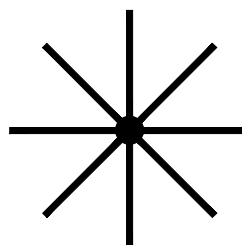
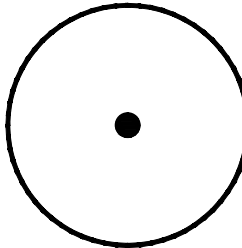


**PLANTING LEGEND**

 PROPOSED PALM


 PROPOSED TREE

PLANTING SCHEDULE AMENITY LEVEL		
ABR.	QUANTITY	BOTANICAL NAME
CER	9	CONOCARPUS ERECTUS
CRO	4	CLUSIA ROSEA
CZY	40	CALYPTRANTHES ZUZYGIUM
BNO	1	BISMARCKIA NOBILIS
TRA	40	THRINAX RADIATA
RMU	7	RHAPIS MULTIFIDA
VMO	25	VEITCHIA MONTGOMERYANA

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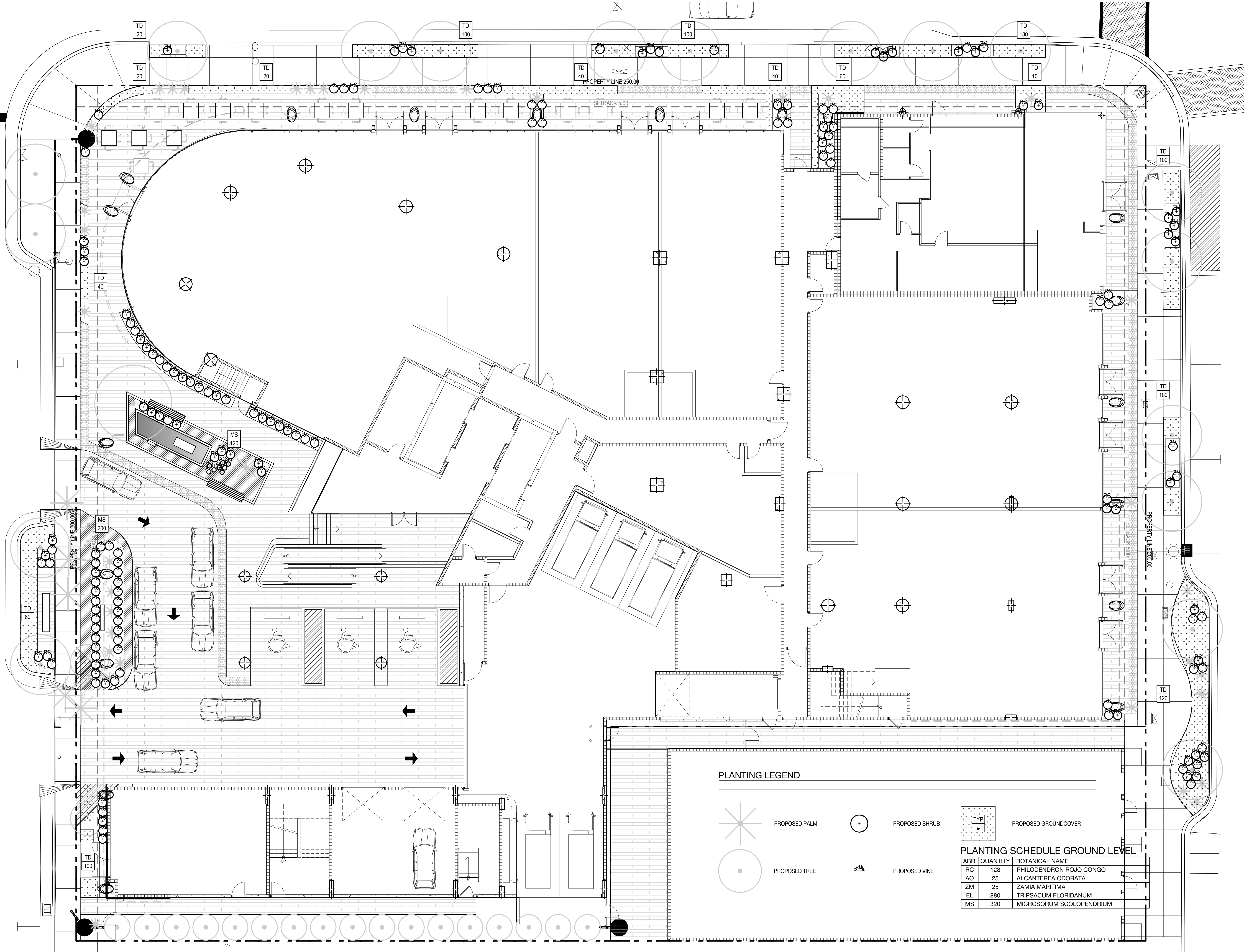
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**TREE & PALM PLANTING PLAN**

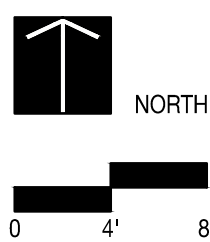
DATE	ISSUE
10.17.2016	PLANNING BOARD
10.28.2016	M. BEACH DRB
11.02.2016	M. BEACH REVIEW

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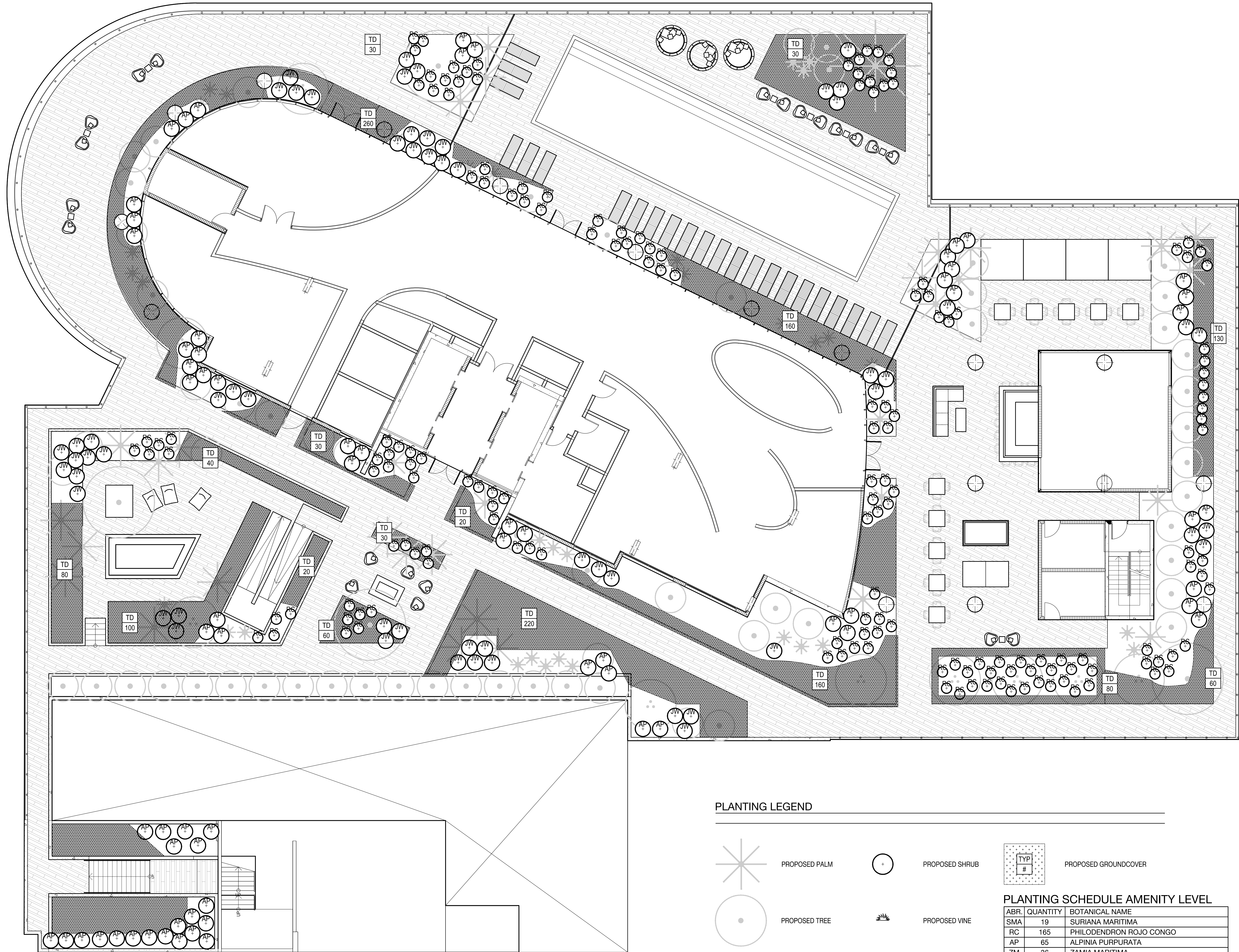


