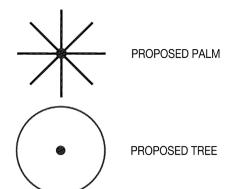


7140 COLLINS HOTEL
7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33141

PLANTING LEGEND



PLANTING SCHEDULE AMENITY LEVEL

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

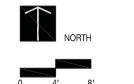
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TREE & PALM PLANTING PLAN

DATE	ISSUE
10.17.2016	PLANNING BOARD
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11.02.2016	M. BEACH REVIEW



L702

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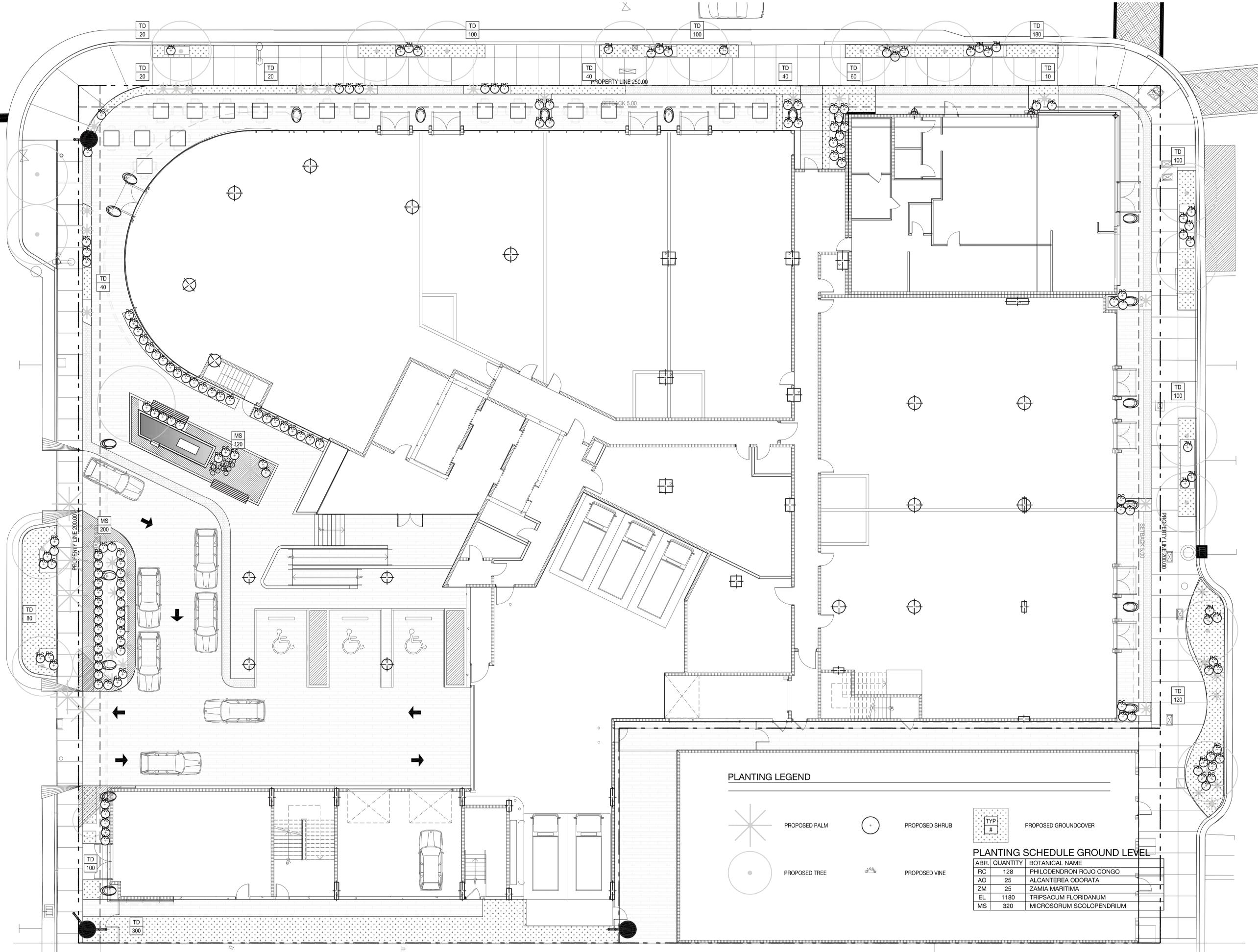
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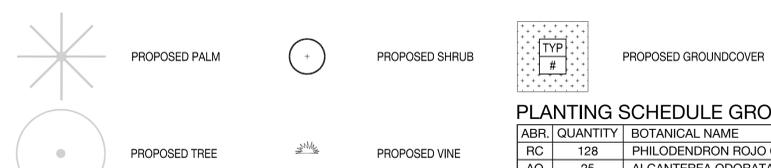


UNDERSTORY PLANTING PLAN

DATE	ISSUE
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11.02.2016	M. BEACH REVIEW

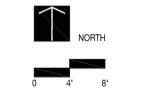


PLANTING LEGEND



PLANTING SCHEDULE GROUND LEVEL

ABR.	QUANTITY	BOTANICAL NAME
RC	128	PHILODENDRON ROJO CONGO
AO	25	ALCANTEREA ODORATA
ZM	25	ZAMIA MARITIMA
EL	1180	TRIPSACUM FLORIDANUM
MS	320	MICROSORUM SCOLOPENDRIUM



L703

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7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33141

