

# L-0.00 COVER SHEET

## CITY OF MIAMI BEACH LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District CPS-1 Lot Area 6,500 SF Acres 0.1492195

### OPEN SPACE

A. Square feet of required Open Space as indicated on site plan:

Lot Area = 6,500 s.f. x 20 % = 1,300 s.f.

B. Square feet of parking lot open space required as indicated on site plan:

Number of parking spaces n/a x 10 s.f. parking space =

C. Total square feet of landscaped open space required: A+B=

REQUIRED/  
ALLOWED PROVIDED

1,300 SQF Req. 804 SQF Prov.

n/a street parking n/a street parking

n/a n/a

### LAWN AREA CALCULATION

A. Square feet of landscaped open space required

1,300 SQF Req. 645 SQF Prov.

B. Maximum lawn area (sod) permitted= 20 % x 1,300 s.f.

260 SQF Allow. 0 SQF

### TREES

A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=

22 trees x 0.149 net lot acres - number of existing trees=

4 Trees Req. 3 Prov.

B. % Natives required: Number of trees provided x 30% =

4 Req. 3 Prov.

C. % Low maintenance / drought and salt tolerant required:

Number of trees provided x 50%=

2 Req. 3 Prov.

D. Street Trees (maximum average spacing of 20' o.c.)

180 linear feet along street divided by 20'=

9 Required 2 Existing

E. Street tree species allowed directly beneath power lines:

(maximum average spacing of 20' o.c.):

n/a linear feet along street divided by 20'=

n/a n/a

### SHRUBS

A. Number of shrubs required: Sum of lot and street trees required x 12=

156 Req 12 Prov.

B. % Native shrubs required: Number of shrubs provided x 50%=

78 Req 0 Prov.

### LARGE SHRUBS OR SMALL TREES

A. Number of large shrubs or small trees required: Number of required shrubs x 10%=

16 Req 0 Prov.

B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=

8 Req 0 Prov.

## SHEET INDEX

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L-1.11	ROOF HARDSCAPE PLAN	●	●						
L-2.00	HARDSCAPE SECTIONS	●	●						
L-3.00	TREE DISPOSITION PLAN	●	●						
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L-3.11	ROOF LANDSCAPE PLAN	●	●						
L-3.20	GENERAL PLANTING DETAILS	●	●						
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L-5.10	GROUND LEVEL IRRIGATION PLAN	●	●						
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## SCOPE OF WORK

● HARDSCAPE, LANDSCAPE, IRRIGATION, AND LANDSCAPE LIGHTING WITHIN THE LIMITS DEFINED BY THE PROPERTY LINE

## GENERAL SITE NOTES

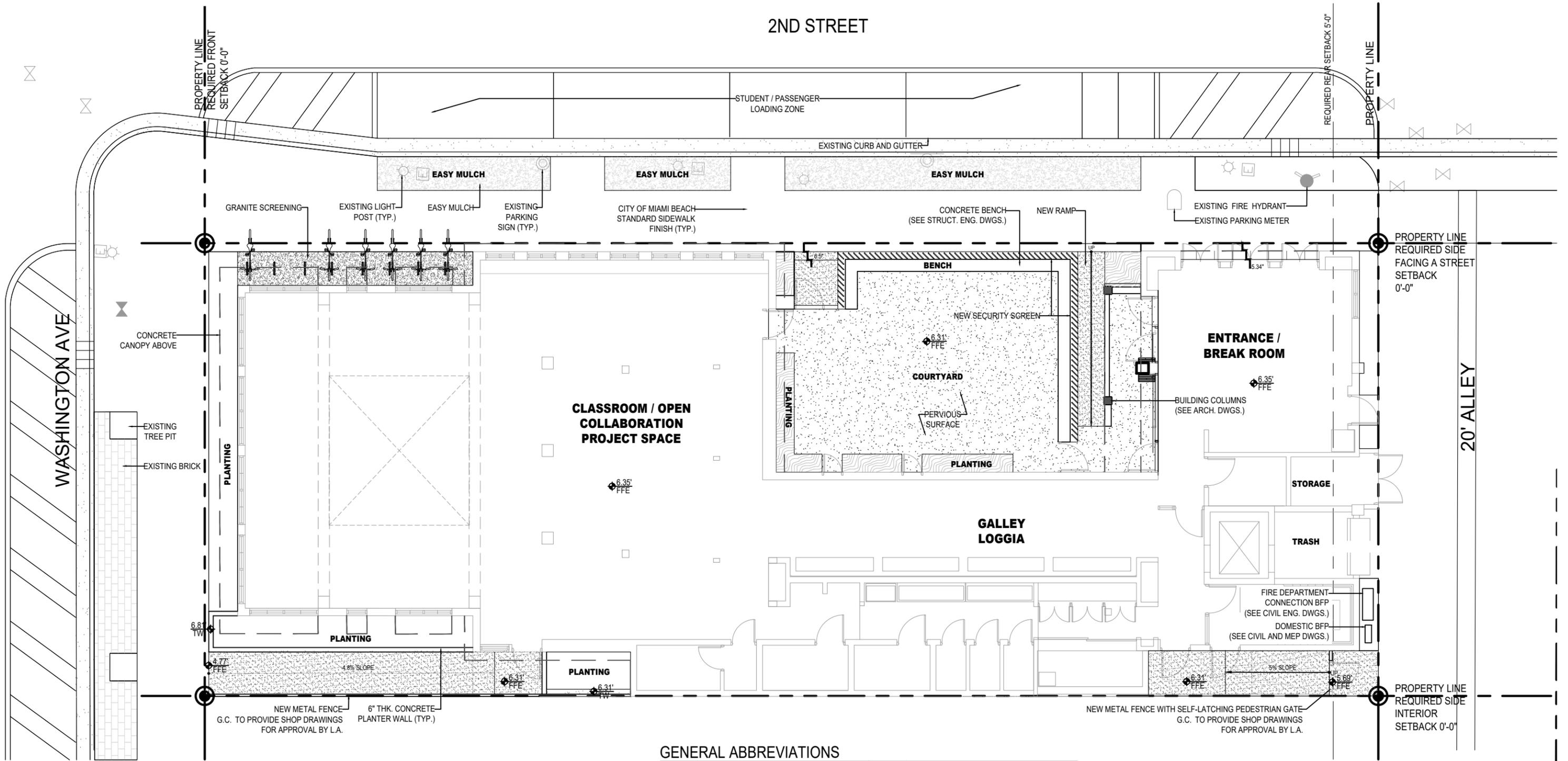
- GENERAL CONTRACTOR, SUBCONTRACTORS, AND INSTALLERS SHALL CROSS REFERENCE ARCH. DWGS, ENGINEERING DWGS., AND LANDSCAPE DWGS., THROUGHOUT THE IMPLEMENTATION TO ENSURE THE DESIGN INTENT IS MET. ANY DISCREPANCIES SHALL BE NOTED AND BROUGHT TO THE GENERAL CONTRACTOR'S ATTENTION.
- SEE CIVIL AND ARCHITECTURE DRAWINGS FOR F.F.E & SURFACE DRAINAGE. SURFACE GRADING, DRAINAGE, AND FFE SHOWN FOR REFERENCE ONLY.
- SEE MEP AND CIVIL DRAWINGS FOR IRRIGATION CONNECTIONS.
- SEE STRUCT. ENG. DRAWINGS FOR STRUCTURAL COMPONENTS.
- SEE ELECTRICAL ENG. DRAWINGS FOR LANDSCAPE LIGHTING WIRING.
- ALL WORK, MATERIALS, AND EQUIPMENT UTILIZED IN THIS PROJECT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE GOVERNING ZONING & BUILDING CODE, MANUFACTURER'S RECOMMENDATIONS, AND SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING SITE PRIOR TO BIDDING IN ORDER TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AFFECTING THE WORK, INCLUDING BUT NOT LIMITED TO PRIVATE AND PUBLIC UTILITIES, ON AND OFF SITE, ACCESS ROADS, AND OTHER SUPPORT FACILITIES.
- CONTRACTOR MUST NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF ANY UNEXPECTED OR UNKNOWN CONDITIONS OR DISCREPANCIES IN THE DRAWINGS AND CONTRACT DOCUMENTS, AS WELL AS ANY ERRORS OR OMISSIONS ON THE DRAWINGS PRIOR TO PROCEEDING WITH THE WORK OR SHOP FABRICATION.
- CONTRACTOR SHALL PREPARE AND MAINTAIN ALL CONSTRUCTION AREAS, AS WELL AS SURROUNDING AREAS FREE OF DEBRIS OR HAZARDOUS EQUIPMENT AT ALL TIMES.