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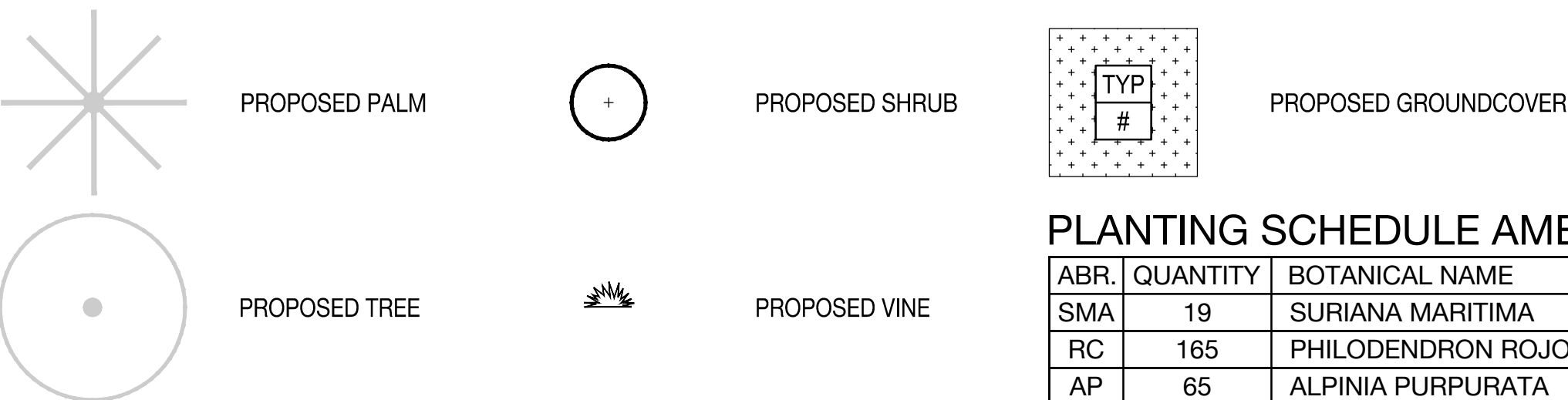
7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33141



