

MIAMI BEACH

OFFICE OF CAPITAL IMPROVEMENT PROJECTS

POCKET PARK

CITY OF MIAMI BEACH

NOVEMBER 5 2018

FINAL DESIGN SUBMITTAL



CITY OF MIAMI BEACH

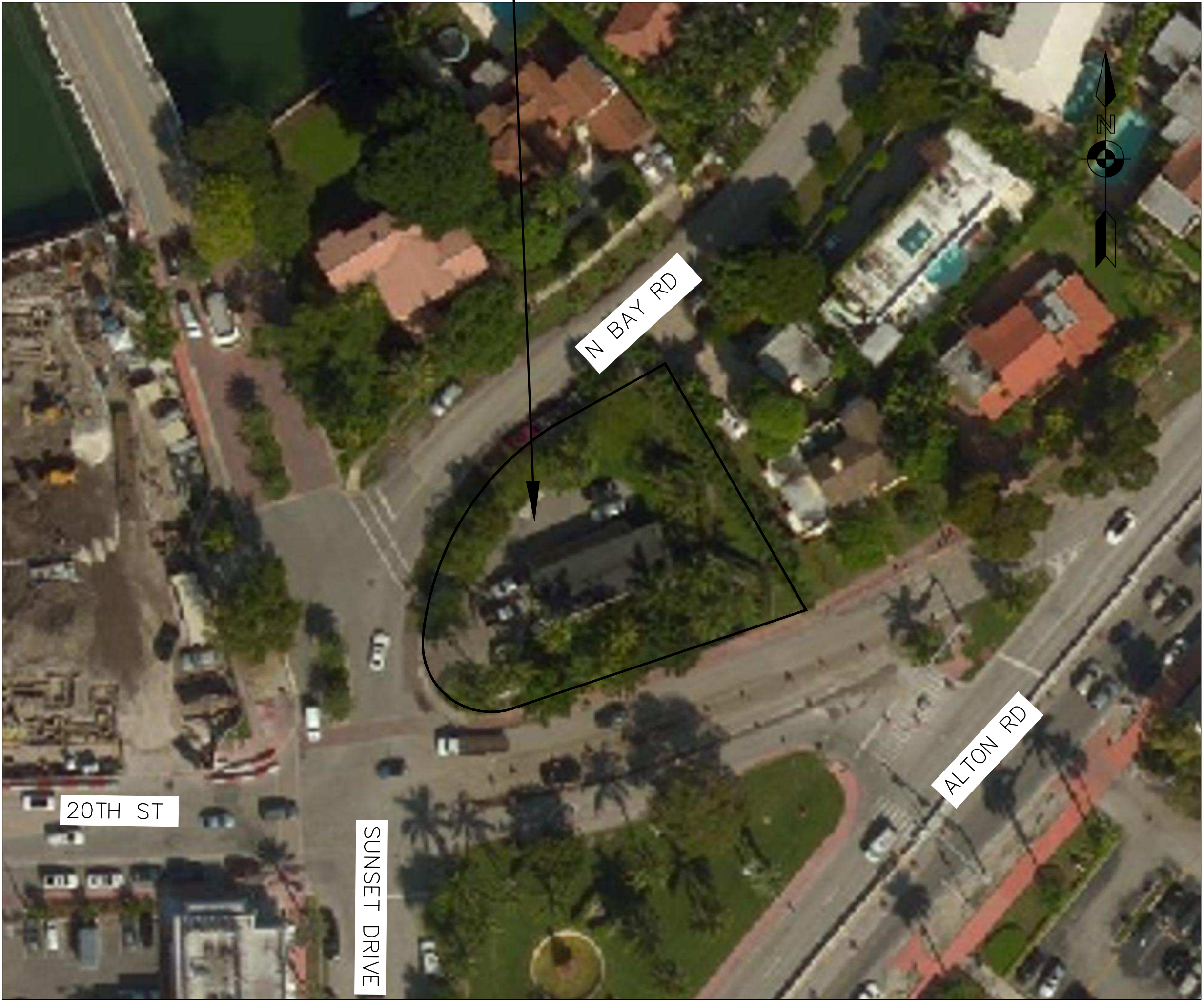
MAYOR: DAN GELBER

COMMISSIONERS: JOHN ELIZABETH ALEMÁN
RICKY ARRIOLA
MICHAEL GONGORA
KRISTEN ROSEN GONZALEZ
MARK SAMUELIAN
MICKY STEINBERG

CITY MANAGER: JIMMY L. MORALES
CITY ATTORNEY: RAUL J. AGUILA
CITY CLERK: RAFAEL E. GRANADO
ASSISTANT CITY MANAGER: ERIC T. CARPENTER, P.E.
CIP DIRECTOR: DAVID MARTINEZ P.E.



PROJECT LOCATION



LOCATION MAP

INDEX OF DRAWINGS

G-1	COVER SHEET & INDEX OF DRAWINGS
SH-1	SKETCH OF BOUNDARY & TOPOGRAPHIC SURVEY
LNP-1	LANDSCAPE PLAN
LNP-2	LANDSCAPE NOTES AND DETAILS
LNP-3 - LNP-9	LANDSCAPE IMAGE BOARDS
IRR-1	IRRIGATION PLAN
IRR-2 - IRR-3	IRRIGATION DETAILS
IRR-4	IRRIGATION NOTES

LEGAL DESCRIPTION

ALL OF LOT 1 BLOCK 16-B OF RESUBDIVISION OF LOTS 16 TO 21 INCLUSIVE BLOCK 15 AMENDED SUNSET LAKE SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 145 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

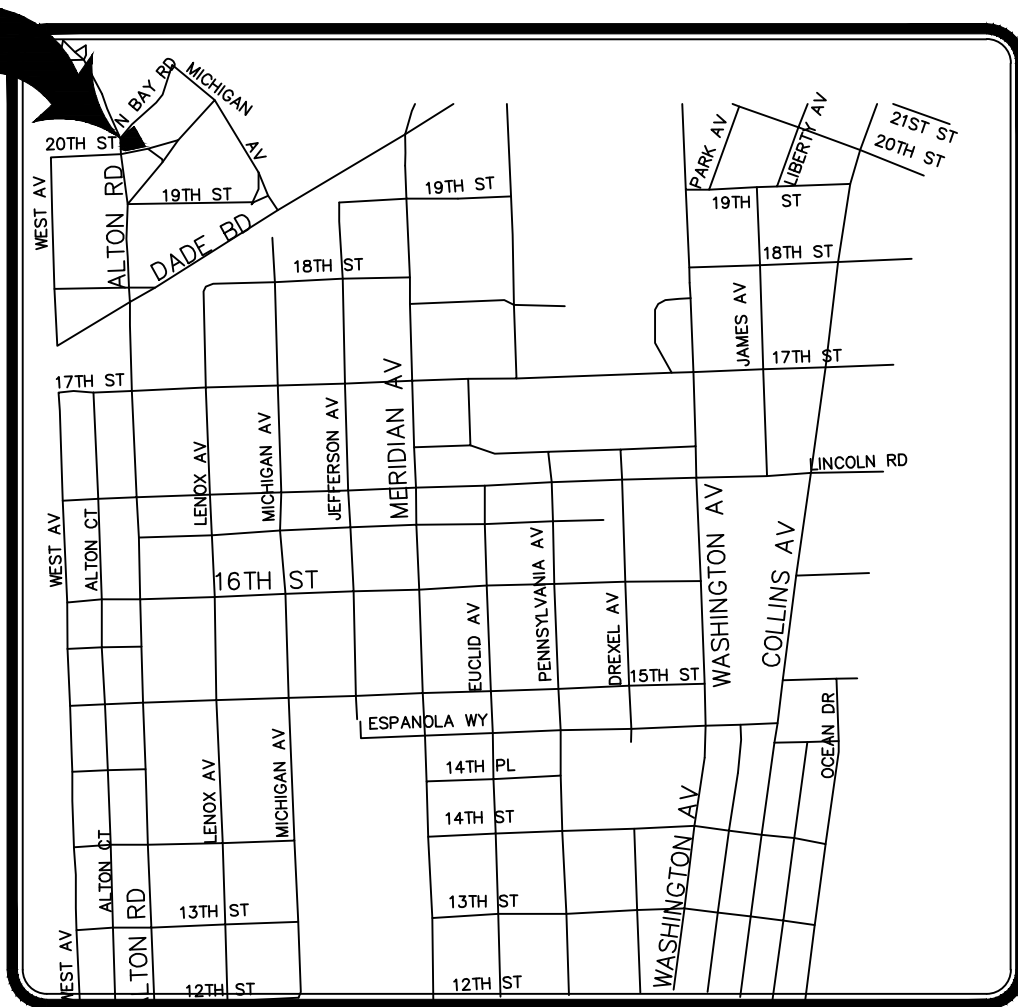
SCOPE OF WORK

DESIGN OF A PUBLIC PARK

LEGAL DESCRIPTION:

ALL OF LOT 1 BLOCK 16-B OF RESUBDIVISION OF LOTS 16 TO 21 INCLUSIVE BLOCK 15 AMENDED SUNSET LAKE SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 145 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

SITE LOCATION



LOCATION MAP

ABBREVIATIONS:

P.B. - PLAT BOOK
PG. - PAGE
D.C.R. - DADE COUNTY RECORDS
U.E. - UTILITY EASEMENT
R/W - RIGHT OF WAY
LB - LICENSED BUSINESS
U.E. - UTILITY EASEMENT
CMP - CORRUGATED METAL PIPE
PVC - POLYVINYL CHLORIDE PIPE
INV. - INVERT
B.O.S. - BOTTOM OF STRUCTURE
(P) - PLAT
(C) - CALCULATED
(F) - FIELD

SYMBOL LEGEND:

GUY ANCHOR
LIGHT POLE
STREET SIGN
WATER VALVE
FIRE HYDRANT
STORM DRAINAGE MANHOLE
SANITARY MANHOLE
CATCH BASIN
WATER METER
WOOD POWER POLE
TELEPHONE MANHOLE
ELECTRIC SERVICE BOX

FLOOD INSURANCE NOTES:

FLOOD ZONES: AE
BASE FLOOD ELEVATION: 8'
COMMUNITY PANEL NO.: 120651 0317 L
DATE OF FIRM INDEX: 09/11/2009
MAP NUMBER 12086 C0317 L

SURVEYOR'S NOTES:

- SUBJECT PROPERTY WAS NOT ABSTRACTED BY THIS FIRM FOR EASEMENTS, RIGHTS-OF-WAY, RESERVATIONS OR OTHER MATTERS OF RECORD.
- SCALE OF SOME FEATURES MAY BE EXAGGERATED FOR CLARITY.
- ELEVATION NOTE:
ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, ARE SHOWN THUS:
AND ARE BASED ON MIAMI-DADE BENCHMARK D-149 DESCRIBED AS FOLLOWS:
PK NAIL AND BRASS WASHER IN CONCRETE GUTTER AT SW CORNER OF INTERSECTION NE 15th STREET AND MERIDIAN AVENUE, LOCATED 37 FEET SOUTH OF CENTERLINE OF NE 15th STREET AND 32 FEET WEST OF CENTERLINE OF MERIDIAN AVENUE.
EL.=2.62' (NAVD 88)

C:\dwgs\Marty Ross Blue.png

MIAMI BEACH
OFFICE OF CAPITAL IMPROVEMENT PROJECTS
1701 MERIDIAN AVENUE, MIAMI BEACH, FL. 33139

PROJECT: MIAMI BEACH POCKET PARK
ADDRESS:

MILLER LEGG
South Florida Office: 5747 N. Andrews Way
Ft. Lauderdale, Florida 33309-2384
954-436-7000 Fax: 954-436-8664
www.millerlegg.com
Certificates of Authorization: EB7318, LB6680, LC0037

SUB-CONSULTANT

LA OF RECORD
DESIGN LA:
DRAWN BY:
CHECKER:
SCALE:

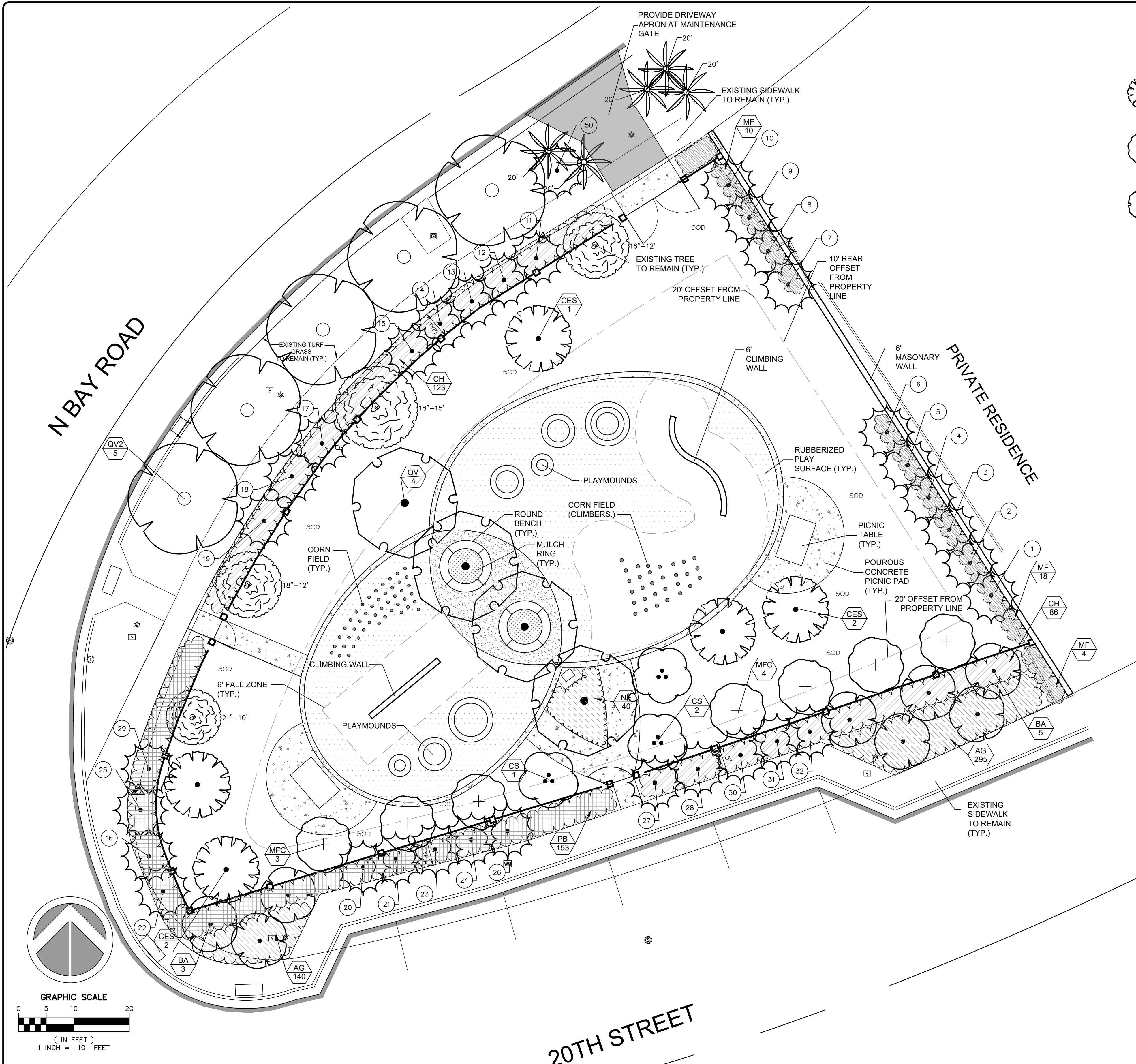
LANDSCAPE ARCHITECT
OF RECORD:
CASTO MIGUEL JUNCAL
NO.6667184

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SH-1



PLANT SCHEDULE						
TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	BA	Bulnesia arborea / Verawood 300 SF OF CANOPY	-	2" CAL	12' OA Ht	8
	CES	Conocarpus erectus 'Sericeus' / Silver Buttonwood 300 SF OF CANOPY	Field Grown	2" CAL	12' OAH	5
	CS	Cordia sebestena / Orange Geiger Tree 300 SF OF CANOPY	Field Grown	2" CAL	12' OA Ht	3
	MFC	Myrcianthes fragrans 'compacta' / Compact Simpson's Stopper 100 SF OF CANOPY	Field Grown		6 - 8' OA Ht	7
	QV2	Quercus virginiana / Southern Live Oak	Field Grown	3" CAL	12 - 14' OA Ht	5
	QV	Quercus virginiana / Southern Live Oak 300 SF OF CANOPY	Field Grown		20-24' OA Ht	4
		RELOCATED PALM / SEE DISPOSITION PLAN	-			33
SHRUB AREAS	CODE	BOTANICAL NAME / COMMON NAME	CONT		SPACING	QTY
	CH	Chrysobalanus icaco 'Horizontalis' / Horizontal Cocoplum	3 GAL		24" o.c.	209
	MF	Myrcianthes fragrans / Twinberry	7 GAL		36" o.c.	36
	NE	Nephrolepis exaltata / Boston Fern	3 GAL		18" o.c.	42
	PB	Psychotria ligustrifolia / Bahama Coffee	3 GAL		24" o.c.	153
GROUND COVERS	CODE	BOTANICAL NAME / COMMON NAME	CONT		SPACING	QTY
	AG	Arachis glabrata / Perennial Peanut	1 GAL		12" o.c.	435
	SOD	Stenotaphrum secundatum / St. Augustine	-			5,526 sf

FINAL SUBMITTAL: DEC DRB

CITY OF MIAMI BEACH

LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District GU Lot Area 9,429 s.f. Acres .21 ac.