## GENERAL ABBREVIATIONS

TW	TOP OF WALL	OA	OVERALL PLAN
TPW	TOP OF PLANTER WALL	CONC	CONCRETE
TB	TOP OF BENCH	LA	LANDSCAPE ARCHITECT
TC	TOP OF CURB	ARCH	ARCHITECT
FFE	FINISH FLOOR ELEVATION	STRUCT	STRUCTURE / STRUCTURAL
AFF	ABOVE FINISH FLOOR	ENG	ENGINEER
P.L.	PROPERTY LINE	DWGS	DRAWINGS
TG	TOP OF GRADE	TYP	TYPICAL
M	MONUMENT LINE	EXST	EXISTING
C	CENTER LINE	HSCP	HARDSCAPE
ML	MATCH LINE	LSCP	LANDSCAPE
EL	ENLARGED PLAN	PLNT	PLANTING



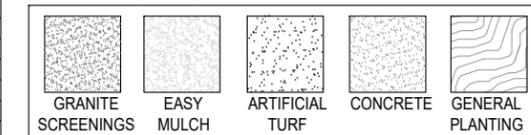
# L-1.10 HARDSCAPE PLAN



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ML	MATCH LINE	LSCP	LANDSCAPE
EL	ENLARGED PLAN	PLNT	PLANTING

## GRAPHIC LEGEND

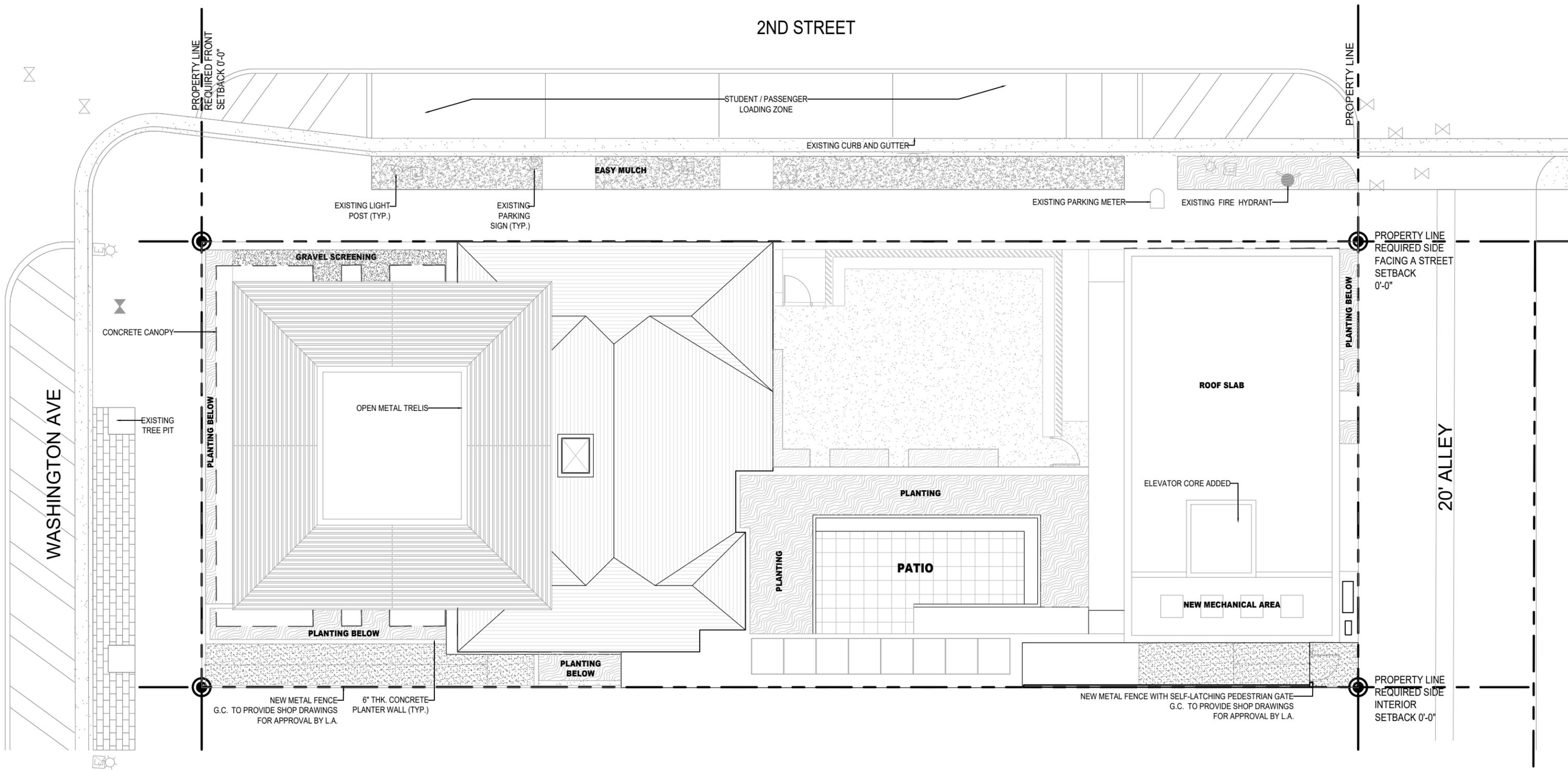


## NATURALFICIAL

LANDSCAPE ARCHITECTURE + DESIGN  
 6915 Red Road, Suite 224  
 Coral Gables, FL 33143  
 O: 786.717.6564 / M: 305.321.2341  
 www.naturalficial.com  
 FIRM REG. NO. LC26000548