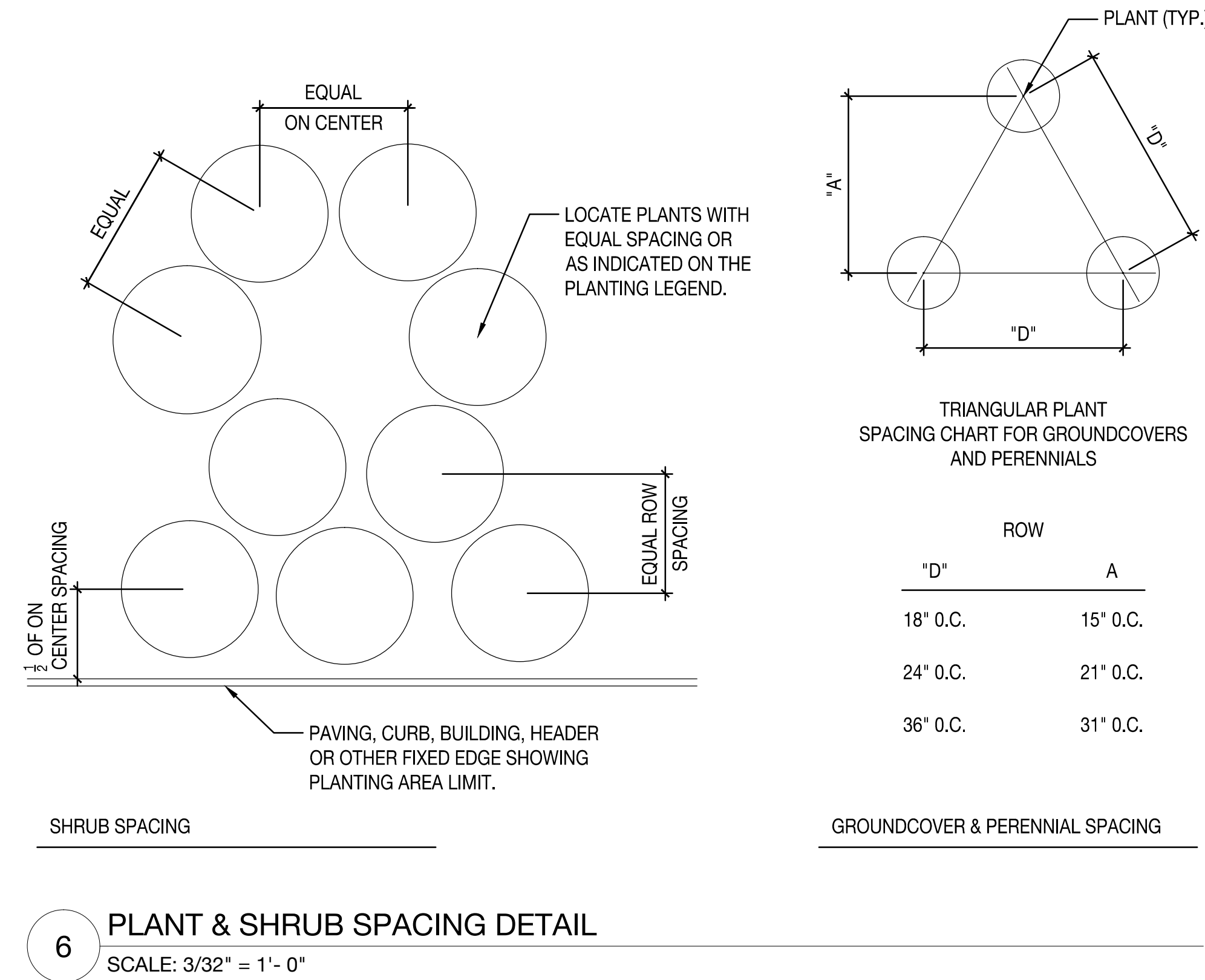
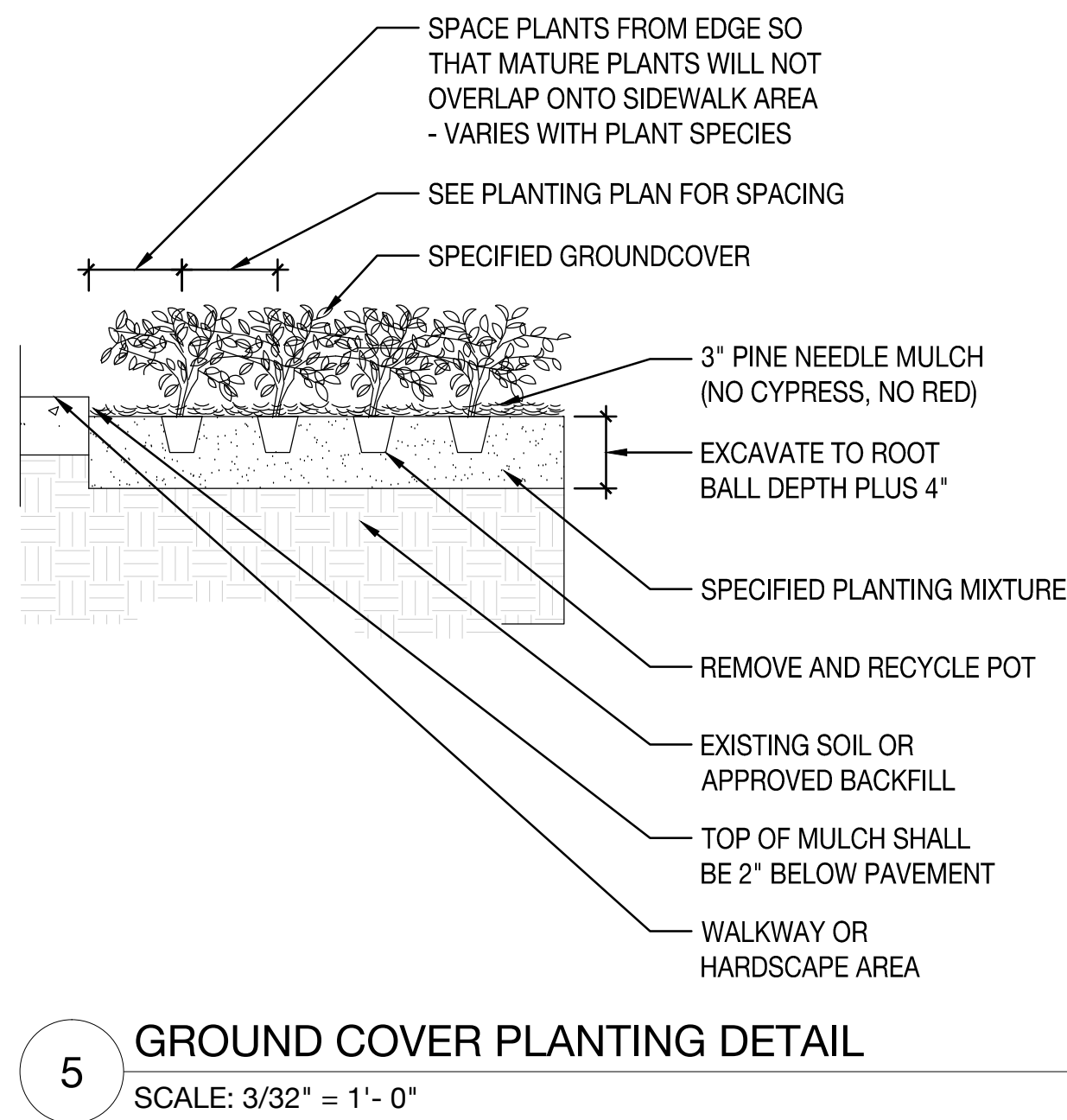
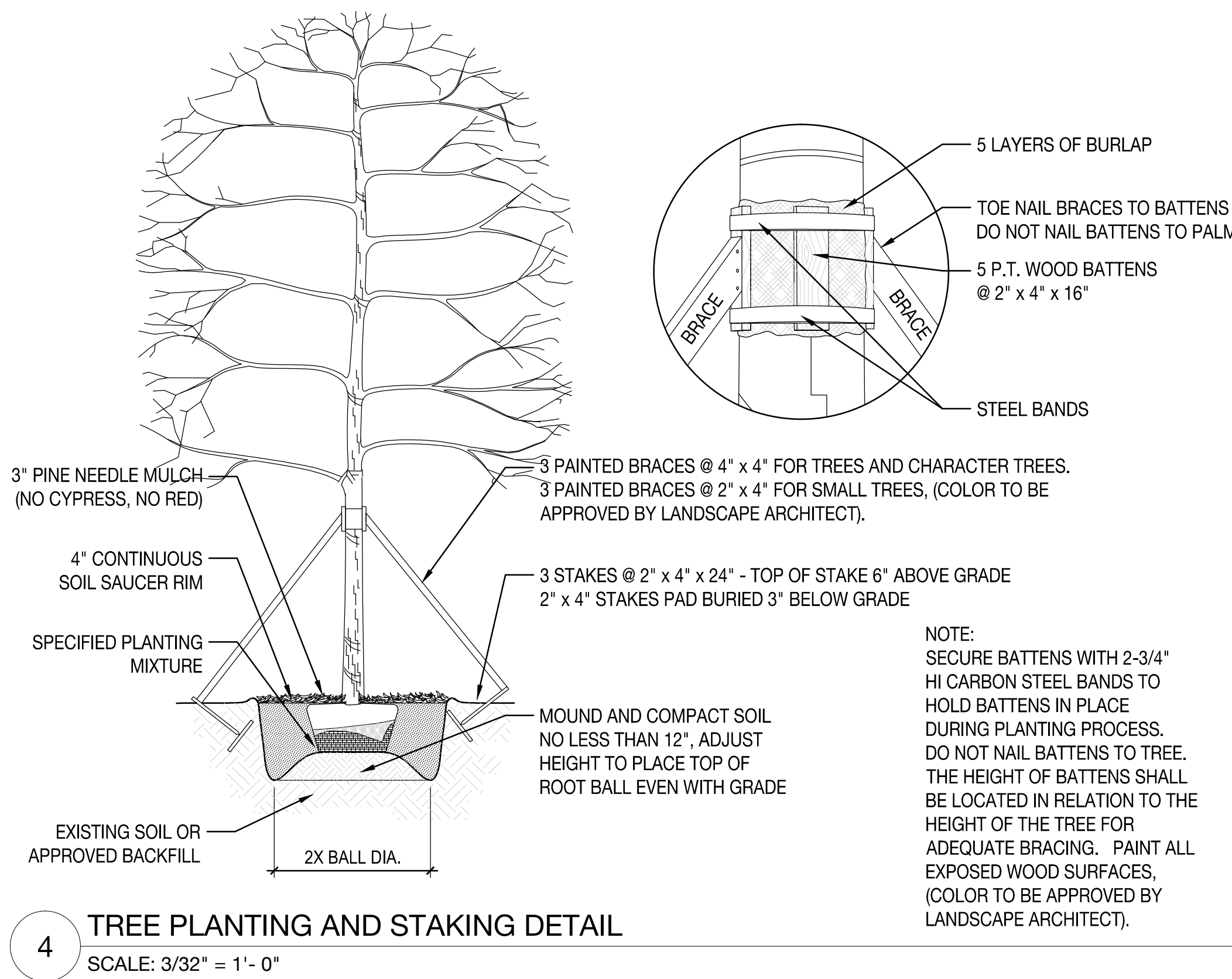