OPEN SPACE

A. Square feet of required Open Space as indicated on site plan:
Lot Area = 9,429 s.f. x 20 % = 1,886 s.f.

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= 1,886

LAWN AREA CALCULATION

A. Square feet of landscaped open space required n/a

B. Maximum lawn area (sod) permitted= % x s.f. n/a

TREES

A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=
22 trees x .21 net lot acres - number of existing trees= 5

B. % Natives required: Number of trees provided x 30% = 2

C. % Low maintenance / drought and salt tolerant required:
Number of trees provided x 50%= 2

D. Street Trees (maximum average spacing of 20' o.c.)
166 linear feet along street divided by 20'= 9

E. Street tree species allowed directly beneath power lines:
(maximum average spacing of 20' o.c.):
 linear feet along street divided by 20'= n/a

SHRUBS

A. Number of shrubs required: Sum of lot and street trees required x 12= 168

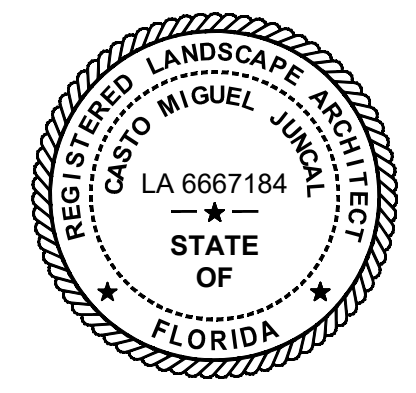
B. % Native shrubs required: Number of shrubs provided x 50%= 84

LARGE SHRUBS OR SMALL TREES

A. Number of large shrubs or small trees required: Number of required shrubs x 10%= 17

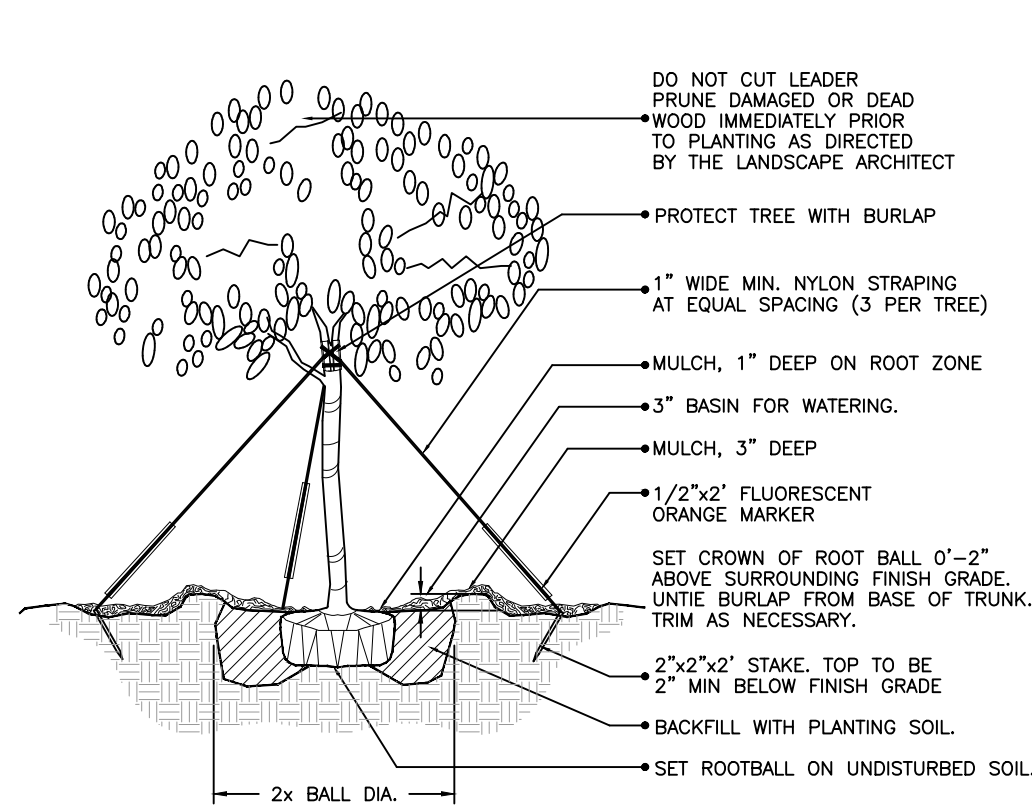
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%= 9

MITIGATION REQUIREMENTS
TOTAL CANOPY REMOVED: 7,030.6 S.F.
TOTAL CANOPY REPLACED: 7,200 S.F.
MEET WITH (24) CATEGORY 1 TREES @ 300 S.F. EACH

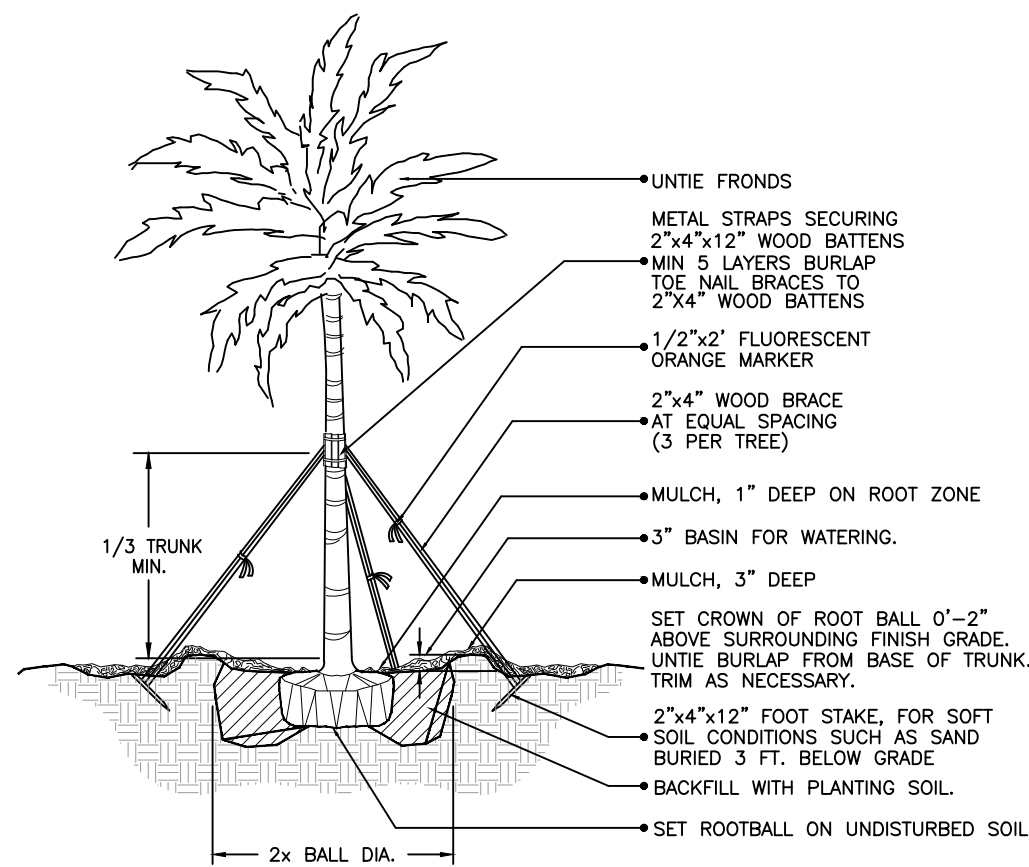


APPROVED: CASTO MIGUEL JUNCAL, RLA
FLA. REGISTRATION NO. 6667184 DATE: 11/05/18

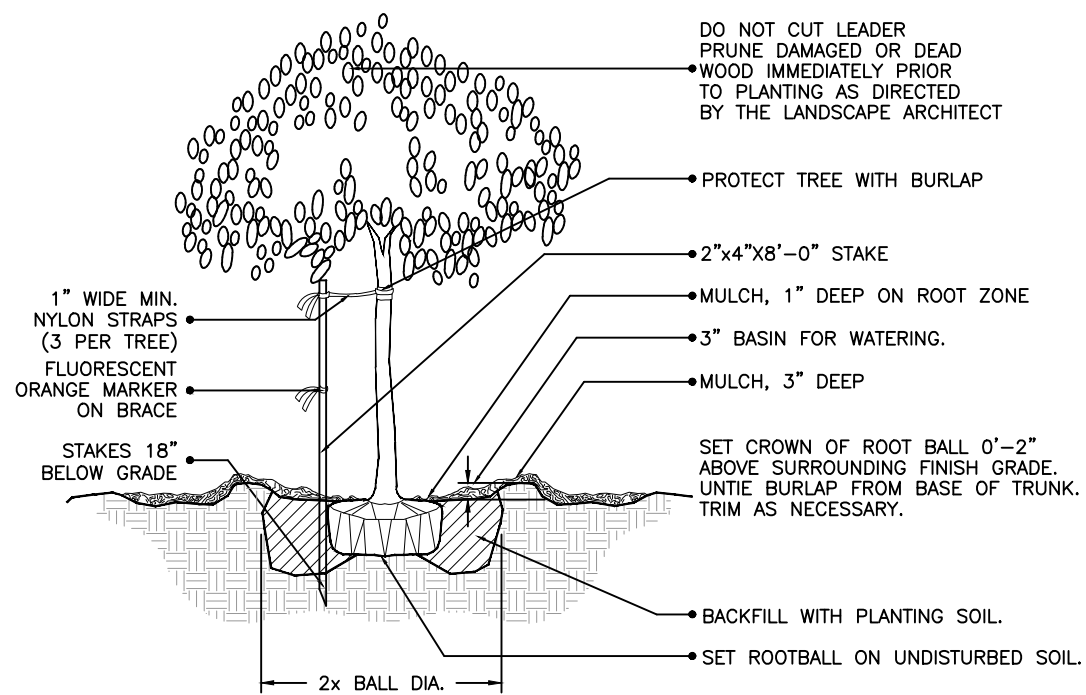
MIAMI BEACH OFFICE OF CAPITAL IMPROVEMENT PROJECTS 1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139	PROJECT: MIAMI BEACH POCKET PARK	MILLER LEGG South Florida Office: 5747 N. Andrews Way Ft. Lauderdale, Florida 33309-2564 654-636-7000 Fax: 654-636-8664 www.millerlegg.com Certificate of Authorization: EB7318, L06690, LC0287	SUB-CONSULTANT	LA OF RECORD <u>CMJ</u>	LANDSCAPE ARCHITECT OF RECORD:	5			Drawing Title: 18-00020_LNP.dwg	Drawing No.: LNP-1
	ADDRESS:			DESIGN LA: <u>CMJ</u>		3				
				CHECKER: <u>CMJ</u>	CASTO MIGUEL JUNCAL NO.6667184	2			Date:	Sheet: of
				SCALE:		1	DATE	REVISION	APP'D BY	



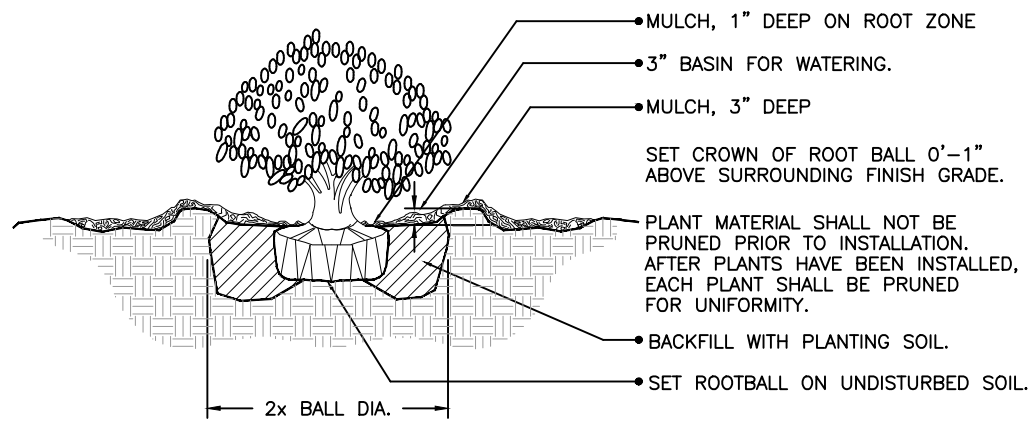
(2" cal. and over)
LARGE TREE PLANTING DETAIL
NTA



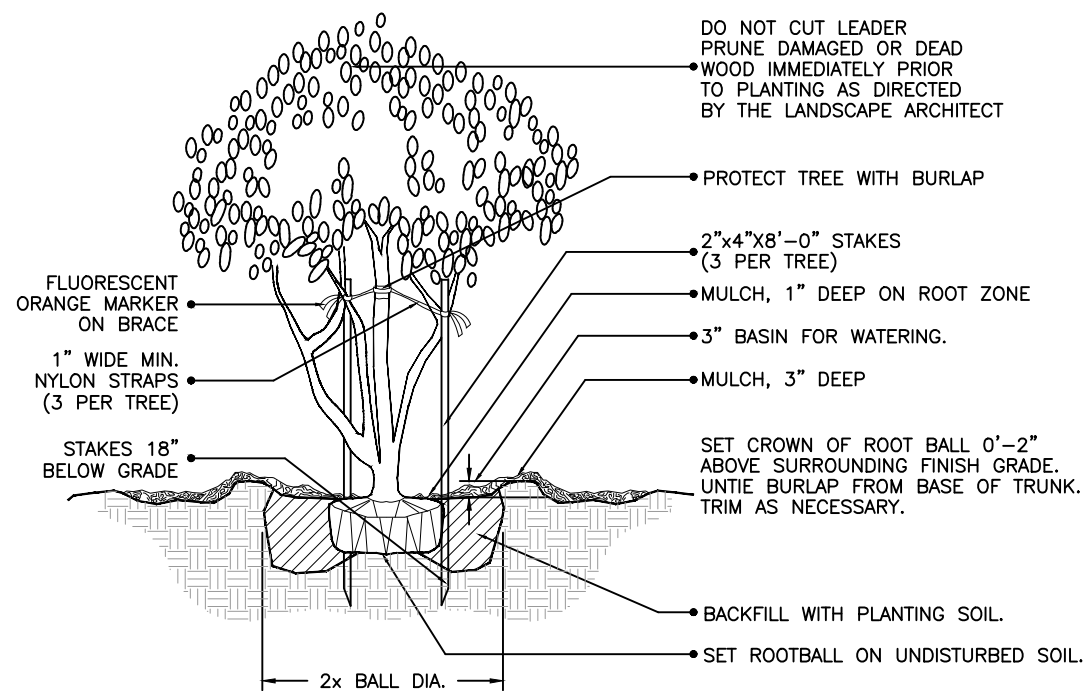
PALM PLANTING DETAIL
NTA



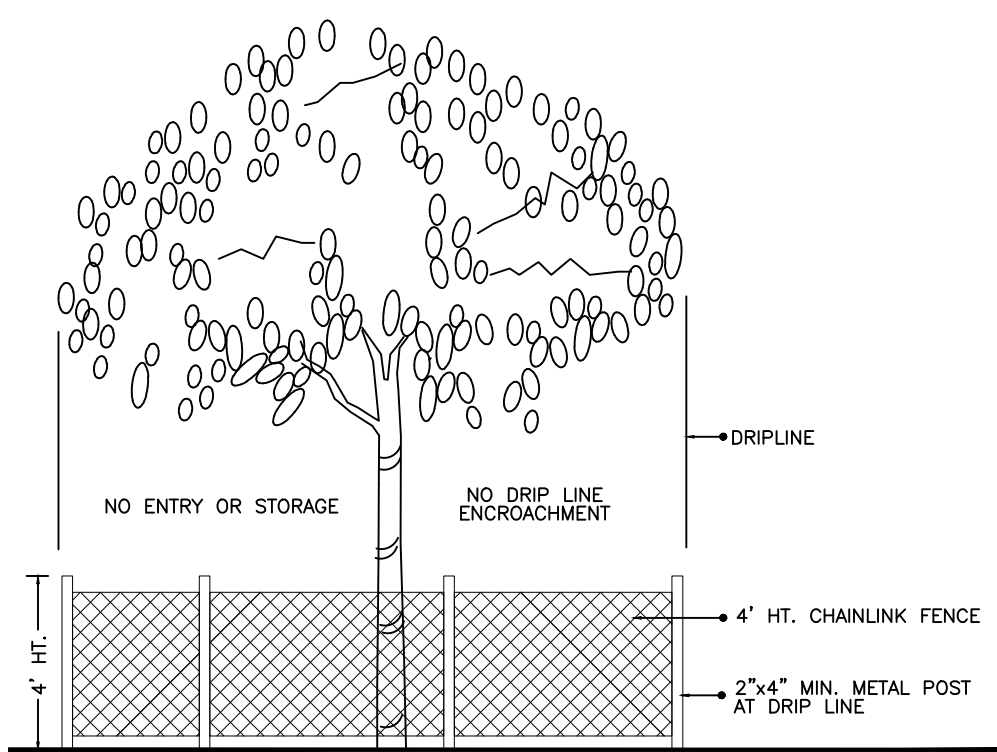
(2" cal. and under)
SMALL TREE PLANTING DETAIL
NTA



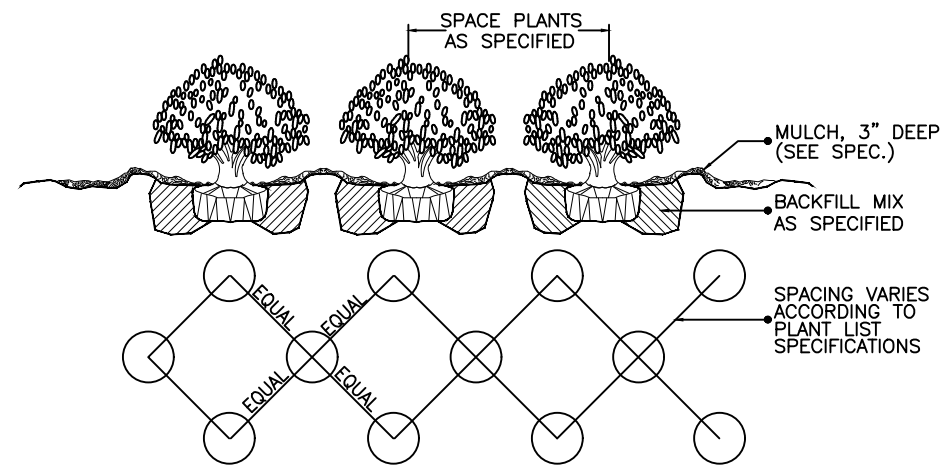
SHRUB PLANTING DETAIL
NTA



**MULTI- TRUNK AND SMALL TREE
(2" cal. and under) PLANTING DETAIL**
NTA



**TREE PRESERVATION
BARRICADE FENCING DETAIL**
NTA



**SHRUB / GROUNDCOVER
SPACING / PLANTING DETAIL**
NTA

GENERAL SPECIFICATIONS:

THE WORK AND MATERIALS NECESSARY FOR MEETING THESE SPECIFICATIONS SHALL BE INCLUDED IN THE UNIT COST OF TREE AND/OR PALM RELOCATION.

THE CONTRACTOR SHALL PERFORM ALL TREE REMOVAL AND PRESERVATION ACTIVITIES IN COMPLIANCE THE CITY'S AND COUNTY'S CODES AND ORDINANCES & POLICIES.

NO PERSON SHALL REMOVE, RELOCATE, OR REPLACE ANY TREE OR VEGETATION FROM SUBJECT PROPERTY WITHOUT FIRST OBTAINING A TREE PERMIT FROM THE CITY.

1.00 SUBMITTALS

A. CONTRACTOR SHALL SUBMIT THE FOLLOWING LIST OF ITEMS FOR REVIEW:

1) VERIFICATIONS OF QUALIFICATIONS, CONTRACTOR TO SUBMIT A LIST OF REFERENCES AND MINIMUM OF FIVE (5) COMPLETED PROJECTS IN SIMILAR NATURE. 2) VERIFICATION OF ALL LICENSES AND CERTIFICATIONS. 3) LIST OF ALL EQUIPMENT TO BE UTILIZED FOR TREE PREPARATION AND TRANSPLANTING. 4) PROPOSED SEQUENCE OF EVENTS FROM START TO FINISH, IN WRITING. 5) LITERATURE AND PROPOSED APPLICATION RATES FOR SPECIFIED WETTING AGENTS, FERTILIZERS, SOIL MIX, SOIL CONDITIONERS. 6) TREE AND PALM WATERING SCHEDULE FOR TRANSPLANTED AND TEMPORARY HOLDING AREA (IF APPLICABLE). 1.01 LOCATION: TREES SHALL BE RELOCATED ONCE FROM THEIR PRESENT LOCATION TO A LOCATION SPECIFIED ON THE PLANS, UNLESS OTHERWISE NOTED. 1.02 ROOT PRUNING, WATERING BEFORE TRANSPLANTING: A. ALL TREE RELOCATION, ROOT PRUNING AND TRIMMING, SHALL BE PERFORMED UNDER THE SUPERVISION OF AN INTERNATIONAL SOCIETY OF ARBORICULTURE (I.S.A.) CERTIFIED ARBORIST, LICENSED IN MIAMI-DADE COUNTY.

B. ROOT PRUNE TREES PRIOR TO MOVING THEM. REFER TO THE ROOT PRUNING CHART "ROOT PRUNING GUIDELINES FOR HARDWOOD TREES" ON THIS SHEET FOR MINIMUM AND IDEAL ROOT PRUNING WAITING PERIODS. THAT IS, FOR A TREE WITH A 12" OR GREATER CALIPER, ROOT PRUNE 8 TO 12 MONTHS PRIOR TO RELOCATING THE TREE. PRIOR TO ROOT PRUNING, THOROUGHLY WATER THE ROOT ZONE ON A CONTINUOUS BASIS WITH AT LEAST 2 TO 3 INCHES OF WATER, 2 TO 3 DAYS PRIOR TO ROOT PRUNING. IF THE TREE HAS A DORMANT PERIOD, THEY SHOULD NOT BE TRANSPLANTED DURING THAT TIME. TREES SHOULD NOT BE TRANSPLANTED DURING PERIODS OF STRONG WINDS, DRY WINTER MONTHS OR DURING DROUGHT.

