

INTERIOR PLANTS

Flame Guard + [®]



A SQUARED

Turf & Vine's trademarked FlameGaurd+® artificial foliage is a proprietary formulation and manufacturing process whereby the fire retardants are impregnated directly into the raw materials of the foliage resulting in an inherently fire retardant "IFR" product. FlameGaurd+® artificial foliage has been tested and complies with California Title 19, NFPA 701, U.S. Government SIN 4722-06 Flammability Code, CAN/ULC S109 Small Scale, Large Scale, EN 13501-1:2007+A1:2009, Class 1 BS 476: Part 7, Class 0 BS 476: Part 7 and Part 6, NF X 70-100 Toxicity, PSB PLS Class 2, and qualifies as a NFPA Class A or USBC Class 1 fire retardant material as tested by ASTM E84-95.

INTERIOR REPLICAPLANTS

Our experienced team will work with you to design and install plants that are the most appropriate for your specific project and interior location – from a small office design to large custom installations. All of our incredibly realistic-looking plants are precisely detailed in coloration and texture to produce accurate botanical representations.

A unique option offered by Commercial Silk Int'l is our trademarked FlameGaurd+® foliage. FlameGaurd+® is manufactured with fire protection integrated into the foliage during the manufacturing process and it will not wash or wear off over time.

When you want a live plant feel and appearance, without the maintenance and cost associated with live plants, turn to Turf & Vine. We're the first choice for the finest in interior Replica plants and trees.



CONTENTS

Projects	pages 1 – 11
Large Trees	pages 10 – 33
Plants and Bushes	page 34 – 47
Topiaries	pages 48 – 51
Vines and Grasses	page 52 – 57
Specialty Products	pages 58 – 65
New Products	page 66 – 69
Thermaleaf® Specification Guide	page 70 – 73

A SQUARED DESIGN

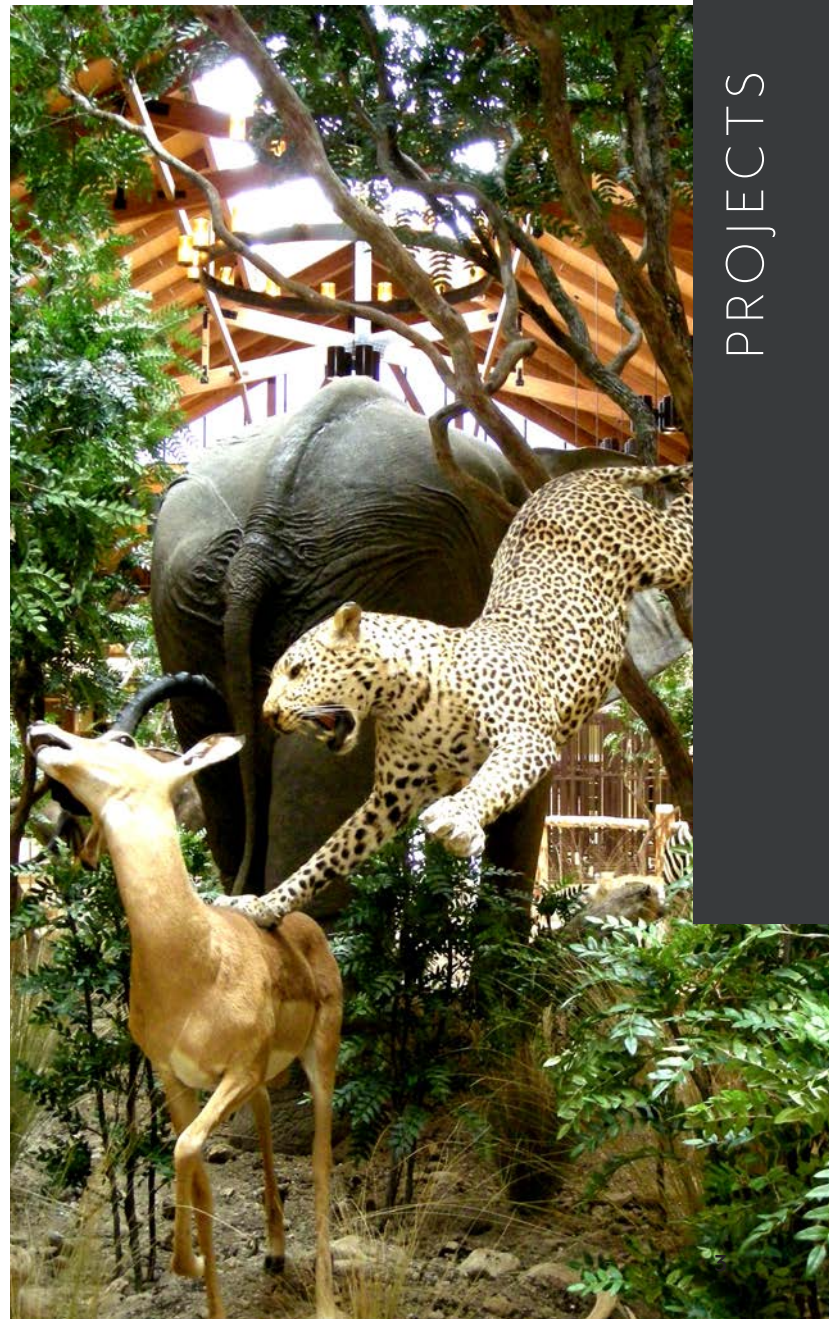
6756 NE 4th Avenue
Miami, FL 33138
+1 786 501 8808