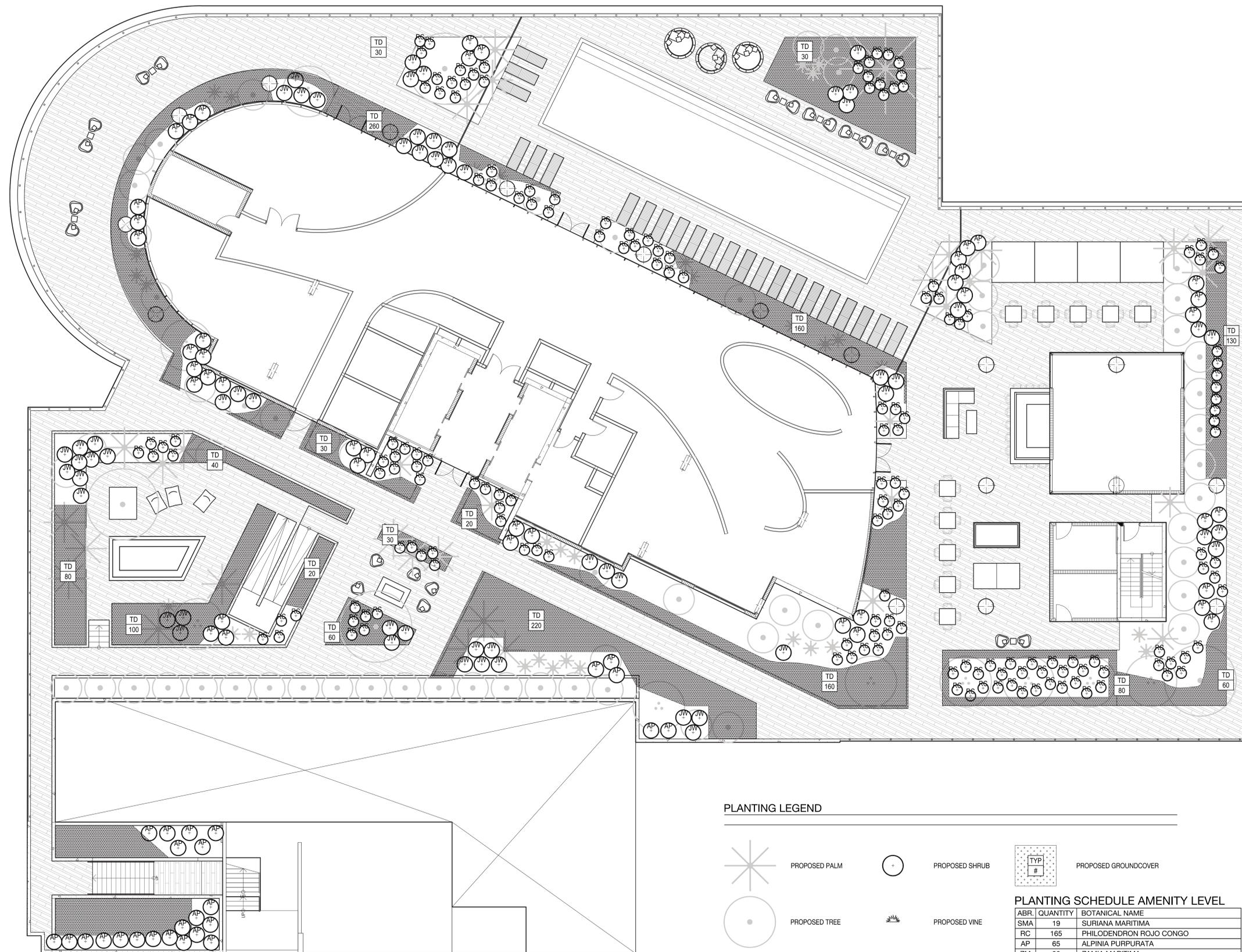
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UNDERSTORY PLANTING PLAN

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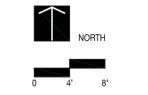