C. ROOT PRUNING SHALL BE ACCOMPLISHED BY DIGGING A TRENCH TWO-THIRDS (2/3) OF THE WAY AROUND THE TREE AT A MINIMUM OF 24" DEEP. THE ROOT PRUNING SHALL PRODUCE A ROOT BALL THAT CAN ADEQUATELY SUPPORT THE TREE TO BE MOVED. ROOT PRUNE ONLY WITH A MECHANICAL ROOT-PRUNING SAW OR OTHER DEVICE WHICH CLEANLY CUTS ROOTS. THIS TRENCH SHALL FORM A ROOTBALL DIAMETER OF APPROXIMATELY 10" TO 1' FOR EACH 1" OF TRUNK CALIPER MEASURES 6" ABOVE THE GROUND. REFER TO THE CHARTS ON THIS SHEET FOR DEPTH OF ROOTBALL AND DIAMETER OF ROOTBALL BASED ON CALIPER OF THE TREE TO BE RELOCATED. D. LARGE MULTI-TRUNK TREES SUCH AS (FICUS SPP.) DIAMETER SHALL BE DETERMINED ON A CASE BY CASE BASIS TO PRODUCE A ROOT BALL THAT CAN ADEQUATELY SUPPORT THE TREE TO BE MOVED.

E. ALL EXPOSED ROOTS SHALL BE CUT OFF CLEANLY, WITH SHARP INSTRUMENTS. BACKFILL TRENCHES WITH NON-NATIVE MULCH OR SOIL CONSISTING OF 30% SILICA SAND AND 70% MUCK. ROOT BALL & TRENCH SHALL BE KEPT MOIST DURING REGENERATION PERIOD.

1.03 TOP PRUNING AND THINNING

A. THE AMOUNT OF GENERAL PRUNING AND THINNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS OR BRANCHES AS A RESULT OF TRANSPLANTING OPERATIONS. PRUNING AND THINNING SHALL BE DONE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL HABIT OR SHAPE OF A PLANT. THE PROJECT LANDSCAPE ARCHITECT SHALL BE CONTACTED PRIOR TO PERFORMING ANY MAJOR PRUNING OR THINNING.

B. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE A-300 STANDARDS OR PALM PRUNING IN ACCORDANCE WITH THE STANDARDS IN "Arboriculture: Integrated Management of Landscape Trees, Shrubs, and Vines, Second Edition" by Richard W. Harris, CURRENT EDITION AND BY AN I.S.A. CERTIFIED ARBORIST.

1.04 BRACING AND GUYING OF TREES AFTER ROOT PRUNING

A. BRACING AND GUYING SHALL BE PROVIDED TO ASSURE THE TREES' STABILITY DURING THE ROOT REGENERATION PERIOD; AS PER THE APPLICABLE DETAIL.

1.05 BALLING AND BURLAPPING

A. PLANT MATERIAL, WHICH IS IN A SOIL OF A LOOSE TEXTURE, WHICH DOES NOT READILY ADHERE TO THE ROOT SYSTEM, ESPECIALLY IN THE CASE OF LARGE PLANTS OR TREES, SHALL HAVE THE ROOTBALL THIGHTLY WRAPPED IN NATURAL BURLAP AND SECURED WITH A BIO-DEGRADABLE NATURAL HEMP ROPE, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.

B. NO SYNTHETIC WRAPPING MATERIALS MAY BE USED.

1.06 TRANSPLANTING PLANT MATERIAL

A. MOVEMENT OF PLANTS ON PUBLIC R.O.W.'S SHALL COMPLY WITH ALL ORDINANCES, CODES AND SAFETY REQUIREMENTS, ETC.

B. TRANSPORT MATERIALS ON VEHICLES LARGE ENOUGH TO ALLOW PLANTS TO NOT BE CROWDED AND DAMAGED. PLANTS SHALL BE COVERED TO PREVENT WIND DAMAGE DURING TRANSIT.

C. PROTECT PLANT MATERIAL DURING TRANSPORTING TO PREVENT DAMAGE TO THE ROOT SYSTEM AND DESICCATION OF LEAVES. TREES SHALL BE PROTECTED BY TYING IN THE BRANCHES AND COVERING ALL EXPOSED BRANCHES AS NECESSARY. DO NOT BEND OR BIND-TIE PLANT MATERIAL IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES OR ALTER THE NATURAL SHAPE.

D. ALL TRUNKS AND LIMBS THAT COULD BE DAMAGED DURING TRANPLANTING SHALL BE WRAPPED WITH AT LEAST TWO LAYERS OF BURLAP OR SIMILAR FABRIC PRIOR TO MOVING.

E. THE CONTRACTOR SHALL EXERCISE CARE IN HANDLING, LOADING, UNLOADING, STORING, AND TRANSPORTING MATERIAL TO PREVENT DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF MATERIALS STORED.

F. TRANSPORTING MUST BE DONE WITHIN 24 HOURS AFTER BEING DUG. STORE TREES IN SHADE, WHEN APPLICABLE, AND KEEP THE ROOT BALL AND CANOPY MOIST.

G. WHEN TREE IS READY TO BE TRANSPLANTED, EXISTING BACKFILLED ROOT PRUNE TRENCH SHALL BE CAREFULLY EXCAVATED SO AS NOT TO DISTURB OR DAMAGE NEW ROOTS WHEN TREE IS READY TO BE TRANSPLANTED.

H. THE TREE SHALL BE GENTLY LIFTED BY THE ROOT BALL NOT THE TRUNK. IF THE ROOT BALL BREAKS DUE TO AN UNSTABLE SOIL OR ANY OTHER REASON THE TREE MAY BE PINNED. THE LAST RESORT IS TO CHOKE THE TREE. EXTRA CARE SHOULD BE MADE SO THE BARK IS NOT STRIPPED DURING THIS OPERATION. ALL AREAS OF THE TRUNK SHOULD BE ADEQUATELY PROTECTED WITH BURLAP OR OTHER TYPE OF FABRIC.

1.07 INSTALLATION

EXCAVATION OF HOLES: PLANT HOLES SHALL BE ROUGHLY CYLINDRICAL IN SHAPE WITH SIDES APPROXIMATELY VERTICAL. THE DEPTH OF THE HOLE SHALL BE EQUAL TO THE ROOTBALL DEPTH. THE DIAMETER OF THE HOLE SHALL BE A MINIMUM OF TWO (2) TIMES THE WIDTH OF THE ROOTBALL DIAMETER. THE BOTTOM OF THE HOLE SHOULD BE COMPACTED SO THAT A MINIMAL AMOUNT OF DOWNWARD SETTLING TAKES PLACE.

SETTING OF PLANTS

PLANT MATERIAL SHALL BE PLANTED A MINIMUM OF 2" HIGHER THAN THEIR NATURAL AND ORIGINAL PLANTING LEVEL PRIOR TO THEIR RELOCATION AND PLACEMENT ON THE NEW SITE. WHEN LOWERED INTO THE HOLE, THE PLANTS SHALL REST ON THE PREPARED HOLE BOTTOM SUCH THAT THE SURFACE ROOTS AT THE TOP OF THE ROOTBALL ARE LEVEL OR SLIGHTLY ABOVE THE LEVEL OF THE TOP OF THE HOLE. CREATE A SAUCER, APPROXIMATELY 6" DEEP TO HELP HOLD WATER. THE PLANTS SHALL BE SET STRAIGHT OR PLUMB OR NORMAL TO THE RELATIONSHIP OR THEIR GROWTH PRIOR TO TRANSPLANTING. THE PROJECT LANDSCAPE ARCHITECT OR REPRESENTATIVE RESERVES THE RIGHT TO REALIGN ANY PLANT MATERIAL AFTER IT HAS BEEN SET, WITHOUT ADDITIONAL COST.

BACKFILLING

USE PLANTING SOIL FOR TREE INSTALLATION WHEN POOR SOILS ARE PRESENT AT NEW LOCATION CONSISTING OF 50/50 MIX OF GENERAL PURPOSE PLANTING SOIL TO SAND. PALMS RECEIVE 30/70 GENERAL PURPOSE PLANTING SOIL TO SAND MIX. EXCEPTION SHALL BE MADE BY LANDSCAPE ARCHITECT. 2) BACKFILL THE BOTTOM TWO-THIRDS OF THE PLANTING HOLE AND FIRMLY TAMP AND SETTLE BY WATERING AS BACKFILLING PROGRESSES. AFTER HAVING TAMPED AND SETTLED THE BOTTOM TWO-THIRDS OF THE HOLE, THOROUGHLY PUDDLE WITH WATER AND FILL REMAINING ONE-THIRD OF THE HOLE WITH PLANTING SOIL, TAMPING AND WATERING TO ELIMINATE AIR POCKETS.

1.08 WATERING TRANSPLANTED TREES:

A. ROOTBALL WATERING: MAINTAIN A SOIL MOISTURE IN THE ROOT ZONE AT AN OPTIMUM LEVEL FOR HEALTHY GROWTH. DEEP WATER THE ENTIRE ROOTBALL AREA AT A MINIMUM ACCORDING TO THE FOLLOWING RECOMMENDED SCHEDULE:

WHEN FIRST MONTH - EVERY DAY
SECOND MONTH - 3 TIMES PER WEEK
FOLLOWING TWO MONTHS - 2 TIMES PER WEEK
LAST EIGHT MONTHS - WEEKLY

B. IF THERE IS NO SOURCE FOR WATER AVAILABLE AT THE PROJECT, SUCH AS A HOSEBIB(S) OR FIRE HYDRANT(S) IF APPROVED FOR USE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING WATER BY MEANS OF A TRUCK OR TANK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PAY ANY FEES FOR WATER USE.

C. THE CONTRACTOR SHALL ADHERE TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT'S WATER RESTRICTIONS CURRENT AT THE TIME OF RELOCATION ACTIVITIES.

1.09 MULCHING OF PLANT SAUCER:

A. MULCH SHALL BE SHREDDED EUCALYPTUS OR MELALEUCA GRADE "B" MULCH OR EQUAL (NO CYPRESS MULCH OR RED MULCH). THE WATERING SAUCER SHALL RECEIVE A 3" DEPTH LAYER WHICH SHALL TAPER TO A 1" DEPTH LAYER UP TO 3" FROM THE TRUNK OF TREE. (REFER TO APPROPRIATE DETAIL THIS SHEET FOR INSTALLATION)

1.10 APPLICATION OF FERTILIZER:

A. AT TIME OF WATERING ROOT-PRUNED TREES PRIOR TO TRANSPLANTING, DRENCH ROOTBALL ONCE PER WEEK DURING THE COURSE OF WATERING WITH A SOLUBLE FERTILIZER THAT HAS A 20.20.20 ANALYSIS AT THE MANUFACTURER'S RECOMMENDED RATE.

B. RELOCATED TREES SHALL NOT BE FERTILIZED AT TIME OF PLANTING, BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS REESTABLISHED. THREE (3) WEEKS AFTER TRANSPLANTING, AND AFTER MULCHING, APPLY ON THE SURFACE, EVENLY SPREAD OVER THE AREA OF THE ENTIRE ROOTBALL, FEC (FLORIDA EAST COAST FERTILIZER CO.) #5231 (12-6-8) OR EQUAL AT THE RATE OF 0.5KG PER 1" OF TRUNK DIAMETER.

1.11 STAKING TREES:

A. STAKE ALL TREES AT THE NEW SITE WITH NEW TIMBERS WITH A MINIMUM 2" X 4" DIMENSION AS PER THE DETAILS ENCLOSED, OR IN THE CASE OF OBSTACLE, IN ANOTHER MANNER WHICH WILL SUPPORT THE TREES.

1.12 CLEAN-UP:

A. DISPOSAL OF WASTE: ALL WASTE AND OTHER OBJECTIONABLE MATERIAL CREATED THROUGH PLANTING OPERATIONS AND LANDSCAPE CONSTRUCTION SHALL BE REMOVED COMPLETELY ON A DAILY BASIS FROM THE JOB OR AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. ANY PAVED AREAS, INCLUDING CURBS AND SIDEWALKS THAT HAVE BEEN STAINED WITH SOIL, SOD WASTE, FERTILIZER OR OTHER WASTE SHALL BE THOROUGHLY SWEEPED.

B. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF STAKES AND BATTENS AND UNTIE ANY TIED-UP CANOPIES WHEN IT IS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT THAT SUFFICIENT TIME HAS ELAPSED FOR THE PLANTS TO ROOT STABILIZE, AND/OR AT THE END OF THE ONE YEAR GUARANTEE PERIOD. THIS SHALL BE DONE EVEN IF THE PROJECT HAS BEEN COMPLETED AND GIVEN FINAL ACCEPTANCE. THE CONTRACTOR SHALL UNTIE CANOPIES IMMEDIATELY AFTER INSTALLATION AND REMOVE STAKES AFTER ONE YEAR.

C. BACKFILLING OF HOLE LEFT BY RELOCATED OR REMOVED TREE SHALL BE DONE IMMEDIATELY AFTER TREE REMOVAL TO PREVENT INJURIES. THE CONTRACTOR SHALL BACKFILL HOLES WITH CLEAN FILL FROM SITE, FLUSH WITH ADJACENT GRADE.

1.13 GUARANTEE AND REPLACEMENT:

A. ALL RELOCATED PLANT MATERIAL SHALL BE GUARANTEED DURING RELOCATION ACTIVITIES INCLUDING ROOT PRUNING, AND SHALL HAVE AN ADDITIONAL ONE (1) YEAR GUARANTEE STARTING AT TIME OF FINAL RELOCATION AND ACCEPTANCE BY LANDSCAPE ARCHITECT.

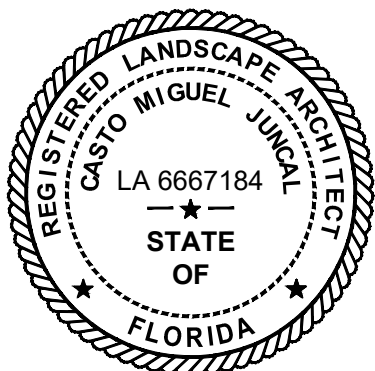
B. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH AS DEFINED BY THE MIAMI HURRICANE CENTER, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

1.14 SCHEDULE AND APPROVALS:

THE LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE OF OPERATIONS AND WRITTEN REQUESTS FOR APPROVALS IN ACCORDANCE WITH PROJECT SPECIFICATIONS OR AS OTHERWISE AGREED UPON WITH THE OWNER.

1.15 FINAL ACCEPTANCE:

OWNER SHALL REVIEW PROJECT UPON NOTIFICATION BY CONTRACTOR. OWNER SHALL ISSUE A FINAL ACCEPTANCE AFTER ALL CONTRACT ITEMS AND OBLIGATIONS ARE SATISFACTORY.



FINAL SUBMITTAL: DEC DRB

APPROVED : CASTO MIGUEL JUNCAL, RLA
FLA. REGISTRATION NO. 6667184 DATE : 11/05/18

SHADE STRUCTURE: SAIL



COOL NET

CANARY YELLOW	EGGSHELL WHITE	LIME GREEN	FIRE ORANGE	ONYX BLACK
GRAPE PURPLE	DESERT SAND	RIVERGUM GREEN	BRIGHT RED	BRICK RED
SILVER GREY	LIGHT BLUE	NAVY BLUE	AQUATIC BLUE	FOREST GREEN

POST PAD

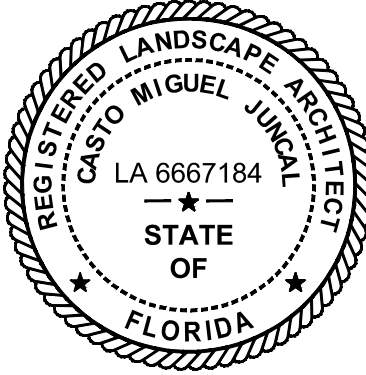
ALPINE WHITE	JET BLACK	LATTE TAN	BLUE STREAK	EVERGREEN
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POWDER COATED COLORS

ALPINE WHITE	LATTE TAN	BLUE STREAK	
JET BLACK	COFFEE BROWN	EVERGREEN	CRIMSON RED

SHADE COLOR PERCENTAGES

COLOR	WEIGHT (g/m²)	SHADE FACTOR %	UVR BLOCK %
Canary Yellow	342	77	93
Eggshell White	342	79	95
Lime Green	400	87	94
Fire Orange	400	82	94
Hot Pink	400	89	95
Grape Purple	400	82	90
Desert Sand	322	84	95
Rivergum Green	318	86	93
Bright Red	342	81	91
Brick Red	340	95	94
Silver Grey	318	92	97
Light Blue	348	95	97
Navy Blue	316	96	99
Aquatic Blue	348	88	94
Forest Green	340	96	97



APPROVED: CASTO MIGUEL JUNCAL, R.L.A.
FLA. REGISTRATION NO. 6667184 DATE: 11/05/18

FREE PLAY: CORNFIELDS



THE CORNFIELD

The Cornfield is comprised of a field of vertical, soft stalks that gently respond to contact. they can be illuminated, creating impact and drama. a version is also available where children climb from onestalk to another