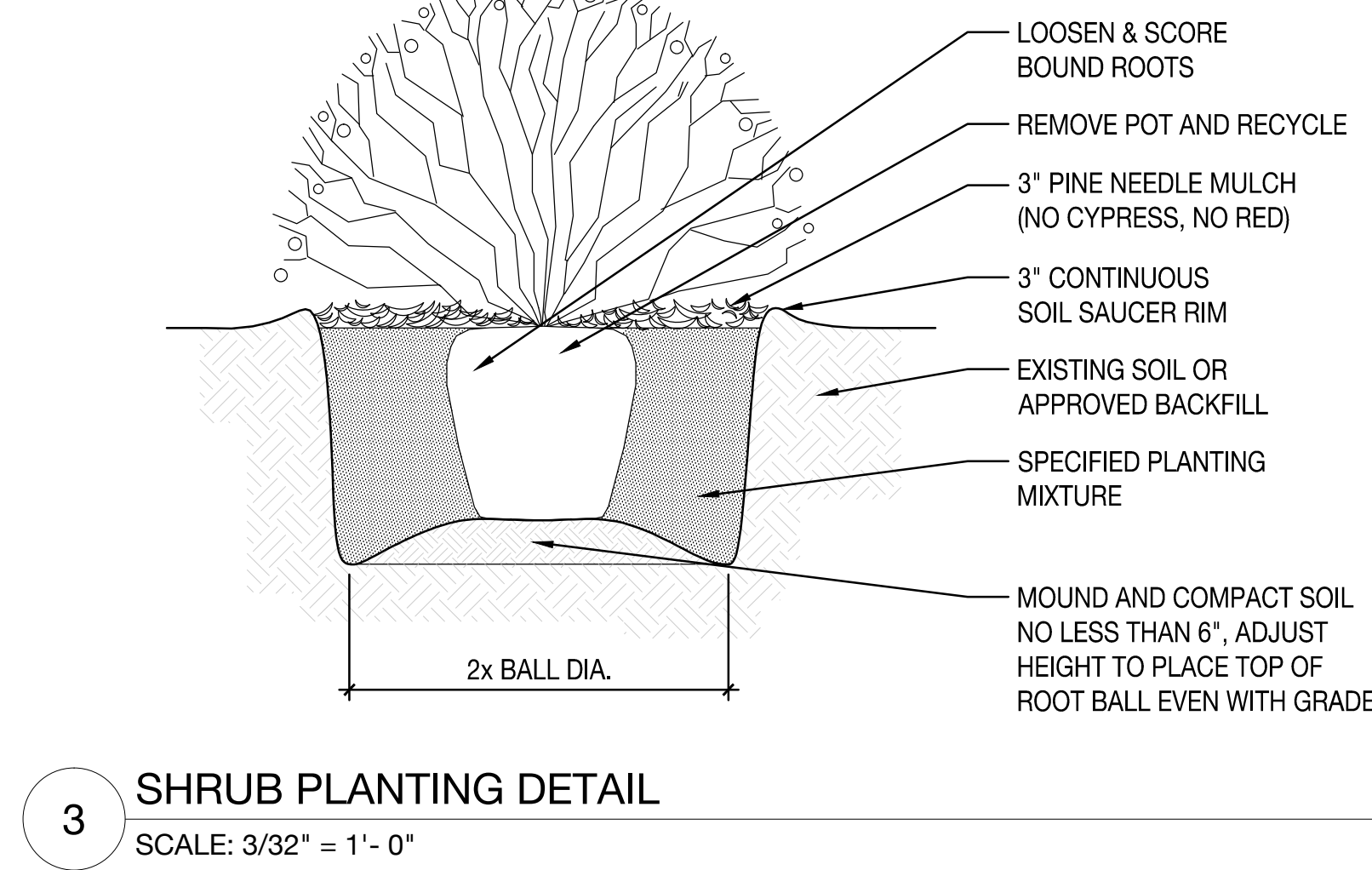
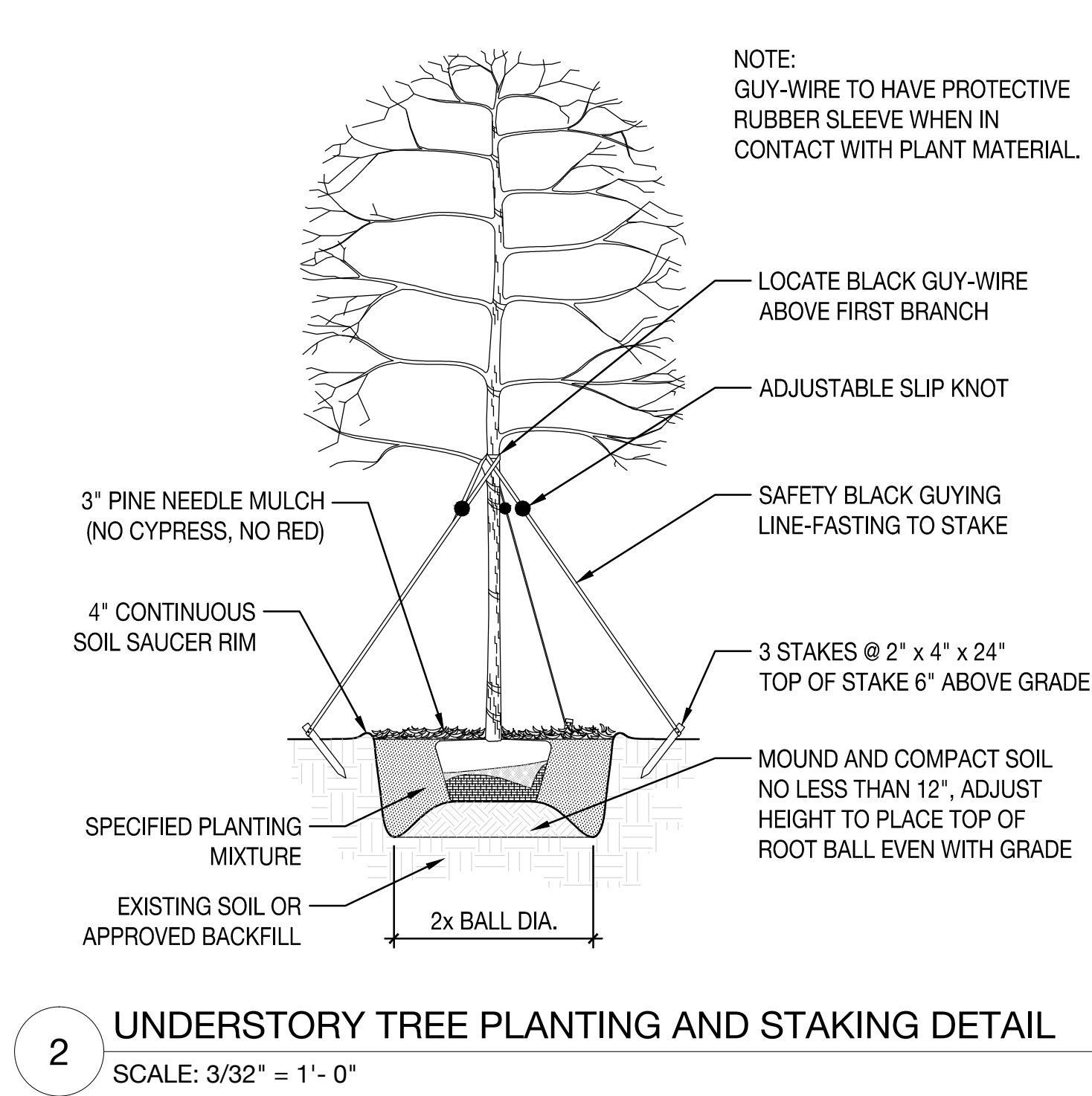
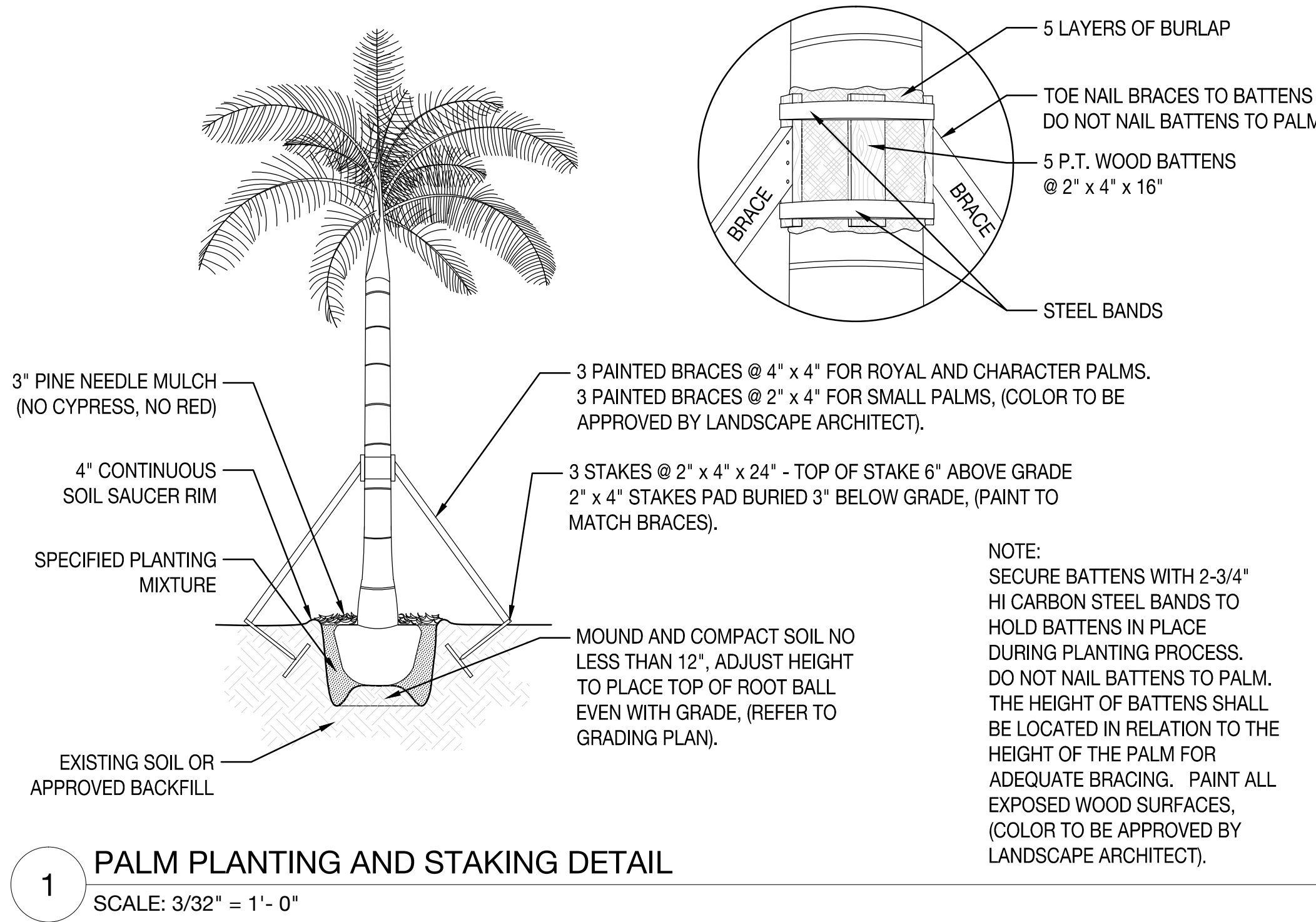
L703