asquareddesignstudio.com
@asquareddesignstudio.com



PROJECTS





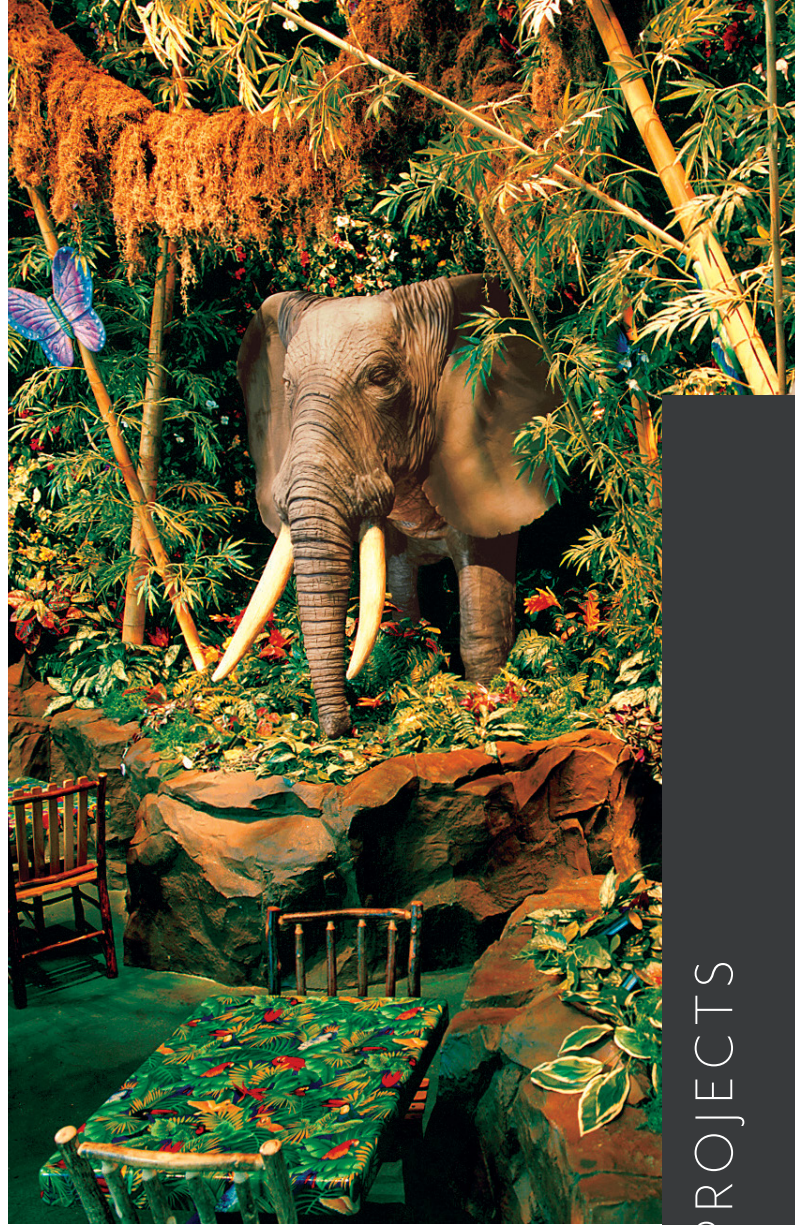
PROJECTS



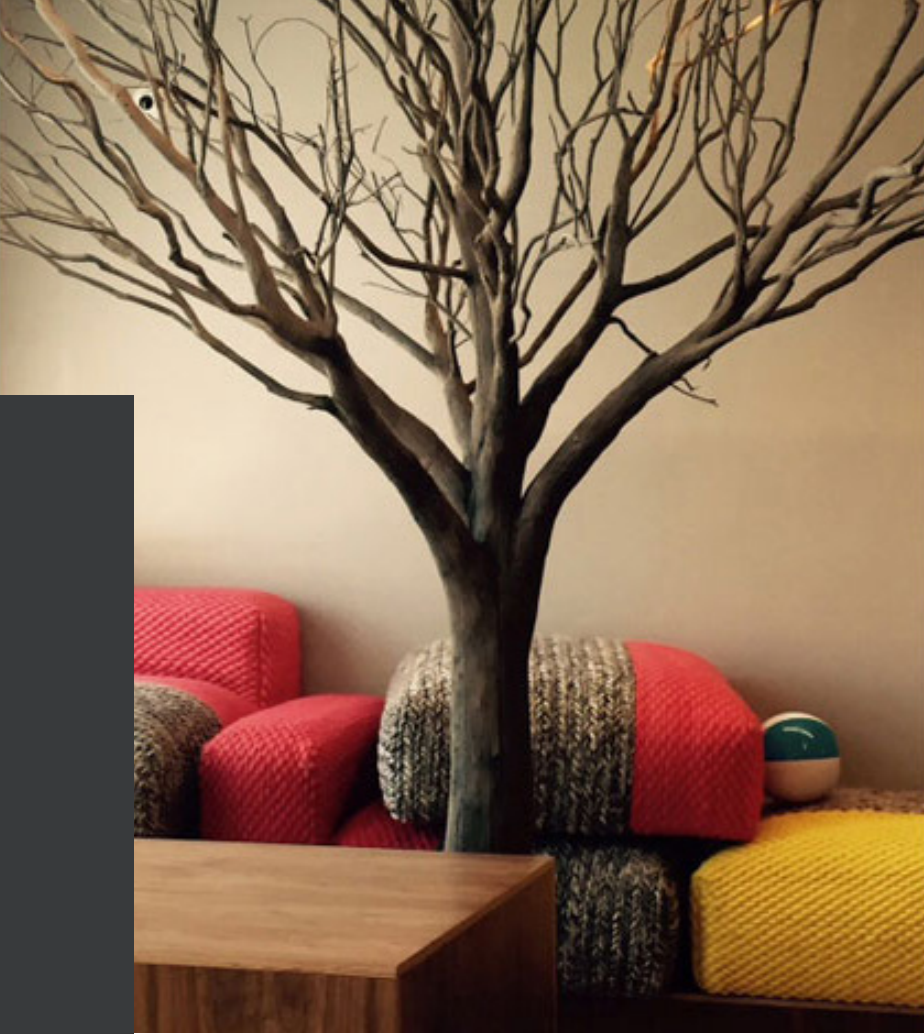


PROJECTS



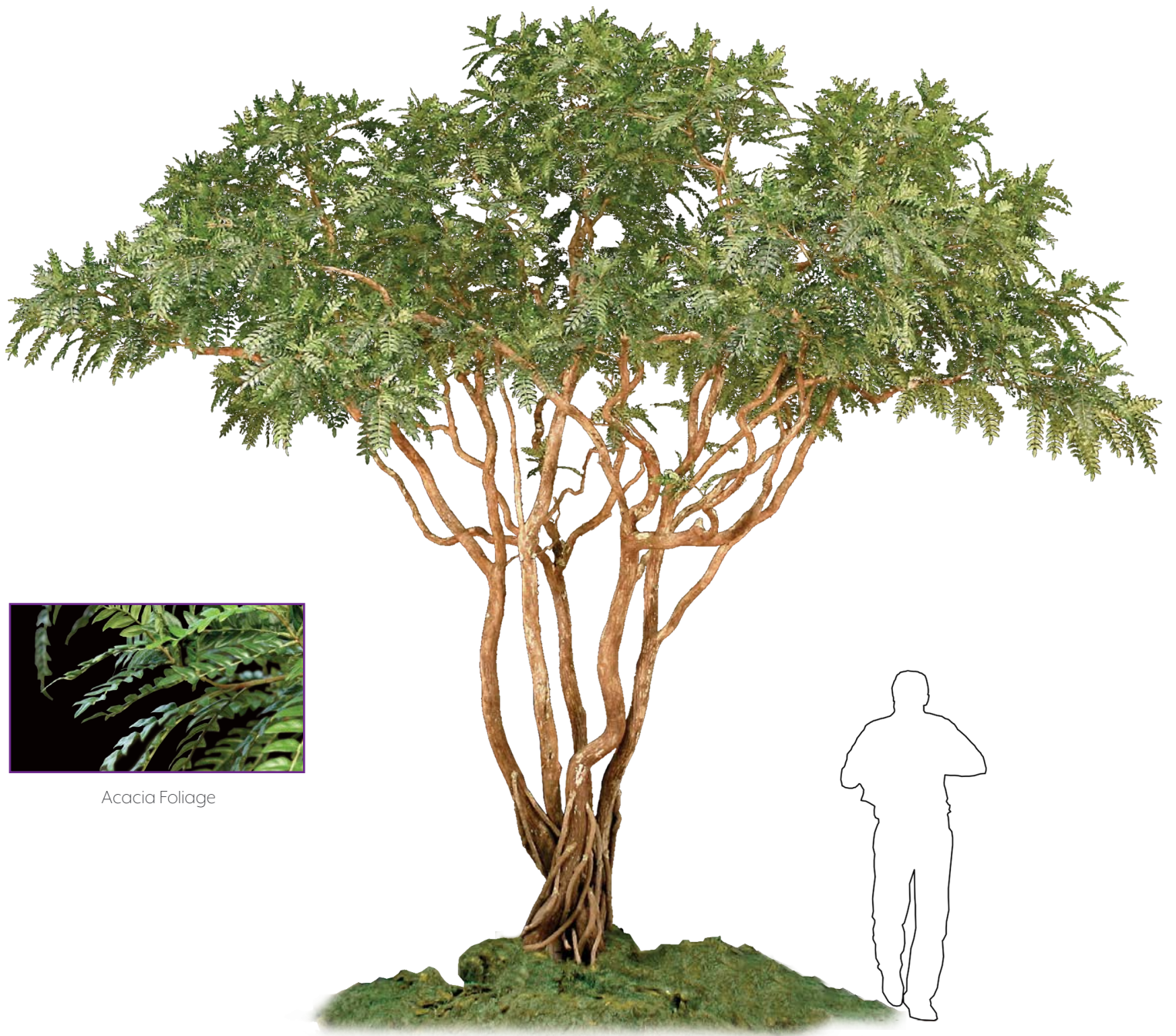


PROJECTS






PROJECTS

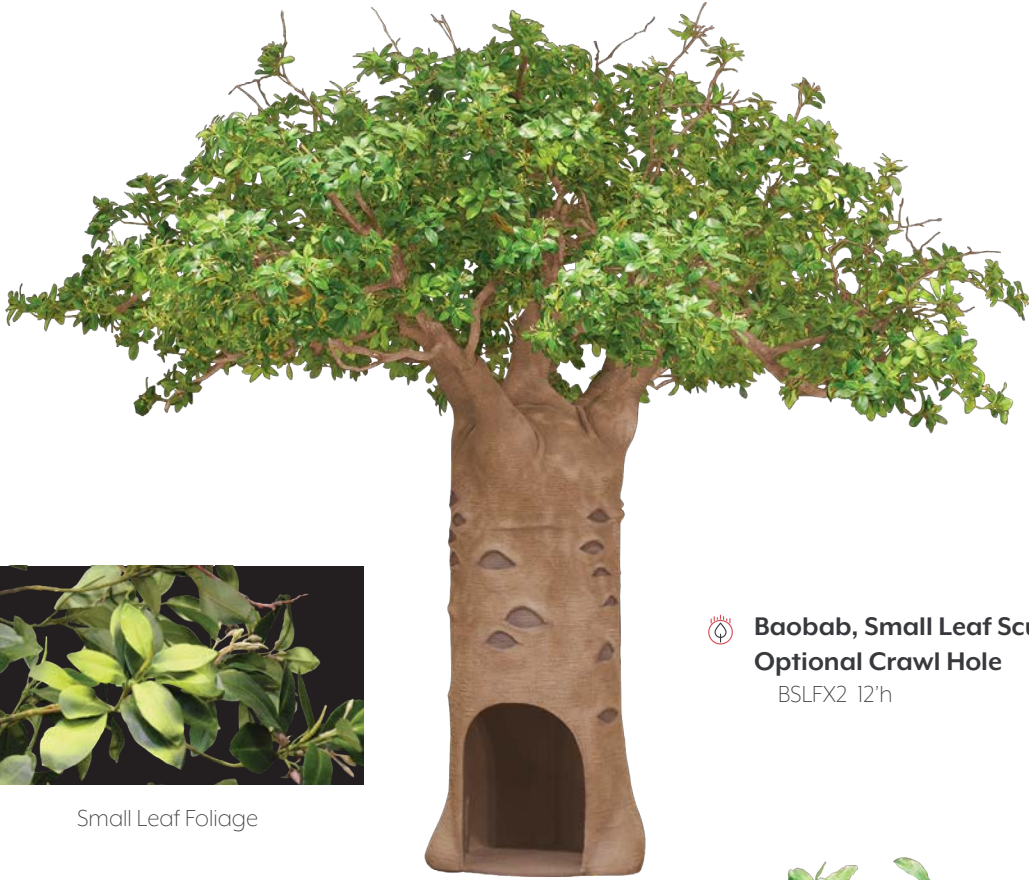


Acacia Foliage


 **Acacia**
ACAEX8 18'h



Acacia Trunk



Small Leaf Foliage

 **Baobab, Small Leaf Sculpted Trunk and Optional Crawl Hole**
BSLFX2 12'h




Large Leaf Foliage

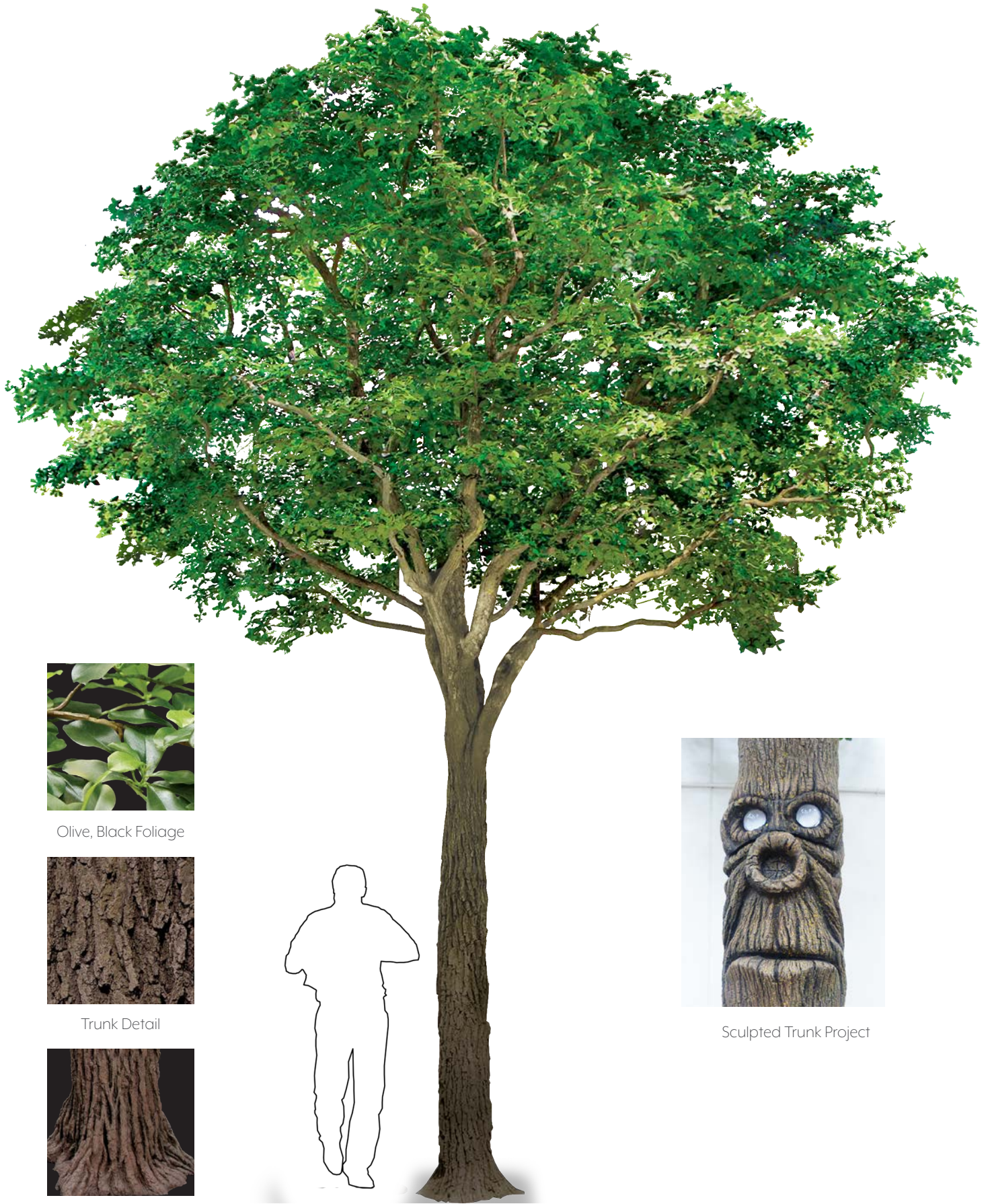


Trunk Detail



Live Baobab Tree

 **Baobab, Large Leaf Sculpted Trunk**
BLLFX2 12'h



Olive, Black Foliage