Corn Stalks™

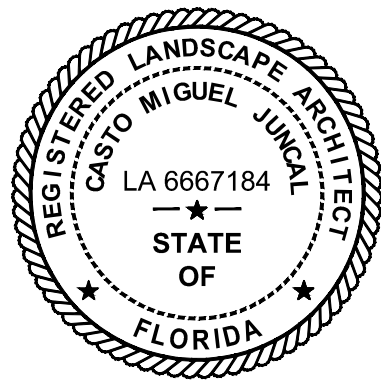
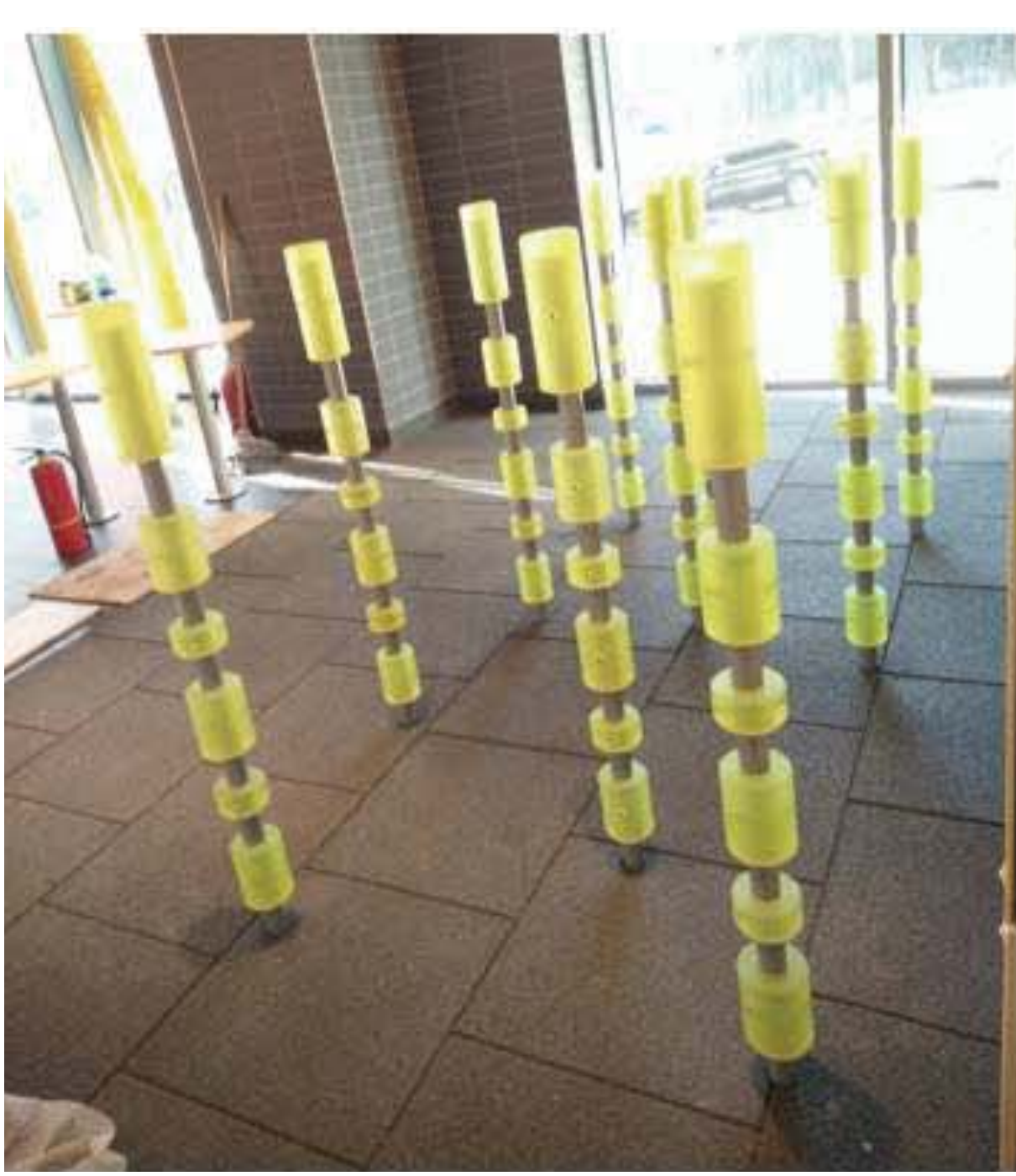
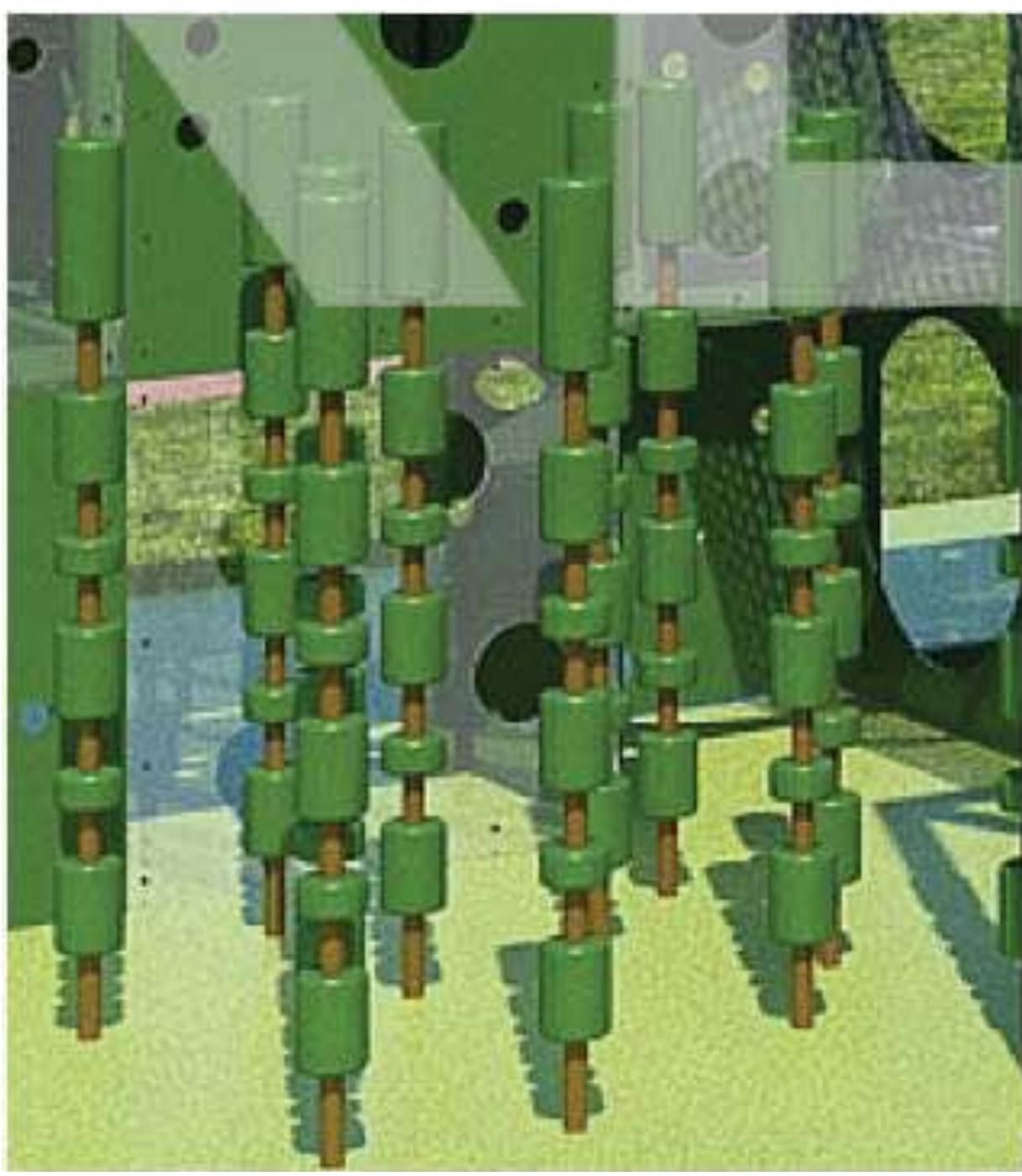
- Tough, flexible vinyl cap
- 1.25" OD Scratch resistant, UV protected, antimicrobial Polycarbonate (PC) tube

Climbable Corn Stalks™

- 40mm Ø AISI 1020 pipe
- Also available in stainless Steel
- 8mm powder coating available in pantone colors
- Polyurethane climbing donuts
- Stationary base comprised of 0.6" steel plate welded to upright, steel pipe

CORN STALKS

CLIMBABLE CORN STALKS

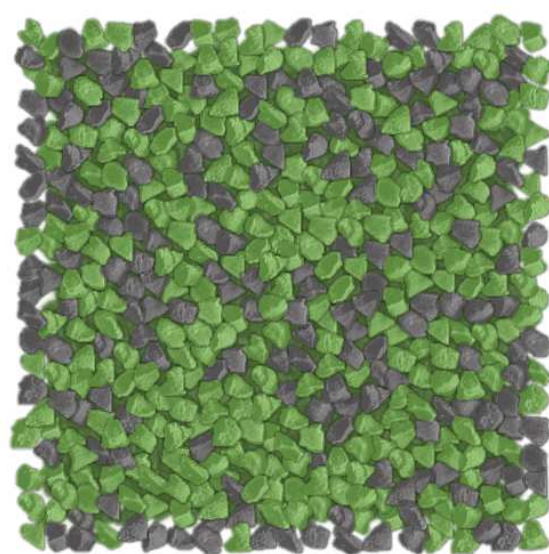


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INNOVATIVE PLAY SOLUTIONS



RUBBERIZED SURFACE TEXTURE SAMPLE



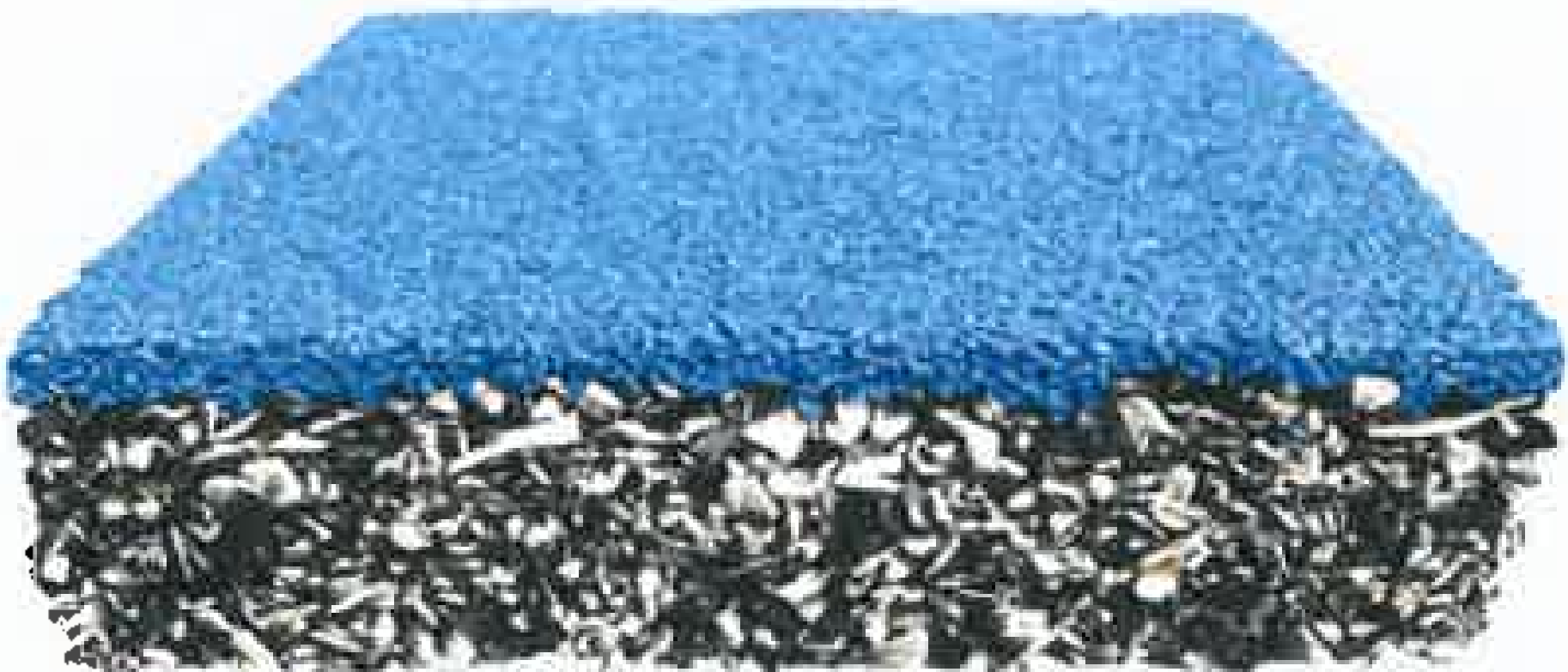
RUBBERIZED SURFACE COLOR PALETTE



AQUASEAL SAFETY SURFACE

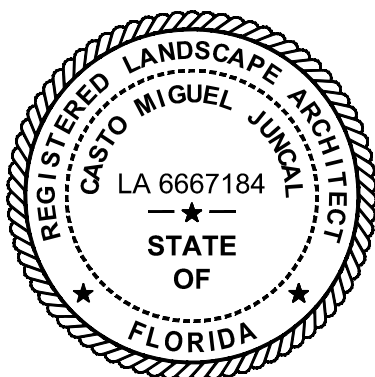
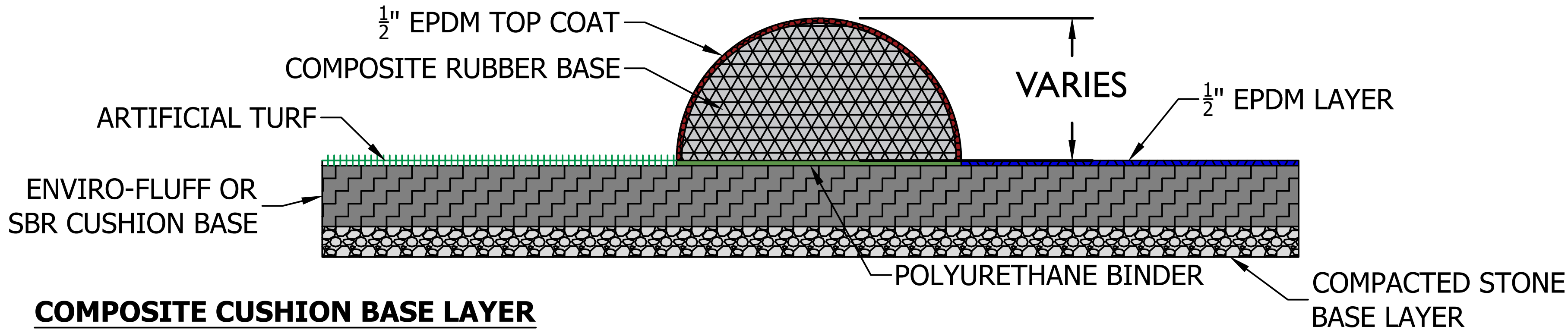


Pour & Place
Safety Surfacing
product line



EnviroFluff is a new state of the art cushion base material used in playgrounds and water play applications to provide critical fall height (CFH) protection. EnviroFluff® is made up of a proprietary polyethylene/polyurethane foam with a thermoplastic olefin outer skin that is ground to specification and offers unique energy absorbing properties ideal for a cushioned surface. Unlike traditional SBR (styrene butadiene rubber), EnviroFluff® does not contain harmful chemicals making it safe for both children and the environment. EnviroFluff® will not deteriorate and become brittle over time from exposure to harsh outdoor elements and is designed to offer long-term fall protection in all weather conditions

- Key Benefits:**
- + Meets & Exceeds Critical Fall Height test standards.
 - + 100% Recyclable.
 - + Totally seamless surface.
 - + Patented System
 - + Not harmful to children or the environment.
 - + Will not deteriorate over time.
 - + Chlorine resistant.
 - + Easy to install.
 - + Lower installation costs.
 - + 5-year warranty



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METALCO: AIR-A



Metalco normally uses stainless steel AISI 304 or 304L.

Stainless steel may be supplied with the following finishing:

- 1. Satinizing
- 2. Shot peening (on small products and/or accessories)

On request, subject to extra-charges, electropolishing treatment can be provided.

Warning:

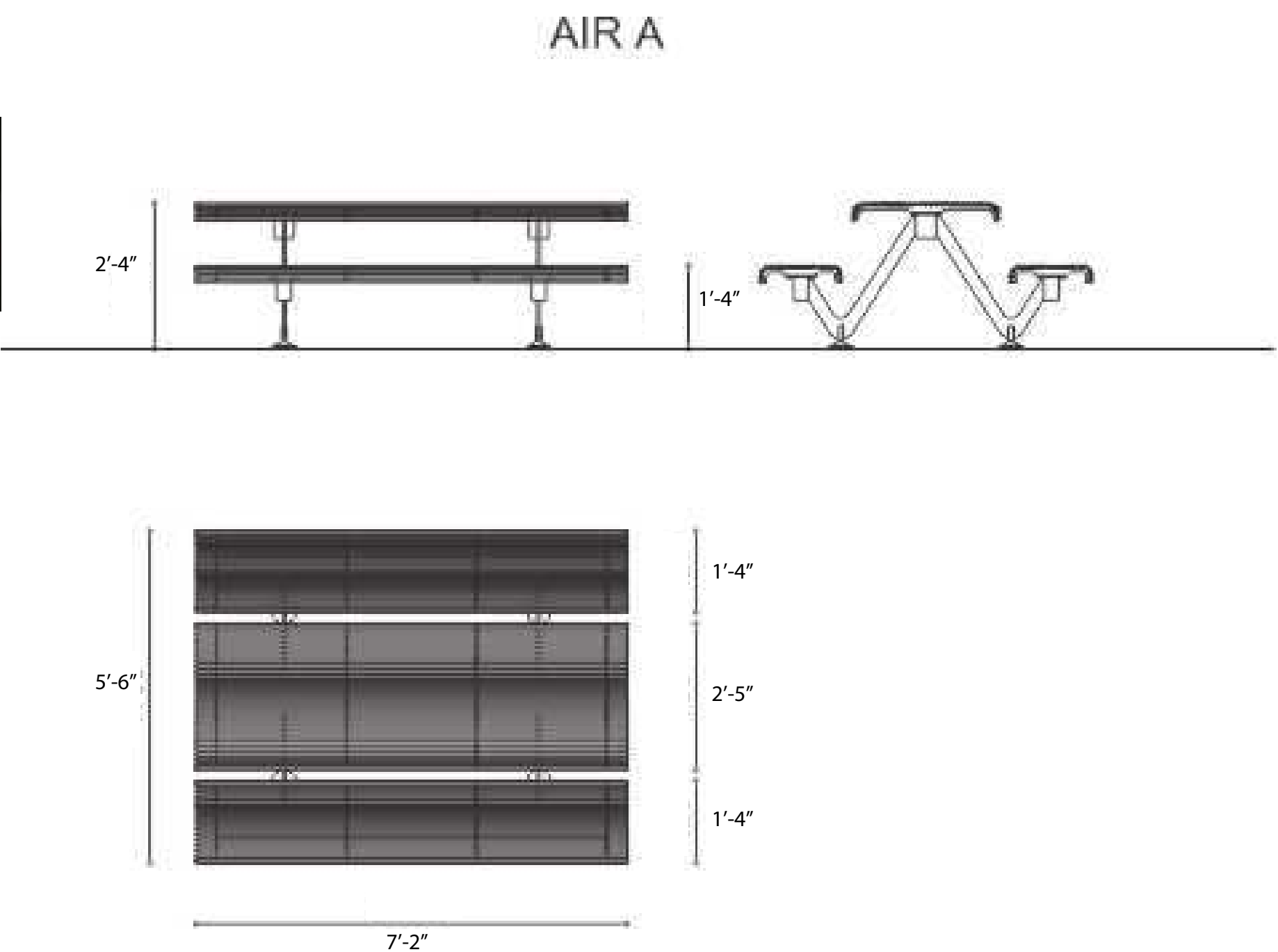
In case of installation of stainless steel products in areas characterized by salty air (e.g. near the sea) or by severe pollution, Metalco recommends to request ELECTROPOLISHING treatment.

This treatment improves stainless steel resistance to corrosion. This treatment is subject to extra-charges.

Maintenance.

Metalco recommends to periodically clean stainless steel products to eliminate salt, dust and other deposits, which may alter the protective layer of the material. Washing, as well as making the product clean, reduces the risk of corrosion. Normally it's sufficient to simply wash the stainless steel with water, detergent and a soft cloth. In the case of lime scale deposits, use a cream all-purpose cleaner with a soft cloth; while in case of thicker deposits, very hot water with 1/4 of vinegar is necessary. For grease and oil stains, use a mild liquid dishwashing product. For rust stains, use a mild cream using a soft damp cloth. For an optimal cleaning of stainless steel, Metalco uses a specific cleaner to remove dirt, stains and processing residues, which can be provided on request.

For any doubt on proper maintenance procedure, please contact Metalco Quality Department.