Shulman +  
 Associates

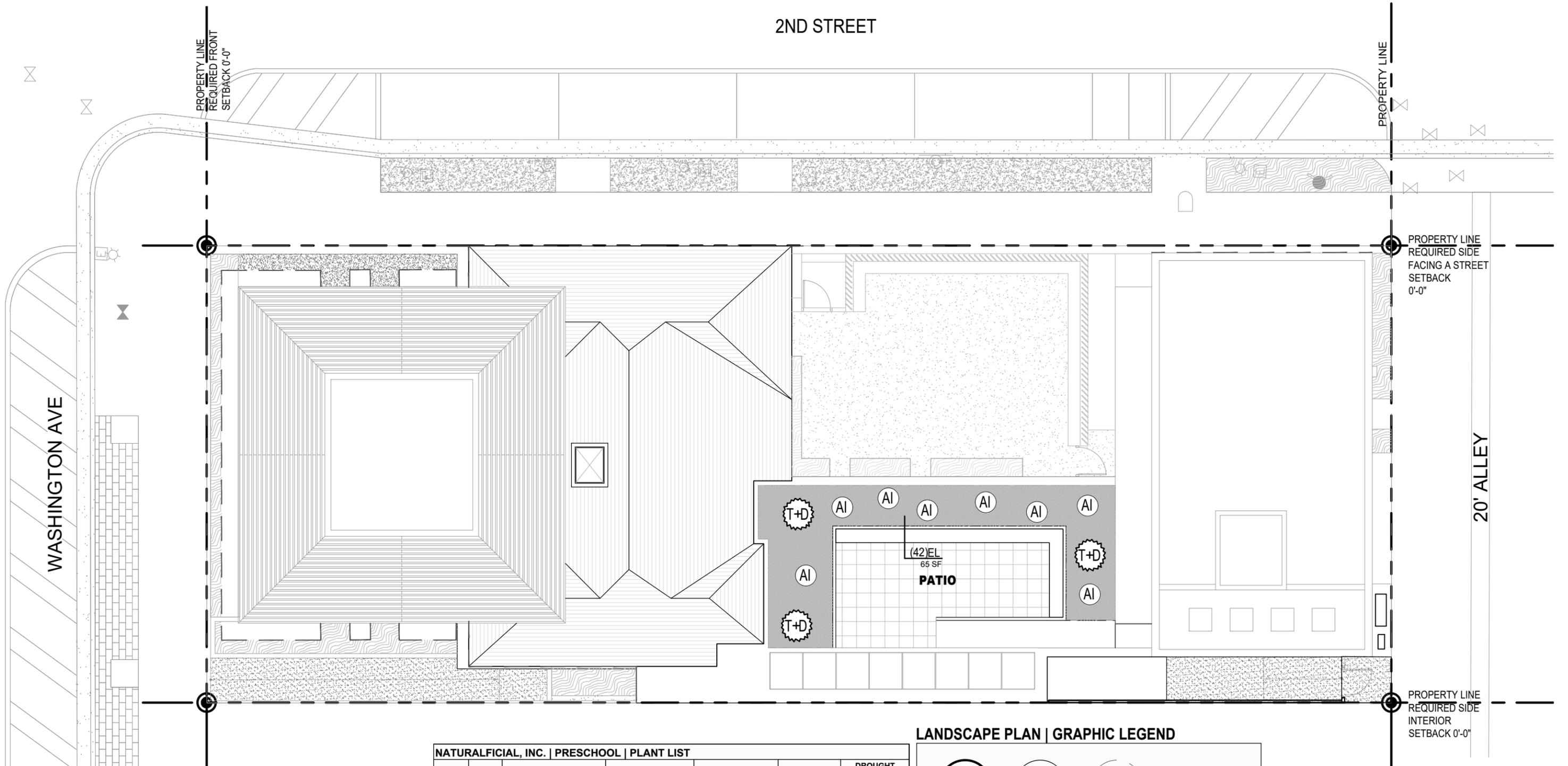
# L-1.11 ROOF HARDSCAPE PLAN







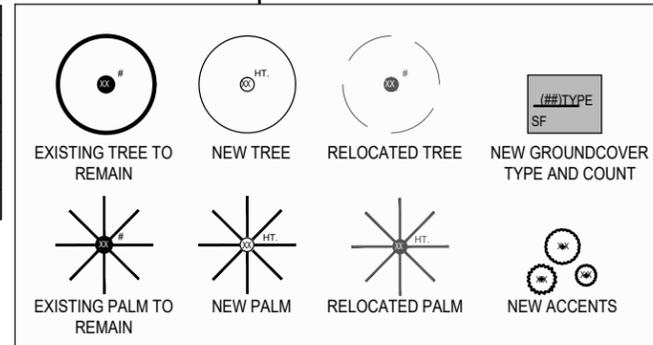
# L-3.11 ROOF LANDSCAPE PLAN



**NATURALFICIAL, INC. | PRESCHOOL | PLANT LIST**

QTY	ABRV.	BOTANICAL NAME	COMMON NAME	SPECS	FL. NATIVE	DROUGHT TOLERANT	
<b>ACCENTS</b>							
8	AI	<i>Alcantarea imperialis</i>	Same	7G		X	X
3	TD	<i>Tripsacum dactyloides</i>	Fakahatchee Grass	7G		X	X
<b>GROUNDCOVERS</b>							
42	EL	<i>Ernodea littoralis</i>	Golden Creeper	3G @ 15" O.C.	X	X	

## LANDSCAPE PLAN | GRAPHIC LEGEND



NOTE:  
REFER TO SHEET L-0.00 FOR CITY OF  
MIAMI BEACH LANDSCAPE LEGEND

# L-3.20 GENERAL PLANTING DETAILS

## GENERAL PLANTING NOTES AND SPECIFICATIONS:

### GENERAL

- EXISTING TREES DESIGNATED TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY TREES DESIGNATED TO REMAIN WHICH ARE SCARRED OR DESTROYED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
- EXISTING TREES DESIGNATED TO BE STORED OFF-SITE SHALL BE PROTECTED AND CARED FOR ACCORDING TO INDUSTRY STANDARDS. ANY TREES OR SHRUBS SCARRED OR DESTROYED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
- LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGE TO UTILITIES AND/OR CONSTRUCTION CAUSED BY CONSTRUCTION OR DIGGING AT NO COST TO THE OWNER.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF 12 MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION.
- LANDSCAPE CONTRACTOR SHALL VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE DRAWINGS PRIOR TO SUBMITTING HIS BID. PLANTING PLAN TO TAKE PRECEDENCE OVER PLANT LIST.
- EXISTING PLANT MATERIAL NOT SHOWN ON THE PLAN AND IN CONFLICT WITH NEW PLANTING SHALL BE EVALUATED AT THE TIME OF NEW PLANTING INSTALLATION BY THE LANDSCAPE ARCHITECT.
- ALL BUILDING CONSTRUCTION MATERIAL AND FOREIGN MATERIAL SHALL BE REMOVED FROM PLANTING AREAS AND REPLACED WITH 80/20 MIX FILL SOIL, OR AS PER SPECIFICATIONS. ALL ISLANDS IN PARKING LOTS AND AROUND BUILDINGS SHALL BE EXCAVATED TO A DEPTH OF 3" MIN. AND REPLACED WITH 80/20 MIX, OR AS PER SPECIFICATIONS.
- ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLAN SHALL BE CONSIDERED DIAGNOSTIC AND SHOULD BE ADJUSTED IN THE FIELD BY CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS AFTER CONSULTING THE LANDSCAPE ARCHITECT.
- ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST ARE TO BE CONSIDERED MINIMUM. ALL PLANT MATERIAL MUST EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN SHALL ALSO BE REQUIRED FOR ACCEPTANCE. ALL TREES TO HAVE SINGLE TRUNK, UNLESS OTHERWISE NOTED ON THE PLANS OR PLANT LIST.
- SITE PREPARATION SHALL INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS AND/OR GRASS, AS WELL AS CLEAN-UP OF ANY DEAD MATERIAL AND FINISH GRADING AS PER THE SPECIFICATIONS.
- THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.
- THE LANDSCAPE CONTRACTOR SHALL EXERCISE CAUTION TO PROTECT ANY NEW HARDSCAPE, CONSTRUCTION OR IRRIGATION. ANY DAMAGE SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL STATE BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANT MATERIAL TO BE FLORIDA #1 OR BETTER AS DEFINED BY THE FLORIDA DEPARTMENT OF AGRICULTURE'S CODES AND STANDARDS FOR NURSERY PLANTS PART 1 AND #1.
- MULCH ALL PLANTING AREAS WITH SHREDDED ORGANIC MULCH TO A MINIMUM DEPTH OF 2" WITH THE EXCEPTION OF BEACH PLANTING.
- ALL PLANTING AREAS WITHIN LIMIT OF WORK SHALL BE 100% FULLY IRRIGATED. THE IRRIGATION CONTRACTOR AWARDED THE BID SHALL COMPLY WITH THE PROPOSED IRRIGATION DESIGN.
- ON-SITE LAYOUT OF PLANT MATERIAL MUST BE COORDINATED WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. I.A. TO BE GIVEN A MIN. OF (1) WEEK NOTICE TO REVIEW PRIOR TO IMPLEMENTATION.
- LANDSCAPE CONTRACTOR TO INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTIONS REQUIRED SHALL BE PERFORMED OR DIRECTED BY AN ISA OR ASCA CERTIFIED ARBORIST IN ACCORDANCE WITH HAWAII COUNTY CODE AND A-300 (PART II) PRUNING STANDARDS AND OR AN ISSUED ERM TREE OR ENVIRONMENTAL PERMIT.
- PROTECTION BARRIERS MUST BE INSTALLED AT THE DRP LINES OF ALL TREES AND PALMS TO REMAIN OR BE RELOCATED PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ON-SITE AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION HAS COMPLETED.
- MULCH SHALL NOT BE APPLIED WITHIN 6" OF ANY TREE OR PALM TRUNKS THAT ARE INSTALLED OR INCORPORATED INTO THE PROJECT. FOR ROW TREES/PALMS PLEASE UTILIZE AMERBROW (PREMIUM PINEBARK BROWN) SHREDDED MULCH OR A CITY APPROVED ALTERNATIVE.
- SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ON SITE, DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE PERFORMED OR DIRECTED 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.
- CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCHING THROUGH EXISTING TREE OR PALM DRIP LINES OF TREES SLATED 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 BROKEN BY HEAVY EQUIPMENT. SHREDDED, RAGGED OR BROKEN ROOTS ENDS SHOULD BE NOTED IN WRITING AND AN ARBORIST SHOULD BE CONSULTED PRIOR TO ANY ROOT PRUNING TAKING PLACE.

