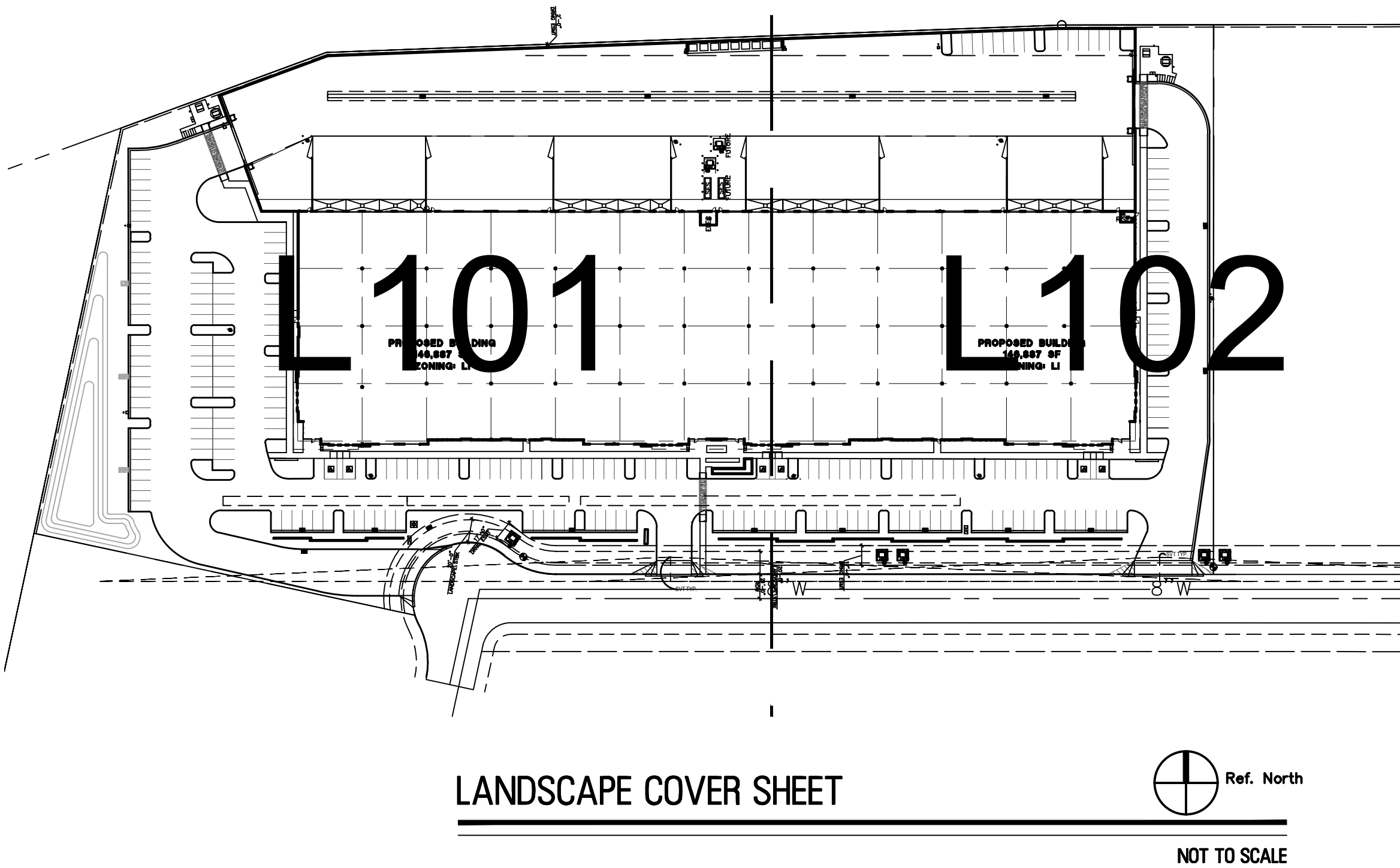




PROPOSED PLANT PALETTE

TREES	SIZE/ COMMENTS/ QTY
AZT HYBRID PALO BREA PARKINSONIA PRAECOX 'AZT #5'	36" BOX / 15 QTY / LOW-BREAKING / MATCHED
COOPER HYBRID MESQUITE PROSOPIS 'COOPERI'	36" BOX / 8 QTY / LOW BREAKING / MATCHED
COOPER HYBRID MESQUITE PROSOPIS 'COOPERI'	24" BOX / 9 QTY / LOW BREAKING / MATCHED
AZT PODLESS MESQUITE PROSOPIS 'AZT SEEDLESS'	24" BOX / 5 QTY / LOW BREAKING / MATCHED
DESERT WILLOW CHILOPSIS LINEARIS	36" BOX / 5 QTY / LOW-BREAKING / MATCHED
SWEET ACACIA ACACIA FARNESIANA	24" BOX / 5 QTY / LOW BREAKING / MATCHED
SHRUBS	
* RED YUCCA HESPERALOE PARVIFLORA	5 GAL, 56 QTY
⊙ LITTLE OLLIE OLIVE OLEA EUROPAEA 'LITTLE OLLIE'	5 GAL, 230 QTY
⊙ RIO BRAVO SAGE LEUCOPHYLLUM LANGMANIAE	5 GAL, 138 QTY
⊖ BAJA RUELLIA RUELLIA PENINSULARIS	5 GAL, 129 QTY
⊙ CIMARRON SAGE LEUCOPHYLLUM ZYGOPHYLLUM	5 GAL, 210 QTY
⊖ CAT'S CLAW VINE MACFADYENA UNGUIS-CATI	5 GAL, 8 QTY
GROUNDCOVERS	
⊙ TURPENTINE ERICAMERIA LARICIFOLIA 'AGUIRRE'	1 GAL, 273 QTY
*** SWEET POTATO VINE IPOMEA BATATAS	1 GAL, 26 QTY @ 18" O.C.
[A] TRAILING YELLOW LANTANA LANTANA MONTEVIDENSIS 'NEW GOLD'	1 GAL @ 3' O.C., 60 QTY
[B] TRAILING ROSEMARY ROSMARINUS 'HUNTINGTON CARPET'	1 GAL @ 3' O.C., 343 QTY
[C] OUTBACK SUNRISE EMU EREMOPHILA GLABRA 'MIGNEW GOLD'	1 GAL @ 3' O.C., 270 QTY
[D] NATAL PLUM 'GREEN CARPET' CARISSA GRANDIFLORA 'GREEN CARPET'	5 GAL @ 2.5' O.C., 113 QTY
[E] TRAILING ACACIA ACACIA REDOLENS 'DESERT CARPET'	1 GAL @ 4' O.C., 445 QTY
INERT MATERIAL	
DG DECOMPOSED GRANITE PALOMINO GOLD	1/2" MINUS, 2" DEPTH, TYP.
DG1 DECOMPOSED GRANITE ROCK PROS - MOHOGANY	1/2" MINUS, 2" DEPTH, TYP.
[FG] FRACTURED GRANITE ROCK PROS - MOHOGANY	1"-3" NATURAL, 4" DEPTH, TYP.
SITE AMENITIES	
[E] FORMS+SURFACES - KNIGHT TABLE ENSAMBLE WITH: BACKLESS BENCHES AND ALUMINUM SLATS AND SOLERIS SUNSHADE UMBRELLA	
□□ FORMS+SURFACES - KNIGHT LITTER RECEPTACLE	

GENERAL NOTES:

