planting pits prior to installation of plant material. Contractor shall fill all tree pits with water before planting to assure that proper drainage and percolation is available. Correct if required to assure percolation. Contractor is responsible for replacement of all plants lost due to inadequate drain- age conditions.

8. Contractor to request final acceptance of project in writing. If all work is satisfactory and complete in accordance with conditions of contract documents, then the Owner and the Landscape Architect shall declare the project substantially complete.

9. Contractor to replace rejected plant material within one (1) week of written notice.

10. Contractor shall mulch all plant material throughout and completely to a three inch (3") depth of loose, weed free, sterilized Melaleuca mulch.

11. Plant Material which is not installed at the direction of the landscape architect or owner will become the property of the contractor unless it becomes relocated on site. The Contractor shall provide the owner a credit for any plant material not installed on the site.

SOIL PREPARATION AND SOIL MIX

1. All shrub beds shall be provided with a minimum 30" depth of approved planting soil if existing soil is not acceptable to the Landscape Architect. Shrub beds shall be excavated to 30" depth and soil replaced as specified. Acceptable soil composition shall be 70% sand, 30% organic content with an overall pH range between 6.5 and 7.5.

2. Apply Roundup (manufactured by Monsanto Corp. or equal.) according to manufacturer's rate and specification within limits of all areas to be planted. Protect existing plants to remain from overspray or spray within root zone. Contractor to ensure total weed eradication from all areas to be planted.

3. Before replacing topsoil, rake subsoil surface clear of stones (1" diameter and larger), debris, rubbish, and remaining roots from removed plant material.

4. Scarify subsoil to a depth of six inches (6").

5. Contractor to apply "Surflan" or equal, or approved pre-emergent herbicide in accordance with manufacturer's rate and specifications.

6. Planting Soil Mixtures:

All plant material on grade with the exception of palms and beach material, shall be planted with the following soil mix: Planting Soil Mixture A:

a.) Weed free soil and consist of 70% clean silica sand. 30% everglades muck, and

b.) There must be a slight acidic reaction to the soil with no excess calcium or carbonate. c.) Soil shall be delivered in a loose friable condition

All palms + beach material on grade shall be planted with the following:

Planting Soil Mixture B: a.) 80% clean sillca sand

b.) 20% everglades mack

All elevated planting areas on structure shall be planted with the following unless otherwise approved by L.A Planting Soil Mixture C:

Mix specifically designed to meet project requirements based on climatic region and plant requirements a.) Coarse Stalite, 3/8" Expanded Slate 50%

- b.) Fine Stalite Expanded Slate 10%
- c.) USGA Root Zone Sand 25%
- d.) Approved Compost 15%

7. Topsoil shall be natural, fertile, agricultural soil capable of sustaining vigorous plant growth. It shall be of uniform composition throughout, with admixture of subsoil. It shall be free of stones, lumps, live plants an their roots, sticks, and other extraneous matter. Spread topsoil mixture to minimum depth of three inches (3") throughout all lawn areas .

8. Remove all rocks and other objects over one inches (1") in diameter.

9. Smooth all soil mixture to five inches (5") below top of surrounding pavement edges. This allows room for 3" of mulch and 2" clear space below top of pavement.

10. Smooth topsoil mixture to two inches (2") below finish grade in areas to be sodded.

11. Topsoil shall not be extremely acid or alkaline, nor contain toxic substances which may be harmful to plant growth. The topsoil pH shall be in the range of pH 6.5 to 7.5. If necessary, the Contractor shall apply the appropriate soil amendments adjusting soil pH to assure a pH range of 6.5 to 7.5.

12. Finish grade all topsoil areas to a smooth, even surface, assuring positive drainage away from the structures and eliminate any low areas which may collect water.

13. Contractor shall assure percolation and drainage of all planting pits prior to planting. Contractor will be responsible for all plants lost due to the lack of percolation.

14. Contractor to remove debris and excess material daily from job site. Contractor shall remove all staking of trees and palms after twelve (12) months of substantial completion.

MULCH 1. Mulch shall be shredded Florimulch (100% Melaleuca mulch). Planting areas not covered by lawn grass/sod shall be mulched to a minimum depth of 3", in order to present a finished appearance.

2. Any other mulch must be must be submitted to and approved.



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Planting Details

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