### WARRANTY

- LANDSCAPE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) YEAR GUARANTEE FOR ALL RELOCATED TREES/PALMS AFTER FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR CLIENT.
- LANDSCAPE CONTRACTOR SHALL REMOVE COMPLETELY AND DISPOSE OF OFF-SITE ANY RELOCATED TREE/PALM THAT FAILS TO THRIVE AS DETERMINED BY THE LANDSCAPE ARCHITECT.
- FOR ANY RELOCATED TREE/PALM REMOVED DUE TO ITS FAILURE TO THRIVE, LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND INSTALLING WITH A SPECIMEN OF EQUAL OR GREATER SPECIFICATION OF ORIGINAL. REPLACEMENT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, PREPARATION OR INSTALLATION.

### HANDLING AND TRANSPORTATION

- TREES/PALMS SHALL BE PROPERLY HANDLED DURING EXCAVATION, MOVING, STORAGE, RELOCATION, AND REPLANTING. DO NOT SCAR OR OTHERWISE DAMAGE TRUNKS AND BRANCHES. AVOID BREAKING LIMBS, BRANCHES, AND FRONDS. DAMAGE TO TREE/PALM MAY BE CAUSE FOR ITS REJECTION, AND MAY REQUIRE MITIGATION REPLACEMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE MANUAL WATERING OF ALL RELOCATED TREES/PALMS DURING MAINTENANCE PERIOD, UNTIL FINAL ACCEPTANCE OF ALL WORK BY THE LANDSCAPE ARCHITECT AND/OR CLIENT.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING TREE/PALM PROTECTION. INSTALL BARRICADE OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH TO ENCOMPASS THE DRP LINE OF THE TREE/PALM BARRICADE SHALL BE PLUMB, TAUT, AND STURDY. BARRICADE TO BE LEFT UP AND MAINTAINED UNTIL DIRECTED TO REMOVE BY LANDSCAPE ARCHITECT.

### TREE PROTECTION MATERIALS

- BARRICADE SHALL BE GALVANIZED AND WELDED WIRE FABRIC, 1X1" MESH, 063.48" IN HEIGHT RECOMMENDED CONTACT:  
Wira Cohn Man  
7158 12th Cir N  
Largo, FL 33773  
PH: 727.524.4000  
FX: 727.524.4000

- POSTS & RAIL, METAL POST, SUFFICIENT TO HOLD FABRIC PLUMB AND TAUT
- ACCESS: PROVIDE HINGED LATCHING GATE.
- METAL GATE: SHALL PERMIT FREE PASSAGE OF WATER, AIR AND SHALL ACCEPT CONSTRUCTION TRAFFIC WITHOUT EXCESSIVE DEFLECTION.

### WARRANTY

- LANDSCAPE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) YEAR GUARANTEE FOR ALL RELOCATED TREES/PALMS AFTER FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR CLIENT.
- LANDSCAPE CONTRACTOR SHALL REMOVE COMPLETELY AND DISPOSE OF OFF-SITE ANY RELOCATED TREE/PALM THAT FAILS TO THRIVE AS DETERMINED BY THE LANDSCAPE ARCHITECT.
- FOR ANY RELOCATED TREE/PALM REMOVED DUE TO ITS FAILURE TO THRIVE, LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND INSTALLING WITH A SPECIMEN OF EQUAL OR GREATER SPECIFICATION OF ORIGINAL. REPLACEMENT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, PREPARATION OR INSTALLATION.

### TREE / PALM RELOCATION NOTES

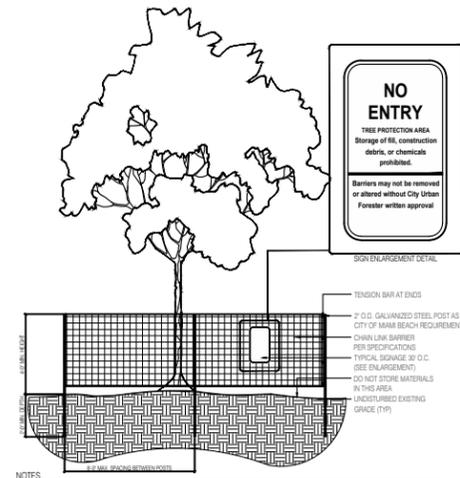
- VERIFY AND INSURE ALL TREE/PALMS IDENTIFIED ON THE CONSTRUCTION DRAWINGS AND THOSE TAGGED IN THE FIELD CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO PREPARATION.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR TREE/PALM PROTECTION OF ALL VERIFIED MATERIAL. INSTALL BARRICADE OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH TO ENCOMPASS THE DRP LINE OF THE TREE/PALM. BARRICADE TO BE REMOVED WHEN DIRECTED BY LANDSCAPE ARCHITECT.
- TREE ROOT BALL SHALL BE ROOT PRUNED 50% (EQUALLY AROUND TREE) 60 DAYS PRIOR TO TRANSPLANT. THE REMAINING 50% TO BE PRUNED 30 DAYS PRIOR TO TRANSPLANTING.
- PALMS TO BE RELOCATED MAY BE IMMEDIATELY RELOCATED AFTER DIGGING. 5. ROOTS TO BE PRUNED WITH CLEAN, SHARP TOOLS. ROOTS ONE (1) INCH AND LARGER IN DIAMETER SHALL BE NEATLY AND CLEANLY CUT WITH A HAND SAW OR OTHER APPROVED CUTTING IMPLEMENT AS DIRECTED BY AN ISA OR ASCA CERTIFIED ARBORIST.
- LANDSCAPE CONTRACTOR TO APPLY MYCORRHZA APPLICATION TO ROOTS DURING ROOT PRUNING AND DIGGING OPERATIONS. ALL PRUNING TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PRUNING.
- DEAD WOOD, CROSSING BRANCHES AND GENERAL GANTRY PRUNING SHALL BE PERFORMED OR DIRECTED BY AN ISA OR ASCA CERTIFIED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A-300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES IMMEDIATELY AFTER COMPLETION OF ROOT PRUNING OF EACH SPECIMEN TO BE RELOCATED. ALL PRUNING TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PRUNING.
- ROOT BALL SIZE TABLE:  
(NOTE: ROOT BALL SIZES SHALL EXCEED MINIMUM STANDARDS SET FORTH IN GRACES AND STANDARDS FOR NURSERY PLANTS, PART II, PALMS AND TREES, FLORIDA DEPARTMENT OF AGRICULTURE)