- ALL PLANTING AREAS TO HAVE TOP DRESSING OF DECOMPOSED GRANITE, SIZE AND COLOR AS NOTED IN LEGEND, 2" DEPTH, TYP. APPLIED OVER PRE-EMERGENT PER MFG. SPECS, 2 APPLICATIONS, MIN.
- VERIFY ALL CONDITIONS IN FIELD PRIOR TO BIDDING/ INSTALLATION. DISCREPANCIES SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION, IN WRITING.
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- LANDSCAPE ARCHITECT TO APPROVE ALL TREES AND SHRUBS PRIOR TO DELIVERY TO SITE.
- LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE RESERVE THE RIGHT TO REFUSE ANY PLANT HE/SHE DEEMS UNACCEPTABLE.
- FOR CLARIFICATION OF DISCREPANCIES BETWEEN THE DRAWINGS AND THE SITE, THEY SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE TO TAKE PRECAUTIONS TO PROTECT ANY EXISTING IMPROVEMENTS.
- PLANT LIST/QTY'S PROVIDED FOR CONTRACTOR'S CONVENIENCE ONLY. PLANS TAKE PRECEDENCE.
- FINISHED GRADE BELOW ALL PLANTERS SHALL BE 1" BELOW ADJACENT HEADER, PAVING, CURBING, ETC.
- GROUNDCOVER AND/OR DG SHALL EXTEND UNDER SHRUBS UNLESS NOTED.
- ALL EARTHWORK IS TO BE DONE SO THAT ALL WATER DRAINS AWAY FROM ALL STRUCTURES.
- ALL UNDERGROUND CONDUITS/PIPES/UTLITIES ARE TO BE LOCATED PRIOR TO DIGGING.
- CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SLEEVING WHETHER IT IS SHOWN ON THE PLANS OR NOT.
- LANDSCAPE CONTRACTOR RESPONSIBLE TO DEMO ALL EXISTING PLANT MATERIAL NOT SHOWN TO REMAIN.
- STEEL HEADER TO SEPARATE ALL FRACTURED GRANITE AND DECOMPOSED GRANITE BANDS. ALL STEEL HEADER TO BE 3/16" THICK COLD ROLLED STEEL.

CITY NOTES:

- ALL EXISTING VEGETATION, WEEDS, DEBRIS, ETC..., ARE TO BE REMOVED FROM THE PROJECT AREA AND DISPOSED OF PROPERLY OFFSITE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL THEN SCARIFY EXISTING SUBGRADE, TO A MINIMUM 8-INCH DEPTH.
- SOIL TEST FOR FERTILITY AND ADDITIVE RECOMMENDATIONS (FOR TURF AND ORNAMENTALS) SHALL BE MADE SEVEN (7) DAYS PRIOR TO ANTICIPATED PLANTING TO DETERMINE IF ADDITIVES ARE REQUIRED. CONTRACTOR SHALL PROVIDE AND INCORPORATE SUCH ADDITIVES PRIOR TO OR AT THE TIME OF PLANTING.
- CONTRACTOR SHALL STAKE TREE AND SHRUB LOCATIONS FOR 5-GALLON PLANTS AND LARGER. STAKES SHALL BE MARKED WITH PLANT NAME OR PLANT NAME OF PLANT LEGEND ITEM NUMBER FROM PLANS.
- CONTRACTOR SHALL NOTIFY CITY ENGINEERING DIVISION (480-644-2253) 24-HOURS IN ADVANCE FOR APPROVAL OF STAKED PLANT LOCATIONS.
- PLANT PITS MUST BE INSPECTED BY CITY LANDSCAPE INSPECTOR PRIOR TO PLANTING BY CONTRACTOR. CONTRACTOR TO REQUEST INSPECTION 48-HOURS IN ADVANCE.