PLANTING LEGEND

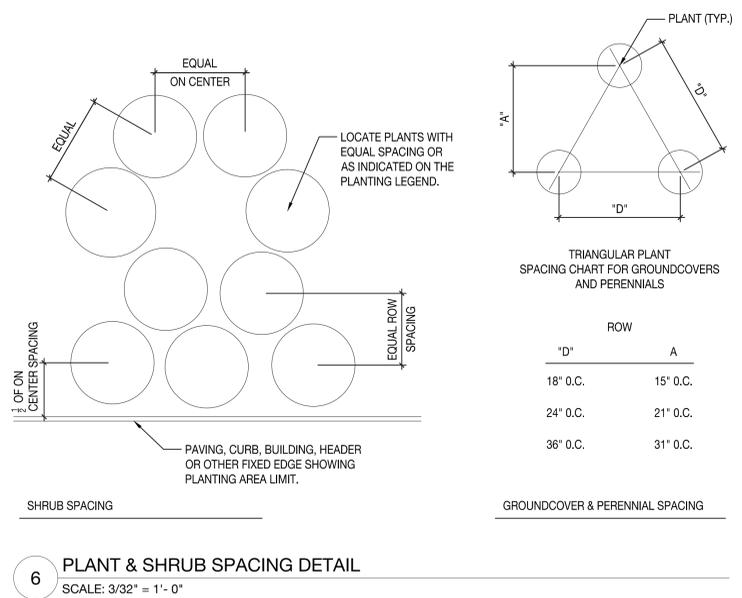
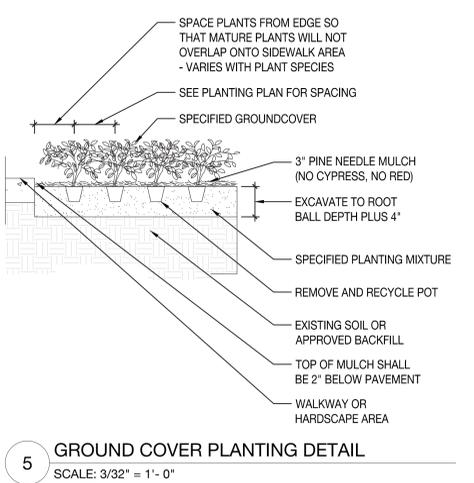
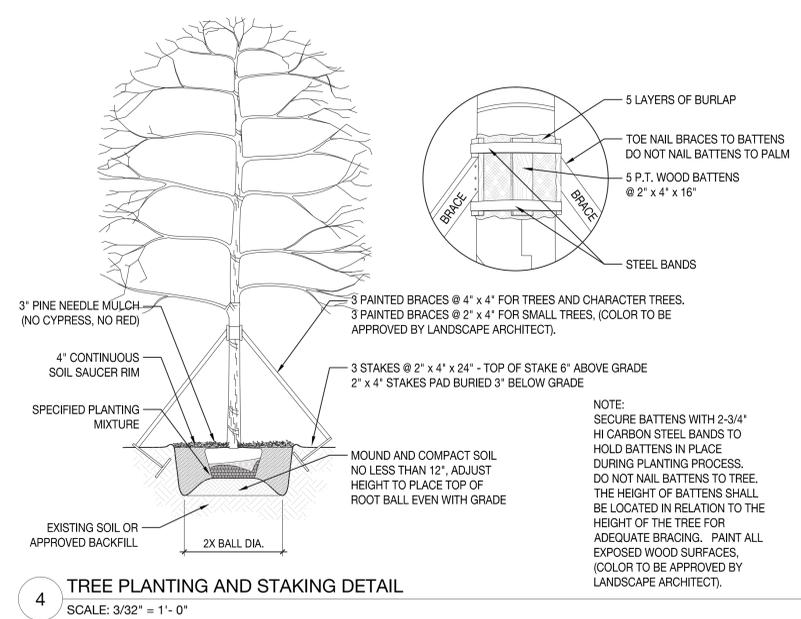
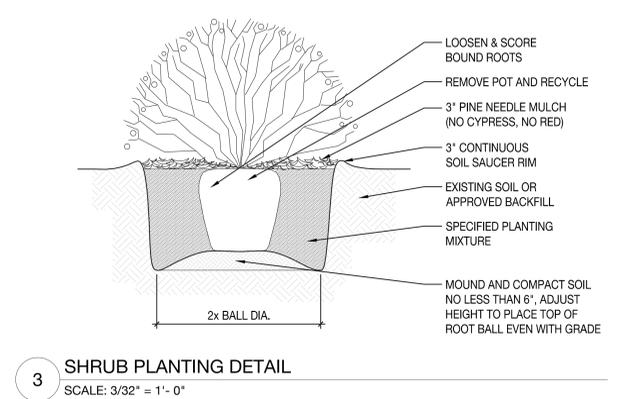
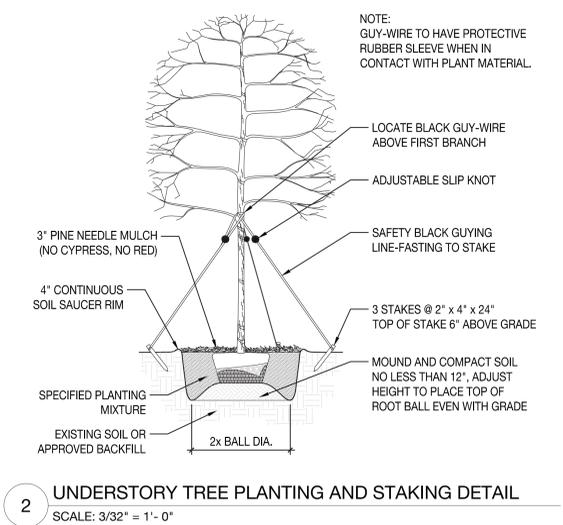
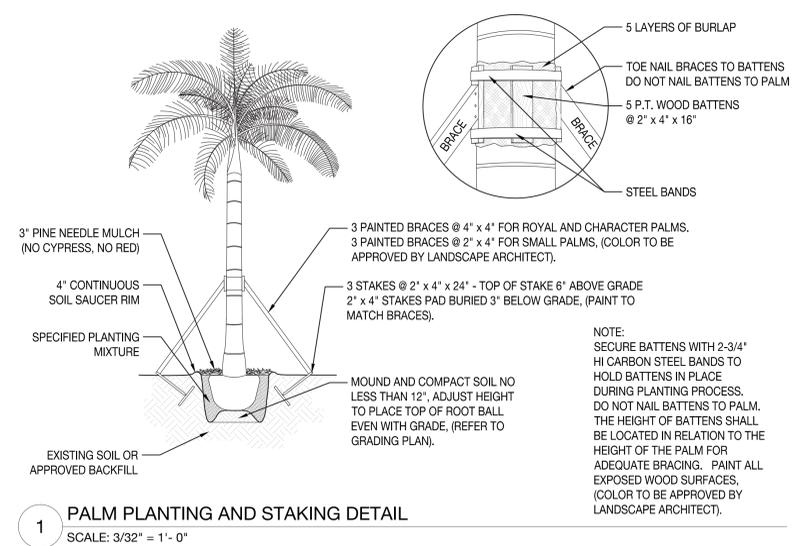