TREE/PALM CALIPER	MINIMUM ROOT BALL DIAMETER
1" - 1 1/2"	18"
1 1/2" - 1 3/4"	20"
1 3/4" - 2"	24"
2" - 2 1/2"	28"
2 1/2" - 3"	32"
3" - 3 1/2"	36"
3 1/2" - 4"	40"
4" - 4 1/2"	44"
4 1/2" - 5"	48"
5" - 5 1/2"	52"

- ALL TREES TO BE FLOODED FOR FIVE (5) DAYS PRIOR TO TRANSPLANT.
- ALL PITS TO BE FILLED THE SAME DAY AND WITH CLEAN FILL IN 18 INCH LIFTLAYERS, EACH THEN COMPACTED BEFORE A SUBSEQUENT 18" LIFTLAYER IS PLACED. REPEAT UNTIL BACKFILL IS FLUSH WITH SURROUNDING GRADE.
- CORRECT ALL PROBLEMS RELATED TO SETTLEMENT, EROSION, OR OTHER DRESS OF EXCAVATED/BACKFILLED PIT FROM WHICH TREE/PALM HAS BEEN REMOVED, INCLUDING THE COMPLETE AND THOROUGH REMOVAL OF ALL RESIDUAL ROOTS, STUMPS AND PORTIONS AND PARTS THEREOF.
- RESTORE THE SURFACE WITH MATERIAL TO MATCH ADJACENT AREAS. MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT. CONTRACTOR TO PROVIDE A MINIMUM ONE YEAR WARRANTY ON SETTLING AND PLANT MATERIAL.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL INCLUDING BUT NOT LIMITED TO BACKFILL, MATERIAL, PROTECTION FENCING, FLAGGING, ROOT BALL BURLAP OR SHRINK WRAP.

### INSTALLATION

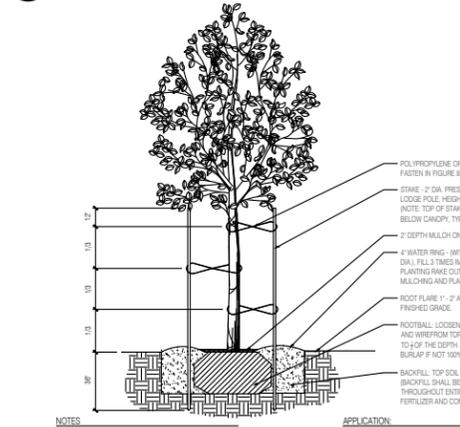
- VERIFY ALL UNDERGROUND CONSTRUCTIONS OR OBSTRUCTIONS (UTILITIES, SEPTIC SYSTEMS, ETC.) ARE IDENTIFIED, LOCATED AND CLEARLY MARKED AS APPROPRIATE PRIOR TO EXCAVATION OF PLANTING PITS FOR RELOCATED TREES AND PALMS. ANY UNKNOWN OBJECTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO INSTALLING AND BACKFILLING.
- LANDSCAPE CONTRACTOR TO FLAG ALL PROPOSED PLANT LOCATIONS FOR LANDSCAPE ARCHITECTS APPROVAL PRIOR TO INSTALLATION.
- PLANTING PITS SHALL BE A MINIMUM OF TWO (2) TIMES LARGER IN DIAMETER AND ONE AND A HALF (1-1/2) TIMES LARGER IN DEPTH THAN THE ROOT BALL, ROUGHEN SIDES AND BOTTOM OF PIT.
- AFTER EACH PLANTING PIT IS EXCAVATED, PLACE SUFFICIENT PLANT MIX IN BOTTOM OF EXCAVATION, AND SEAT PLANT, INSURING TOP OF ROOT BALL IS FLUSH WITH IMMEDIATELY ADJACENT FINAL OR PROPOSED GRADE.
- LANDSCAPE CONTRACTOR TO INSURE ALL PLANT MATERIAL IS INSTALLED AT THE CORRECT ELEVATION, REFER TO GRADING PLAN.
- LANDSCAPE CONTRACTOR TO INSURE ALL ROOT PLACES ARE EXPOSED.
- CENTER EACH RELOCATED TREE/PALM IN ITS PLANTING PIT AND BACKFILL WITH SPECIFIED PLANTING MIX.
- PLACE PLANTING MIX IN 12 INCH LIFTLAYERS AROUND ROOT BALL AND COMPACT UNTIL ALL VOIDS ARE FILLED WITH COMPACTED PLANTING MIX.
- BUILD SOIL SAUCER OF MOUND EXCAVATED SOIL AROUND PERIMETER OF EACH PLANTING PIT TO FORM WATERING BASIN. MULCH TO A DEPTH OF 3".



- NOTES:
- TREE BARRICADE APPROVAL. OBTAIN CITY APPROVAL OF TREE BARRICADES BEFORE BEGINNING CLEARING OPERATIONS OR ANY SITE DEVELOPMENT.
  - TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING, OR DEMOLITION.
  - THE TREE PROTECTION BARRICADE SHALL BE INSTALLED PER CITY OF MIAMI BEACH CODE CHAPTER 46, AND WILL BE AT LEAST FOUR (4) FEET HIGH. THE BARRIER SHALL BE CONSTRUCTED OF CONTINUOUS 2" CHAIN LINK FENCE BARRIED WITH GALVANIZED STEEL POSTS AT (8) FOOT SPACING, OR OF 2X4 POSTS WITH THREE EQUALLY SPACED 2X4 RAILS. POSTS MAY BE SHIFTED TO AVOID ROOTS.
  - THE BARRIER SHALL BE PLACED AT THE DRP LINE OF EACH TREE OR PRESERVATION AREA, AND IN NO CASE LESS THAN 10' FROM THE TRUNK OF ANY PROTECTED TREE. FOR ANY DISCREPANCIES RELATED TO PLACEMENT OF THE BARRIER, THE CITY'S URBAN FORESTER SHOULD BE CONTACTED FOR APPROVAL.
  - HAND WORK ONLY WITHIN TREE BARRICADES; NO CONSTRUCTION ACTIVITIES PERMITTED WITHIN TREE PROTECTION FENCE WITHOUT URBAN FORESTER APPROVAL.
  - TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
  - REMOVE TREE PROTECTION FENCE ONLY WITHIN WRITTEN APPROVAL FROM CITY URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.

## 1 COMB TREE PROTECTION DETAIL

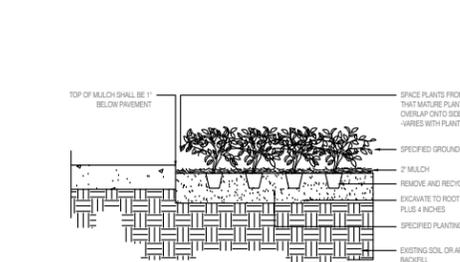
SCALE: N.T.S.



- NOTES:
- PRUNING: REMOVE ANY BROKEN BRANCHES.
  - NO MULCH WITHIN 4" OF TRUNK TOP.
  - USE THREE LOOSE POLES FOR ADDED STABILITY.
- APPLICATION:
- FOR SMALL TREES UP TO AND INCLUDING 2 1/2\"/>

## 4 SMALL TREE PLANTING AND STAKING DETAIL

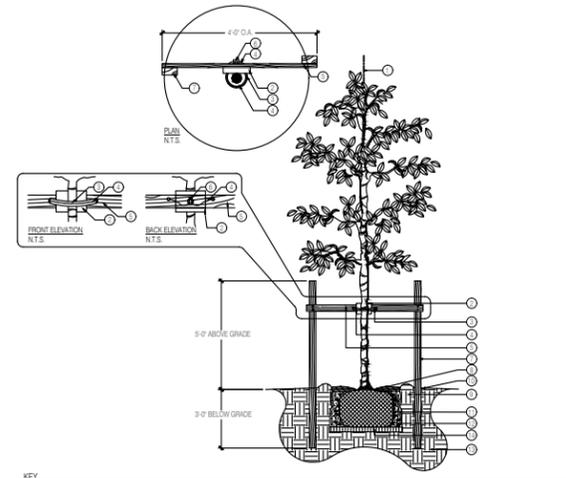
SCALE: N.T.S.