- WHERE CALICHE IS ENCOUNTERED IN PLANT PITS, DEPTH AND WIDTH OF PIT SHALL BE INCREASED BY (1/3) ONE-THIRD OVER SPECIFICATION, AND A LIQUID PENETRATE, "AL-KALICHE" OR APPROVED EQUAL, SHALL BE INCORPORATED FOR EACH PIT PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL ALSO COMPLY WITH SOIL TEST RECOMMENDATIONS.
- ALL TOP SOIL MIXTURE FOR PLANTS SHALL BE FREE OF GRASS AND NOXIOUS WEEDS. SEE SECTION 795 OF THE M.A.G. SPECIFICATIONS.
- PLANT SOIL MIXTURE SHALL CONSIST OF 3 1/2-PARTS NATURAL FERTILE, FRIABLE SOIL AND ONE PART HUMUS BY VOLUME, THOROUGHLY MIXED PRIOR TO BACKFILLING IN PITS. BACKFILLING SHALL BE IN 6-INCH LIFTS. EACH LIFT SHALL BE WATER SETTLED, WITHOUT PUDDLING.
- ALL PLANT MATERIAL SHALL CONFORM TO GRADING, TYPE, ETC..., AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMEN AND BY THE ARIZONA NURSERY ASSOCIATION RECOMMENDED TREE SPECIFICATIONS.
- THE CITY OF MESA RESERVES THE RIGHT TO INSPECT SHRUBS AND CONTAINER TREES FOR CONDITION OF ROOT BALLS. FOR ANY SUCH INSPECTIONS FOR CONDITIONS WHICH MAY DESTROY ROOT BALL, CONTRACTOR SHALL SUPPLY ADDITIONAL PLANT AT NO COST.
- 120 VOLT POWER FOR SPRINKLER SYSTEM CONTROLLER IS TO BE ORDERED FROM APPROPRIATE POWER UTILITY BY CONTRACTOR. CONTRACTOR ACTS AS OWNER AND PAYS RELATED COSTS. IF METER IS INSTALLED, METER IS TO BE IN CONTRACTOR'S NAME UNTIL FINAL APPROVAL AND/OR ACCEPTANCE OF THE PROJECT AND THEN TRANSFERED TO THE MAINTAINING PARTY.
- THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND LABOR NECESSARY TO INSTALL THE COMPLETE AUTOMATIC SPRINKLER SYSTEM INCLUDING THE WATER SERVICE AND METER. THE CONTRACTOR SHALL ORDER THE WATER METER AND PAY ALL RELATED CHARGES AT THE PUBLIC WORKS SERVICES. THE CITY MAY INSTALL THE WATER SERVICE AND METER AND CHARGE THE CONTRACTOR AT THE CITY'S DISCRETION.
- THE PLANT GUARANTEE AND MAINTENANCE SHALL BE AS PER SECTION 430.8 OF M.A.G. SPECIFICATIONS UNTIL PROJECT APPROVAL AND/OR ACCEPTANCE.
- UNLESS SPECIFIED ON THE PLANS FOR REMOVAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - DAMAGES TO EXISTING WALKS, WALLS, DRIVES, CURBS, ETC....
 - DAMAGES TO UTILITIES CAUSED AS A RESULT OF HIS WORK.
 - INSPECTING THE SITE IN ORDER TO BE FULLY AWARE OF EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
- THE CONTRACTOR SHALL MAINTAIN UNCOVERED, ALL EXISTING UTILITY COVERS, BOXES, LIDS, AND MANHOLES.
- ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED IN THE PLANS OR IN THE SPECIFICATION WHICH ARE REQUIRED TO COMPLETE THE INSTALLATION, SHALL BE SUPPLIED BY THE CONTRACTOR AS PART OF HIS CONTRACT WORK.