PLANTING SCHEDULE AMENITY LEVEL

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



L704



IRRIGATION NOTES

- IRRIGATION PLAN IS CONCEPTUAL; FURTHER DESIGN TO BE COMPLETED BY IRRIGATION CONTRACTOR/DESIGNER.
- 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.
- ALL NEW TREES AND SHRUBS TO RECEIVE DRIP-TYPE IRRIGATION.
- ALL REVEGETATED AREAS TO RECEIVE SPRAY-TYPE IRRIGATION FOR FIRST TWO GROWING SEASONS MINIMUM.
- ALL PERENNIAL BEDS TO RECEIVE SPRAY-TYPE IRRIGATION.
- ALL SPRAY TYPE IRRIGATION TO BE DIRECTED AWAY FROM STRUCTURES.
- INSTALL SPRAY HEADS ALONG SIDEWALKS ON POP-UP RISERS.
- LOCATE HEADS SO THEY ARE PROTECTED FROM TRAVEL AND DO NOT CAUSE WATER TO FALL ON PAVED, MASONRY, OR OTHER ARCHITECTURAL SURFACES.
- ADJUST HEAD LOCATION IF SPRAY IS DETRIMENTAL TO OR BLOCKED BY TREE, SHRUB, OR STRUCTURE, MAINTAINING EVEN COVERAGE OF PLANTING AREAS.
- GENERAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF SLAB PENETRATIONS FOR IRRIGATION EQUIPMENT WITH MECHANICAL CONTRACTORS.
- INSTALL MAIN LINES TO SLOPE AT 1% MINIMUM TO MANUAL DRAIN VALVES LOCATED AT LOW POINTS OF MAIN SYSTEM.
- INSTALL 3/4 INCH POLYETHYLENE LATERAL LINES TO SLOPE AT 1% MINIMUM TO AUTOMATIC DRAIN VALVES LOCATED AT LOW POINTS OF LATERAL SYSTEMS.
- 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.
- 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.
- CONTROL VALVE BOX AND HEAD BOX LOCATIONS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. COLOR, BLACK.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.).
- 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.
- IRRIGATION SYSTEM TO BE COMPLETELY DRAINED TO PROTECT PIPE FROM BURSTING PRIOR TO FREEZING TEMPERATURES ANNUALLY.
- PROVIDE SLEEVES AS REQUIRED FOR IRRIGATION LINES. IRRIGATION SYSTEMS SHALL BE CONSTRUCTED PRIOR TO PAVING AND LANDSCAPE WORK.

IRRIGATION LEGEND

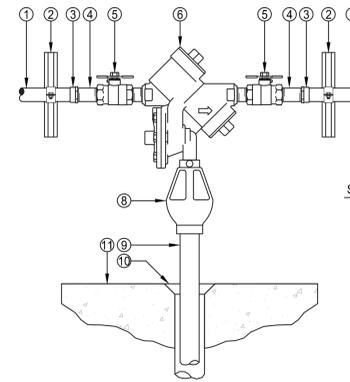
ADJ.	QT.	HF.	3QT.	FL.	MANUF.	MODEL	PSI	GPM	RADIUS	NOTES
☐	☐	☐	☐	●	TORO	570 MPR	30	.125 / .25 / .50 / 1.0	8'	LOW ANGLE NOZZLE
☐	☐	☐	☐	●	TORO	570 MPR	30	.40 / .70 / 1.04 / 1.5	10'	LOW ANGLE NOZZLE
☐	☐	☐	☐	○	TORO	570 MPR	30	.85 / 1.65 / 2.60 / 3.60	15'	LOW ANGLE NOZZLE
☐	☐	☐	☐	○	TORO	500 MPR	30	2.4		FLOOD BUBBLER
☐	☐	☐	☐	⊕	RAINBIRD	PGA PLASTIC VALVE (1 1/2", 2", & 2 1/2")				
☐	☐	☐	☐	⊕	TORO	QUICK COUPLER VALVE				INTALL IN 6" VALVE BOX W/ COVER
☐	☐	☐	☐	⊕		VALVE & CONTROLLER NUMBER				
☐	☐	☐	☐	⊕		VALVE SIZE				
☐	☐	☐	☐	⊕		APPROXIMATE GPM				
☐	☐	☐	☐	M		IRRIGATION METER TO BE PROVIDED BY OWNER				
☐	☐	☐	☐	G		GATE VALVE - LINE SIZED - INSTALL ON MAIN LINE EVERY 200'				
☐	☐	☐	☐	C	RAINBIRD	- AUTOMATIC CONTROLLER				
☐	☐	☐	☐	C	RAINBIRD	- ESP 4LX PEDESTAL MOUNTED				
☐	☐	☐	☐	B		REDUCED PRESSURE BACKFLOW PREVENTER - INSTALL PER LOCAL CODE				
☐	☐	☐	☐	R		HUNTER MINI CLICK RAIN SENSOR (ONE PER STATION, ONE PER SITE MOUNT IN OBSTRUCTED LOCATION NEAR CONTROLLER)				
---	---	---	---	---		2 1/2" MAIN LINE PVC SCH. 40, ASTM-D-2241				
---	---	---	---	---		LATERAL LINE PVC SCH. 40 ASTM-2-2241				
---	---	---	---	---		SLEEVES SCH. 40 PVC PIPE 1 IN. MIN. CLEARANCE BETWEEN SLEEVES AND PVC PIPES				

ALL LATERAL LINES TO BE SIZED ACCORDING TO CHART

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

LINES RUNNING UNDER PAVING TO BE SLEEVED ACCORDING TO THE FOLLOWING CHART

LINE SIZE	SLEEVE SIZE
3/4"	1 1/2"
1"	2"
1 1/4"	2 1/2"
1 1/2"	3"
2"	4"
2 1/2"	5"
3"	6"