- NOTE:
- SEE PLANTING PLAN FOR SPACING.

## 7 GROUNDCOVER PLANTING DETAIL

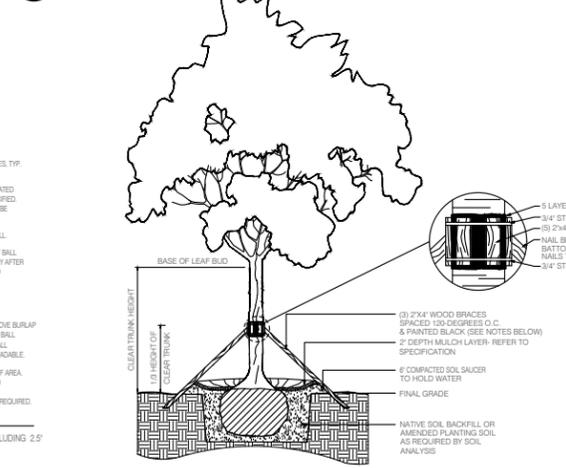
SCALE: N.T.S.



- KEY:
- SET TREE PLUMB IN PLANTING PIT.
  - PROTECT TREE TRUNK WITH 1\"/>

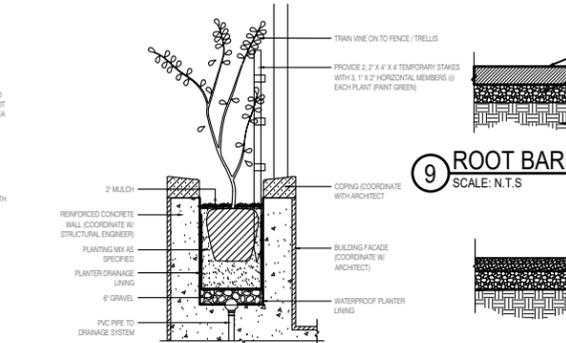
## 5 LARGE TREE PLANTING AND STAKING DETAIL

SCALE: N.T.S.



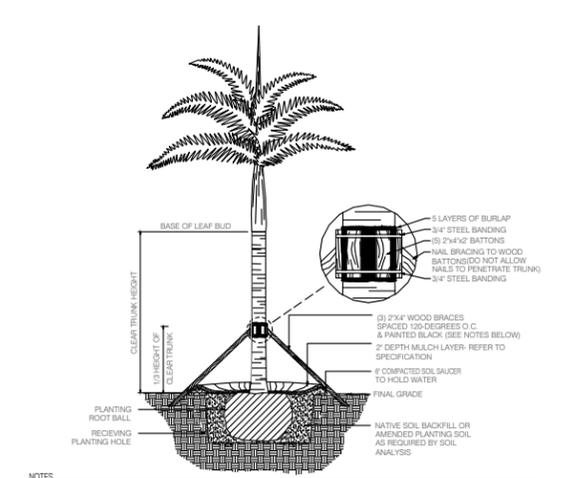
## 6 SHRUB PLANTING DETAIL

SCALE: N.T.S.



## 9 ROOT BARRIER DETAIL

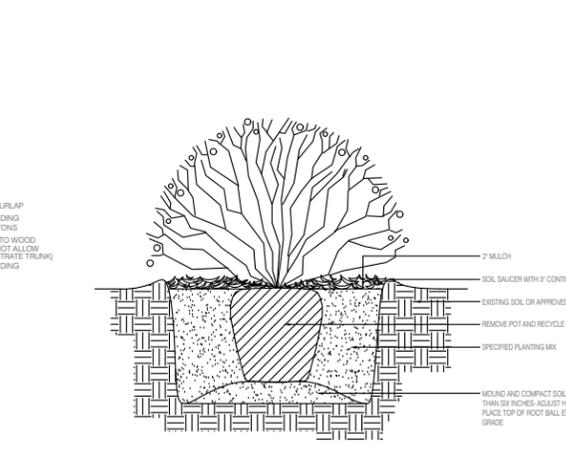
SCALE: N.T.S.



- NOTES:
- PALMS OVER 30' GVH HEIGHT, USE MINIMUM (4) 4X4 BRACING AND STAKES.
  - PRIMARY STAKES SHOULD BE PLACED PARALLEL TO WALKWAYS WHENEVER POSSIBLE.
  - RECEIVING PLANTING HOLE SHALL BE APPROXIMATELY 1.5' LARGER THAN ROOTBALL.
  - BUD SHALL BE PERPENDICULAR TO THE GROUND PLANE.
  - TRUNK SHALL BE STRAIGHT AND WITHOUT CURVES.
  - NO SCARRED OR BLACKENED TRUNKS.
  - MOUND SOIL MIX. TO BE ADDED AT THE TIME OF PLANTING IF NEEDED. SHALL CONSIST OF A RATIO MIX OF 80% CLEAN SILICA SAND AND 20% SCREENED, PLUMBERIZED TOPSOIL AS REQUIRED.

## 3 PALM PLANTING AND STAKING DETAIL

SCALE: N.T.S.