LANDSCAPE / PLANTING CALCULATIONS:

TOTAL OPEN SPACE AREA: 66,909 S.F. = 15% SITE AREA	33,455 S.F. LIVE COVERAGE REQUIRED 59,500 S.F. LIVE COVERAGE PROVIDED				
	TOTAL TREES	36" TREES	24" BOX	TOTAL SHRUBS	5 GALLON SHRUBS
STREET FRONTAGE REQUIREMENTS 1 TREE/ 6 SHRUB PER 25 L.F.	25 TREES REQUIRED 25 TREES PROVIDED	6 TREES REQUIRED 8 TREES PROVIDED	13 TREES REQUIRED 17 TREES PROVIDED	150 SHRUBS REQUIRED 492 SHRUBS PROVIDED	75 SHRUBS REQUIRED 112 SHRUBS PROVIDED
PARKING LOT REQUIREMENTS 1 TREE / 3 SHRUB PER ISLAND	43 TREES REQUIRED 45 TREES PROVIDED	5 TREES REQUIRED 9 TREES PROVIDED	REMAINDER REQ. 36 TREES PROVIDED	129 SHRUBS REQUIRED 256 SHRUBS PROVIDED	N / A
FOUNDATION PLANTING REQUIREMENTS 1 TREE PER 50 L.F.	23 TREES REQUIRED 23 TREES PROVIDED	3 TREES REQUIRED 5 TREES PROVIDED	REMAINDER REQ. 18 TREES PROVIDED	N / A 394 SHRUBS PROVIDED	N / A 303 SHRUBS PROVIDED