Trunk Detail



Optional Root Flare



Sculpted Trunk Project



Olive, Black Sculpted Trunk
BOOFY2-X8-12R 22'h



Olive, Mediterranean Foliage

 **Olive, Mediterranean**
OMDCX2 12'h




Olive, Black Foliage

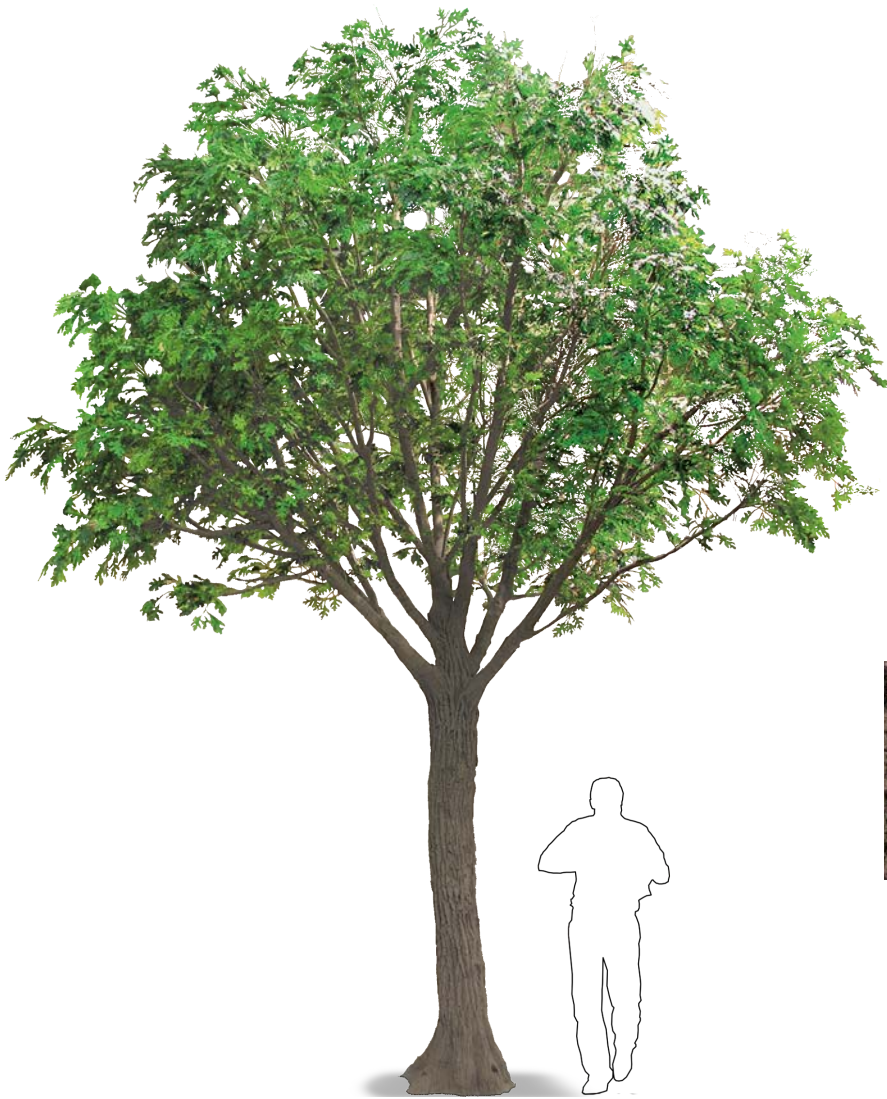


 **Olive, Black**
BOCMX6 16'h



Oak, White Foliage

 **Oak, White**
OKWCX6 16'h



Oak, Red Foliage



Trunk Detail



Trunk Detail



Oak, Red Sculpted Trunk

OKRFY0-X6-12R 20'h



Oak, Red Foliage



Oak, Red


OKRCX6 16'h





Green




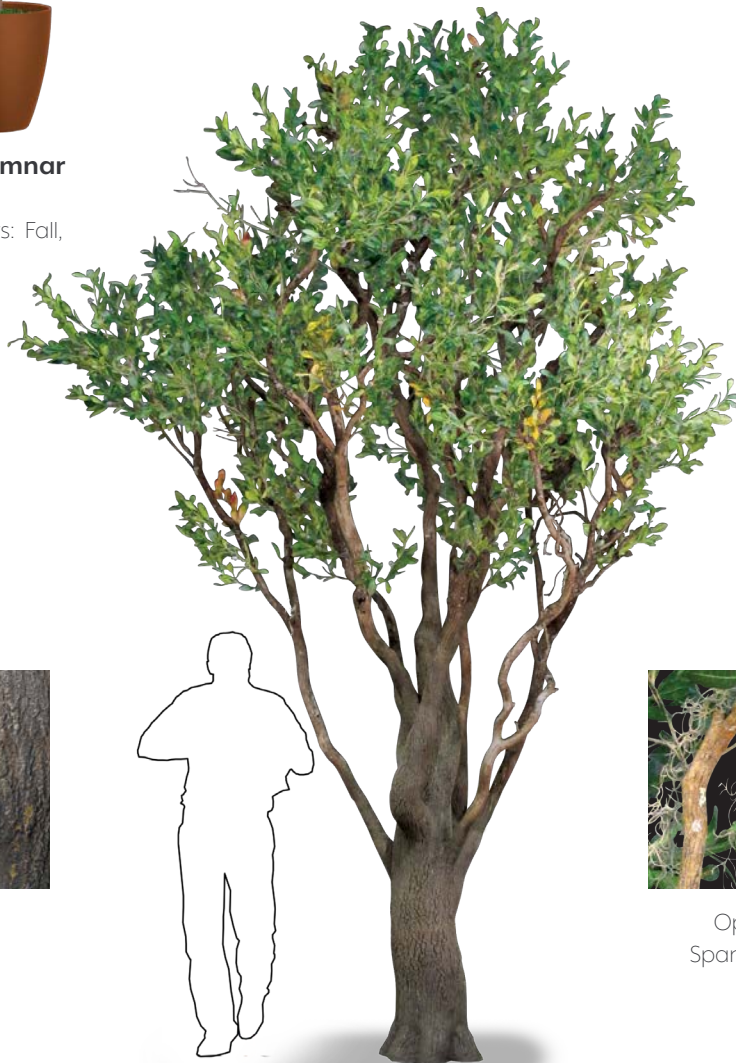
 **Oak, Live Columnar**
OKLCX4G 14'h
Available Colors: Fall,
Green