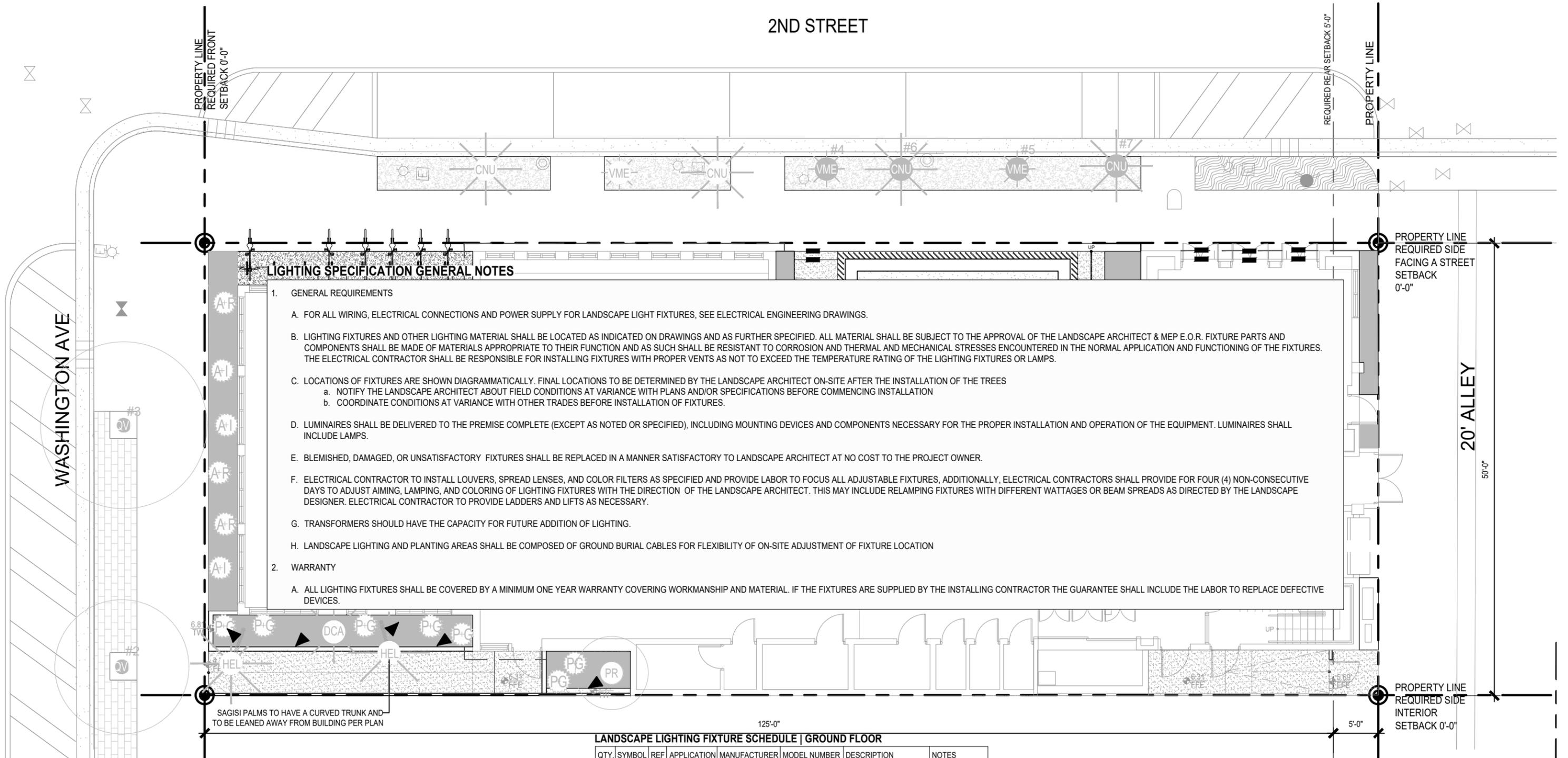


## 11 PLANT SPACING DETAIL

SCALE: N.T.S.

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FIRM REG. NO. LC26000548

# L-4.10 LANDSCAPE LIGHTING PLAN



## LIGHTING SPECIFICATION GENERAL NOTES

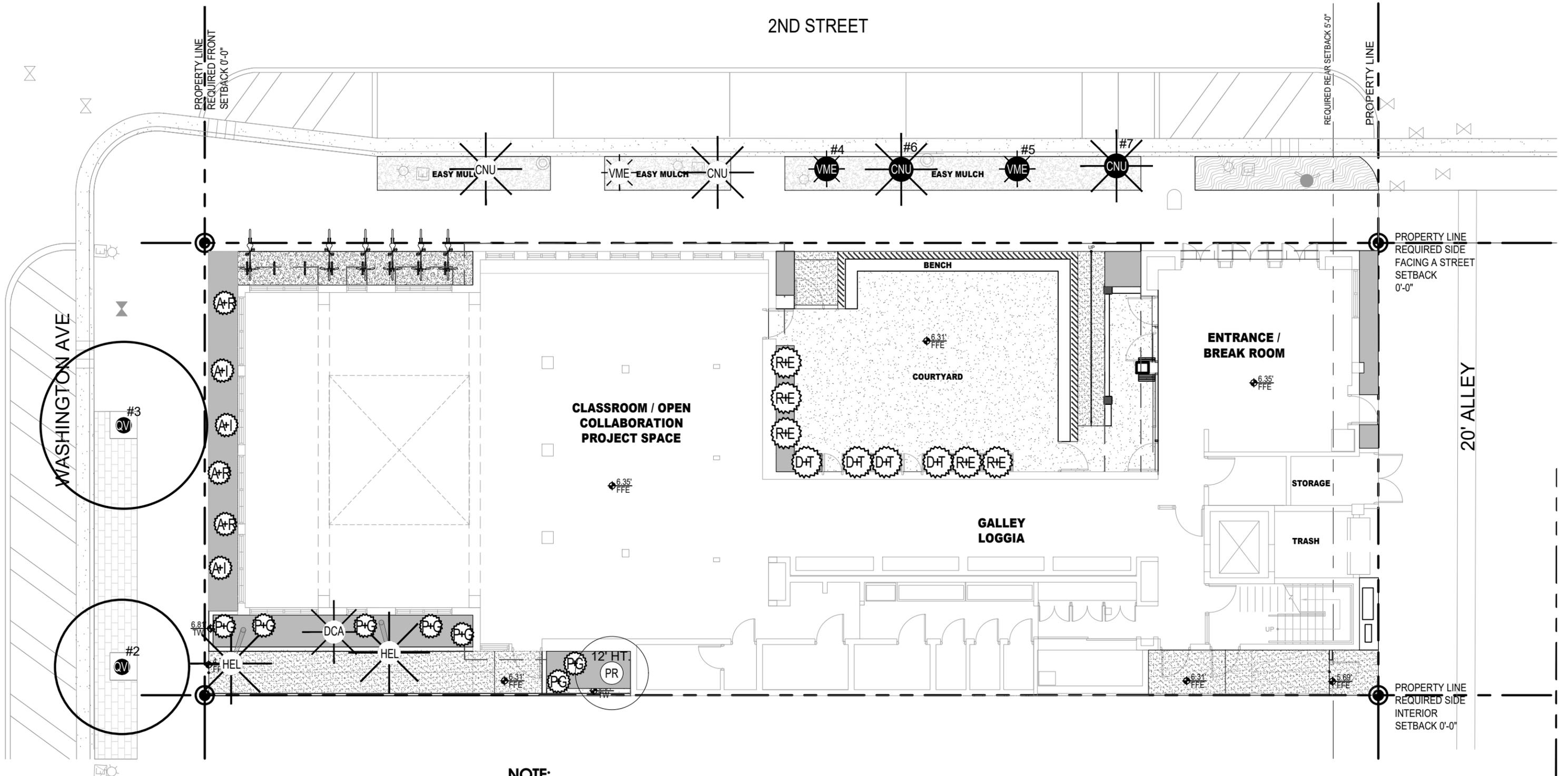
1. GENERAL REQUIREMENTS
  - A. FOR ALL WIRING, ELECTRICAL CONNECTIONS AND POWER SUPPLY FOR LANDSCAPE LIGHT FIXTURES, SEE ELECTRICAL ENGINEERING DRAWINGS.
  - B. LIGHTING FIXTURES AND OTHER LIGHTING MATERIAL SHALL BE LOCATED AS INDICATED ON DRAWINGS AND AS FURTHER SPECIFIED. ALL MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT & MEP E.O.R. FIXTURE PARTS AND COMPONENTS SHALL BE MADE OF MATERIALS APPROPRIATE TO THEIR FUNCTION AND AS SUCH SHALL BE RESISTANT TO CORROSION AND THERMAL AND MECHANICAL STRESSES ENCOUNTERED IN THE NORMAL APPLICATION AND FUNCTIONING OF THE FIXTURES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING FIXTURES WITH PROPER VENTS AS NOT TO EXCEED THE TEMPERATURE RATING OF THE LIGHTING FIXTURES OR LAMPS.
  - C. LOCATIONS OF FIXTURES ARE SHOWN DIAGRAMMATICALLY. FINAL LOCATIONS TO BE DETERMINED BY THE LANDSCAPE ARCHITECT ON-SITE AFTER THE INSTALLATION OF THE TREES
    - a. NOTIFY THE LANDSCAPE ARCHITECT ABOUT FIELD CONDITIONS AT VARIANCE WITH PLANS AND/OR SPECIFICATIONS BEFORE COMMENCING INSTALLATION
    - b. COORDINATE CONDITIONS AT VARIANCE WITH OTHER TRADES BEFORE INSTALLATION OF FIXTURES.
  - D. LUMINAIRES SHALL BE DELIVERED TO THE PREMISE COMPLETE (EXCEPT AS NOTED OR SPECIFIED), INCLUDING MOUNTING DEVICES AND COMPONENTS NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE EQUIPMENT. LUMINAIRES SHALL INCLUDE LAMPS.
  - E. BLEMISHED, DAMAGED, OR UNSATISFACTORY FIXTURES SHALL BE REPLACED IN A MANNER SATISFACTORY TO LANDSCAPE ARCHITECT AT NO COST TO THE PROJECT OWNER.
  - F. ELECTRICAL CONTRACTOR TO INSTALL LOUVERS, SPREAD LENSES, AND COLOR FILTERS AS SPECIFIED AND PROVIDE LABOR TO FOCUS ALL ADJUSTABLE FIXTURES, ADDITIONALLY, ELECTRICAL CONTRACTORS SHALL PROVIDE FOR FOUR (4) NON-CONSECUTIVE DAYS TO ADJUST AIMING, LAMPING, AND COLORING OF LIGHTING FIXTURES WITH THE DIRECTION OF THE LANDSCAPE ARCHITECT. THIS MAY INCLUDE RELAMPING FIXTURES WITH DIFFERENT WATTAGES OR BEAM SPREADS AS DIRECTED BY THE LANDSCAPE DESIGNER. ELECTRICAL CONTRACTOR TO PROVIDE LADDERS AND LIFTS AS NECESSARY.
  - G. TRANSFORMERS SHOULD HAVE THE CAPACITY FOR FUTURE ADDITION OF LIGHTING.
  - H. LANDSCAPE LIGHTING AND PLANTING AREAS SHALL BE COMPOSED OF GROUND BURIAL CABLES FOR FLEXIBILITY OF ON-SITE ADJUSTMENT OF FIXTURE LOCATION
2. WARRANTY
  - A. ALL LIGHTING FIXTURES SHALL BE COVERED BY A MINIMUM ONE YEAR WARRANTY COVERING WORKMANSHIP AND MATERIAL. IF THE FIXTURES ARE SUPPLIED BY THE INSTALLING CONTRACTOR THE GUARANTEE SHALL INCLUDE THE LABOR TO REPLACE DEFECTIVE DEVICES.