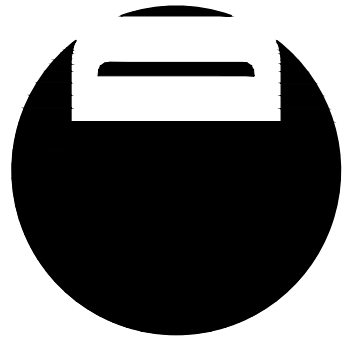
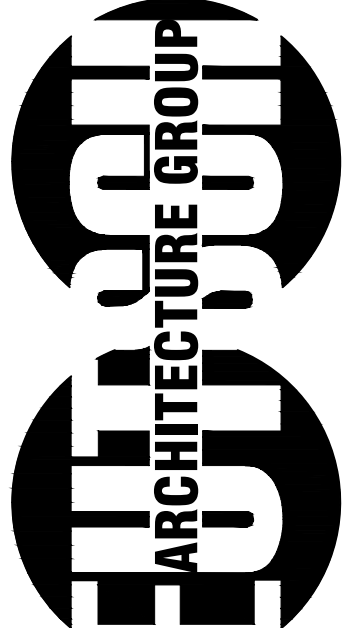
-ALL TREES TO BE 15 GALLON SIZE OR LARGER



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PLANTING PLAN
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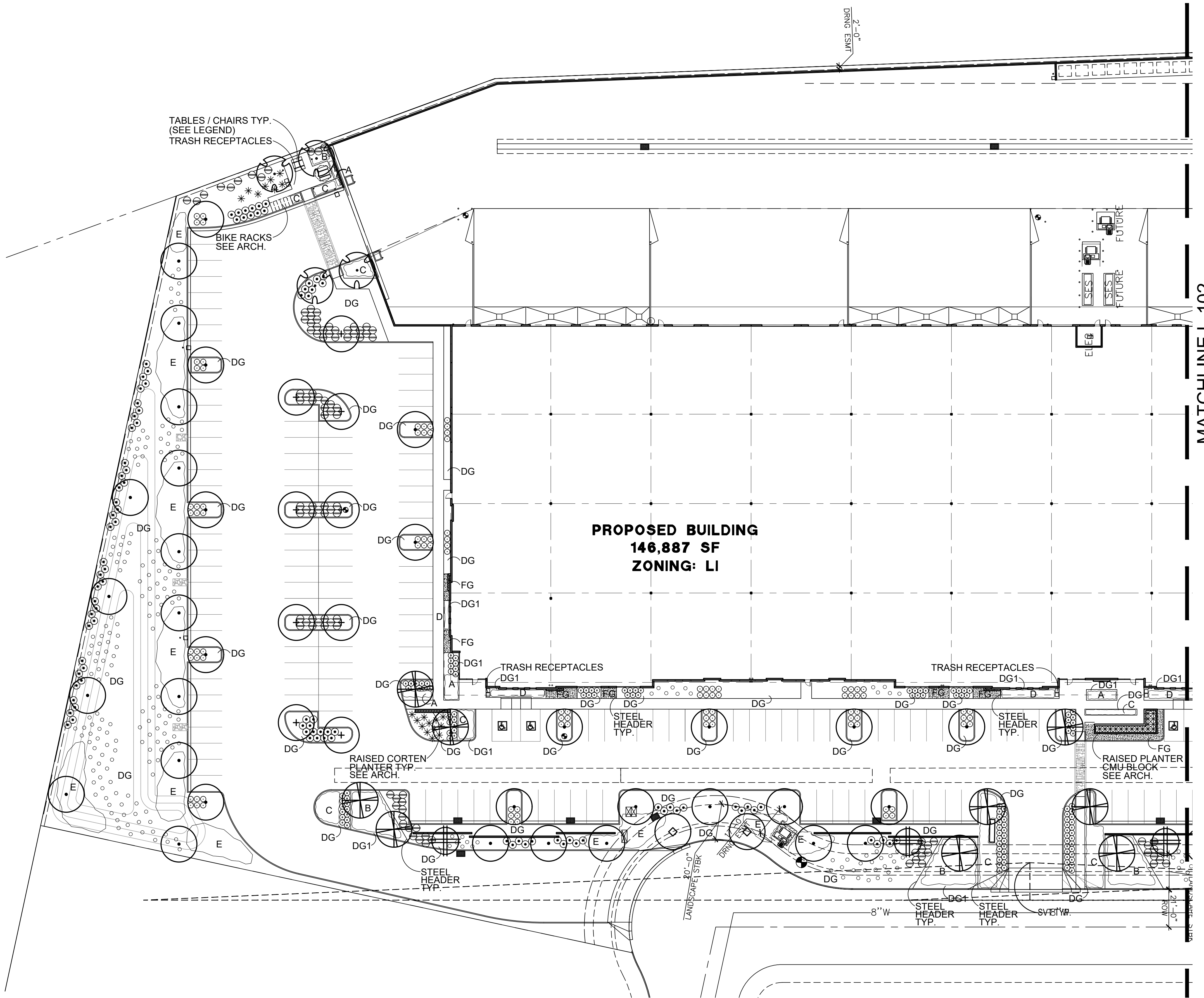
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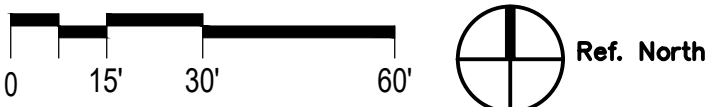
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CONCEPTUAL PLANTING PLAN