Fall



 **Oak, Live**
OKLTX4F 14'h
Available Colors: Fall,
Green

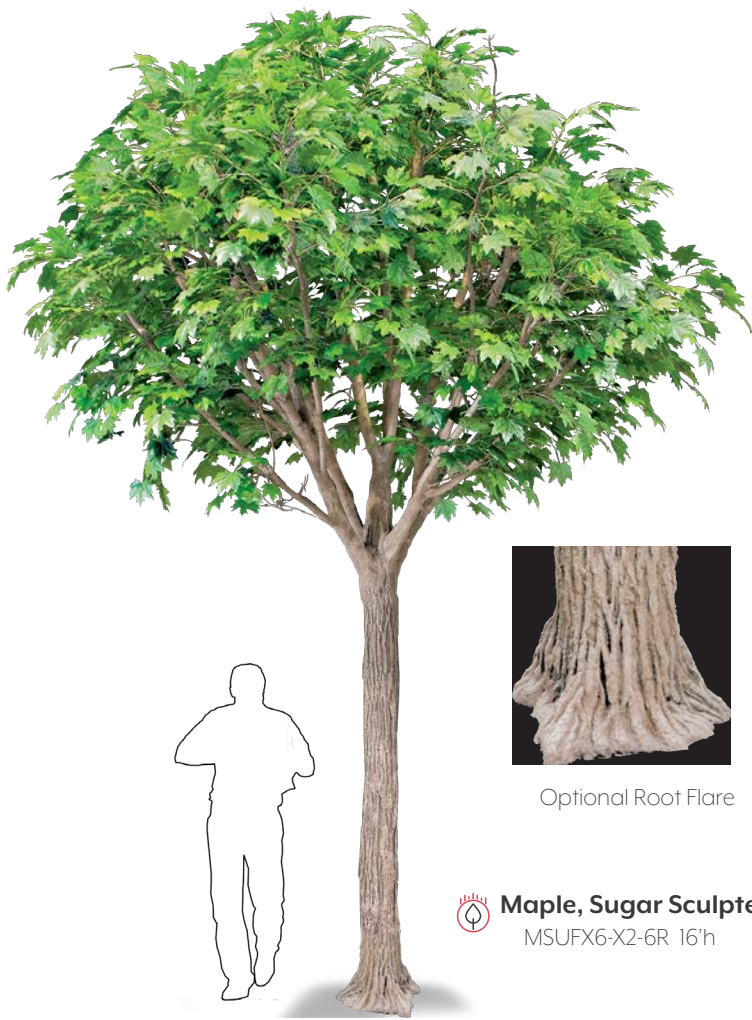


Trunk Detail



Optional
Spanish Moss

 **Oak, Live Sculpted Trunk**
OKLFX4G 14'h Available Colors: Fall, Green



16'h x 10'w



16'h x 12'w



Optional Root Flare



Trunk Detail



Maple, Sugar Foliage



Maple, Sugar Sculpted Trunk
MSUFX6-X2-6R 16'h



Maple, Fall Foliage



Maple, Fall
12'h



Maple, Sugar Foliage



Maple, Sugar
MSCMX6 16'h



Cherry, Canada Red Foliage



Cherry, Canada Red
RCCMX2 12'h



Banyan Foliage



Banyan
BNYMX8 18'h



Ironwood Foliage



 **Ironwood**
IRWMX2 12'h



 **Magnolia**
MAGMX4 14'h



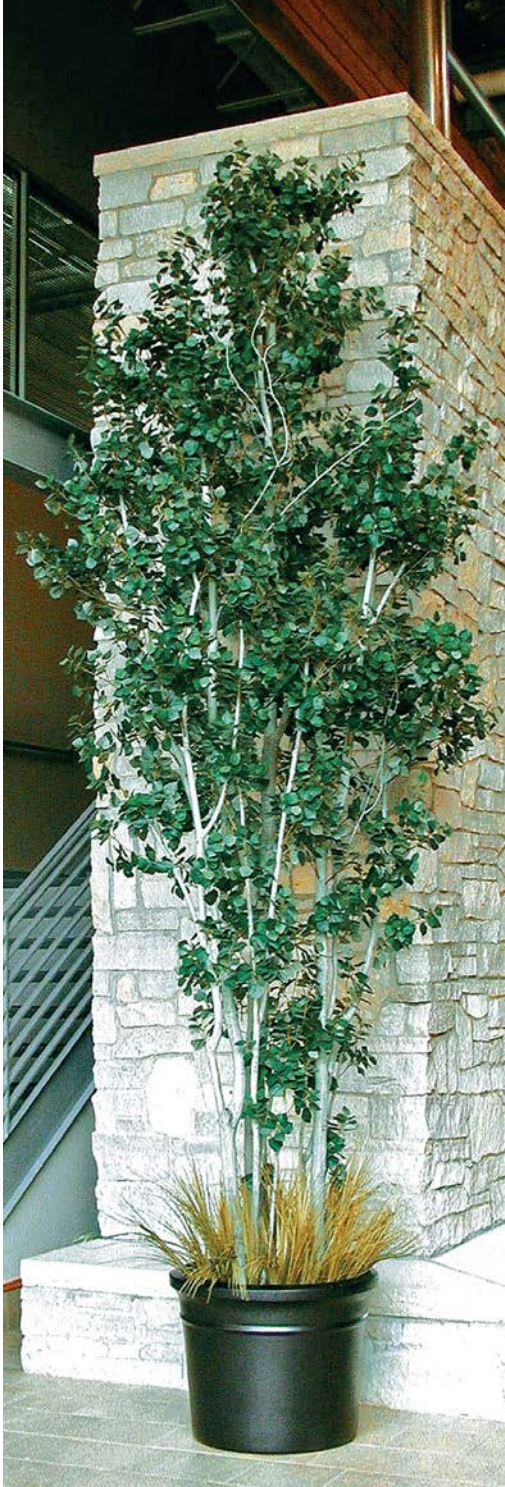
Magnolia Foliage




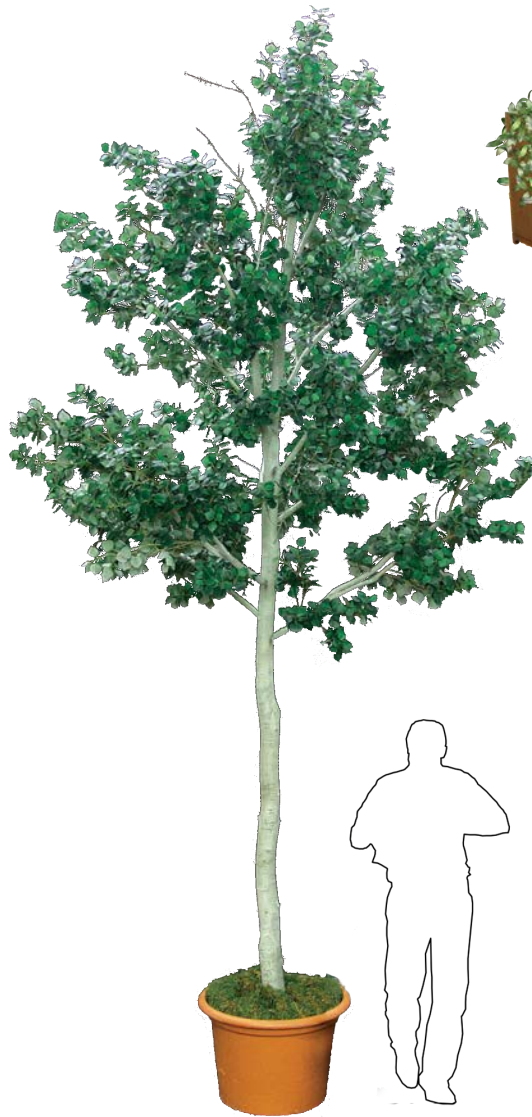
Locust Foliage




 **Locust**
LOCCX4 14'h



 **Aspen Multi Stem**
ASPMX6 16'h
Available Colors: Green, Yellow Fall



 **Aspen Single Stem**
ASPIX6 16'h
Available Colors: Green, Yellow Fall



Green



Yellow Fall



Green



Fall



Chestnut

CHEMX4 Green 14'h
Available Colors: Green, Fall



Birch, Paper Foliage



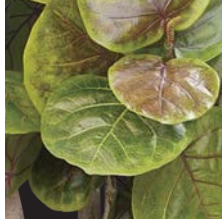
Birch, Winter
PBWMO 10'h



Birch, Paper
PBCMX2 12'h



Autumn



Green



Sea Grape Columnar

SEACX6 16'h

Available Colors: Autumn,
Green



Sea Grape

SEAMX2 12'h

Available Colors: Autumn,
Green



Mangrove Foliage



Mangrove

MANMX4 14'h



Willow, Weeping Foliage

 **Willow, Weeping**
WPWCX2 12'h



 **Heliconia**
HELXC0 10'h



Schefflera Foliage

 **Schefflera**
SCCMX0 10'h



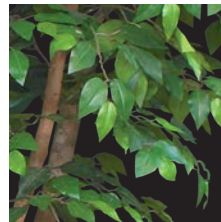


Ficus, Hawaiian Foliage

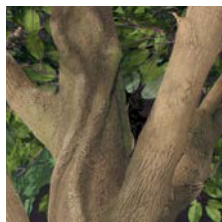


Ficus, Hawaiian

FHCMY0 20'h



Ficus, Benjamina Foliage



Trunk Detail



Optional Root Flare




Ficus, Benjamina Sculpted Trunk

FICFX8-X3-AR 18'h




Ficus, Alii Foliage



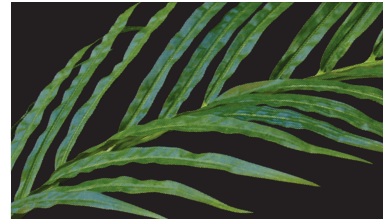
 **Ficus, Alii**
FACMX2 12'h




 **Ficus, Benjamina**
FBCMX0 10'h




Ficus, Benjamina Foliage



Palm, Areca Foliage

 **Palm, Areca**
APCMX0 10'h



 **Palm, Butterfly**
BUTCX0 10'h



Palm, Giant Kentia Foliage

 **Palm, Giant Kentia**
PKNCX0 10'h



 **Palm, Fishtail**
FPCMX0 10'h



Palm, Fishtail Foliage



 **Palm, Giant Fishtail**
FPGIX6 16'h



Spruce, Colorado Foliage



Spruce, Norway Foliage



 **Spruce, Norway**
SPNIX2 12'h

 **Spruce, Colorado**
SPCIX2 12'h




 **Cedar**
CEDIX2 12'h



Cedar Foliage



 **Pine, Scotch**
PTCIX6 16'h



Pine, Scotch Foliage




Pine, Long Needle Foliage



 **Pine, Long Needle**
PLNIX4 14'h



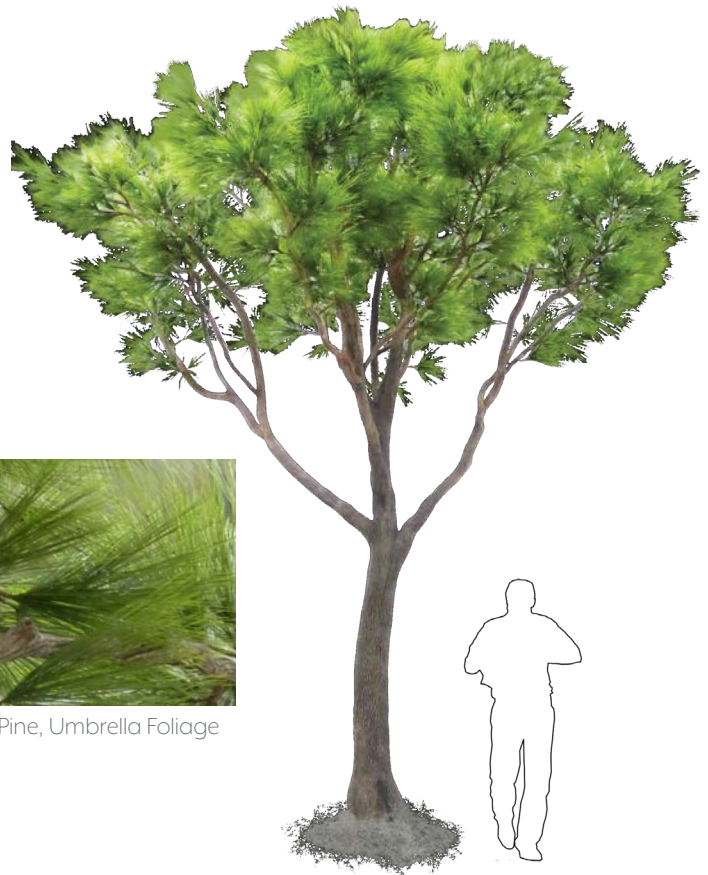
 **Pine, White**
PWHIX4 14'h



Pine, White Foliage

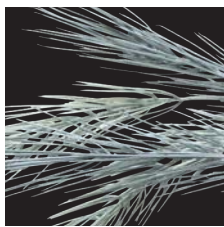


Pine, Umbrella Foliage



 **Pine, Umbrella**
PUBFX8X16-9 18'h

LARGE TREES



Smokey Blue



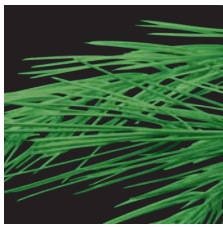
Sequoia Foliage



**Pine, Limber
Sculpted Stem**

PLBFX4B+ 14'h

Available Colors: Smokey Blue,
Tea Green



Tea Green



Pine, Limber

PLBIX2G+ 12'h

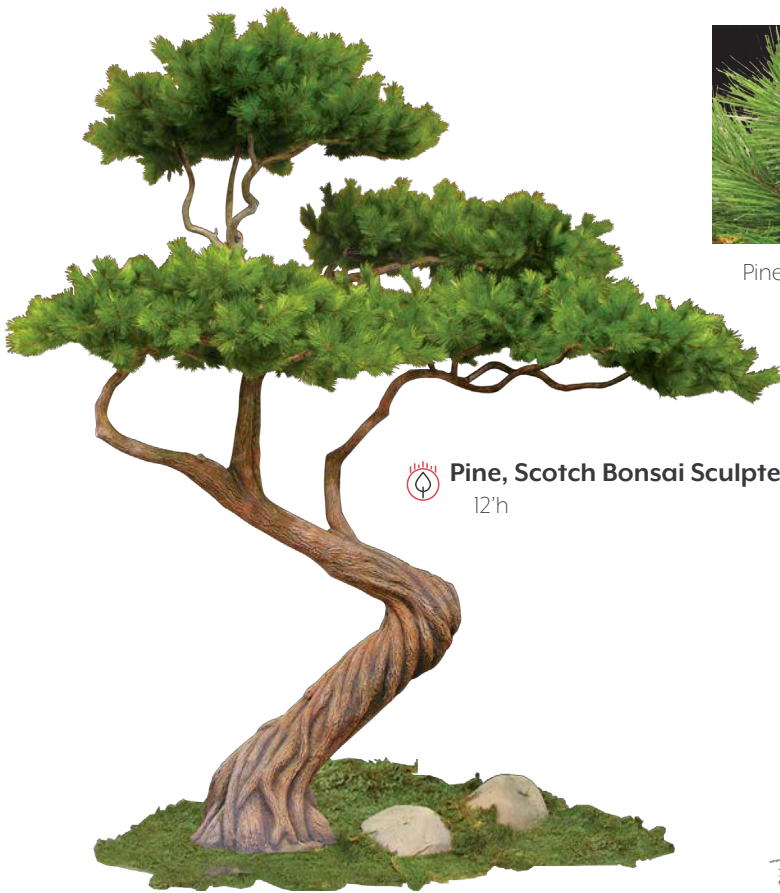
Available Colors: Smokey Blue, Tea
Green