PLANTING LEGEND



PLANTING SCHEDULE AMENITY LEVEL		
ABR	QUANTITY	BOTANICAL NAME
SMA	19	SURIANA MARITIMA
RC	165	PHILODENDRON ROJO CONGO
AP	65	ALPINIA PURPURATA
ZM	36	ZAMIA MARITIMA
JW	58	ACALPHYA WILKESIANA 'JAVA WHITE'
TD	1630	TRIPSACUM DACTYLIODES



1. IRRIGATION PLAN IS CONCEPTUAL; FURTHER DESIGN TO BE COMPLETED BY IRRIGATION CONTRACTOR/DESIGNER.
2. IRRIGATION SYSTEM SHALL BE DESIGNED TO CONSERVE WATER TO THE EXTENT POSSIBLE THROUGH THE USE OF EFFICIENT HEADS, MICROCLIMATE-SPECIFIC ZONES AND A WEATHER AND MOISTURE MONITORING CONTROL STATION.
3. ALL NEW TREES AND SHRUBS TO RECEIVE DRIP-TYPE IRRIGATION.
4. ALL REVEGETATED AREAS TO RECEIVE SPRAY-TYPE IRRIGATION FOR FIRST TWO GROWING SEASONS MINIMUM.
5. ALL PERENNIAL BEDS TO RECEIVE SPRAY-TYPE IRRIGATION.
6. ALL SPRAY TYPE IRRIGATION TO BE DIRECTED AWAY FROM STRUCTURES.
7. INSTALL SPRAY HEADS ALONG SIDEWALKS ON POP-UP RISERS.
8. LOCATE HEADS SO THEY ARE PROTECTED FROM TRAVEL AND DO NOT CAUSE WATER TO FALL ON PAVED, MASONRY, OR OTHER ARCHITECTURAL SURFACES.
9. ADJUST HEAD LOCATION IF SPRAY IS DETRIMENTAL TO OR BLOCKED BY TREE, SHRUB, OR STRUCTURE, MAINTAINING EVEN COVERAGE OF PLANTING AREAS.
10. GENERAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF SLAB PENETRATIONS FOR IRRIGATION EQUIPMENT WITH MECHANICAL CONTRACTORS.
11. INSTALL MAIN LINES TO SLOPE AT 1 % MINIMUM TO MANUAL DRAIN VALVES LOCATED AT LOW POINTS OF MAIN SYSTEM.
12. INSTALL 3/4 INCH POLYETHYLENE LATERAL LINES TO SLOPE AT 1 % MINIMUM TO AUTOMATIC DRAIN VALVES LOCATED AT LOW POINTS OF LATERAL SYSTEMS.
13. TRENCHES TO BE OF SUFFICIENT DEPTH TO PROVIDE 18 INCHES OF COVER OVER LATERAL LINES. SLEEVED LINES SHALL HAVE A MINIMUM COVER OF 24 INCHES. TRENCHES ARE TO BE BACKFILLED WITH MATERIAL FREE OF ROCKS GREATER THAN 3/4 INCHES IN DIAMETER.
14. INSTALL BACKFLOW PREVENTOR(S) IN COORDINATION WITH GENERAL CONTRACTOR. BACKFLOW PREVENTORS SHALL BE INSTALLED PLUMB AND SQUARE WITH ADJACENT PAVEMENT EDGES OR STRUCTURES, COLOR, BLACK.
15. CONTROL VALVE BOX AND HEAD BOX LOCATIONS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. COLOR, BLACK.
16. THE FINAL LOCATION AND EXACT POSITIONING OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE OR GENERAL CONTRACTOR PRIOR TO INSTALLATION.
17. VALVE BOXES SHALL BE INSTALLED FLUSH WITH FINISH GRADE AND ALIGN VALVE BOXES WITH ADJACENT PAVEMENT EDGES OR STRUCTURES. VALVE BOXES SHALL BE OF PLASTIC WITH BOLT DOWN LID.
18. CONCEAL ALL IRRIGATION BOXES IN PLANTING BEDS WHERE APPLICABLE AND COVER WITH MULCH. VALVE BOXES TO BE PLACED A MINIMUM OF 12 INCHES FROM AND PARALLEL TO CURBS AND WALKS. GROUPED VALVES TO BE EQUALLY SPACED AND PARALLEL. COLOR, BLACK.
19. CONTRACTOR TO MAINTAIN A SET OF "AS-BUILT" DRAWINGS THROUGHOUT THE COURSE OF CONSTRUCTION, AND DELIVER THESE DRAWINGS TO OWNER'S REPRESENTATIVE & LANDSCAPE ARCHITECT UPON COMPLETION OF WORK.
20. EXCAVATIONS TO BE BACKFILLED TO 95% COMPACTION, MINIMUM. CONTRACTOR TO REPAIR SETTLED TRENCHED FOR ONE YEAR AFTER COMPLETION OF WORK. CONTRACTOR TO WARRANT THAT THE SYSTEM WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER COMPLETION OF WORK.
21. EXERCISE EXTREME CARE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES AND IN EXISTING TREE ROOT ZONES. VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES. DAMAGE CAUSED BY OR DURING THE PERFORMANCE OF WORK TO BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. FIELD ADJUST SPRINKLER LOCATIONS SO AS TO AVOID CONFLICTS WITH UTILITIES (FIRE HYDRANTS, TRANSFORMERS, ETC.).
22. FLUSH AND ADJUST SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
23. IRRIGATION SYSTEM TO BE COMPLETELY DRAINED TO PROTECT PIPE FROM BURSTING PRIOR TO FREEZING TEMPERATURES ANNUALLY.
24. PROVIDE SLEEVES AS REQUIRED FOR IRRIGATION LINES. IRRIGATION SYSTEMS SHALL BE CONSTRUCTED PRIOR TO PAVING AND LANDSCAPE WORK.