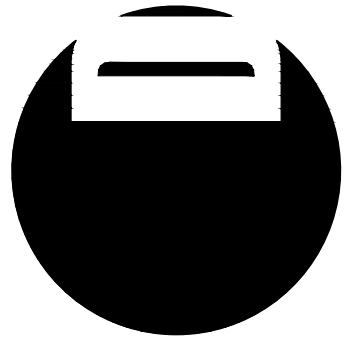
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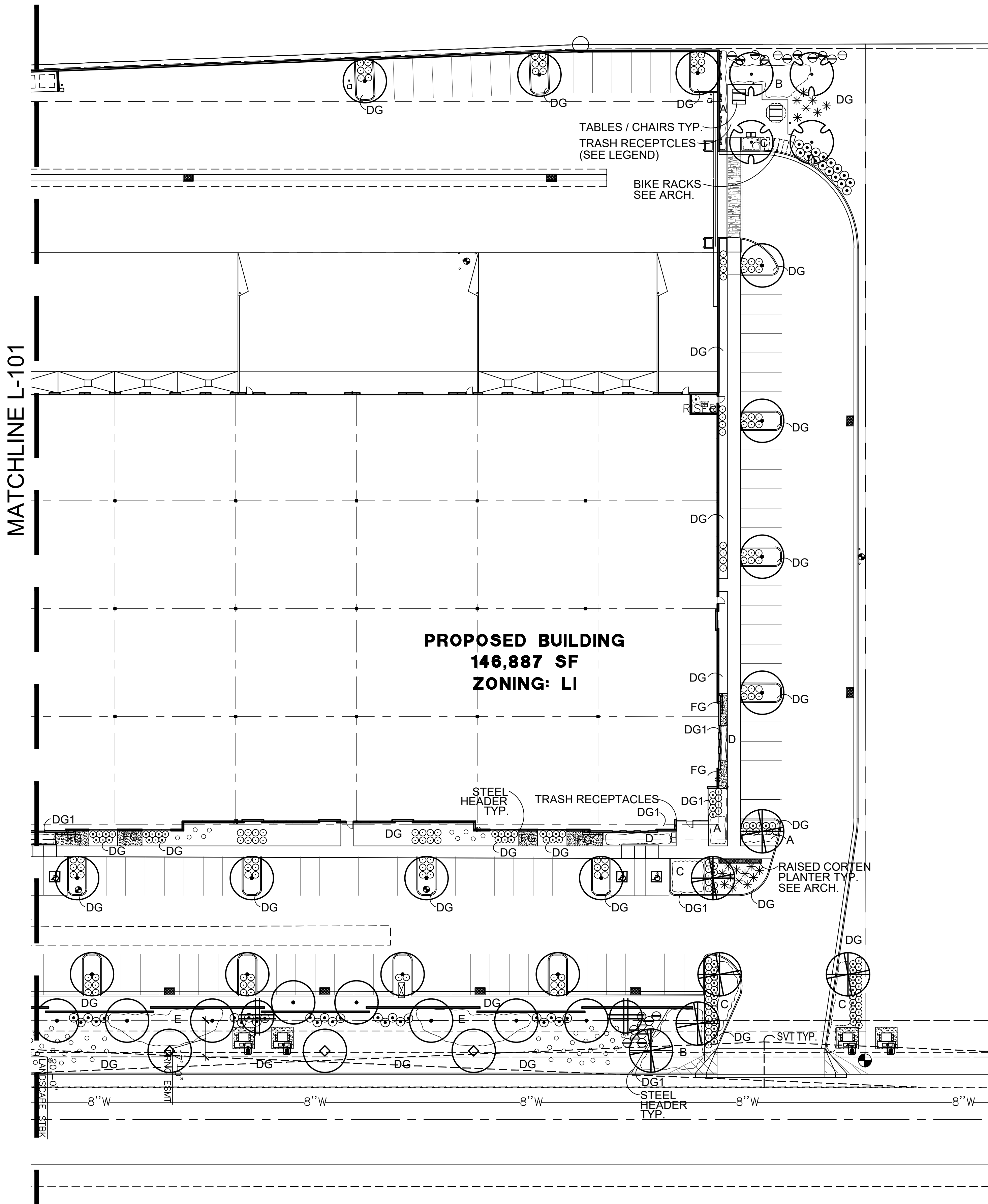
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PLANTING PLAN
12.21.2020