ARCHITONIC: VERA SOLO #LVS610

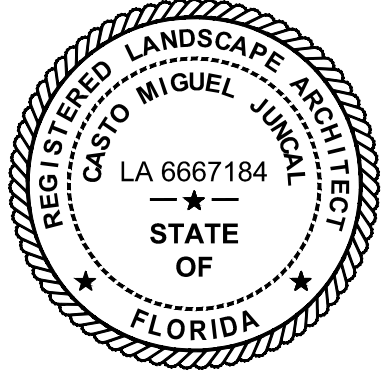
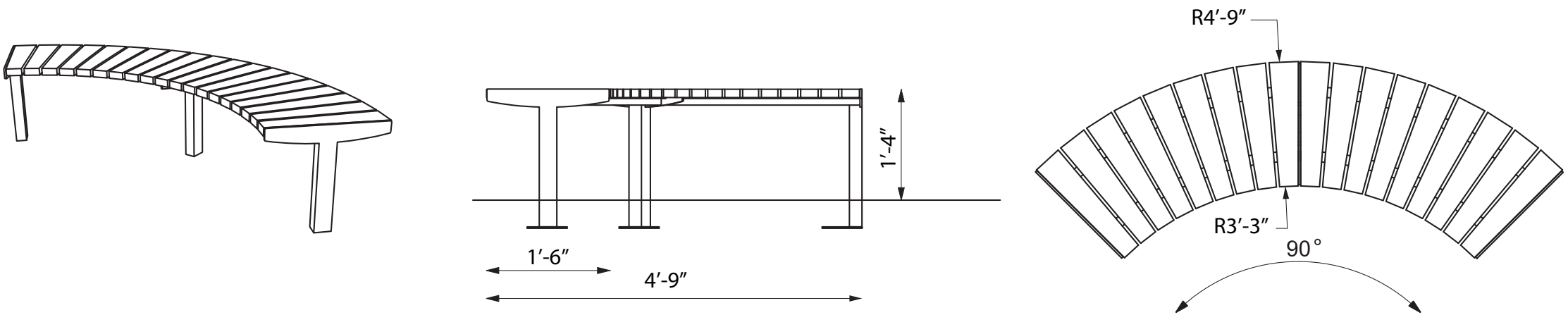


VERA SOLO

The all-purpose modular kit based on design of vera range is intended for all types of public realms, particularly those where an easy access from both sides and low maintenance are required. It is perfect not only for stations, airports, and bus terminals, but these advantageous features can also complement frequented squares or busy streets. A real bonus is the wider seat and less legs that highlight the silhouette of the bench. Apart from the standard length, doubleversion and the kit enabling continuous never-ending lines are offered as well. Curved versions can result in circle, installed for instance around a tree, or combined so that ellipse is achieved. Zinc and powder coated steel structure. Seat and backrest made of solid wooden boards or steel/stainless steel rounds, without visible joints to steel structure.

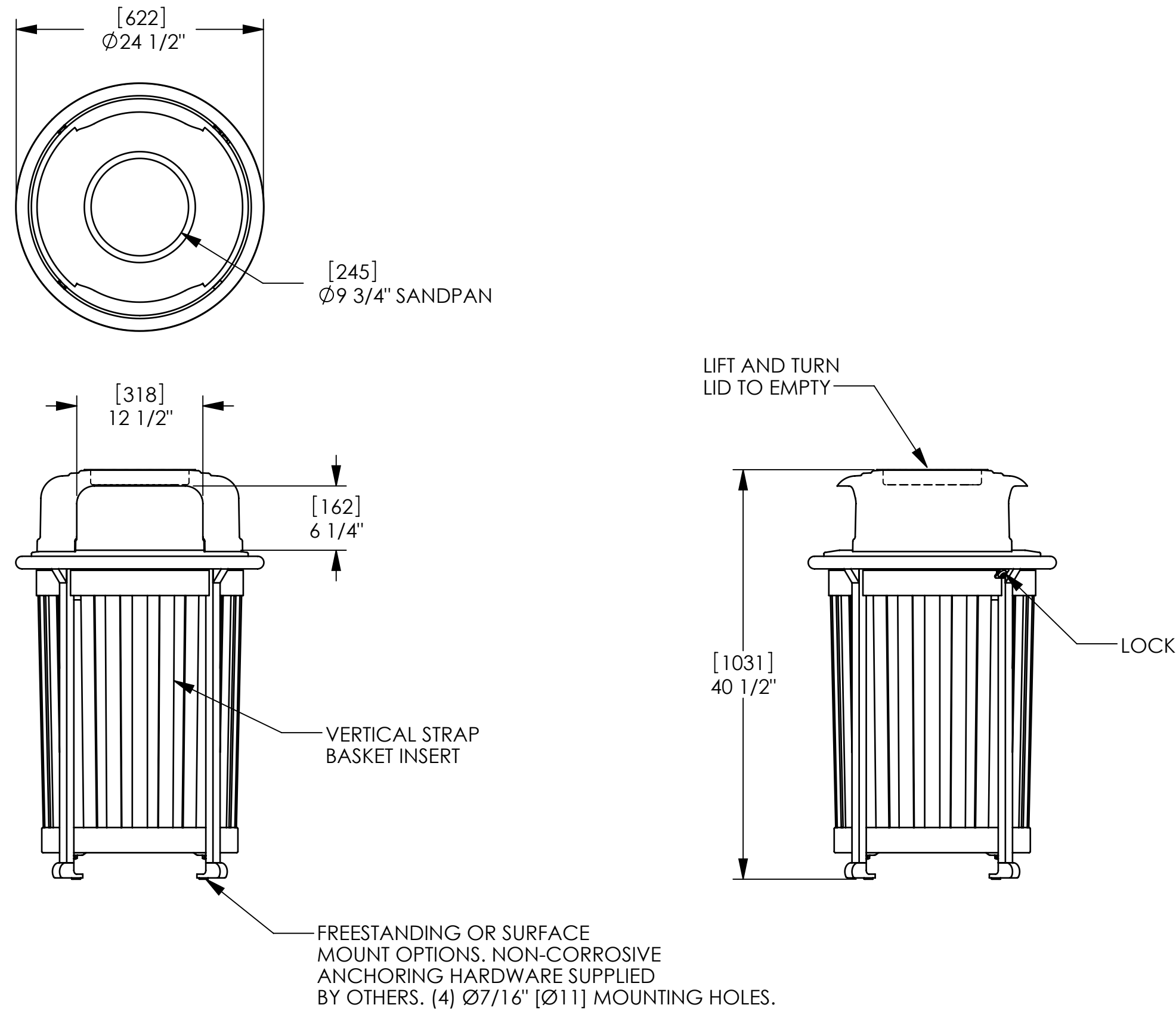
Curved park bench on a central leg
Banc de forme concave sur pieds centrés
Gebogene Parkbank

steel structure, seat made of lateral wooden lamellas, 90°
structure en acier, assise en lames de bois transversaux, 90°
Stahlkonstruktion, Sitzfläche mit Holzbelattung, 90°



APPROVED : CASTO MIGUEL JUNCAL, R.L.A.
FLA. REGISTRATION NO. 6667184 DATE : 11/05/18

LANDSCAPEFORMS: SCARBOROUGH RECEPTACLE (SIDE OPEN)



Powdercoated Metal
In addition to colors shown below, a wide selection of optional and custom colors may be specified for an upcharge.

black	blue bell	buttercup	cranberry	flame/ orange	grass	ivy	ocean	stormcloud	white
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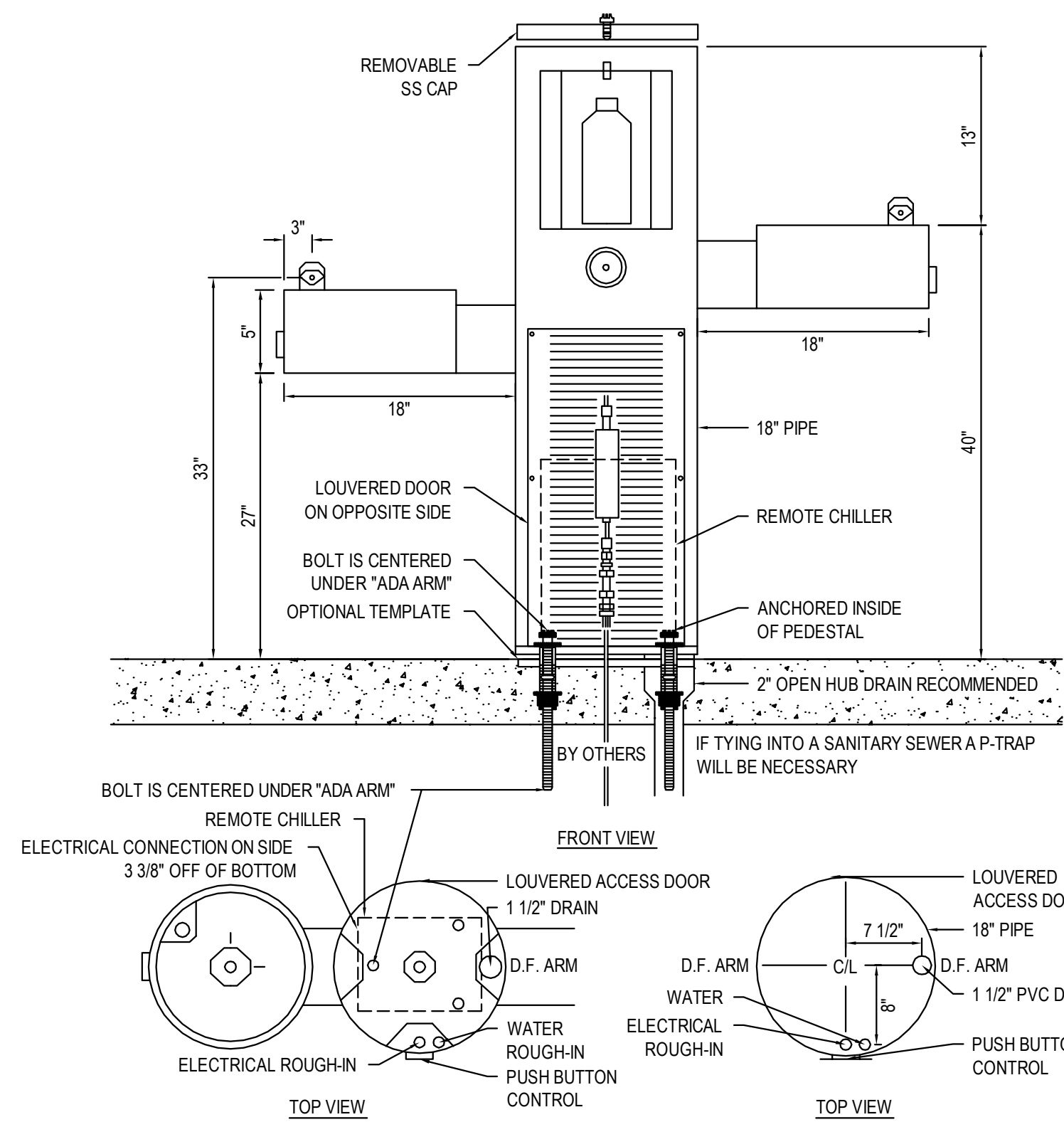
Metallic

bronze	brass	steel	stone	titanium	mercury
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Designer Palette: Architectural Series

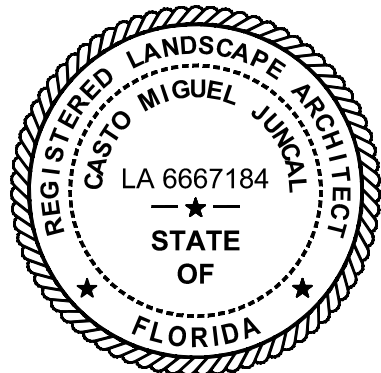
blue ash	dusk	nutmeg	obsidian	onyx	matte black
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MOSTDEPENDABLE: 10145-18 SMSS CHILLED



AVAILABLE COLORS

BLUE	GREEN	RED	ORANGE	BROWN
YELLOW	BLACK	WHITE	CHROME	TEXTURED BLACK
TEXTURED BURGUNDY	TEXTURED COPPER	TEXTURED EMERALD	TEXTURED GOLD VEIN	TEXTURED PYRITE
TEXTURED SANDSTONE				TEXTURED SAPPHIRE



APPROVED : CASTO MIGUEL JUNCAL, R.L.A.
FLA. REGISTRATION NO. 6667184 DATE : 11/05/18

MIAMI BEACH
OFFICE OF CAPITAL IMPROVEMENT PROJECTS
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: MIAMI BEACH POCKET PARK
ADDRESS:

MILLER LEGG
South Florida Office: 5747 N. Andrews Way
Ft. Lauderdale, Florida 33309-2364
954-436-7000 Fax: 954-436-8664
www.millerlegg.com
Certificates of Authorization: EB7318, LB6680, LC0337

SUB-CONSULTANT

LA OF RECORD: CMJ
DESIGN LA: CMJ
DRAWN BY: AP
CHECKER: CMJ
SCALE:

LANDSCAPE ARCHITECT OF RECORD:
CASTO MIGUEL JUNCAL
NO.6667184

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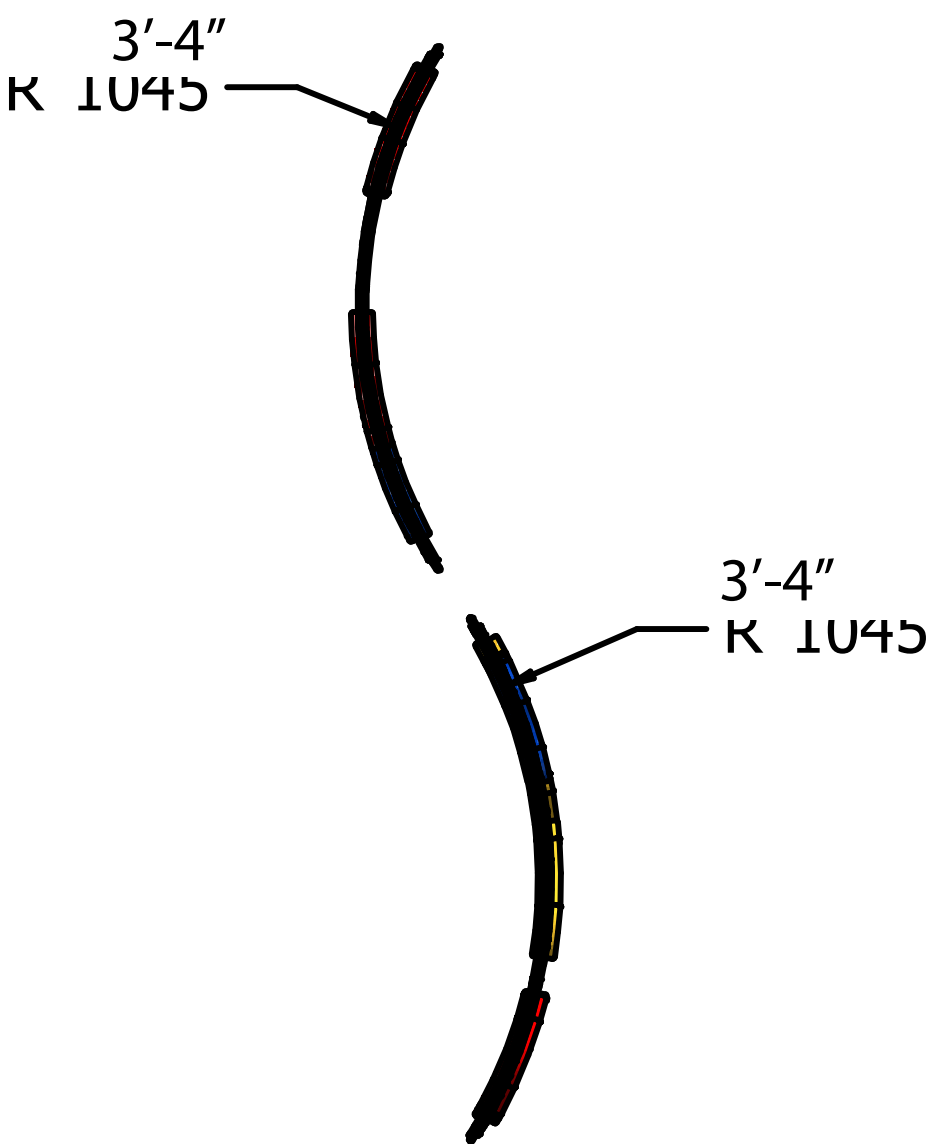
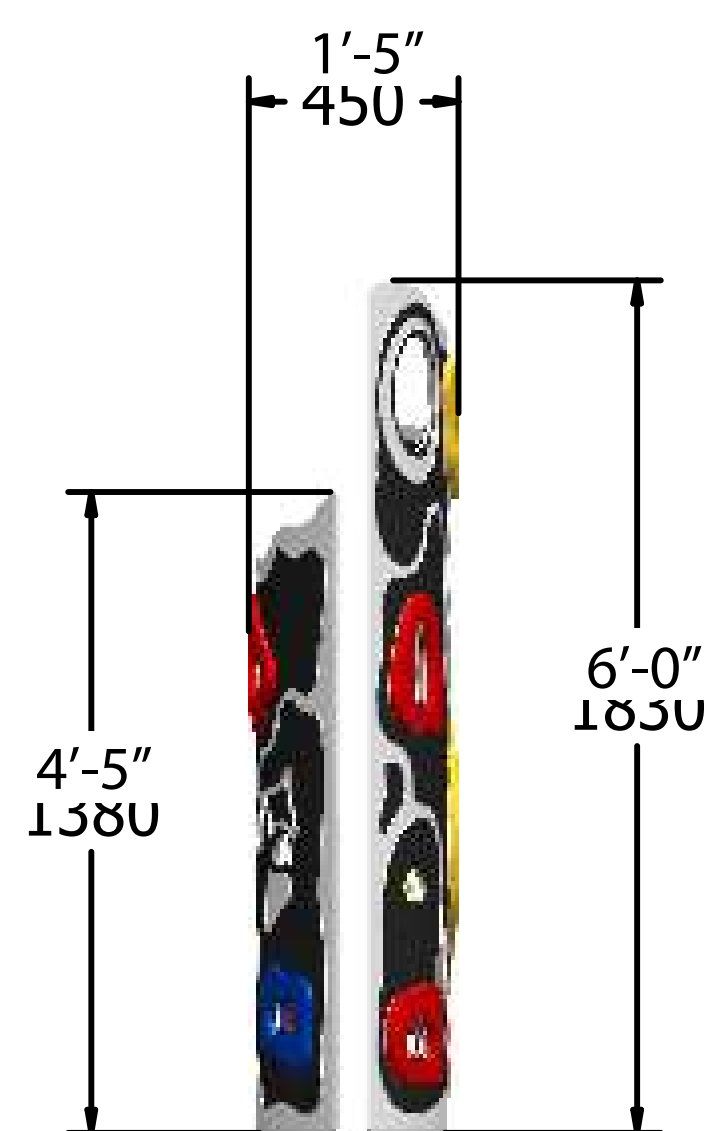
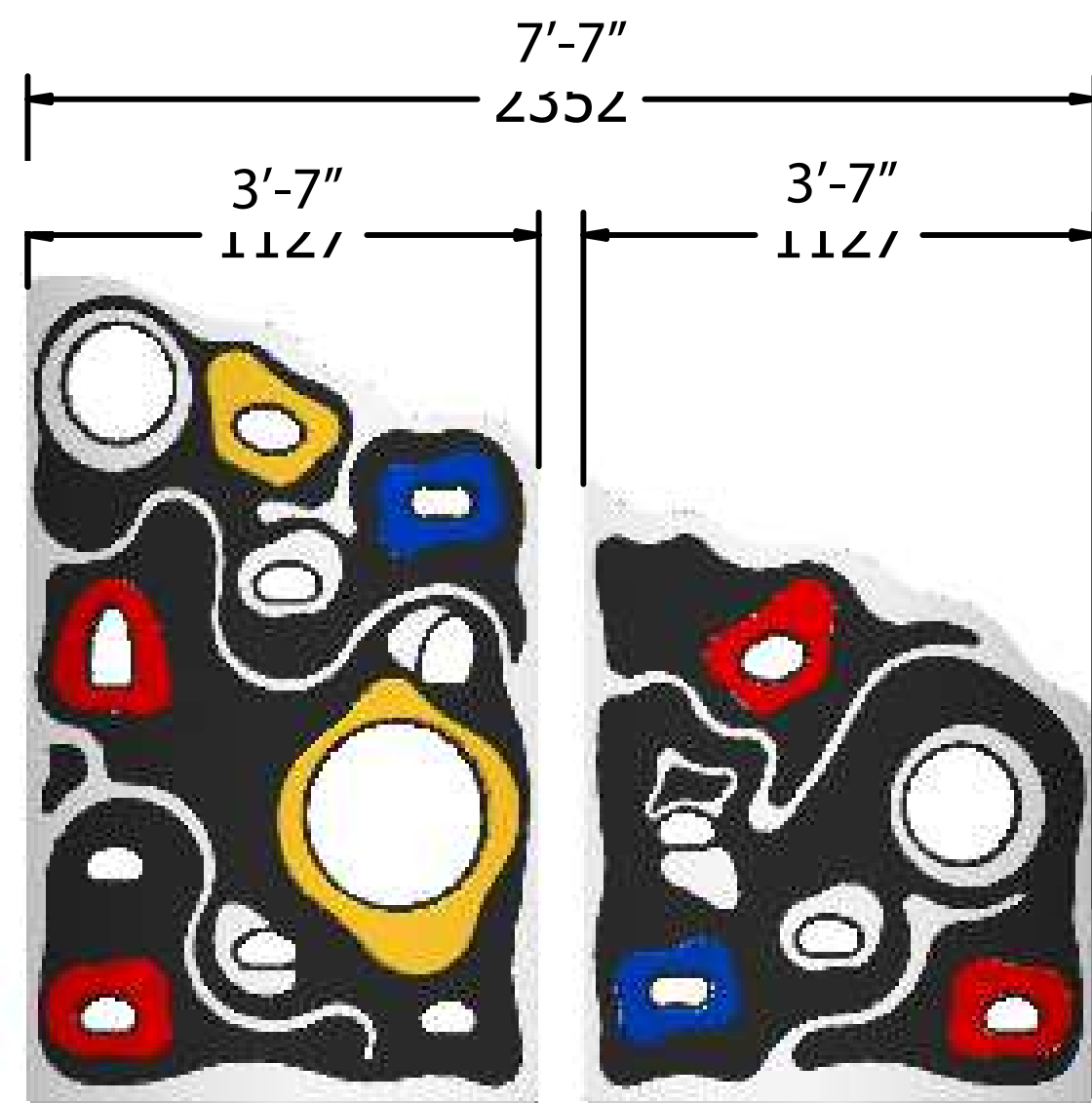
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LNP-7

FAHR CLIMBING WALLS:



Note:
With ALL Fahr panels, you can specify your own panel size, profile shape and preferred colour/s. Fahr will also work with your designers to create you own unique and bespoke design, please contact the Fahr Office now for more information.