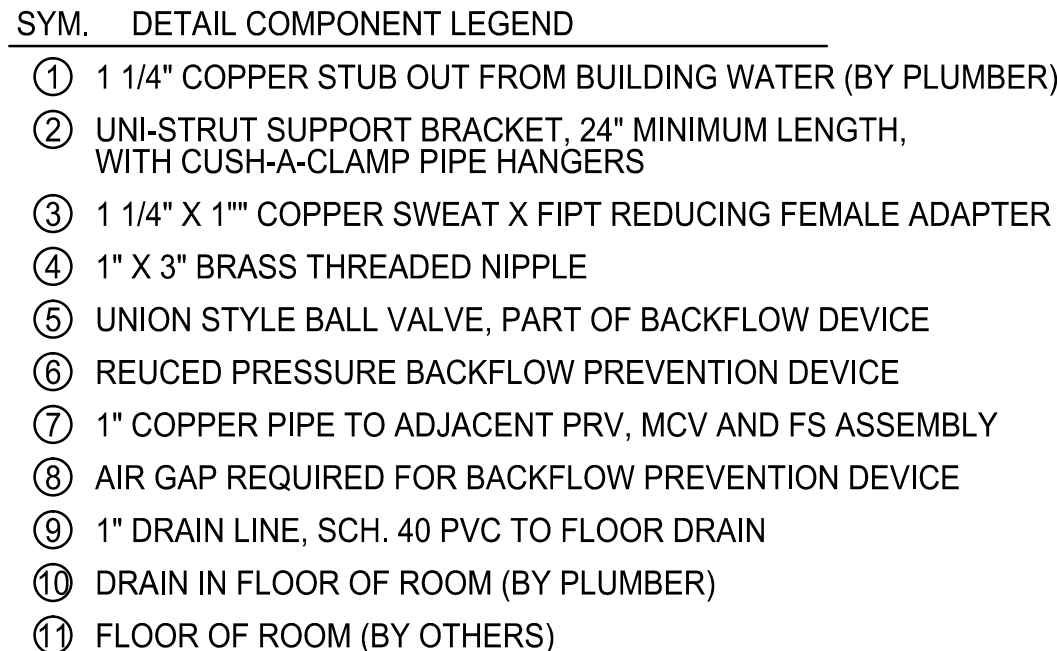
## NTS

				TORO 570 MPR	30	.125 / .25 / .50 / 1.0	8'	LOW ANGLE NOZZLE
				TORO 570 MPR	30	.40 / .70 / 1.04 / 1.5	10'	LOW ANGLE NOZZLE
				TORO 570 MPR	30	.85 / 1.65 / 2.60 / 3.60	15'	LOW ANGLE NOZZLE
				TORO 500 MPR	30	2.4		FLOOD BUBBLER
				RAINBIRD PGA PLASTIC VALVE (1½", 2", & 2½")				
				TORO QUICK COUPLER VALVE				INSTALL IN 6" VALVE BOX W/ COVER
				VALVE & CONTROLLER NUMBER				
				VALVE SIZE				
				APPROXIMATE GPM				
				IRRIGATION METER TO BE PROVIDED BY OWNER				
				GATE VALVE - LINE SIZED - INSTALL ON MAIN LINE EVERY 200'				
				RAINBIRD - AUTOMATIC CONTROLLER				
				RAINBIRD - ESP 4LX PEDESTAL MOUNTED				
				REDUCED PRESSURE BACKFLOW PREVENTER - INSTALL PER LOCAL CODE				
				HUNTER MINI CLICK RAIN SENSOR (ONE PER STATION, ONE PER SITE MOUNT IN OBSTRUCTED LOCATION NEAR CONTROLLER)				

GPM	LINE SIZE	LINE SIZE	SLEEVE SIZE
0 - 10	3/4"	3/4"	1 1/2"
11 - 16	1"	1"	2"
17 - 26	1 1/4"	1 1/4"	2 1/2"
27 - 35	1 1/2"	1 1/2"	3"
36 - 55	2"	2"	4"
56 - 75	2 1/2"	2 1/2"	5"
76 - 120	3"	3"	6"



## NTS



### SECTION VIEW

## NTS



NOTE:  
 INSTALL SPRAY HEADS 4" FROM PAVING EDGE IN TURF AREAS.  
 INSTALL SPRAY HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.  
 INSTALL SPRAY HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.  
 INSTALL SPRAY HEADS PLUMB. ADJUST NOZZLE SPRAY TO COVER THE LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.  
 SPRINKLER SWING JOINT, AND PVC FITTINGS SHALL ALL HAVE "NPT" STYLE THREADS.

## NTS

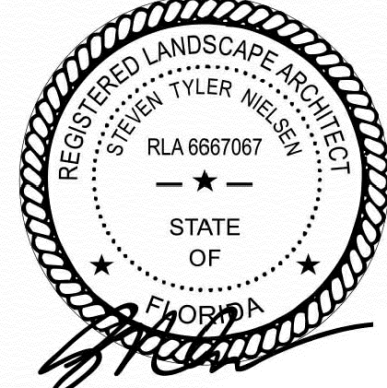


# 7140 COLLINS HOTEL

7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33141

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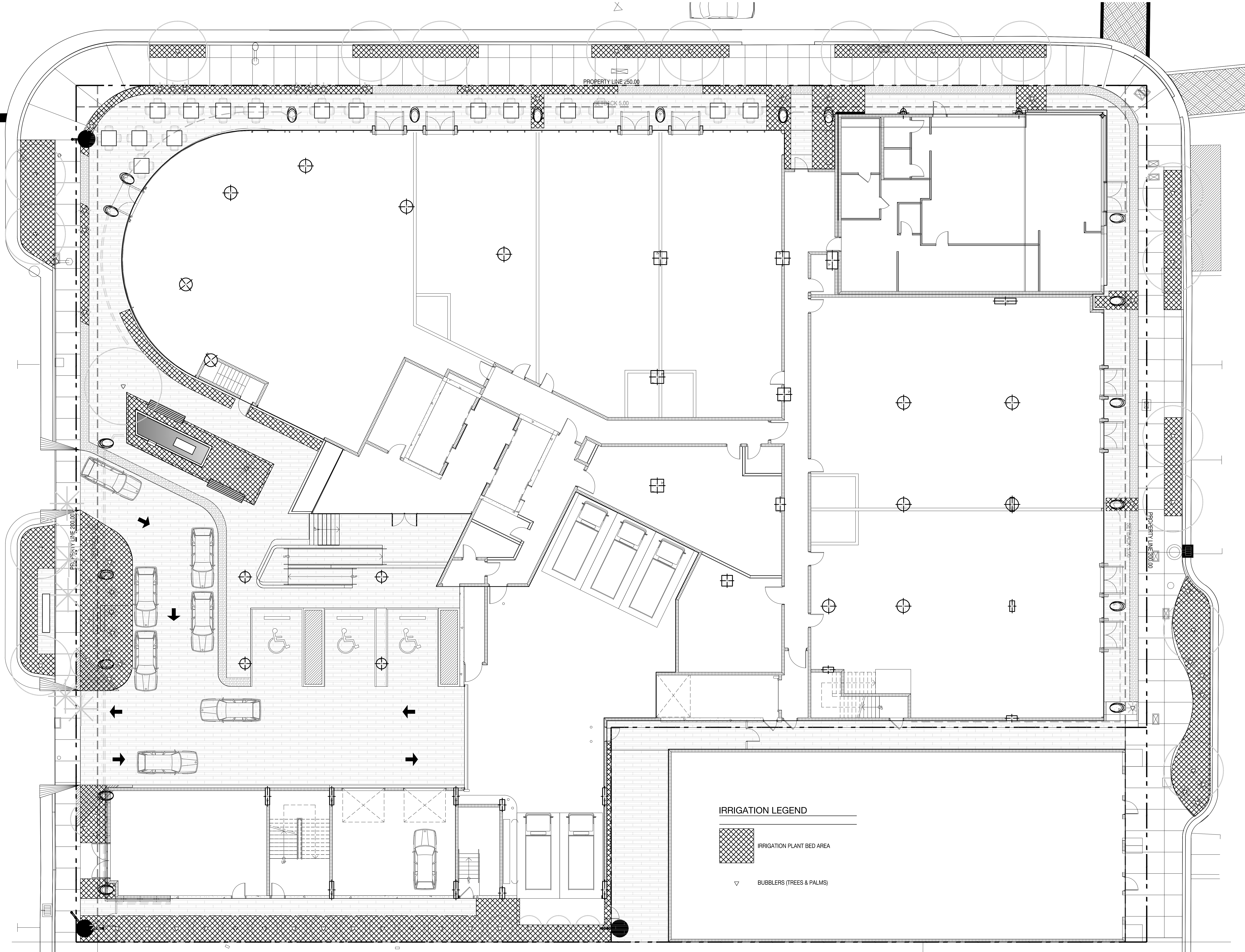
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DATE	ISSUE
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11.02.2016	M. BEACH REVIEW

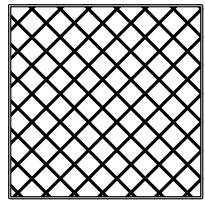
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IRRIGATION LEGEND