SAGISI PALMS TO HAVE A CURVED TRUNK AND TO BE LEANED AWAY FROM BUILDING PER PLAN

### LANDSCAPE LIGHTING FIXTURE SCHEDULE | GROUND FLOOR

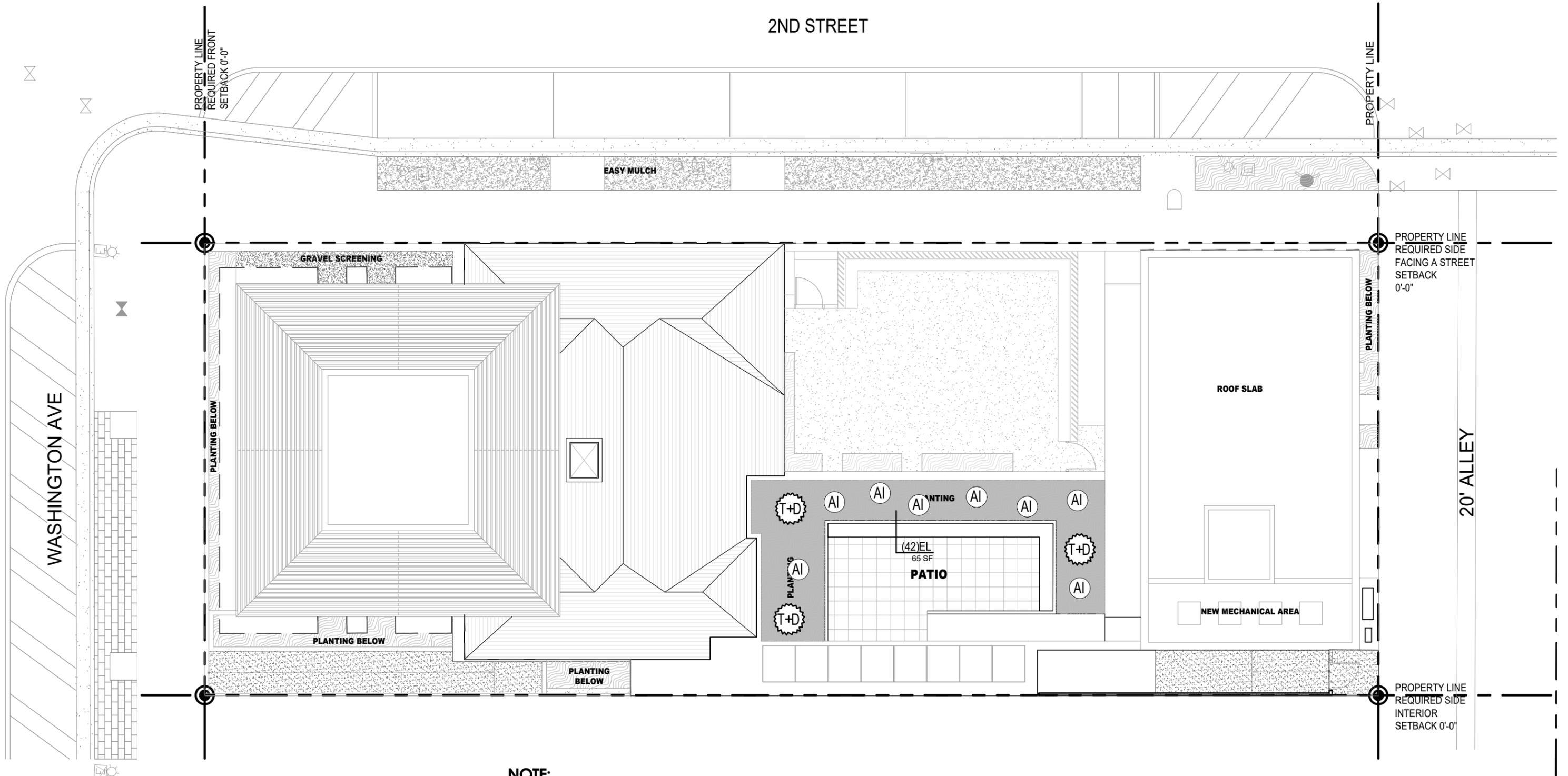
QTY.	SYMBOL	REF	APPLICATION	MANUFACTURER	MODEL NUMBER	DESCRIPTION	NOTES
5		L1	DIRECTIONAL LIGHT	AURORA LIGHT	TELLURIDE HSL16-S	MATERIAL: BRASS; SHROUD: TBD; LIGHT SOURCE: LED; [7] 7.5W; [27D] 2700K; ACCESSORIES: TBD; AMS MOUNT: TBD; FINISH: [BLP] BRONZE LIVING PATINA	U.L LISTED FOR WET LOCATION
8		L2	RECESSED SURFACE MOUNT STEP LIGHT	LIGMAN LIGHTING USA	ULE-40722	LAMP: 11W LED; FRAME: [S] STAINLESS STEEL; LED COLOR: [W27] 2700K; FINISH COLOR: [05] MATTE SILVER - RAL 9006; LENS: [C] CLEAR; OPTIONS: TBD	U.L LISTED FOR WET LOCATION

# L-5.10 GROUND LEVEL IRRIGATION PLAN



**NOTE:**  
IRRIGATION PLANS SHALL PROVIDE ADEQUATE IRRIGATION TO ALL PLANTING AREAS IN COMPLIANCE WITH THE CITY OF MIAMI BEACH CODE. FULL IRRIGATION PLANS TO BE DEVELOPED FOLLOWING BOARD APPROVALS.

# L-5.11 ROOF LEVEL IRRIGATION PLAN



**NOTE:**  
IRRIGATION PLANS SHALL PROVIDE ADEQUATE IRRIGATION TO ALL PLANTING AREAS IN COMPLIANCE WITH THE CITY OF MIAMI BEACH CODE. FULL IRRIGATION PLANS TO BE DEVELOPED FOLLOWING BOARD APPROVALS.