Sequoia

SEQIX6 16'h

SEQ160 5'h



 **Pine, Scotch Bonsai Sculpted Trunk**
12'h



Pine, Scotch Foliage



Trunk Detail



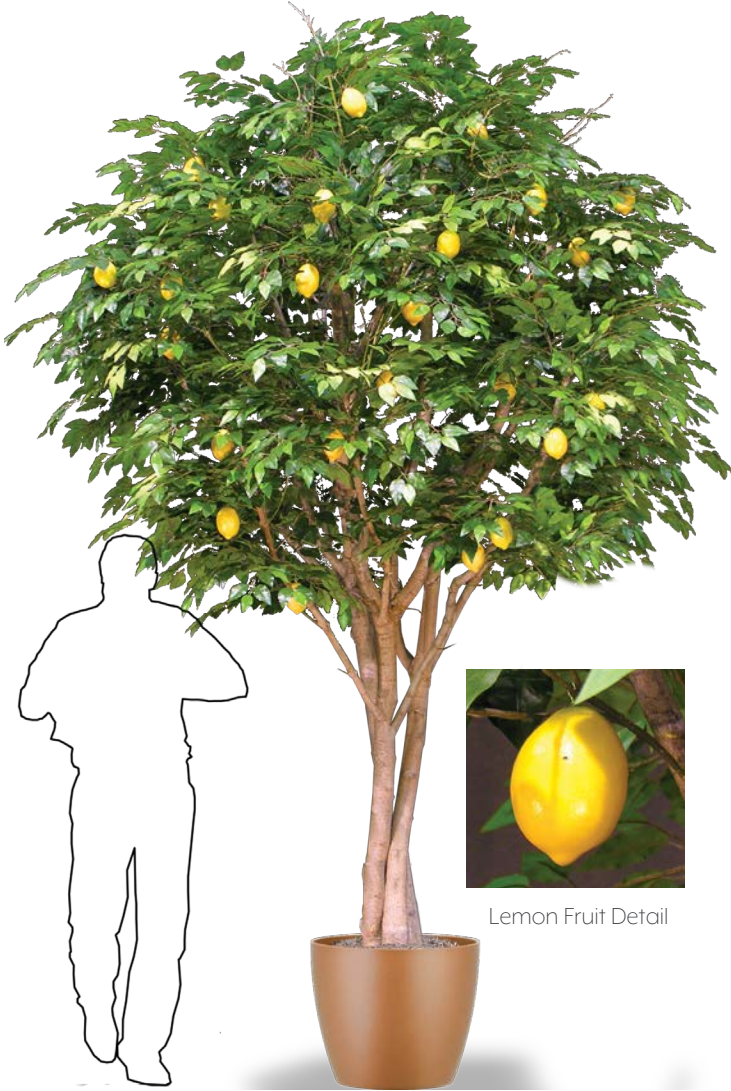
Cypress, Weeping Foliage

 **Cypress, Weeping**
CYWMX2 12'h



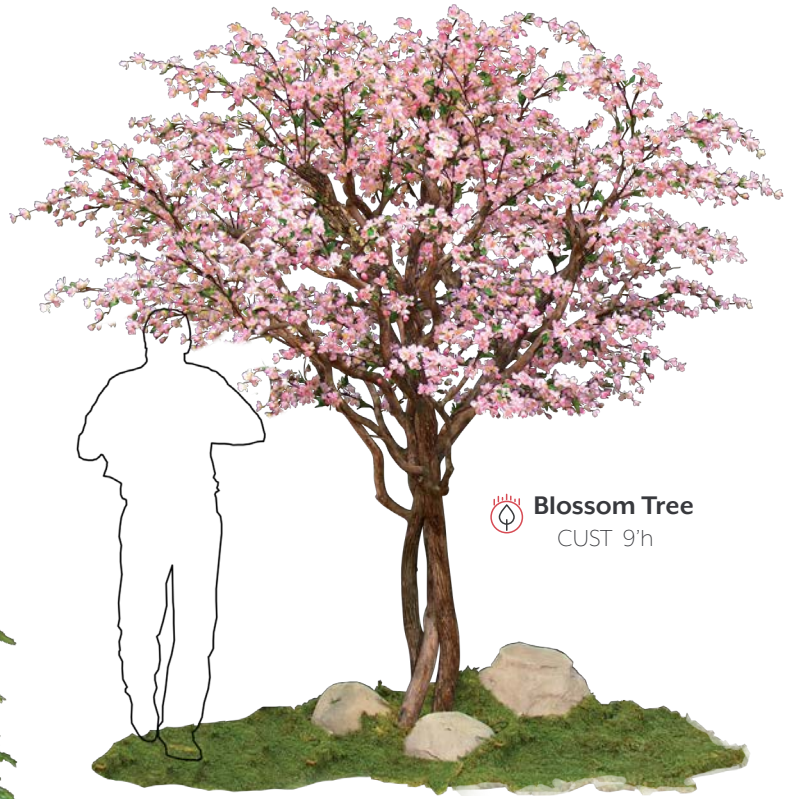
Pine, Rocky Mountain Foliage

 **Pine, Rocky Mountain**
PRM1X8 18'h



Lemon Fruit Detail

 **Fruit Tree, Lemon**
FRTMX0 10'h



 **Blossom Tree**
CUST 9'h



Apple Fruit Detail

 **Fruit Tree, Apple**
FRTMX4 14'h



ZZ Foliage



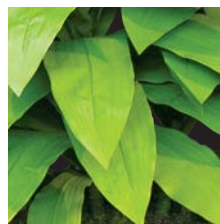
Privet, Italian Cypress Foliage



 **ZZ**
ZZZMX2 12'h



Green



Limelight

 **Janet Craig Columnar**
JCCCX6 16'h
Available Colors:
Green/Limelight Mix as shown,
Green, Limelight



 **Privet, Italian Cypress Style**
PRCIX0 10'h




Bamboo, Oriental Foliage



Natural Bamboo



Stained Green Bamboo


 **Bamboo, Oriental**
BBCMX2 12'h

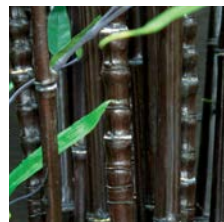


Bamboo, Whisper Foliage




Green Stem Detail

 **Bamboo, Whisper**
BBWSX4B 14'h
Standard Full




Ebony Brown Stem Detail




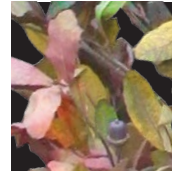
 **Bamboo, Whisper**
BBWCX4B 14'h
Commercial Full



 **Oak, White**
OKWC72 6'h



 **Oak, Live Bush**
OKLB72G 6'h left OKLB48F 4'h right
Available Colors: Fall, Green




Fall




Green




 **Oak, Live Bush**
OKL320G 20"h left
OKL627F 27"h right
Available Colors: Fall, Green



 **Oak, Live Tree**
OKLT96 8'h
Available Colors: Fall, Green




 **Birch, Winter**
PBWMX0 10'h



 **Birch, Paper**
PBCM72 6'h



 **Aspen Multi Stem**
ASPM24Y 24"h left
ASPM72 6'h right
Available Colors: Green, Yellow Fall




 **Ironwood**
IRWC72 6'h




 **Mesquite**
MESE72 6'h




 **Arboricola Bush**
ARB542 42”h



 **Arboricola Tree**
ATCE72 6’h



 **Chestnut Bush**
CHEB60 5’h
Available Colors: Green, Fall



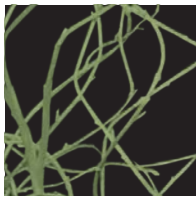
Green



Fall




With Foliage



Without Foliage

 **Palo Verde Tree**
PVDW96F 8’h




 **Palo Verde Bush**
PVD236 36”h



 **Capensia**
CACM72 6’h



 **Olive, Black Oriental Exotic**
BOOE72 6’h




 **Olive, Mediterranean Exotic**
OMDE72 6’h




 **ZZ Tree**
ZZZM72 6'h



 **Sea Grape Bush, Tree**
SEA948 4'h left
SEAM84 7'h center
SEA324 24"h right
Available Colors: Autumn, Green




 **ZZ Bush**
ZZZM48 48"h left
ZZZM30 30"h right



 **Aralia, Ming**
AMCE72 6'h




 **Mangrove Bush, Tree**
MAN424 24"h left
MANM72 6'h center
MANM36 36"h right




 **Marginata**
MACE60 5'h




 **Ficus, Benjamina Tree**
FIC272 6'h



 **Ficus, Benjamina Bush**
FBCB60 5'h




 **Ficus, Alii**
FACI72 6'h



Green



Variegated
Green/Cream

 **Laurel, Australian**
LAAB24V 24" h Bush left
LAA612 12" h Bush center
LAAT72 6' h Tree right
Available Colors: Green, Variegated Green/Cream