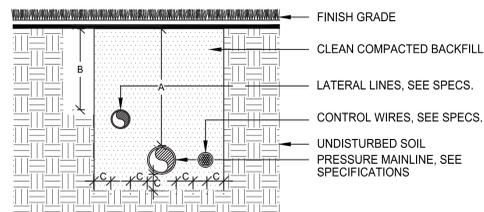
SYM. DETAIL COMPONENT LEGEND

- 1 1/4" COPPER STUB OUT FROM BUILDING WATER (BY PLUMBER)
- UNI-STRUT SUPPORT BRACKET, 24" MINIMUM LENGTH, WITH CUSH-A-CLAMP PIPE HANGERS
- 1 1/4" X 1" COPPER SWEAT X FIPT REDUCING FEMALE ADAPTER
- 1" X 3" BRASS THREADED NIPPLE
- UNION STYLE BALL VALVE, PART OF BACKFLOW DEVICE
- REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
- 1" COPPER PIPE TO ADJACENT PRV, MCV AND FS ASSEMBLY
- AIR GAP REQUIRED FOR BACKFLOW PREVENTION DEVICE
- 1" DRAIN LINE, SCH. 40 PVC TO FLOOR DRAIN
- DRAIN IN FLOOR OF ROOM (BY PLUMBER)
- FLOOR OF ROOM (BY OTHERS)

SECTION VIEW

1 REDUCED PRESSURE BACKFLOW DEVICE

NTS

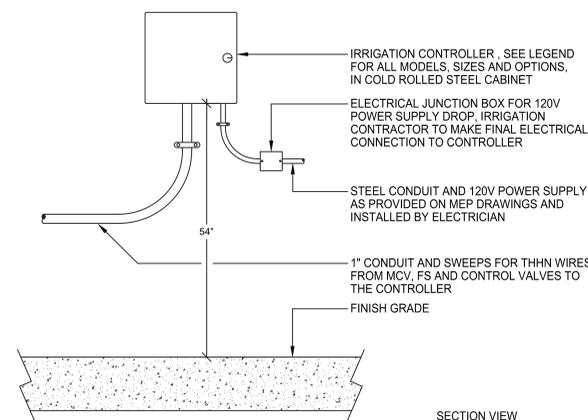


DIMENSION	A	B	C
1/2" TO 2" IN SIZE	18"	12"	4"

SECTION VIEW

2 PIPE INSTALLATION

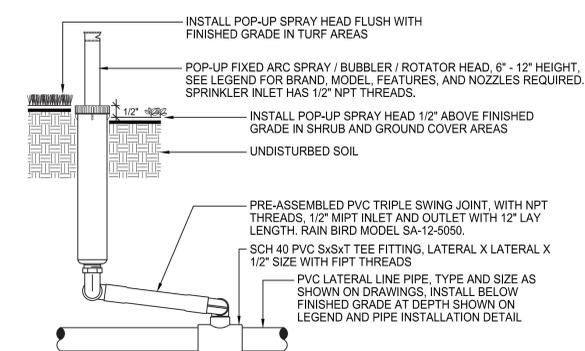
NTS



SECTION VIEW

3 CONTROLLER INSTALLATION

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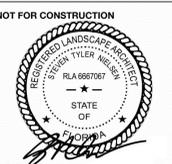


SECTION VIEW

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.

4 POP - UP SPRINKLER HEAD

NTS



IRRIGATION NOTES	
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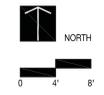
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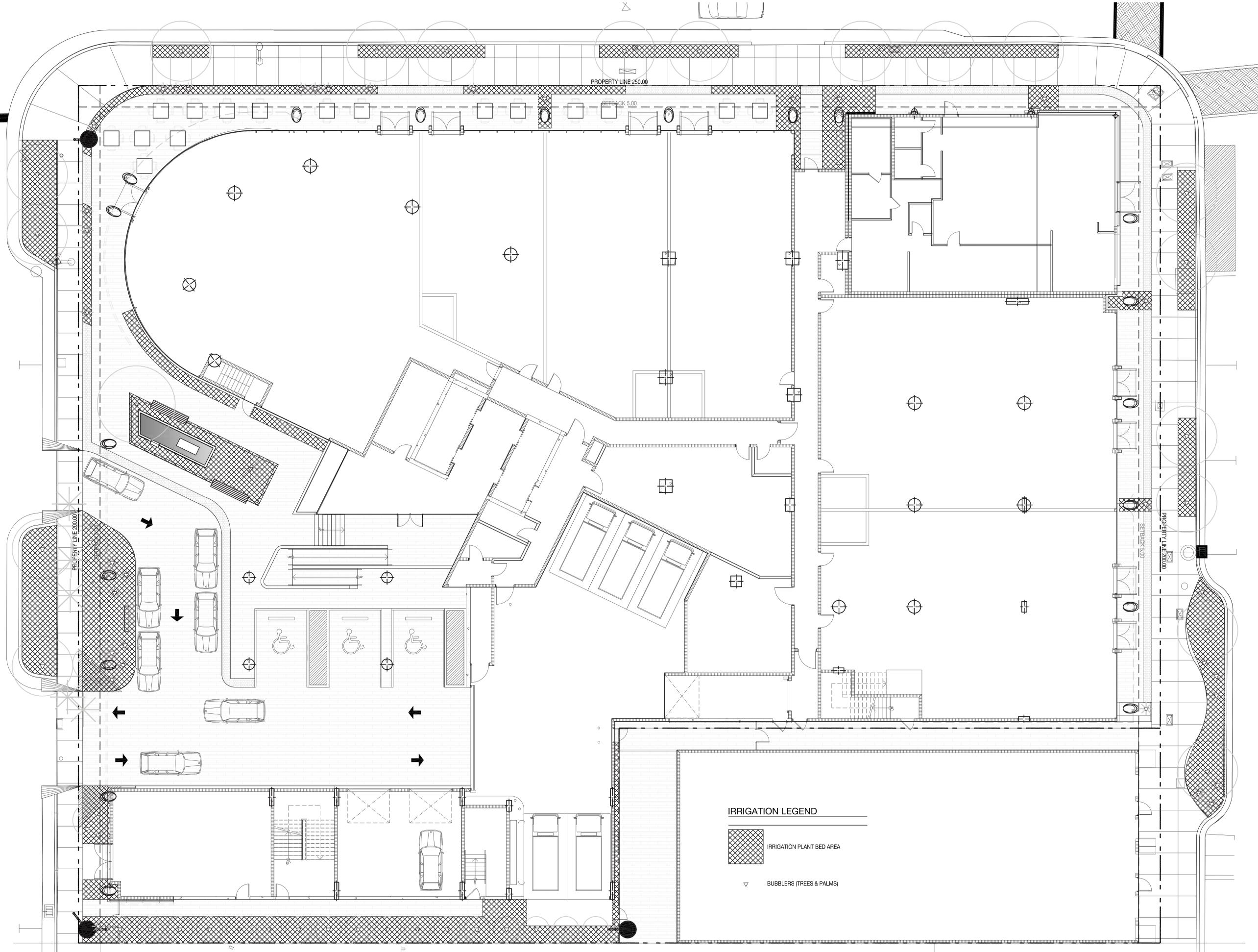