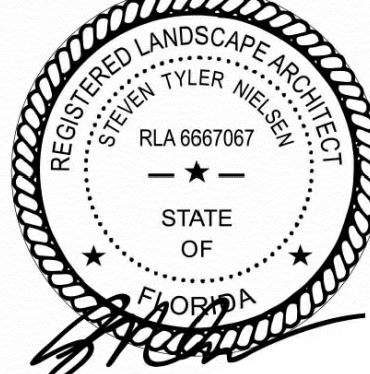


IRRIGATION PLANT BED AREA

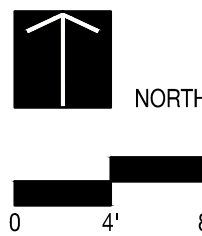


BUBBLERS (TREES & PALMS)

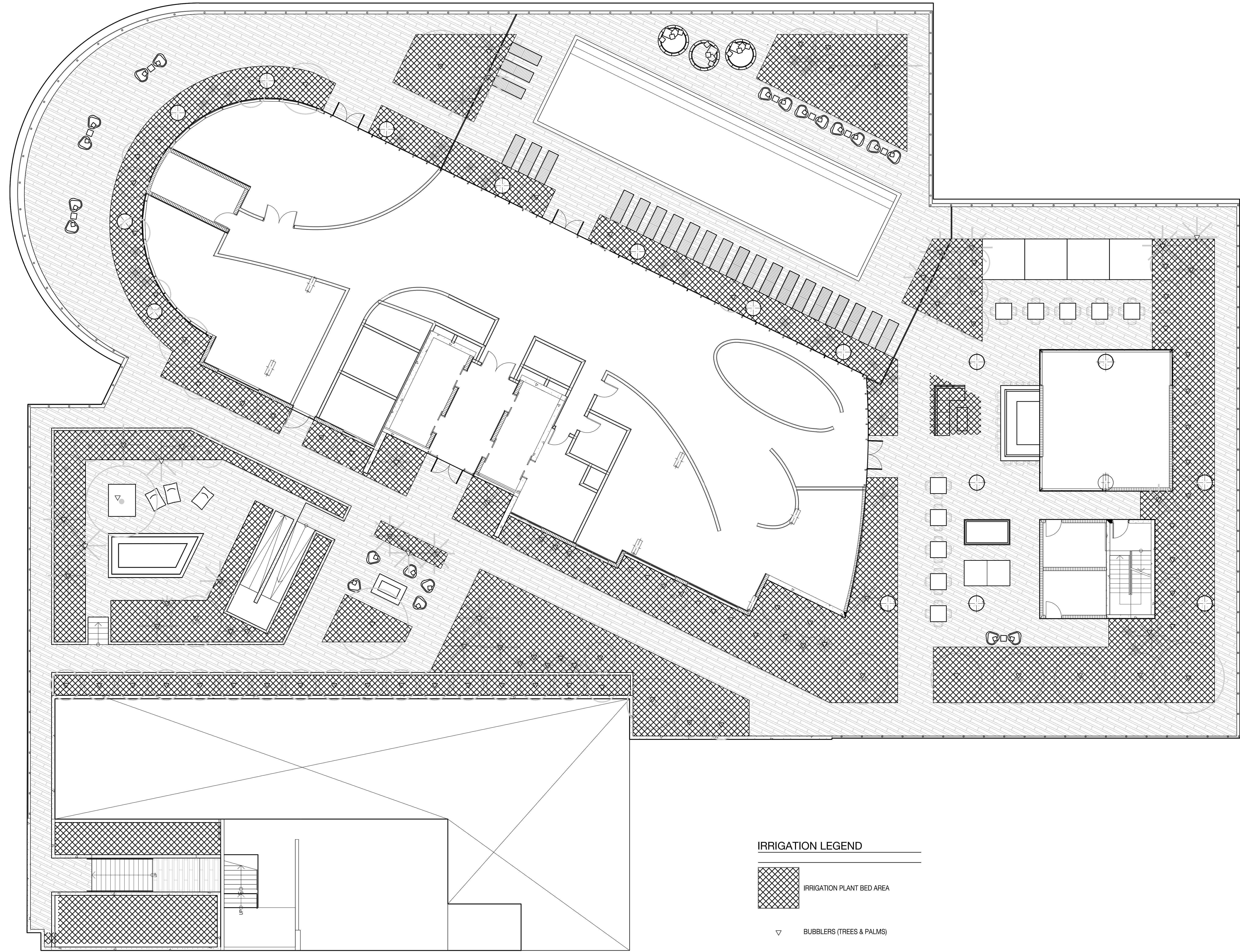
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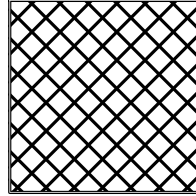
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11.02.2016	M. BEACH REVIEW




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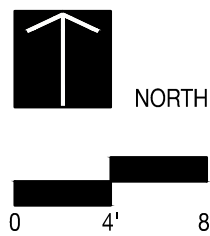


**IRRIGATION LEGEND**

 IRRIGATION PLANT BED AREA

 BUBBLERS (TREES & PALMS)

**7140 COLLINS HOTEL**  
7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33141



1. THE EXTERIOR LIGHTING PLAN ILLUSTRATES FIXTURE LOCATION AND TYPE SOLELY. ALL ELECTRICAL LOADS, WIRING, AND CALCULATIONS ARE BY OTHERS.
2. CONTRACTOR TO COORDINATE WITH CLIENT AND LANDSCAPE ARCHITECT CONTROL SYSTEM FOR EXTERIOR LIGHTING.
3. THE CONTRACTOR TO PROVIDE SLEEVES AND CONDUIT AS NEEDED FOR ALL EXTERIOR LIGHTING FIXTURES..
4. THE CONTRACTOR IS TO STAKE ALL EXTERIOR LIGHTING FIXTURES FOR LANDSCAPE ARCHITECT REVIEW.
5. ALL EXTERIOR FIXTURES TO BE INSTALLED TO PREVENT GLARE AND UNWANTED DIRECTED LIGHT. CONTRACTOR TO ENSURE ALL FIXTURES DO NOT DIRECT LIGHT ONTO ADJACENT PROPERTIES.
6. THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT TWO WEEKS IN ADVANCE OF SCHEDULED EXTERIOR LIGHT INSTALLATION. UPON COMPLETION OF THE EXTERIOR LIGHT INSTALLATION, CONTRACTOR TO PROVIDE NIGHTTIME WALK THROUGH WITH LANDSCAPE ARCHITECT FOR FINAL REVIEW.