 **Privet Bush**
PRCM36 3'h




 **Treefern**
FET196 8'h



 **Corn Plant Cane, Bush**
CPC472 6'h left
CPB336 3'h right



 **Sumac Tree, Bush**
SUM172 6'h left SUMM18 18"h center
SUMM30 3'h right




 **Heliconia**
HELC60 5'h



 **Palm, Rhapsis**
PRA996 8'h



 **Palm, Kentia**
PKNM72 6'h




 **Palm, Golden Areca**
PGAM72 6'h



 **Palm, Fishtail**
FPCM72 6'h



 **Palm, Neanthe Bella**
NPL228 28" h




 **Palm, Sago**
PSG272 6'h



 **Palm, Sago**
PSG124 2'h



 **Palm, Bamboo**
BPC60N 5'h



Bamboo, Whisper Foliage



Green Stem Detail



Ebony Brown Stem Detail



Bamboo, Whisper

BBWS96G 8'h Standard Full



Bamboo, Whisper

BBWC96G 8'h Commercial Full



Bamboo, Oriental Foliage



Natural Bamboo



Stained Green Bamboo



Bamboo, Oriental
BBCM72 6'h



Bamboo, Wild

BBWM84 7'h



Cherry Blossom

DCBM72CB 6'h

Available Colors: Cherry Blossom,
Pink White, Yellow



Cherry Blossom



Pink White



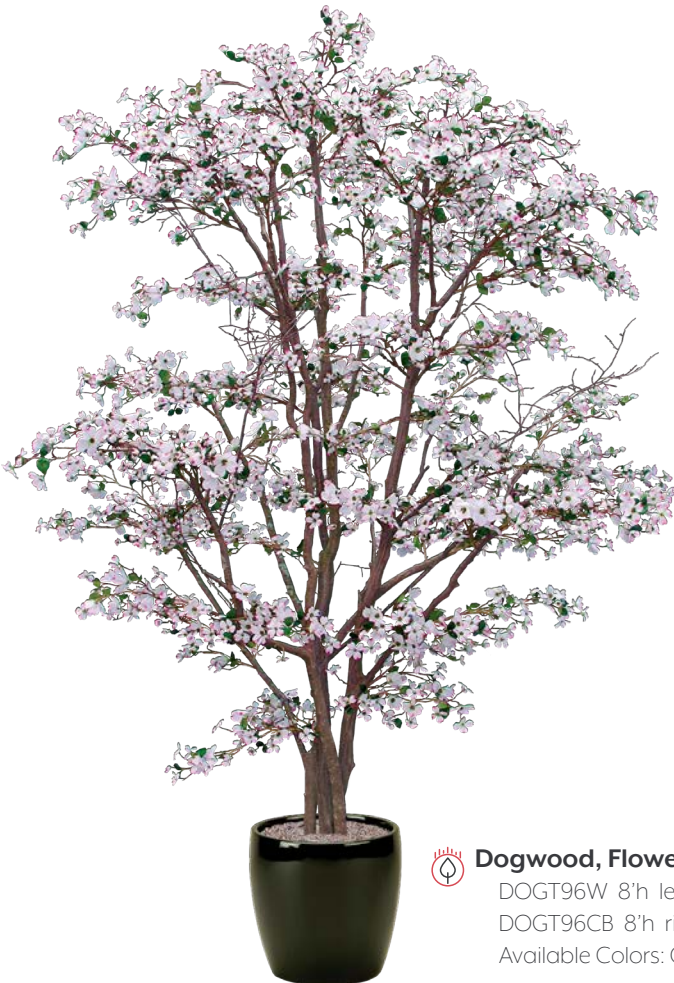
Yellow



Dogwood, Flowering Bush

DOGB48 4'h

Available Colors: Cherry Blossom,
Pink White, Yellow



Dogwood, Flowering Tree

DOGT96W 8'h left

DOGT96CB 8'h right

Available Colors: Cherry Blossom, Pink White, Yellow





Pink



Red



Tangerine



Yellow



Hibiscus, Wild Tree

HIBW96 8'h

Available Colors: Pink, Red, Tangerine, Yellow



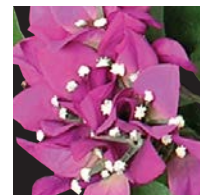
Bougainvillea Tree

BOUM84 7'h

Available Colors: Hot Pink, Orchid, Tangerine, Yellow



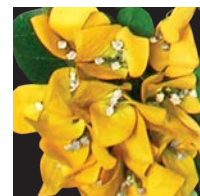
Hot Pink



Orchid



Tangerine




Yellow




Orange Fruit Detail

 **Fruit Tree, Orange**
FRTM72 6'h



 **Hibiscus Tree, Bush**
HIBM48 4'h left
HIBI72 6'h center
HIBM20 20"h right




 **Cherry Blossom, Mini Tree**
CBTM72LP 6'h




Cherry Blossom,
Mini Foliage




 **Cherry Blossom, Mini Bush**
CBBM60LP 5'h left
CBBM360LP 5'h right



 **Pine, Long Needle Bush, Tree**
PLN32 21" h left
PLN172 6" h right



 **Pine, Rocky Mountain Bush, Tree**
PRM815 15" h left
PRM172 6" h right



 **Pine, White**
PWH172 6" h



 **Spruce, Norway Bush, Tree**
SPN724 2" h left
SPN172 6" h right




 **Pine, Scotch**
PTC172 6" h



 **Pine, Mugho**
MUG524 2" h




 **Spruce, Colorado**
SPC172 6" h



 **Juniper, Western**
JUNW60 5'h




 **Pine, Limber**
PLBI72B+ 6'h




 **Cypress, Weeping**
CYWM72 6'h



 **Sequoia, Ancient**
SEQA60 5'h



 **Sequoia Bush**
SEQB18 18"h left
SEQB48 4'h right




 **Sequoia Tree**
SEQI60 5'h



 **Croton**
CRO223 2'h
CRO348 4'h



 **Chinese Evergreen, Silver Queen**
CES112 1'h left CEL326 26"h center

 **Chinese Evergreen, Maria**
CEL226M 26"h right



 **Peace Lily, Giant**
PLG236 3'h




 **Peace Lily**
PLS212 12"h left
PLL328 28h" right



 **Janet Craig**
JCC348 4'h left

 **Janet Craig, Limelight**
JCC232L 3'h right



 **Split Leaf Philodendron Bush**
PSL248 48"h



Ivy, Needlepoint Swirl
 NPIS43 43"h left NPIS92 92"h center
 NPIS69 69"h right



Ivy, Needlepoint Cone
 NPIC84 7'h left
 NPIC72 6'h right
 Available Colors:
 Green shown, Variegated



Bayleaf Ball
 BL3B66 66"h



Moss, Giant Topiary Ball
 36"h



Privet Bush
 PRCM36 3'h center



Privet Hedge
 PRCH24 2'h left




Privet Cypress Style
 PRCC72 6'h right




 **Cedar Spiral**
CEDS60 5'h



 **Cedar Cypress Style**
CEDC60 5'h

 **Cedar Ball**
CED2B72 6'h left
CED1B36 36" h left
CED3B96 8'h right




 **Olive, Black Hedge**
BOCH36 3'h




 **Cedar Hedge**
CEDH36 36" h



 **Cedar Bush, Tree**
CEDM22 22" h left
CEDI72 6' h right




 **Boxwood Spiral**
BOXS60 5'h



 **Boxwood Cypress Style**
BOXC72 6'h




 **Boxwood Ball**
BOXB72 6'h




 **Boxwood Bush**
BOXM36 3'h




 **Boxwood Obelisk Trimmed**
BOXO72 6'h




 **Boxwood Hedge Trimmed**
BOXH36 3'h right




 **Olive, Mediterranean Ball**
OMDB33 33"h



 **Boxwood, Large Leaf Hedge**
 BOXLLH118+
 18" h x 8" w
 Single row
 Other sizes available.




 **Boxwood, Large Leaf Hedge**
 BOXLLH218+
 18" h x 12" w
 Double Row
 Other sizes available.



 **Boxwood, Large Leaf Hedge**
 BOXLLH125+
 25" h x 12" w
 Single Row
 Other sizes available.



 **Boxwood, Large Leaf Hedge**
 BOXLLH225+
 25" h x 15" w
 Double Row
 Other sizes available.




 **Juniper Square Column**
 JUNSC96 8'h



 **Grass, Pearl Square Column**
 GPESC96 8'h




 **Ivy, English Square Column**
 IVESC96 8'h



 **Boxwood Square Column**
 BOXSC96 8'h

Screens




 **Foliage Screens, Ceiling and Wall**

Shown with Ficus Hawaiian and Ficus Benjamina in a 4'h x 7'w section. Other varieties available.



Galvanized screen back




 **Boxwood Screen**
BOX4X7 4'h x 7'w



Galvanized screen back



 **Ivy, English Screen**
IVE4X7 4'h x 7'w



Galvanized screen back

Mat Rolls



 **Boxwood Mat Roll**
Custom sizes available.

A





B



C



- A  **Ivy, English Mat Roll**
- B  **Azalea Mat Mat Roll (Beauty)**
- C  **Azalea Mat Mat Roll (Pink)**

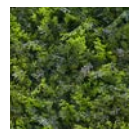
Wall Mat Rolls



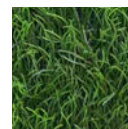
 **Ivy, English Wall Mat Roll**
Custom sizes available.

Wall Mat Variety Options

D






E



F




- D  **Juniper Wall Mat Roll**
- E  **Grass, Pearl Wall Mat Roll (Green)**
- F  **Grass, Pearl Wall Mat Roll (Light Green)**




 **Ivy, Algerian**
ALG224 24"h



 **Ivy, Algerian Variegated**
ALG24V 24"h





 **Sweet Bay**
SBA224 24"h



 **Ivy, Grape**
GRI15 15"h




 **Philodendron, Limelight**
PHI224L 24"h left

 **Philodendron**
PHI124 24"h right




 **Pothos**
POG124 12"h



 **Ivy, Needlepoint**
NPI210 10"h




 **Wandering Jew**
WAN224 24"h



 **Ivy, Lace Bush**
IVL110 10"h



 **Ivy, Lace Bush Variegated**
IVL110V 10"h



A B C D E F G



H I J K L M N

Matching Garlands


- A  Ivy, Algerian ALG172
- B  Ivy, Algerian Variegated ALG172V
- C  Wandering Jew WANI72
- D  Ivy, Needlepoint NPI172
- E  Ivy, Grape GRI172
- F  Sweet Bay SBA172
- G  Jasmine JAS172 Available
Colors: Salmon shown,
White

- H  Ivy, Lace IVL172G
- I  Ivy, Lace Variegated IVL172V
- J  Philodendron, Limelight PHII72L
- K  Philodendron PHII72
- L  Pothos POG172
- M  Moss, Spanish MSP#42N
- N  Split Leaf Philodendron
PSL#84



 **Fern, Forest**
FEF217 17" h




 **Fern, Asparagus**
FEA224 24" h




 **Ironwood Vine**
IWW412 12" h








 **Fern, Highland**
FHL316 16" h




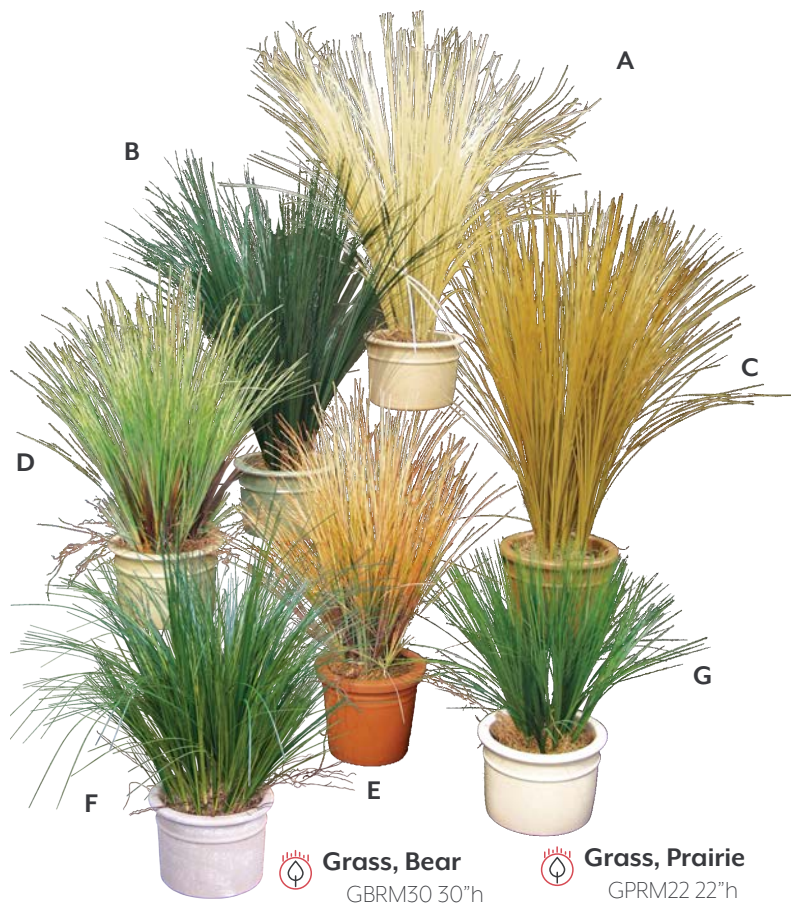
 **Jasmine**
JAS224 24" h left
JASI24 24" h right
Available Colors: Salmon, White