IRRIGATION PLAN

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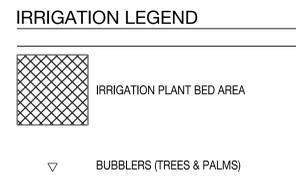
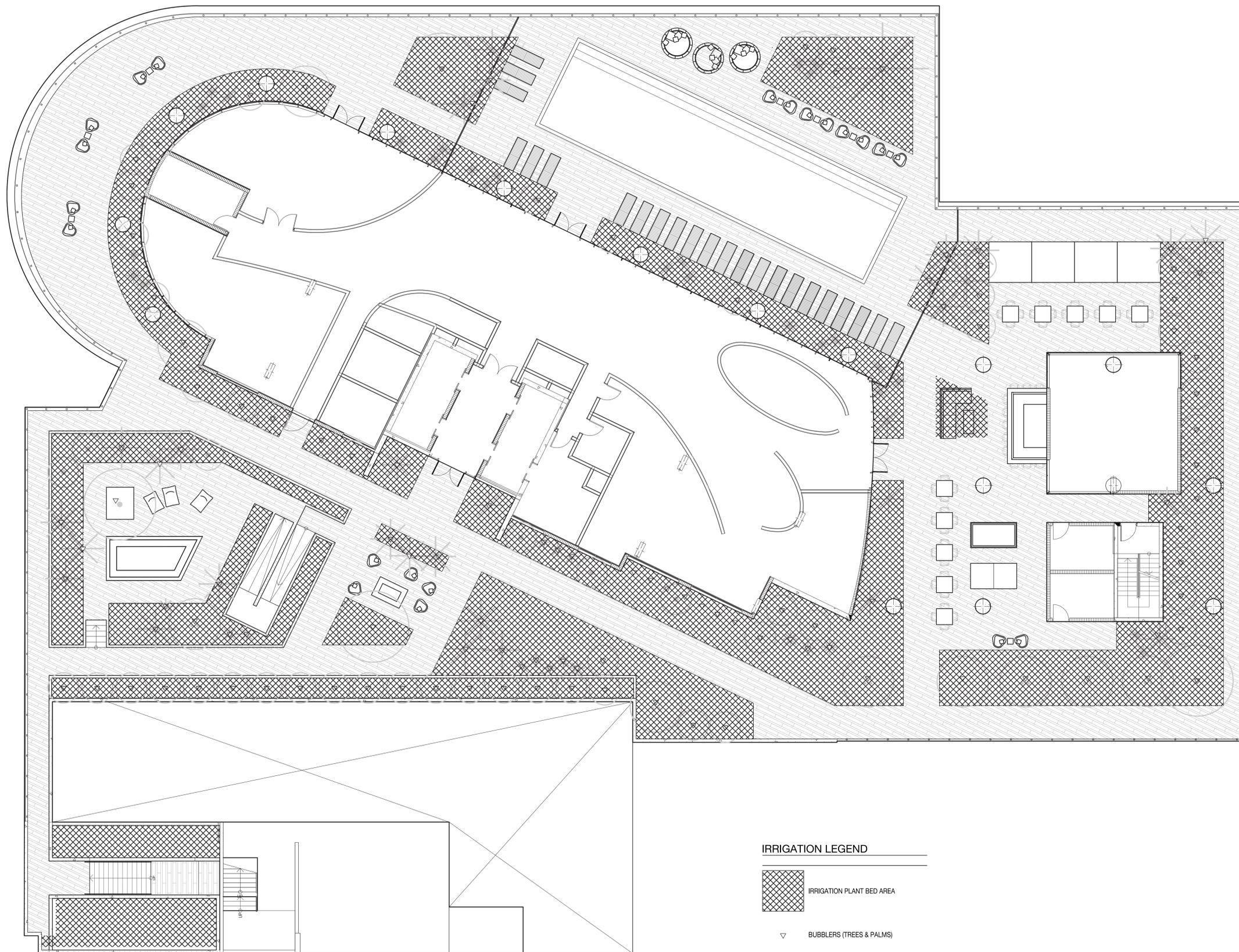


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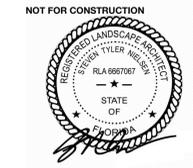
IRRIGATION LEGEND

-  IRRIGATION PLANT BED AREA
-  BUBBLERS (TREES & PALMS)

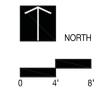


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EXTERIOR LIGHTING NOTES

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.

EXTERIOR LIGHTING SCHEDULE GROUND LEVEL

SYMBOL	QUANTITY	TYPE	MANUFACTURER	SPECIFICATION NUMBER	LAMP	NOTES
□	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	

EXTERIOR LIGHTING SCHEDULE AMENITY LEVEL

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	

EXTERIOR LIGHTING CUT SHEETS

auroralight TYPE: SQ-BR-M-30-LED

LDM250 SONOMA

The LDM250 directional luminaire is a high flux, low wattage LED luminaire. Coupled to a brass body, our Thermally Integrated™ LED Module provides superior heat dissipation, longer life and higher performance. With five different beamination patterns you are provided great versatility and although designed as a small scale luminaire, it can also be mounted vertically as a spot light or wall-washer for adults' feet.