EVERLAST CLIMBING: OUTDOOR CLIMBERS

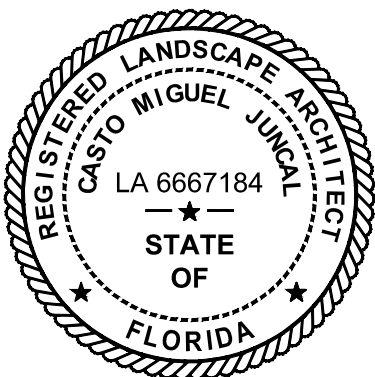


GRAY CLIMBING WALL

Specifications

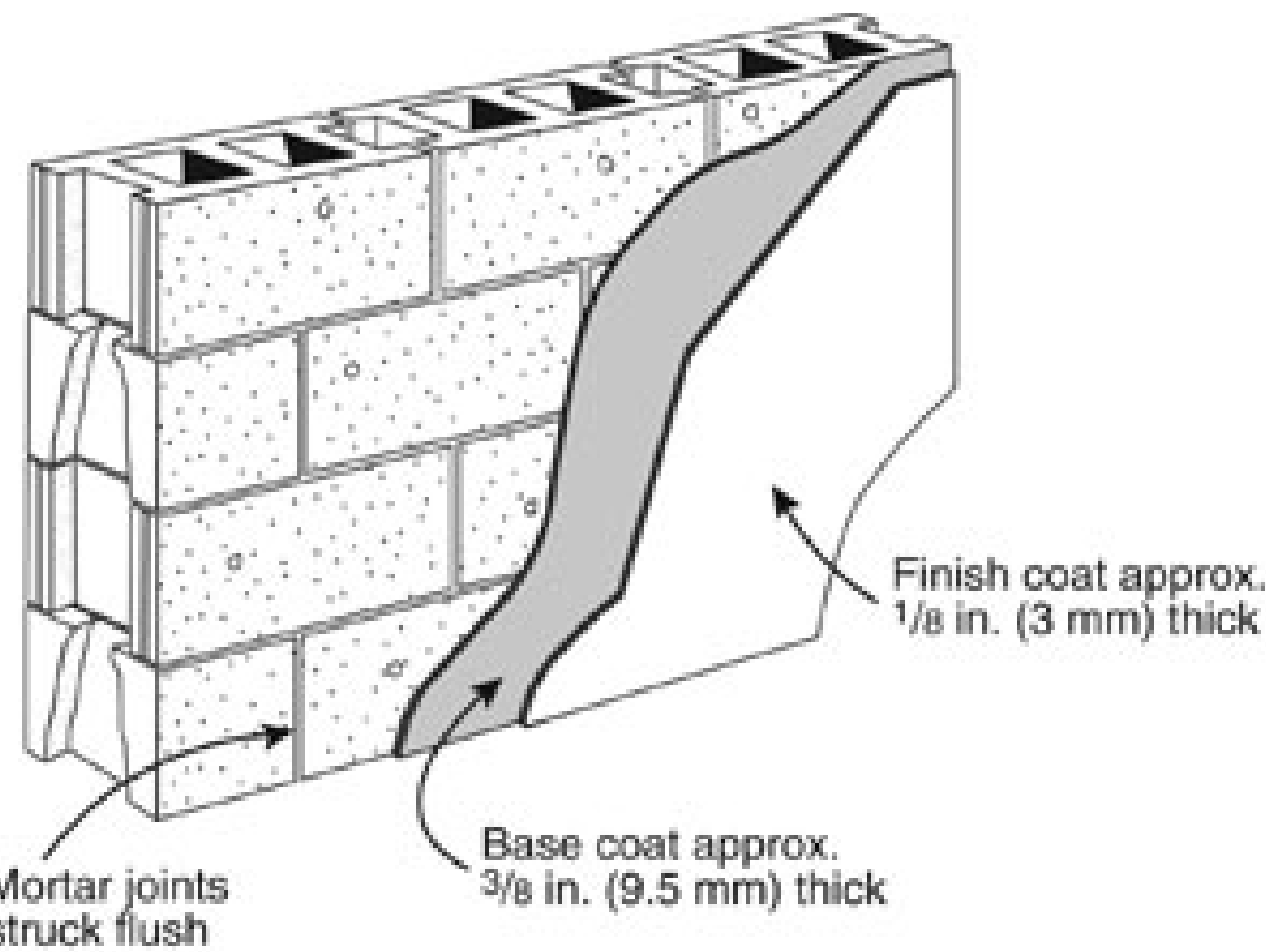
PLAYGROUND WALL		
Size	6' High	8' High
Dimensions	6'H x 12'L	8'H x 12'L
Climber Capacity	6 Climbers	6 Climbers
# of Hand Holds	120	120
Installation Time	8+ hours*	8+ hours*
Fall Height	6'	8'
Use Zone	13' x 24'	13' x 24'
Weight	650 lbs	875 lbs
Age Appropriate	3-5 and 5-12	5-12 yrs

*Does not include concrete manufacturer's recommended set time

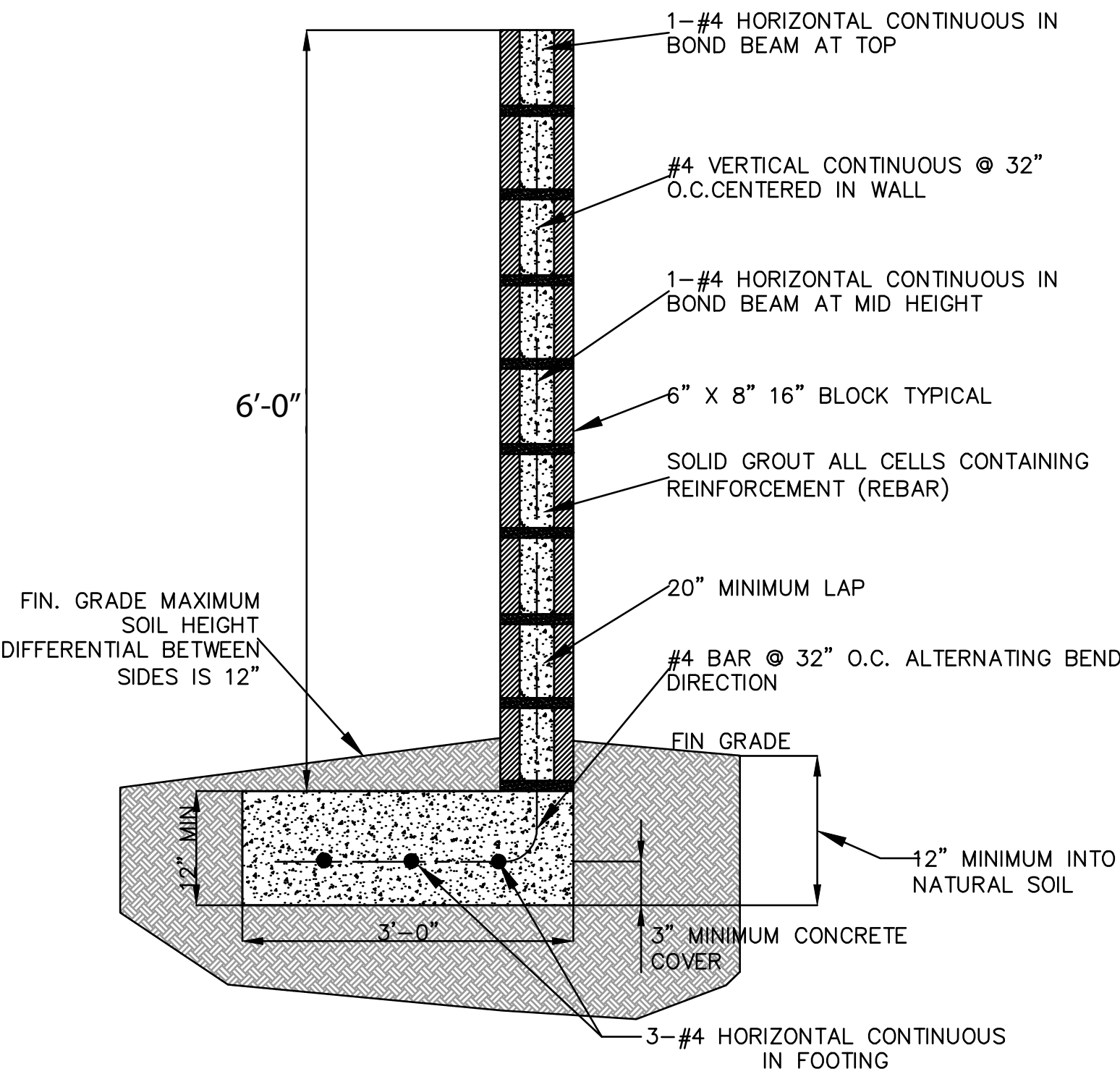


APPROVED : CASTO MIGUEL JUNCAL, R.L.A.
FLA. REGISTRATION NO. 6667184 DATE : 11/05/18

WALL DETAILS



STUCCO WALL FINISH DETAIL



STUCCO WALL DETAIL

ACCENT PANELS

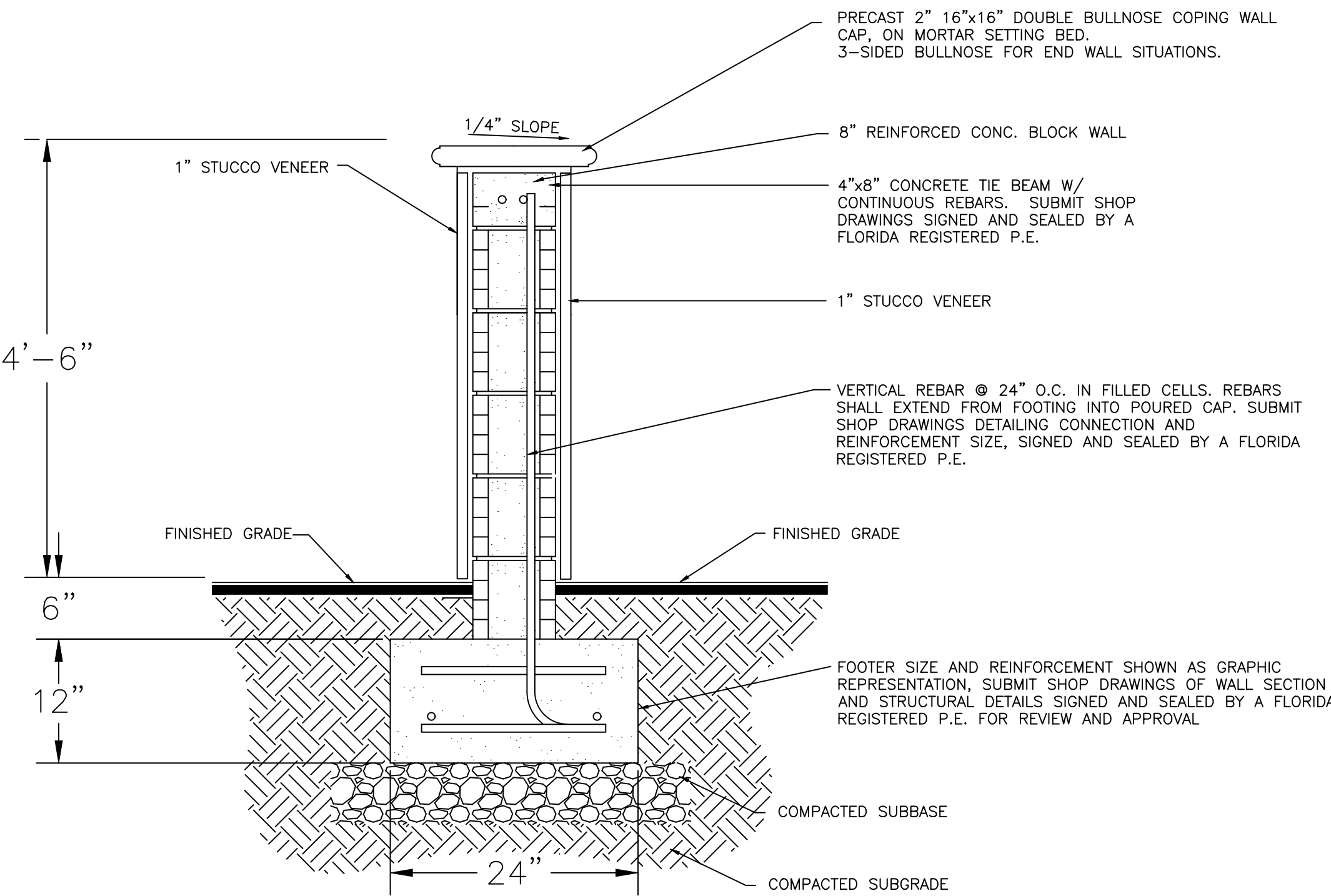


VICTORY GARDEN WASHINGTON

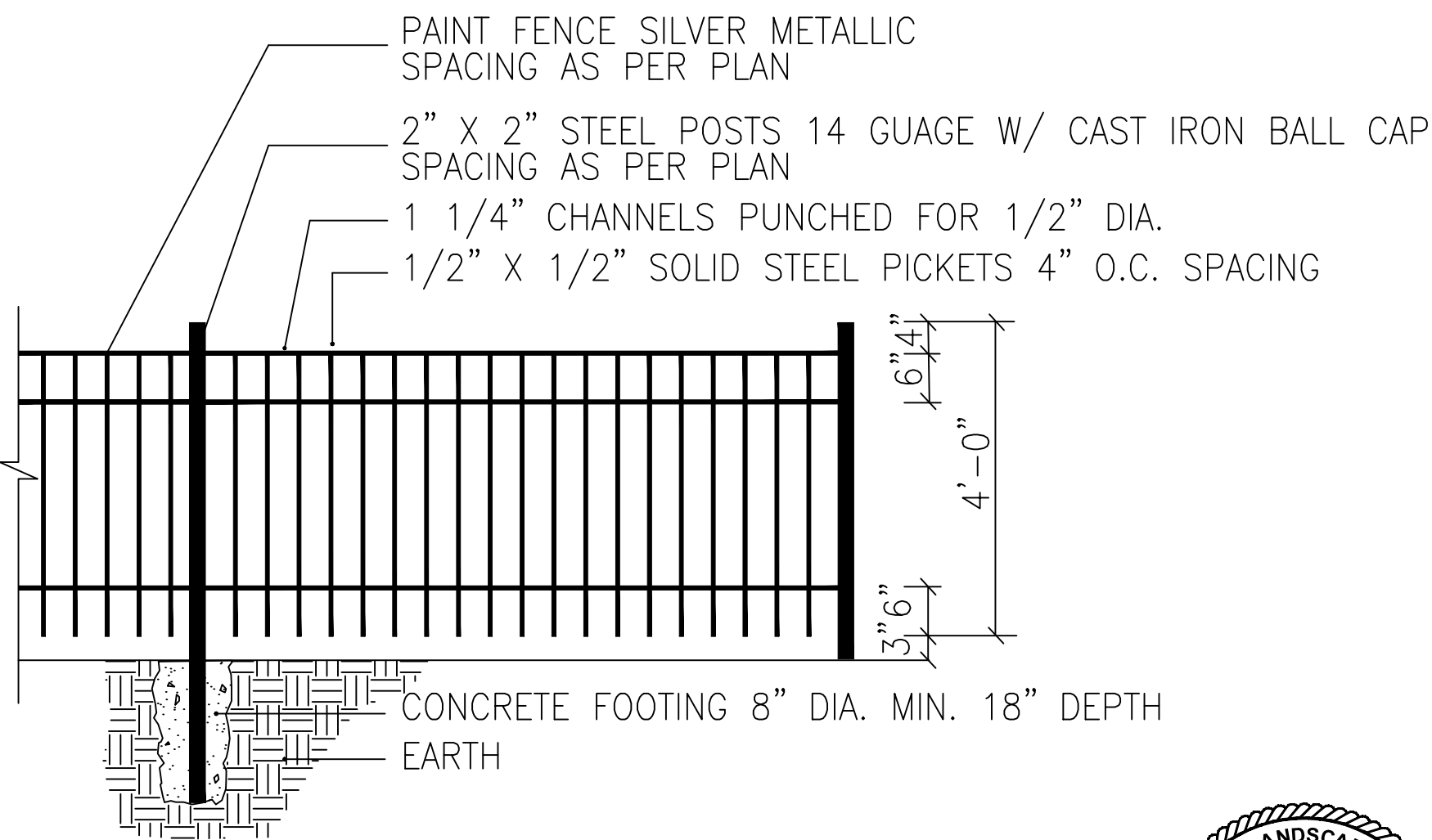
FENCE AND COLUMN DETAILS



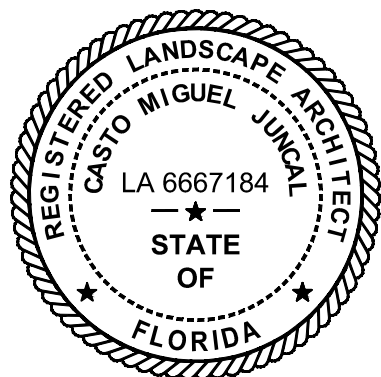
MIAMI BEACH LA GORCE PARK FENCE FOR REFERENCE