- A  **Arrowhead Vine ARH118 18" h**
- B  **Begonia, Rex REX121 21" h Available Colors: Purple/Purple, Silver/Purple**
- C  **Begonia, Rex REX221 21" h Available Colors: Purple/Purple, Silver/Purple**
- D  **Hosta HOS212 12" h**
- E  **Hosta, Moonglow HOS112MG 12" h**




 **Bamboo, Reed**
 BBRS27 27" h left
 BBRS52 52" h center
 BBRS36 36" h right



 **Grass, Bear**
 GBRM30 30" h
 Available Colors:
A Natural
B Green
C Olive


 **Grass, Prairie**
 GPRM22 22" h
 Available Colors:
D Spring
E Green
F Autumn

 **Grass, Onion**
 GONMI6 16" h
 Available Color:
G Mixed Green




 **Grass, Giant Prairie Single Stem**
 Available Colors: Natural, Green
A GPRI27 27" h
B GPRI36 3' h
C GPRI48 4' h
D GPRI60 5' h
E GPRI72 6' h




 **Grass, Giant Prairie Multi Stem**
 GPR360 5' h
 Available Colors: Natural, Green




 **Grass, Mondo**
 GMD132 32”h
 Available Colors: Green (left), Two
 Tone Green (right)




 **Grass, Pampas**
 GPP864 66”h
 Available Colors:
 Green (shown), Autumn



 **Grass, Fountain**
 GFN160 60”h
 Available Colors: Fall, Green,
 Spring Green




 **Grass, Savannah**
 GSV332 32”h
 Light Green




 **Grass, Foxtail**
 GFT155FL 55”h
 Available Colors:
 Autumn (shown),
 Light Green




 **Grass, Field**
 GFL126 Green 26”h left
 GFL226 Green 26”h center
 GFL426 Green 26”h right




 **Begonia**
 BEG15 15"h
 Available Colors: Rose,
 Cream White, Salmon




 **Bromeliad, Guzmania**
 BRG121 21"h left
 BRG321T 21"h right
 Available Colors:
 Burgundy, Red, Yellow





 **Hibiscus Bush**
 HIBM20 20"h
 Available Colors: Pink,
 Tangerine, Yellow, Red



 **Bougainvillea**
 BOU613 13"h
 Available Colors: Orchid shown,
 Yellow shown, Tangerine, Hot Pink




 **Bromeliad, Silver Vase**
 BSV121 21"h left
Bromeliad, Cherry
 BGC116 16"h top

 **Bromeliad, Flaming Sword**
 BFS125 25"h right
Bromeliad, Tricolor
 BTC112 12"h bottom




 **Gardenia**
 GARI18C 18"h
 Available Color: Cream White




 **Magnolia Bush**
 MAG333 33"h left
 MAG122 22"h right
 Available Colors: Cream White, Burgundy



 **Azalea**
 AZA117 17"h
 Available Colors: White,
 Beauty, Pink White




 **Mum, Daisy**
 DAI118 18"h
 Available Colors: Beauty,
 Gold Yellow, White



 **Divi Divi**
6'h




 **Bonsai, Acacia**
6'h




 **Willow, Curly**
6'h



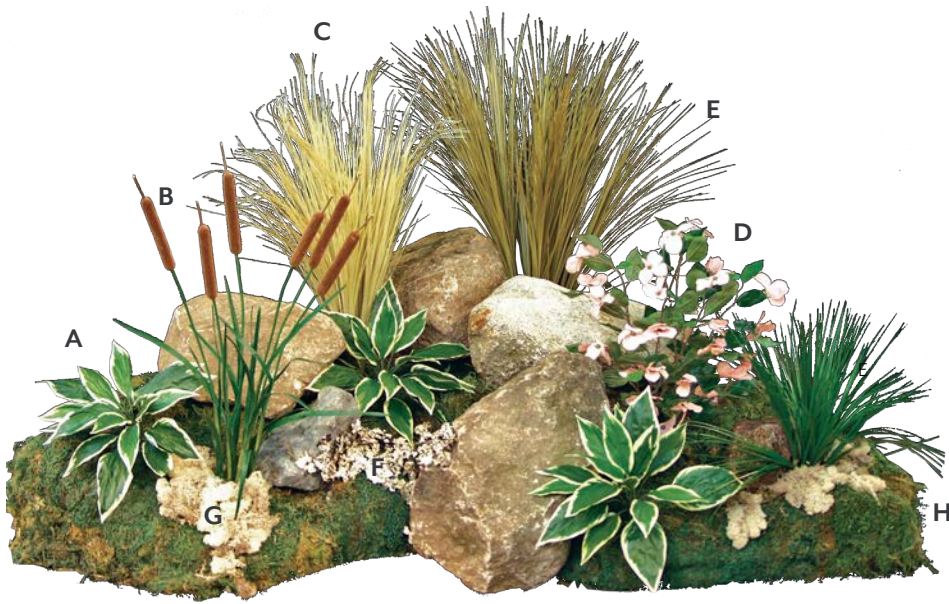
 **Bamboo, Oriental Grove**
12'h



 **Bonsai, Azalea**
24" h



 **Autumn Tree Display**
8'h



 **Wilderness Group**

- | | |
|------------------------------------|----------------------------------|
| A Hosta HOS112 | E Grass, Onion GONM16 |
| B Cattails CAT636 | F Lichen LIC108 |
| C Grass, Bear GBRM30 | G Moss, Reindeer RDMI08 |
| D Dogwood, Flowering DOGM24 | H Moss Cloth, Natural MCW |



 **Wilderness Display**



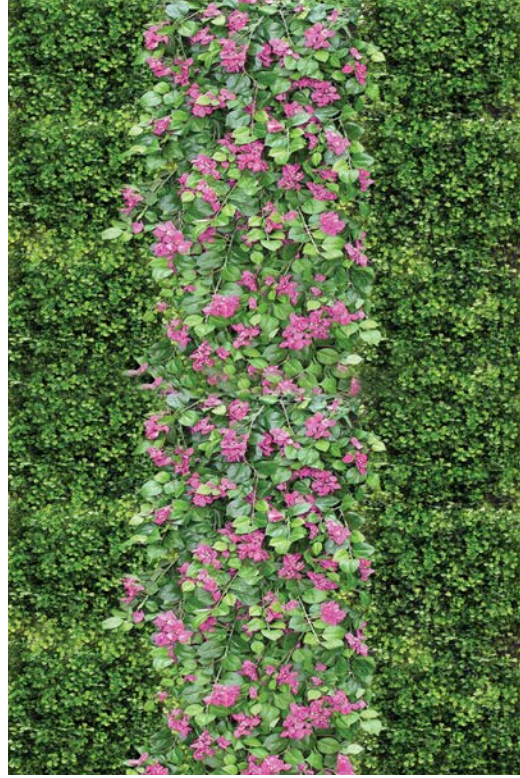
 **Banyan, Giant**



 **Boxwood Ball**



 **Ledge Planting**
Other varieties available.



 Green Wall Plant Panels


SPECIALTY PRODUCTS



 **Stump, Tree**

STPF0615 (6" h x 15" td x 24" bd as shown left)
 STPF1810 (18" h x 10" td x 24" bd as shown center)
 STPF1210 (12" h x 10" td x 15" bd as shown right)



 **Stump, Broken Top Tree**

STPF25BT
 25" h x 10" td x 24" bd



 **Stump, Giant Tree**

OKRU4232S
 42" h x 32" td x 48" bd



 **Stump, Table**

OKRU4248T
 42" h x 48" td x 48" bd

 **Stump, Doghouse**

OKRU4232D
 42" h x 32" td x 48" bd
 1 Opening 32" h x 21" w
 Optional Custom Sig-




 **Stump, Crawl Through**


OKRU4232C
 42" h x 32" td x 48" bd
 2 Openings 32" h x 21" w






 **Bark, Conifer**
CNFB352IP
35" h x 21" w appx.




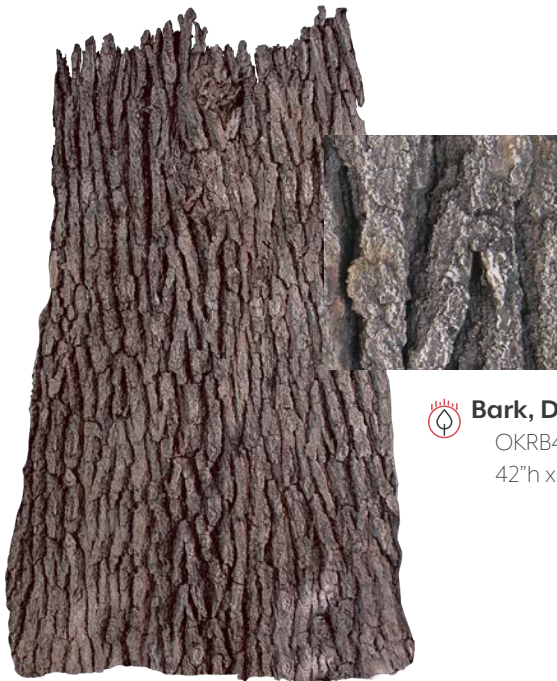
 **Structural Column Clad with Artificial Tree Bark**