Size LDM250 for additional size and wattage options.

Features include:

- Cree XLAMP® High Intensity (HP-L) LED
- 2700, 3000 or 4000K (CRI 90+) Light
- Thermally Integrated™, Field Serviceable LED Module
- Recommended Spacing 18"-24" O.C.
- 70°C Max. Operating Temperature
- 12 VAC Electronic or Magnetic Source Compatible
- Solid Copper and Brass Construction

BEAM PATTERNS

ORDERING GUIDE LDM250 - LED (BY PRESET BEAM PATTERNS ONLY)

NATURAL	BEAM PATTERNS	LED	ACCESSORIES	FINISH
2700K	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing
3000K	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing
4000K	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing

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auroralight TYPE: BR-M-30-LED

LSL2 KENTIA

The LSL2 accent light is a high performance, low wattage LED accent light. Matched from solid brass and copper bar, its sleek styling and precise engineering make this luminaire both distinctive and functional. Engineered to provide an ideal heat-sink for the high flux LED array, the Kentia addresses the need for thermal management features. Our exclusive AME™ mounting system offers an extensive selection of mounting options.

Size LSL2, LSL2-L, LSL2-L and LSL2 for additional size and wattage options.

Features include:

- Cree XLAMP® High Intensity (HP-L) LED
- 2700, 3000 or 4000K (CRI 90+) Light
- Fully Integrated LED
- Recommended Spacing 18"-24" O.C.
- 70°C Max. Operating Temperature
- 12 VAC Electronic or Magnetic Source Compatible
- Solid Copper and Brass Construction

ORDERING GUIDE LSL2 - LED (BY SPOTLIGHT BEAMS)

NATURAL	SPOTS	LED	ACCESSORIES	FINISH
2700K	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing
3000K	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing
4000K	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing

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auroralight TYPE: SQ-BR-M-30-LED

LMWL MICRO WELL

The Award-Winning LMWL Micro Well Spot is a form of the art high performance LED luminaire. It is packed with features, yet remains small in size. The light source can be aimed or rotated up to one inch, 360° degrees side to side and rotated a full 360 degrees to provide superior lighting performance.

Features include:

- Cree XLAMP® (HP-L) LED
- 2700, 3000 or 4000K
- Fully Integrated LED
- Rotated for Vertical and Exterior Use
- Operates at 120VAC
- 12 VAC Electronic or Magnetic Source Compatible
- Solid Brass Body with Brass or Stainless Steel Facplate

FACPLATE OPTIONS

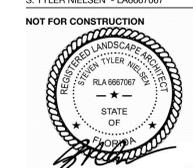
ORDERING GUIDE LMWL - LED (BY BEAM WELL LIGHT)

FACPLATE	SPOTS	LED	ACCESSORIES	FINISH
2700K	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing	2700K 18" Spacing
3000K	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing	3000K 18" Spacing
4000K	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing	4000K 18" Spacing

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LIGHTING SCHEDULE & NOTES

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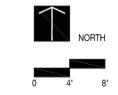
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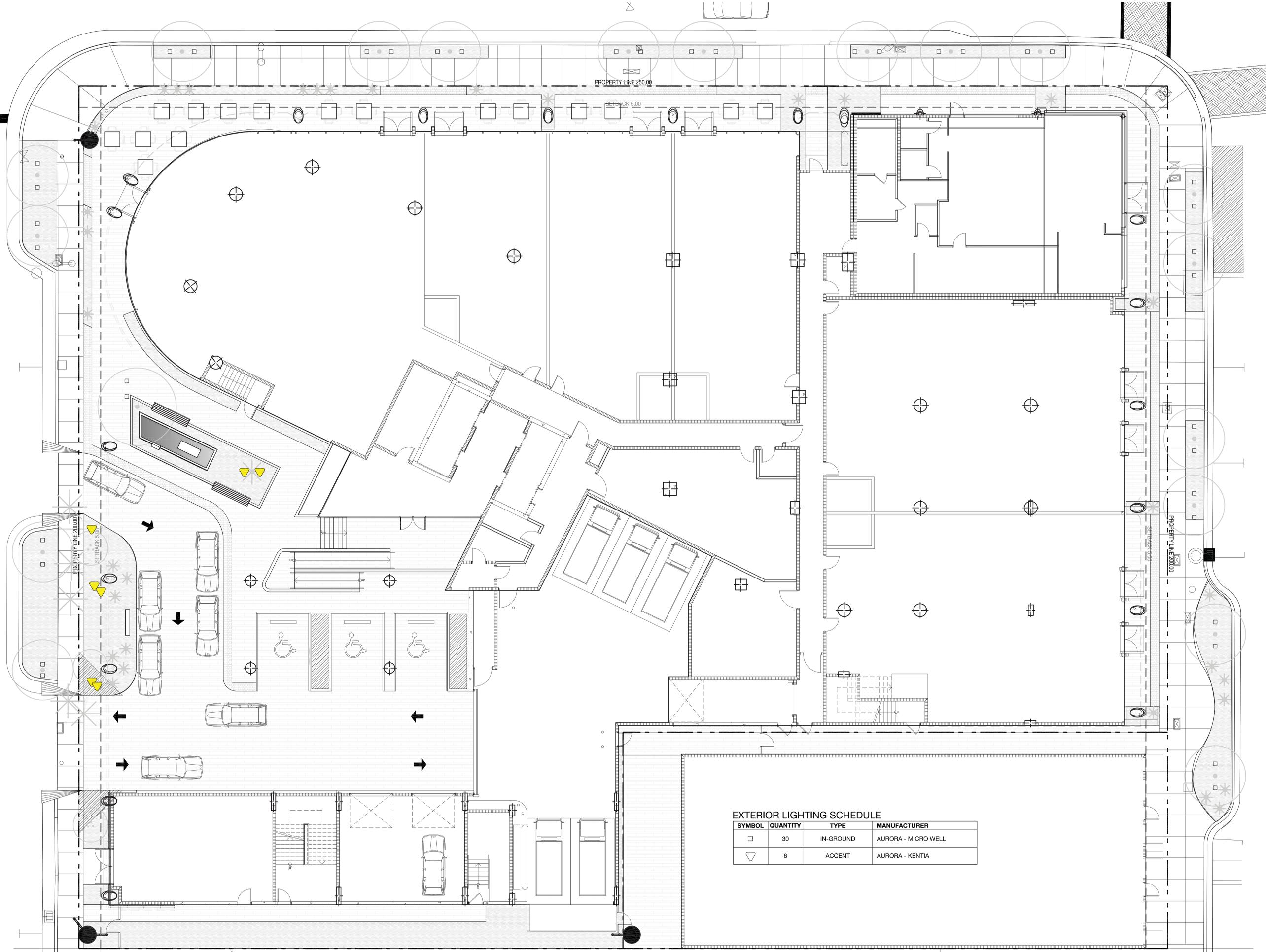