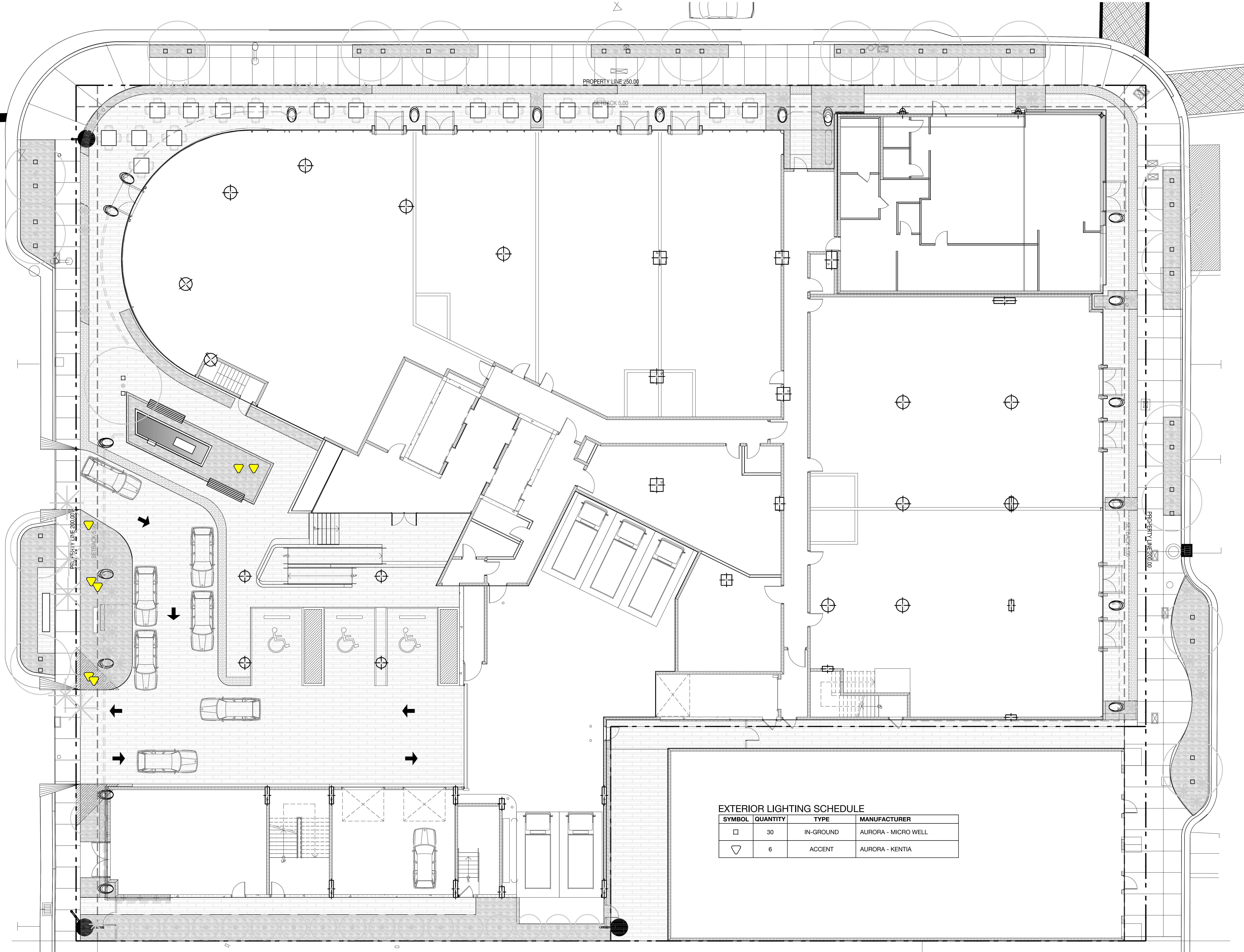
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	30	IN-GROUND	AURORA - MICRO WELL	SQ-BR - M- 30 - BLP XD		
	6	ACCENT	AURORA - KENTIA	BR - M - 30 - GS - BLP XD	LED 3.6 WATTS	

SYMBOL	QUANTITY	TYPE	MANUFACTURER	SPECIFICATION NUMBER	LAMP	NOTES
	27	IN-GROUND PATH	AURORA LIGHT	BR - 180 - 27 d - R - BLP XD	LED	NOTES
	30	ACCENT	AURORA - KENTIA	BR - M - 30 - GS - BLP XD	LED 3.6 WATTS	

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EXTERIOR LIGHTING SCHEDULE

SYMBOL	QUANTITY	TYPE	MANUFACTURER
□	30	IN-GROUND	AURORA - MICRO WELL
▽	6	ACCENT	AURORA - KENTIA

**NIELSEN**  
landscape architects  
1016 clare avenue, 5  
west palm beach, fl 33154  
561.402.9414  
www.nielsenlandarch.com

**RETI**  
9537 HARDING AVENUE  
SURFSIDE, FL 33154  
305.867.6344  
WWW.RETIMIAMI.COM

**REVUELTA INTERNATIONAL**  
2950 SW 27TH STREET, 110  
MIAMI, FL 33133  
305.590.5000  
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**CLARO DEVELOPMENT**  
1035 N MIAMI AVENUE, 201  
MIAMI, FL 33136  
305.324.4700  
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333 NE 24TH STREET, 408  
MIAMI, FL 33137  
786.253.5252  
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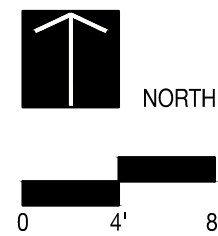
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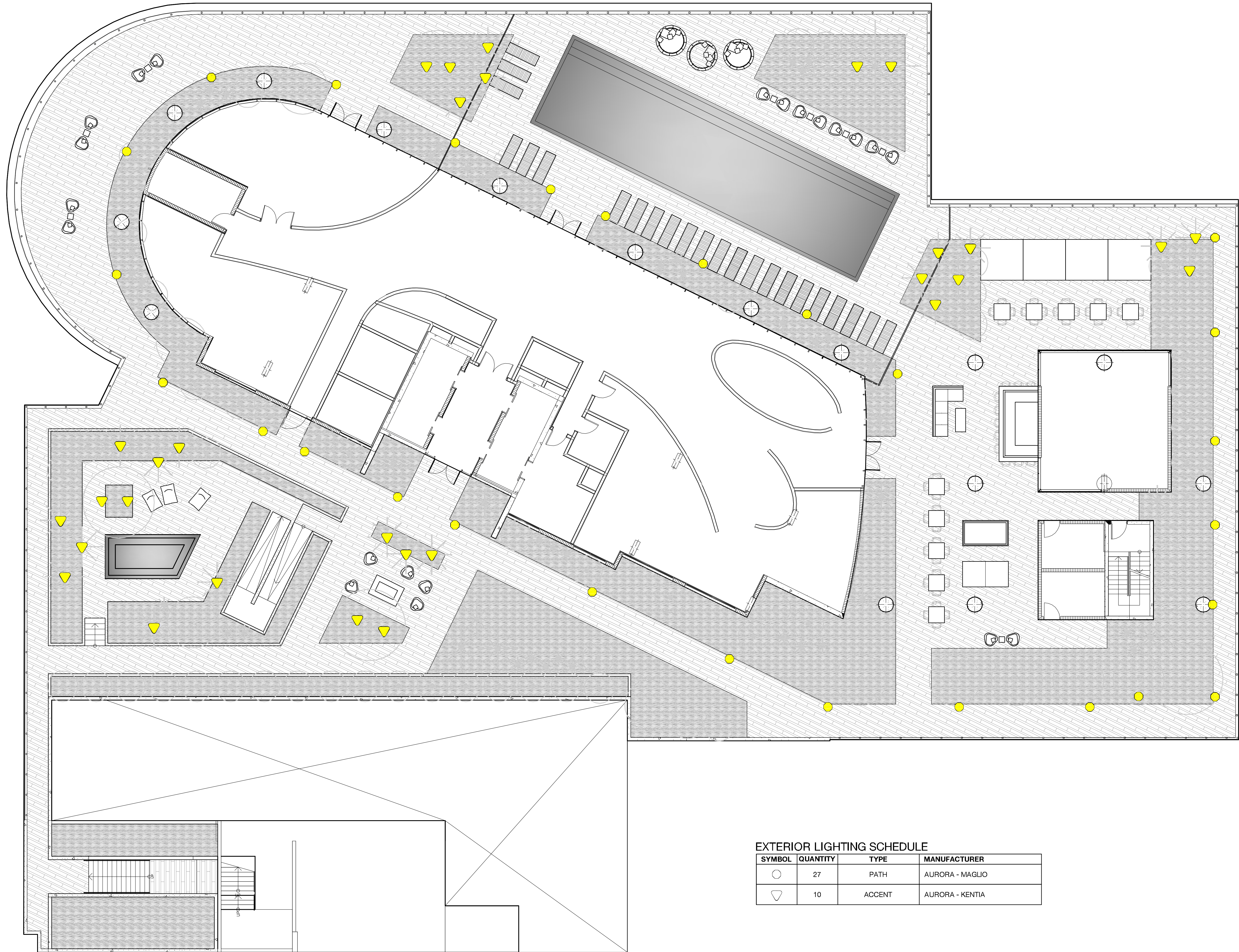
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REGISTERED LANDSCAPE ARCHITECT  
S. TYLER NIELSEN  
FLA 6667067  
STATE OF FLORIDA

LIGHTING PLAN  
DATE ISSUE  
10.17.2016 PLANNING BOARD  
10.28.2016 M. BEACH DRB  
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L901



EXTERIOR LIGHTING SCHEDULE

SYMBOL	QUANTITY	TYPE	MANUFACTURER
○	27	PATH	AURORA - MAGLIO
▽	10	ACCENT	AURORA - KENTIA

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