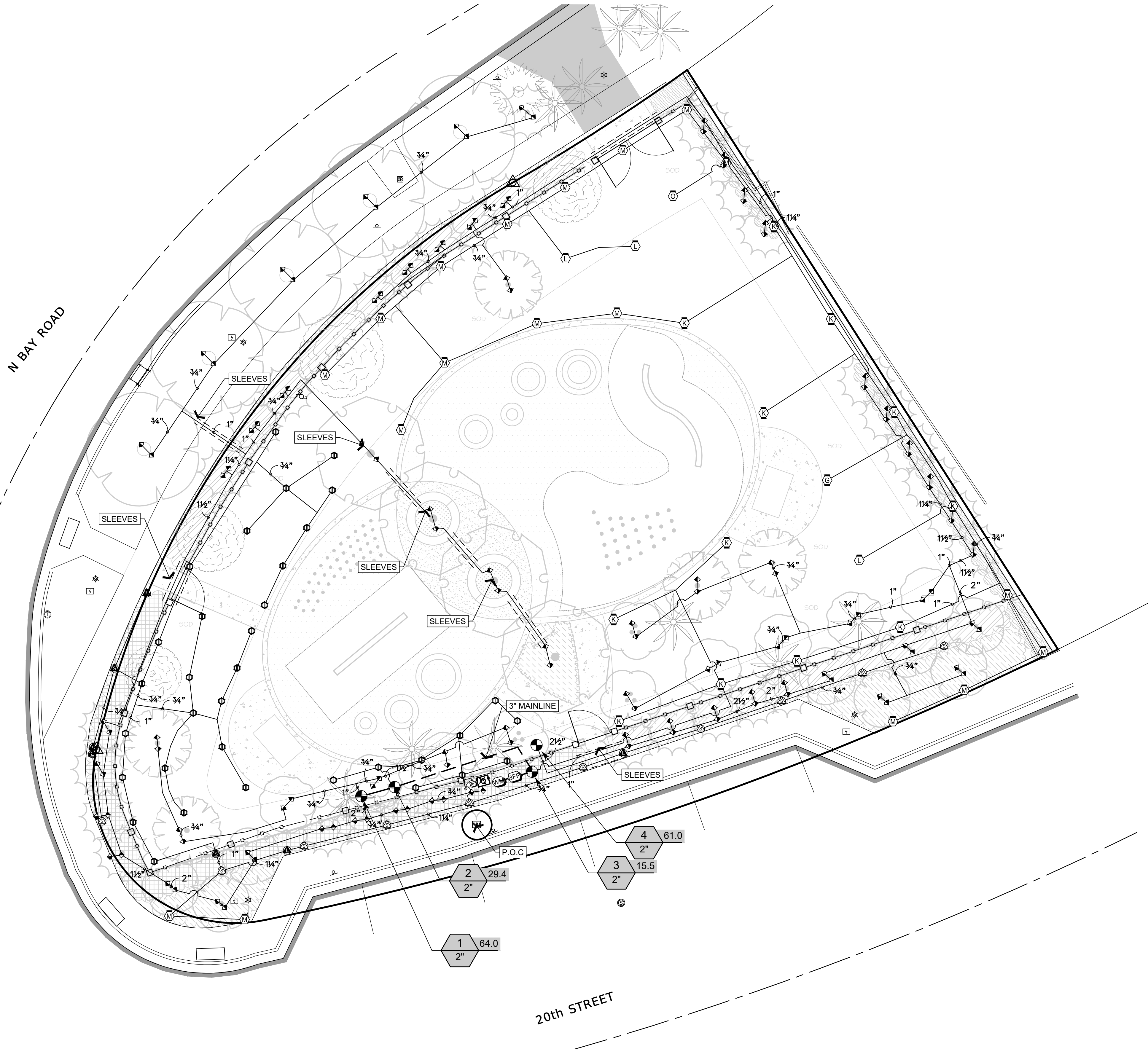
FENCE COLUMN DETAIL



PICKET FENCE DETAIL



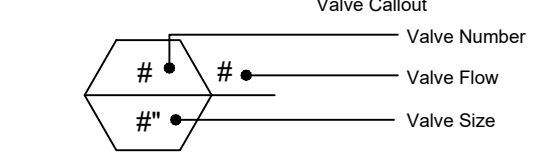
APPROVED: CASTO MIGUEL JUNCAL, R.L.A.
FLA. REGISTRATION NO. 6667184 DATE: 11/05/18



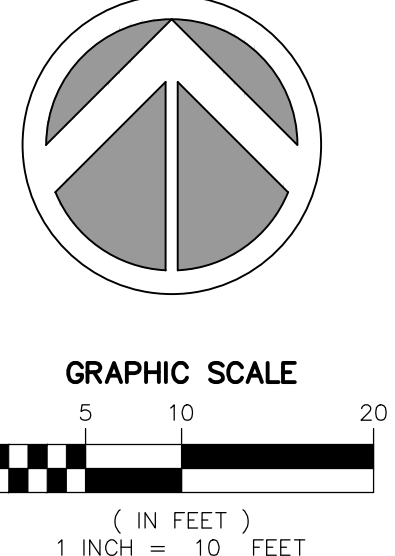
IRRIGATION SCHEDULE			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Hunter PPS-04-PRS40 5' strip spray	7	30
	Hunter PPS-12-PRS40 5' strip spray	10	30
	Hunter MP1000 PPS-06-PRS40-CV Turf Rotator, 6" (15.24 cm) pop-up with check valve, pressure regulated to 40 psi (2.76 bar), MF Rotator nozzle on PRS40 body, M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.	22	40
	Hunter MP2000 PPS-06-PRS40-CV Turf Rotator, 6" (15.24 cm) pop-up with factory installed check valve, pressure regulated to 40 psi (2.76 bar), MF Rotator nozzle on PRS40 body, K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.	13	40
	Hunter MP800SR PPS-06-PRS40-CV Turf Rotator, 6.0" pop-up with check valve, pressure regulated to 40 psi (2.76 bar), MF Rotator nozzle on PRS40 body, ADJ=Orange and Gray (arc 90-210), 360=Lime Green and Gray (arc 360)	34	30
	Hunter PCB Flood Bubbler, 1/2" FIPT.	130	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter ICV-6 1", 1-1/2", 2", and 3" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	4
	Weathermatic Controller Remote connectivity controller, cellular not wifi Weathermatic	1
	Black Flow Preventer	1
	RAIN SENSOR	1
	Water Meter	1

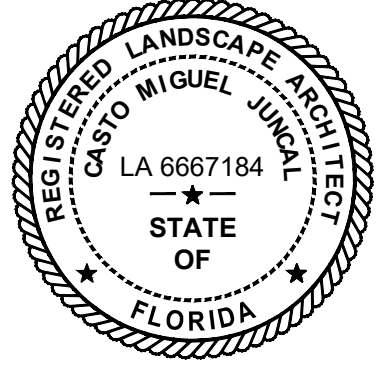
	Irrigation Lateral Line: PVC Class 200	2,041 l.f.
	Irrigation Mainline: PVC Schedule 40	36.7 l.f.
	Pipe Sleeve: PVC Class 200 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	63.9 l.f.



VALVE SCHEDULE							
NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ P.O.C.	PRECIP
1	Hunter ICV-6	2"	Bubbler	64.00	37.46		4.56 in/h
2	Hunter ICV-6	2"	Turf Rotary	29.92	33.74		0.96 in/h
3	Hunter ICV-6	2"	Turf Rotary	15.46	48.13		0.31 in/h
4	Hunter ICV-6	2"	Bubbler	61.00	36.47		4.78 in/h



FINAL SUBMITTAL: DEC DRB



APPROVED: CASTO MIGUEL JUNCAL, RLA
FLA. REGISTRATION NO. 6667184 DATE: 11/05/18

MIAMI BEACH
OFFICE OF CAPITAL IMPROVEMENT PROJECTS
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: MIAMI BEACH POCKET PARK
ADDRESS:

MILLER LEGG
South Florida Office: 5747 N. Andrews Way
P.O. Box 10000, Miami, FL 33150
954-436-7000 • Fax: 954-436-8864
www.millerlegg.com
Certificates of Authorization: EB7318, LB6680, LC0337

SUB-CONSULTANT

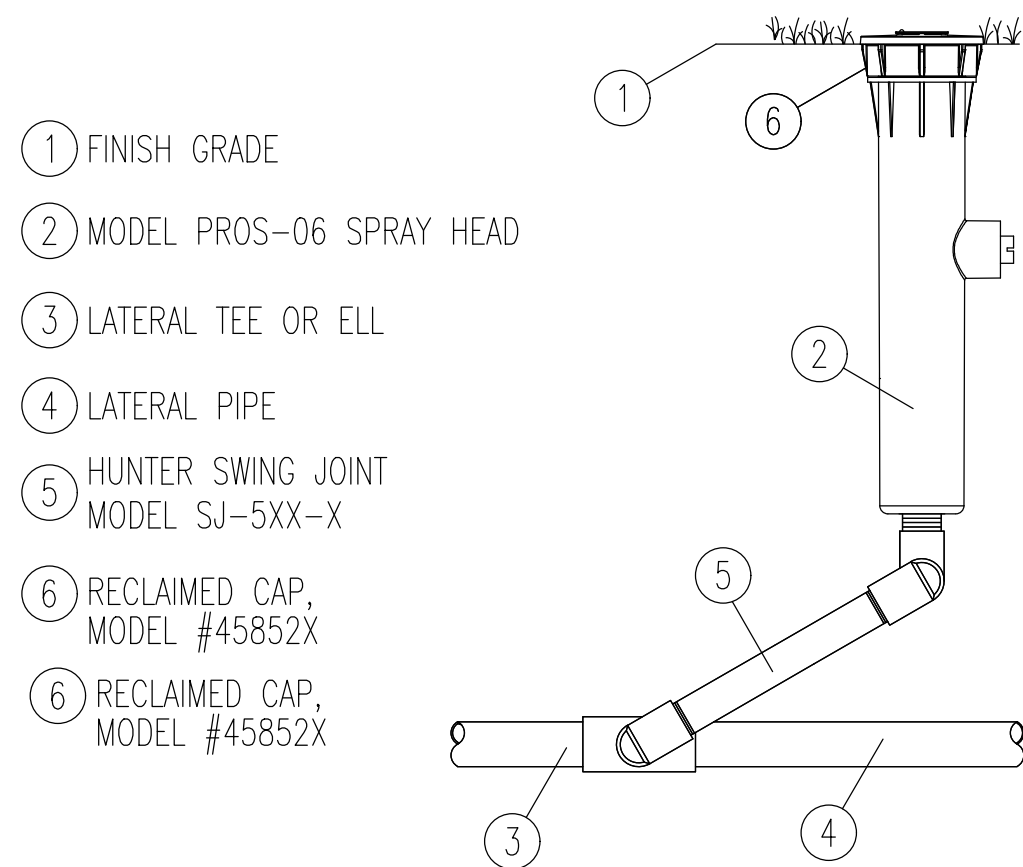
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CHECKER: CMJ
SCALE:

LANDSCAPE ARCHITECT OF RECORD:
CASTO MIGUEL JUNCAL
NO. 6667184

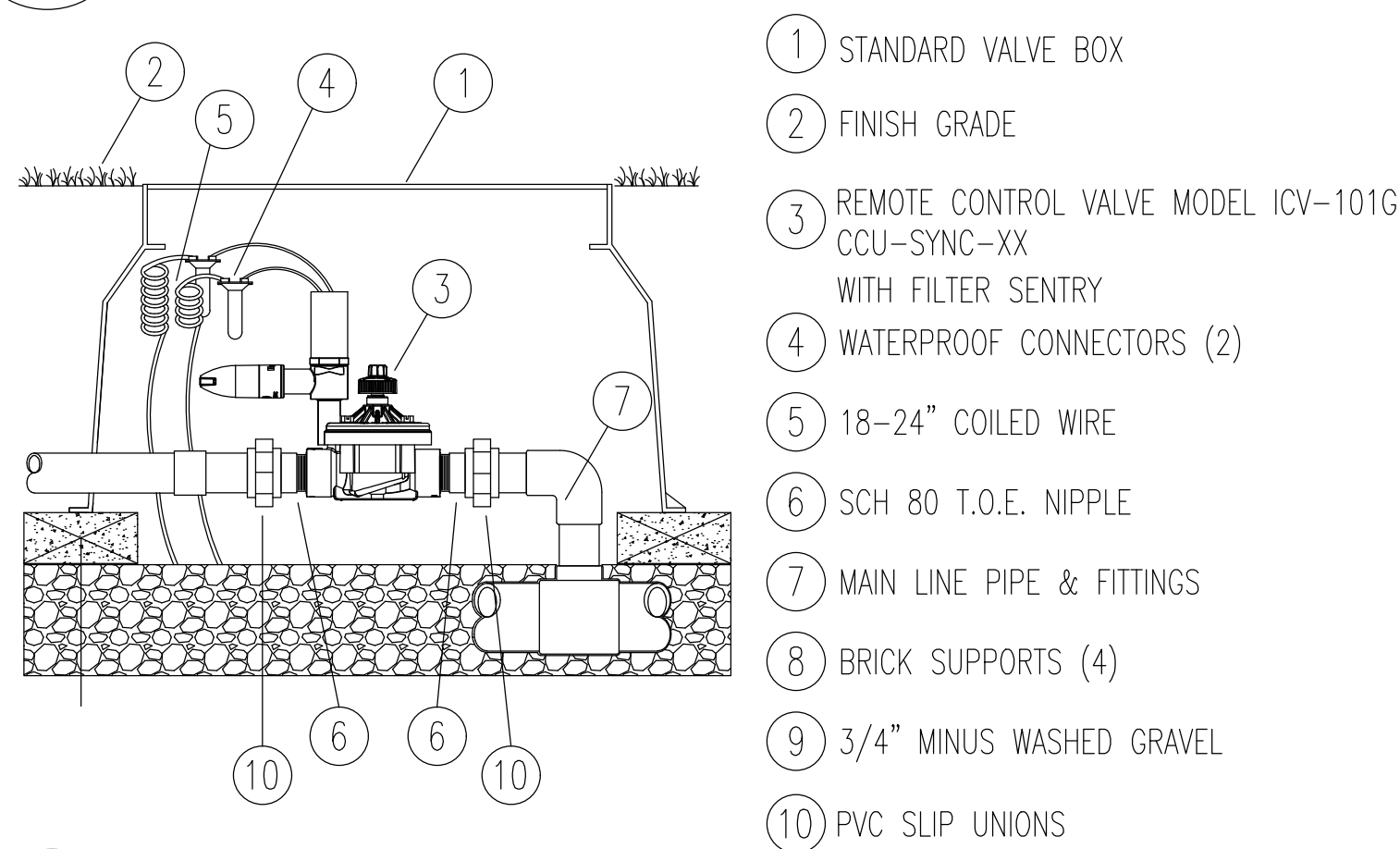
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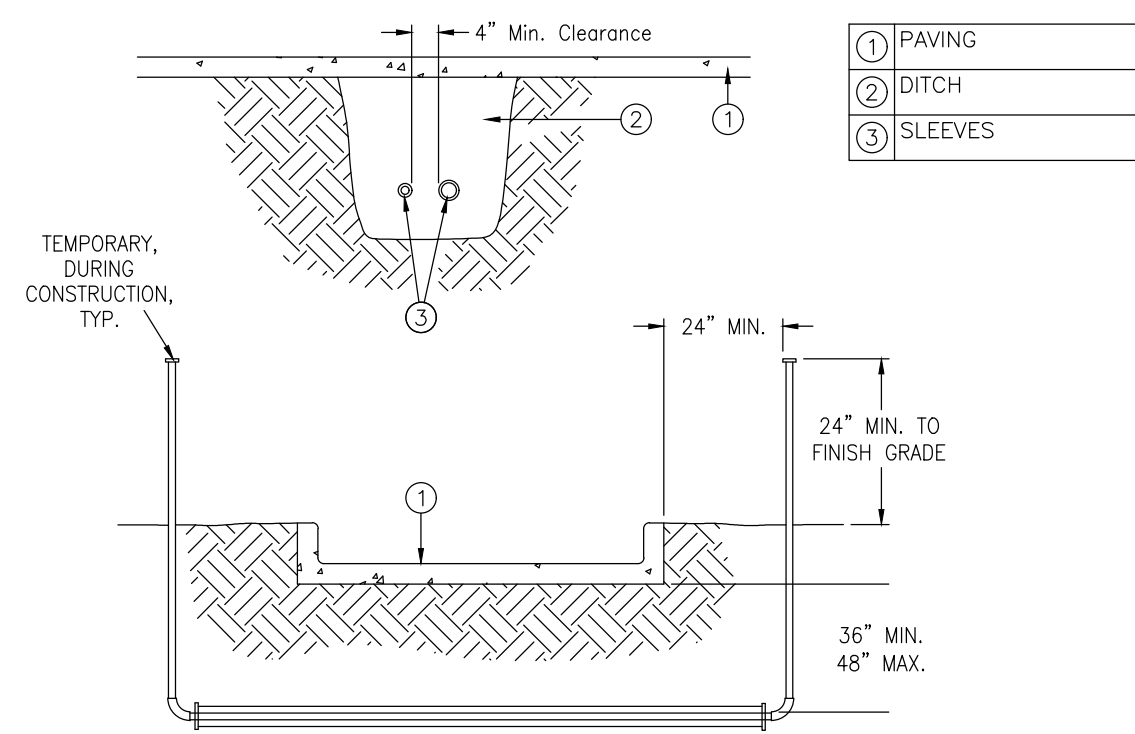
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1 PROS-06 SPRAY HEAD
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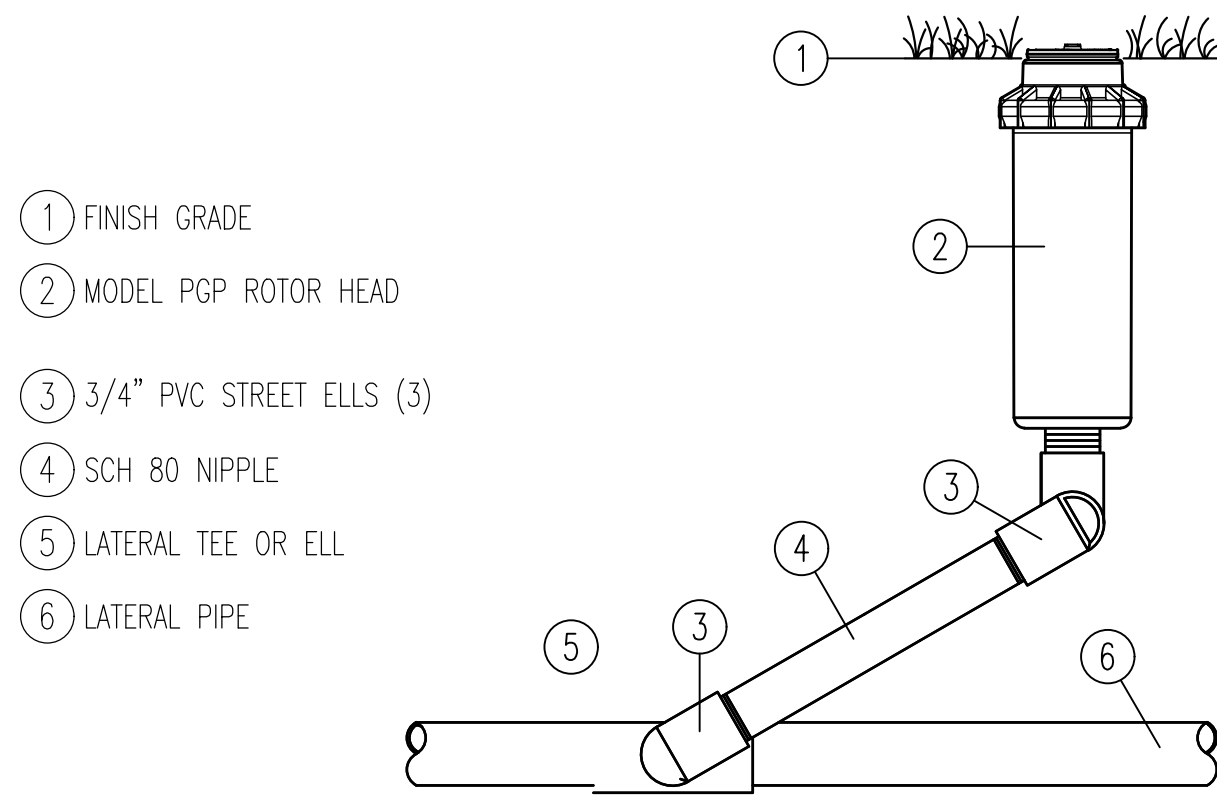


2 HUNTER ICV VALVE
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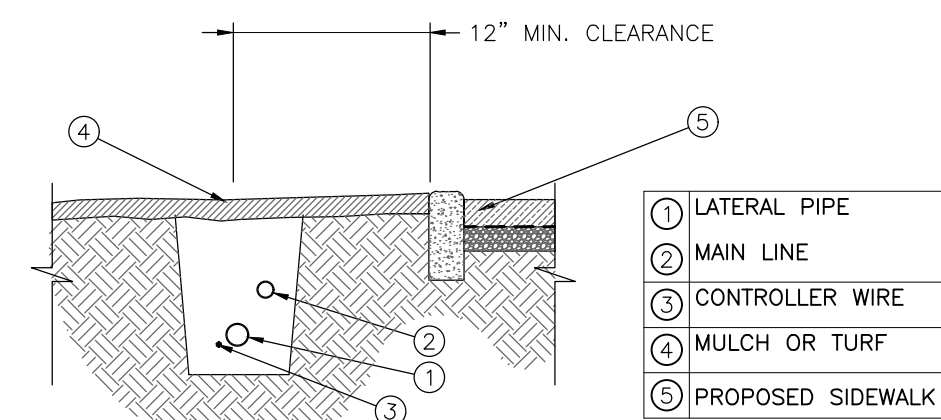


NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCH 80 PVC PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. MECHANICALLY TAMP TO 95% PROCTOR.