LIGHTING PLAN

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EXTERIOR LIGHTING SCHEDULE

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

7140 COLLINS HOTEL
7140 COLLINS AVENUE | MIAMI BEACH, FLORIDA 33411

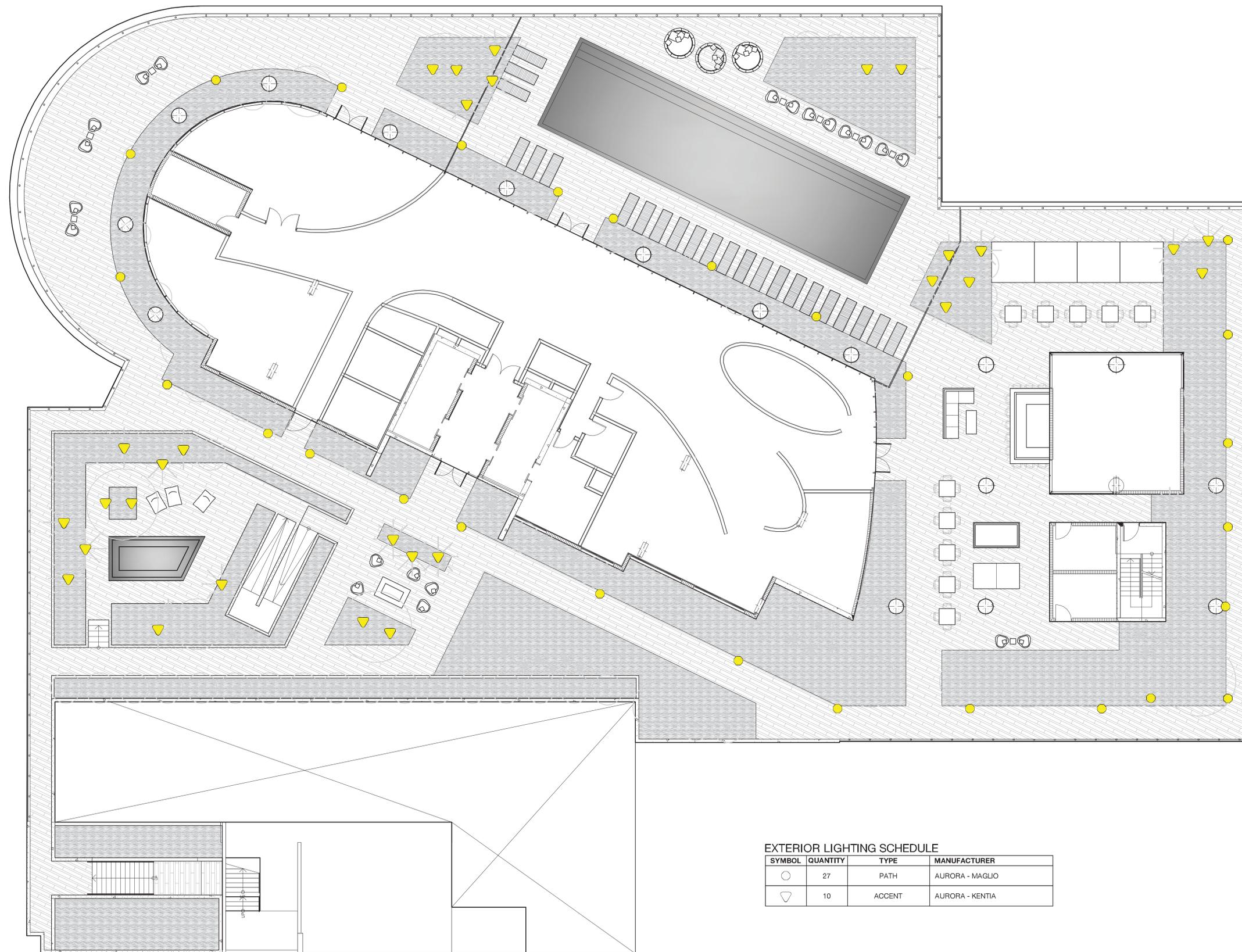
S. TYLER NIELSEN - LA6667067

NOT FOR CONSTRUCTION



LIGHTING PLAN

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



EXTERIOR LIGHTING SCHEDULE

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