 **Structural Column Clad with Artificial Tree Bark**




 **Bark, Medium Texture**
OKRB362IM
36" h x 21" w appx.



 **Bark, Deep Texture**
OKRB4229D
42" h x 29" w appx.



 **Custom Tree Trunks Clad with Artificial Tree Bark**




Natural Bamboo




Stained Black Bamboo



Stained Green Bamboo

 **Grass, Prairie Custom Display with Stained Bamboo Stems**




 **Log, Tree**
LOGF366
36"L x 6"dia




 **Log, Tree**
LOGF186
18"L x 6"dia



 **Log, Tree**
LOGF226BT
22"L x 6"dia



 **Log, Broken Tree**
LOGF406BT
40"L x 6"dia



Cedar Logs, Natural



Birch Stems, Red



Birch Poles, Natural



Birch Logs, Natural






 **Palm, Curved Coconut**
Preserved 18'

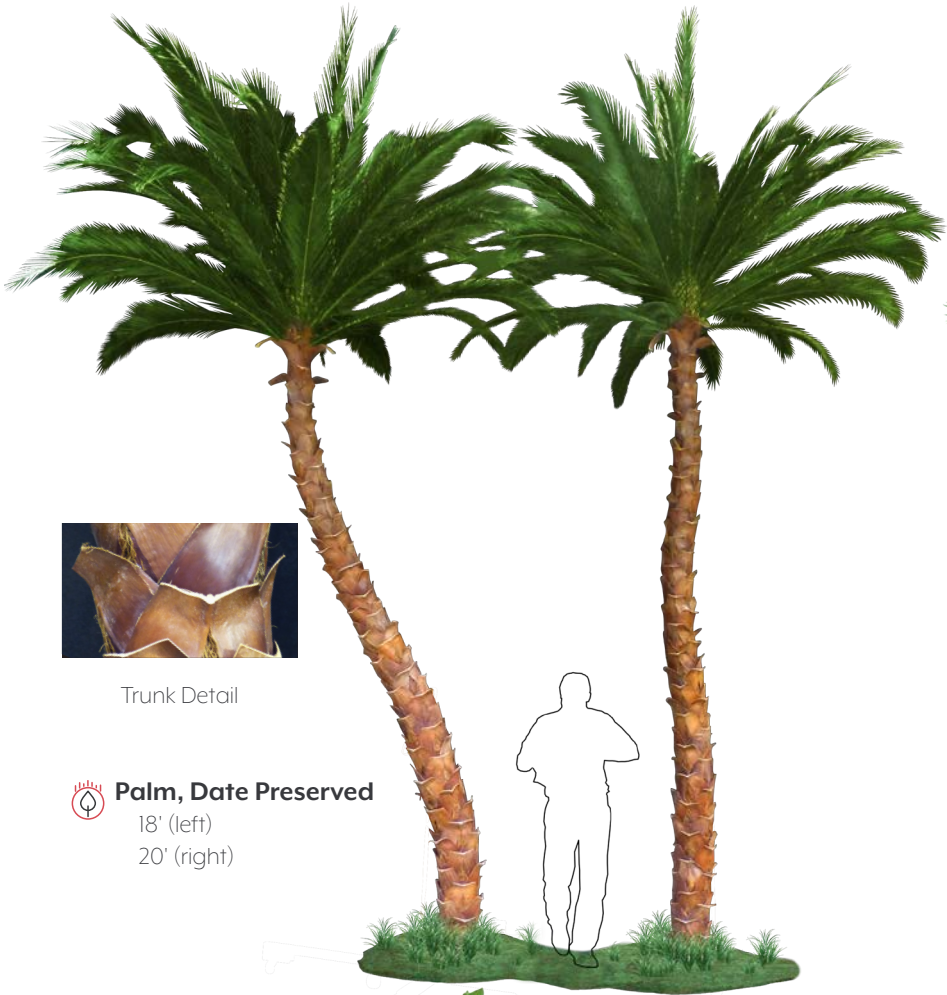


 **Palm, European Fan Preserved** 8'



 **Palm, Phoenix**
12' (left)
14' (right)






Trunk Detail

 **Palm, Date Preserved**
18' (left)
20' (right)



 **Palm, Fan Preserved 20'**



 **Sweet Gum,**
10' (left)
6' (center)
5' (right)



PSPI48 4'h



PSPI72 6'h



PSPI96 8'h



PSPIX0 10'h

 **Palm, Sago Preserved**



Moss, Spanish
MSP#12MG
Gray



Moss, Spanish
MSP#12MGB
Green/Brown



 **Palm, Bottle Preserved 16'**



 **Palm, Royal Preserved 19'**




 **Palm, Kentia**
PKN2X5 15' & 12'



 **Palm, Areca**
APA2X5



 **Palm, Banana**
BAN2X5



 **Palm, Fishtail**
FPA2X5



 **Fig, Fiddle Leaf Bush**
2' h




 **Fig, Fiddle Leaf Bush**
3' h




 **Fig, Fiddle Leaf Bush**
4' h



 **Fig, Fiddle Leaf Tree**
5' h



 **Fig, Fiddle Leaf Tree**
6' h



 **Fig, Fiddle Leaf Tree**
10' h

O V E R V I E W

What is FlameGaurd+® Foliage

Foliage that is created through a process by which fire retardant chemicals are impregnated into the materials during the manufacturing process. These chemicals are blended with the fabric as well as the plastic or PVC parts at the time the materials are injected into the mold. Resulting in an inherently fire retardant (IFR) product

What is NOT FlameGaurd+® Foliage

Foliage treated by spraying or dipping it in topical fire retardant chemicals. This process of fire retarding is not done during the injection of the material into the mold. Rather, this is done as an after-market application. This method often leaves a spotty or discolored film that can degrade the foliage giving it a wilted look. The tacky surface film that is left on the foliage can attract dust and can wash or wear off easily, requiring expensive re-application of the chemical. The level of protection provided by this topical chemical is often very inconsistent and inadequate for meeting fire codes. This is why the process of impregnating chemicals directly into the materials during manufacturing presents a superior result that is often preferred over other methods, such as this topical application.








B E N E F I T S O F F l a m e G a u r d + ® F O L I A G E

FlameGaurd+® Foliage	Other Fire Retardant Applications
Chemicals impregnated into the materials during manufacturing	Treated by spraying or dipping it in topical fire retardant chemicals
Will not wash or wear off	May wash or wear off and requires periodic reapplication
Consistent fire protection NFPA 701 •NFPA 705 ASTM E84-95 Class A California Title 19 US Gov SIN 4722-06 BS476: Part 7, Part 6 Class 0 NF X 70-100-1: 2006 CAN/ULC S109 Small Scale, Large Scale EN 13501-1:2007+A1:2009	Inconsistent fire protection May degrade materials, resulting in a wilted appearance Tacky surface film attracts dust Appearance may have a spotty or discolored film

TEST METHODS

Fire Test Methods

All foliages should be tested against each of the following standard test methods and should hold a Class "A" rating as determined by the National Fire Protection Agency NFPA.

Test	Pre-Conditioning	Ignition Minutes or Seconds	Smoke Density	Criteria			ThermaLeaf® Foliage Rating
				After Flame	Flame Spread	Flaming Driplets	
 California Title 19 Tests: After Flame State Certified	Room temperature / Average humidity for at least 10 days	12 sec. in a chamber	N/A	10 sec. Max	None is allowed	Driplets must self-extinguish when hitting chamber floor	Registered Flame Resistant Product
 US Gov SIN 4722-06 Tests: After Flame Government Test	Soaking in water for 2-3 hours	12 sec. in a chamber	N/A	15-18 sec. max	N/A	None allowed	Pass
 ASTM E84-95 Class A similar to UL 723 Tests: Smoke Density & Flame Spread Strictly Measurements, not pass/fail	Room temperature / Average humidity	10 min. in Stiner tunnel	Goal: To measure under 450	N/A	To be considered "Class A", a rating between 0-25 must be achieved	N/A	Classified as "Class A"
 NFPA 701 1989 Small Scale Tests: After Flame & Char Length	Oven dried at 140-150 degrees for 90 minutes	12 sec. in a chamber	N/A	2 sec. Max	3.5"-6.5" max char length	Driplets must extinguish when hitting chamber floor	Pass
NFPA 701 1996 & 1999 Small Scale Tests: After Flame & Weight Loss	Oven dried at 105 degrees for 30 minutes	45 sec. in a chamber	N/A	2 sec. Max	N/A flame spread, but no more than 40% weight loss	Driplets must extinguish no more than 2 sec. after hitting chamber floor	Pass
NFPA 705 1997 Field Flame Test Tests: After Flame & Flame Spread	None	Field tested in draft free area with wooden match or equivalent for 12 sec.	N/A	2 sec. Max	4" max char length	Driplets must self-extinguish when hitting chamber floor	Pass
 British Standards Institution (BS 476: Part 7 & Part 6 & Class 0) Tests: Fire Propagation & Surface Spread of Flame	Conditioned at 23 + 2° C and a relative humidity of 50 + 5% for 48 hours	Field	N/A	N/A	165mm max char length	N/A	Pass
 CAN/ULC S109 Small Scale, Large Scale	30 minutes at 105 degrees celsius	12 sec. in a chamber	N/A	2 sec. max	250mm max char length	Same as small scale	Pass
 EN 13501-1:2007+AI:2009	N/A	30 sec. with filter paper					Pass

FIELD FLAME TEST

Field Flame Test of NFPA-705, 1997 Version, Fire Retardant Foliage is a requirement in many commercial applications. Local fire code should be checked prior to ordering.

- Test Criteria:**
- A. Apply 12 seconds continuous ignition.
 - B. Remove ignition. Product must self extinguish within 2 seconds.
 - C. Flaming driplets cannot continue to burhn when hitting the floor.

STANDARD UNTREATED FOILAGE



A. 5 seconds continous ignition.



B. 2 seconds after ignition is removed.



C. 10 seconds after ignition is removed.

FAILED

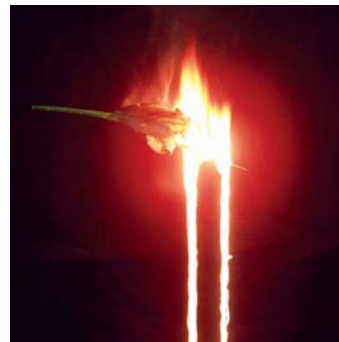
TOPICALLY FIRE TREATED FOILAGE



A. 12 seconds continous ignition.



B. 2 seconds after ignition is removed.



C. 10 seconds after ignition is removed.

FAILED



THERMALEAF® FIRE TREATED FOILAGE



A. 12 seconds continous ignition.



B. 2 seconds after ignition is removed.



C. 10 seconds after ignition is removed.

PASSED

ThermaLeaf® chemicals are impregnated into the materials during manufacturing

PLANT SPECIFICATION GUIDE

Optional



ThermaLeaf® Foliage
Optional on indicated varieties.



Premium Grade Foliage
We offer only the best grade of materials that are treated with a special coating, giving the foliage a more realistic feel and



Hand Painted
Both branch cuts and imperfections are hand painted to blend with the stem coloration.

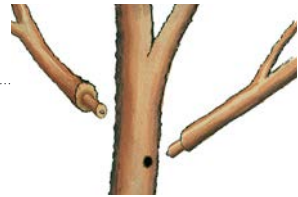


Tapered Branch Tips
Provides a smooth transition from branch to foliage.



Cable System
Major stems are cabled or wired together to preserve the tree's shape.

Optional



Branch Additions
Branches can be added to the main trunk using dowelled ends and steel reinforcements to increase a tree's density and to create a specific shape.



Standard



Optional



Standard Container Base

Trunks are secured into their PVC collars and embedded into a reinforced base. Smaller trees can be shipped completely assembled. Larger trees require removal of the trunks from the collars for shipping, and are easily reassembled on site.

Optional Steel Base Plates

The trunks are anchored into steel collars and the base plates are bolted into the floor, providing a permanent installation.



PVC Collars

The trunk bases are sealed and installed into PVC collars to prevent deterioration.



ASQUARED

6756 NE 4th Avenue
Miami, FL 33138
+1 786 501 8808

asquareddesignstudio.com
@asquareddesignstudio.com