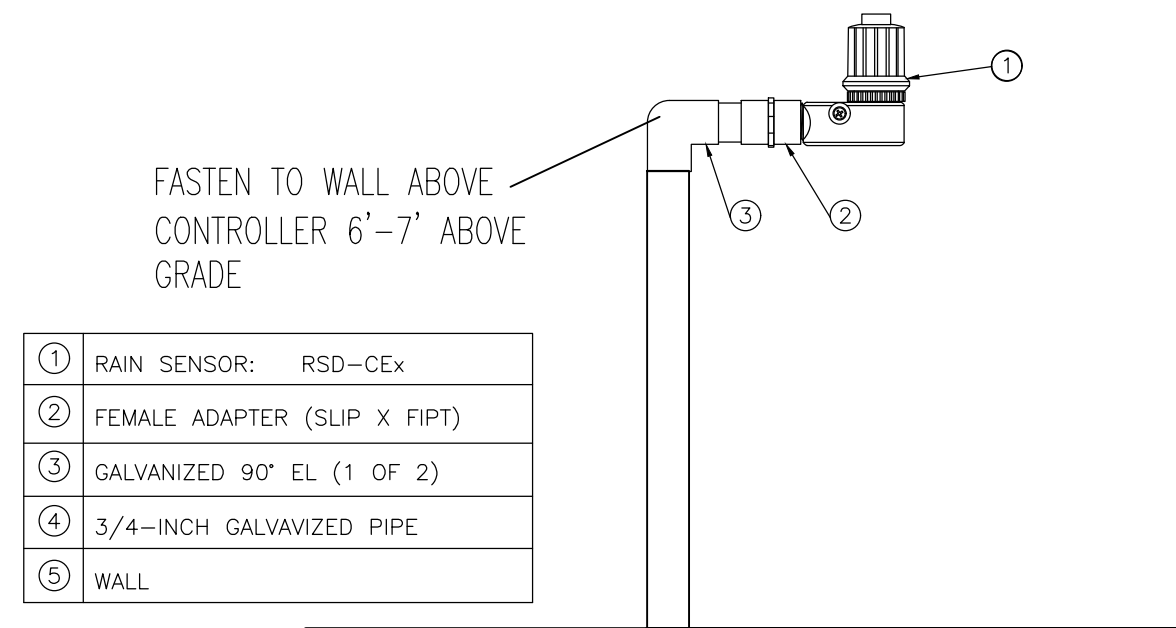
3 SLEEVING
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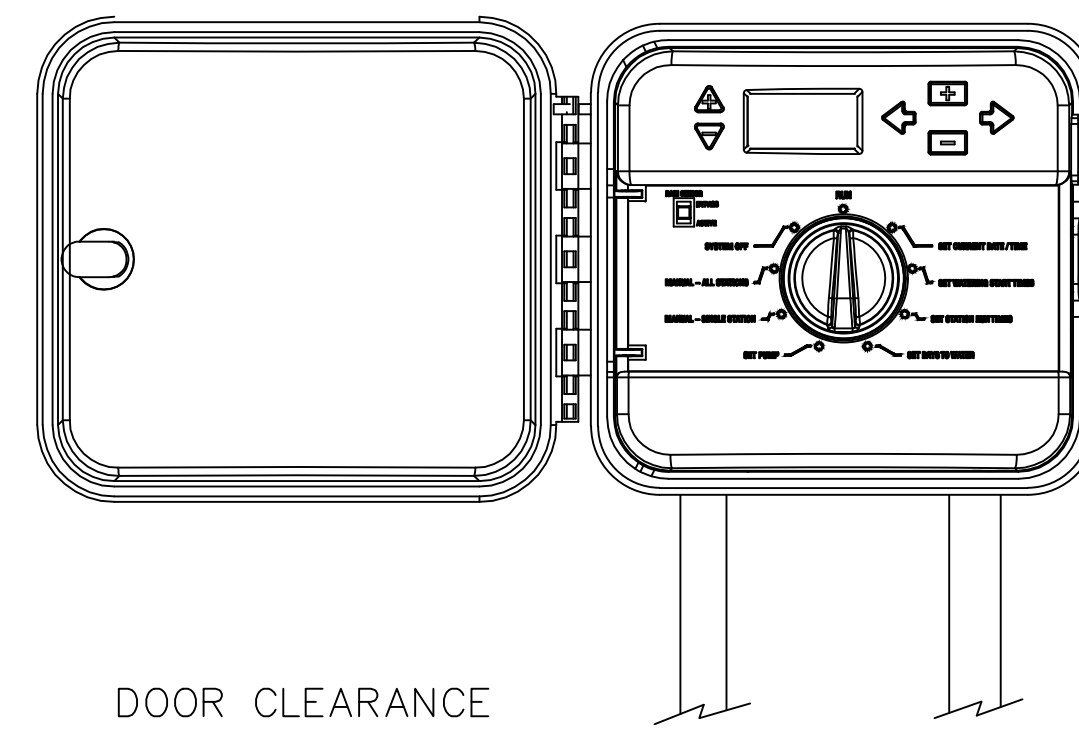
4 MPR ROTATOR HEAD
N.T.S



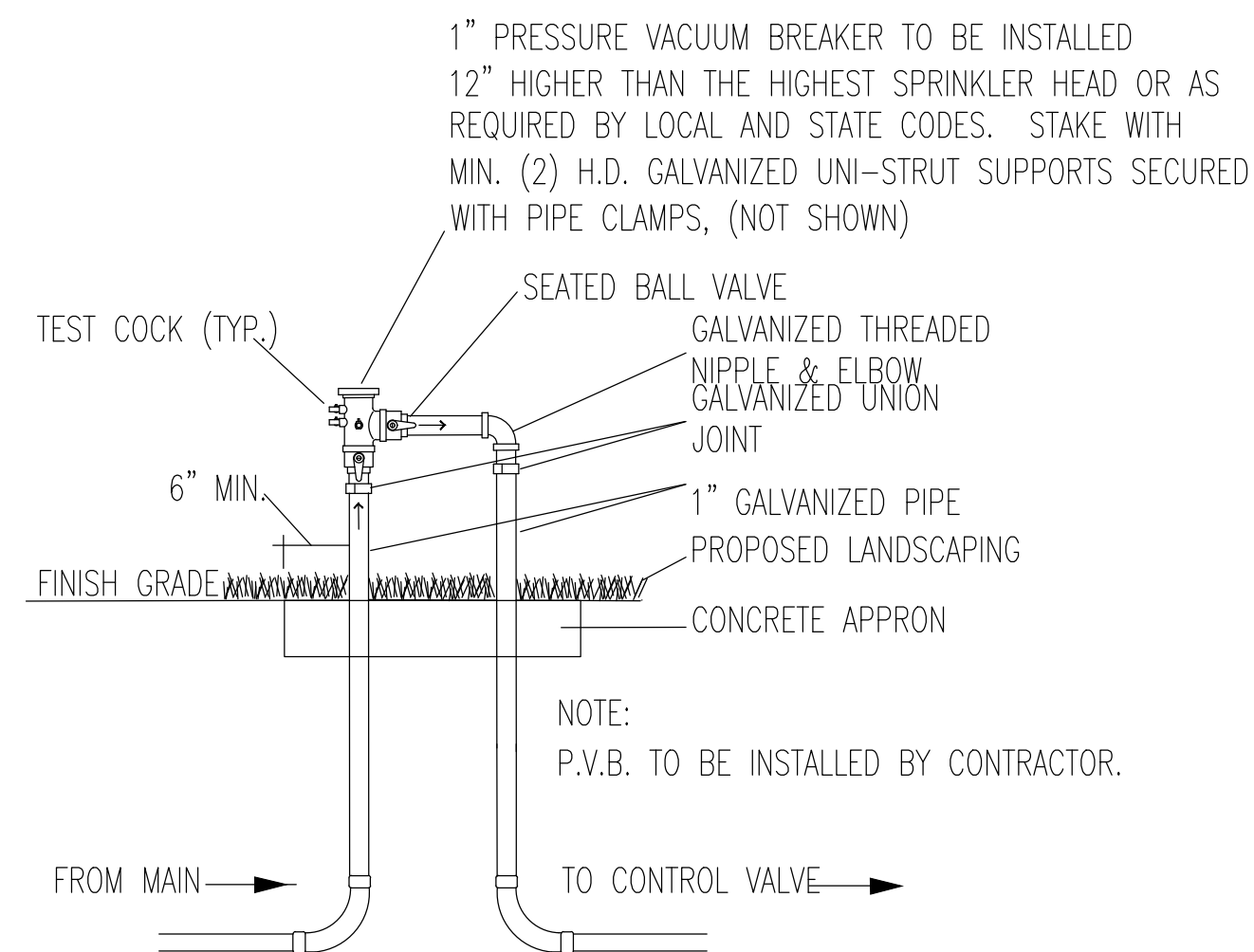
5 MAINLINE AND LATERAL PIPE
NOT TO SCALE



6 RAIN SENSOR
NOT TO SCALE

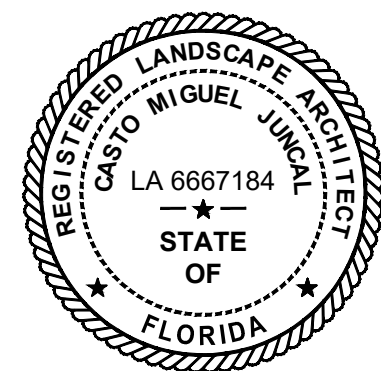


7 CONTROLLER (OUTDOOR) WEATHERMATIC
NOT TO SCALE



8 BACKFLOW PREVENTER
NOT TO SCALE

FINAL SUBMITTAL: DEC DRB



APPROVED: CASTO MIGUEL JUNCAL, RLA
FLA. REGISTRATION NO. 6667184 DATE: 11/05/18

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1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

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SUB-CONSULTANT

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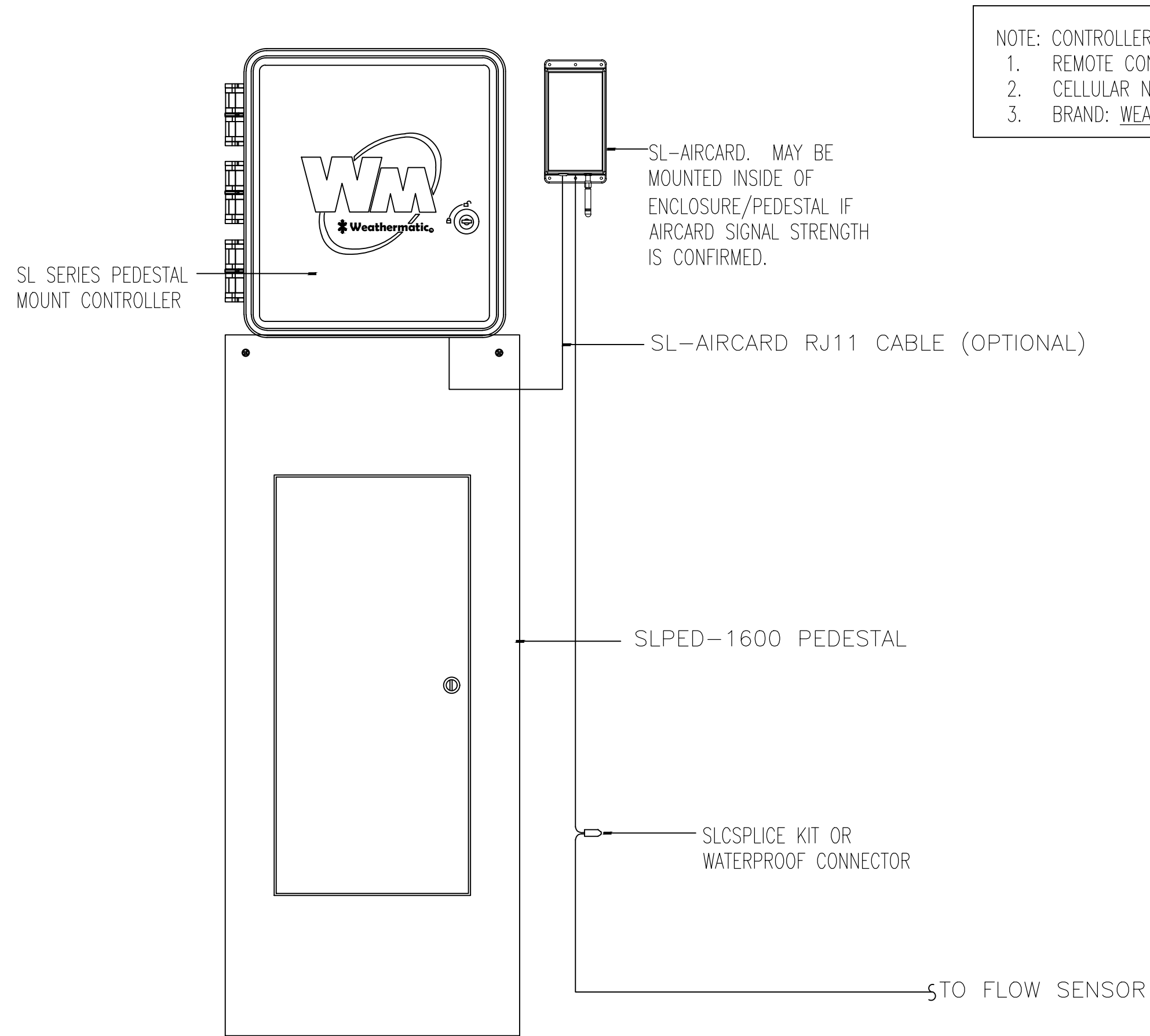
LANDSCAPE ARCHITECT
OF RECORD:
CASTO MIGUEL JUNCAL
NO. 6667184

NO.	DATE	REVISION	APPD. BY
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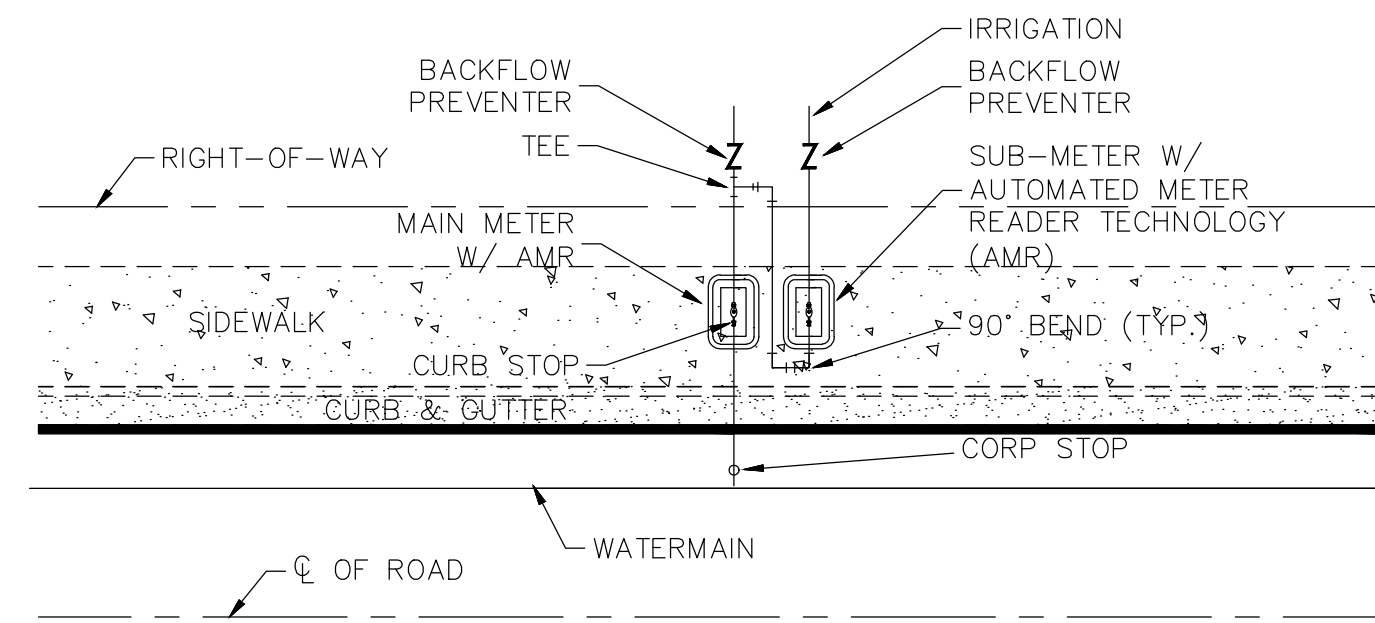
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IRR-2



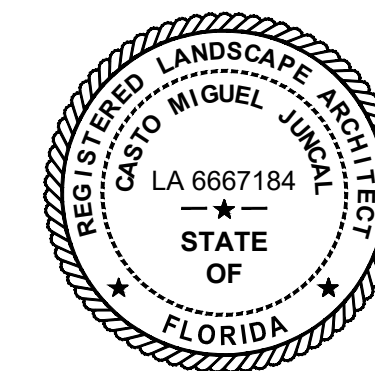
NOTE: CONTROLLER CHARACTERISTIC
1. REMOTE CONNECTIVITY
2. CELLULAR NOT WIFI
3. BRAND: WEATHERMATIC

9 SL1600 ON SLPED-1600 PEDESTAL
NOT TO SCALE



- NOTES:
1. MUST USE RECTANGULAR BOX TO ACCOMMODATE BOTH THE SUB-METER AND SHUT-OFF VALVE.
 2. MUST HAVE SHUT-OFF VALVE ON INLET SIDE BEFORE METER.
 3. MUST PLACE SUB-METER BOX WITHIN 5 FEET OF MAIN METER, EASILY ACCESSIBLE TO METER READER.
 4. MUST CALL METER SHOP AT 305-673-7681 WHEN INSTALLATION IS COMPLETED FOR FINAL INSPECTION IN ORDER TO OBTAIN SEWER CREDIT.
 5. SUB-METER CANNOT BE LARGER THAN THE DOMESTIC METER WATER SERVICE LINE.

10 METER INSTALLATION DETAIL
NOT TO SCALE



FINAL SUBMITTAL: DEC DRB

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FLA. REGISTRATION NO. 6667184 DATE: 11/05/18

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