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CONCEPTUAL PLANTING PLAN



PROPOSED PLANT PALETTE

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KNIGHT™ LITTER RECEPTACLE

PRODUCT DATA

FORMS+SURFACES®

KNIGHT™ LITTER RECEPTACLE

PRODUCT DATA

The **Knight Litter Receptacle** combines rustproof construction, high-performance materials, and the striking aesthetic of the rest of the Knight family. The finned quadrant frame is seamless aluminum with beautifully detailed polished edges. The removable cast aluminum lid provides easy access and comes with tether cables for added security. Distinctive and highly durable, the Knight Litter Receptacle is the perfect accompaniment to other Knight family members: backed and backless benches, a table ensemble, illuminated and security bollards, and pedestrian lighting.

MATERIAL & CONSTRUCTION DETAILS

FRAME & LID	BODY	LINER	INSTALLATION	MAINTENANCE
- Quadrant frame and angled lid are made of corrosion-resistant solid aluminum with invisible welds. - Quadrant frame, lid, and inner surfaces are Aluminum Texture powdercoat with polished outer edges. All surfaces are clear-coated.	- Knight's body is made of corrosion-resistant aluminum. - See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	- The Knight receptacle uses independent, replaceable internal liners designed to be used with or without plastic liner bags. - Liners are molded from durable black polyethylene with a UL94HB fire rating.	- Receptacles can be used freestanding or surface mounted. - Anchors, levelers, and stainless steel mounting screws are provided when surface mounting is specified; levelers are supplied for freestanding units. - For added security, lids are supplied with two stainless steel tether chains.	Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

NOMINAL DIMENSIONS

MODEL	OVERALL HEIGHT	OVERALL WIDTH	OVERALL DEPTH	OVERALL WEIGHT	CAPACITY
SLKH-30	34.4" (874 mm)	21.0" (533 mm)	21.0" (533 mm)	63.4 lbs (28.8 kg)	30 gallons (114 liters)

ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Knight Receptacle Environmental Data Sheet for detailed environmental impact information.
- Knight Receptacles have up to 42% recycled content; All components are fully recyclable.
- Rustproof aluminum construction ensures a long product life cycle.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

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page 1 of 2 | Rev. 08-14-17

KNIGHT™ LITTER RECEPTACLE

PRODUCT DATA

MODEL NUMBER AND DESCRIPTION

MODEL	DESCRIPTION
SLKH-30	Knight Litter Receptacle, 30-gallon

PRODUCT OPTIONS

The following options are available for an upcharge

Premium Texture Colors from Forms+Surfaces Powdercoat Chart
Custom RAL powdercoat color

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

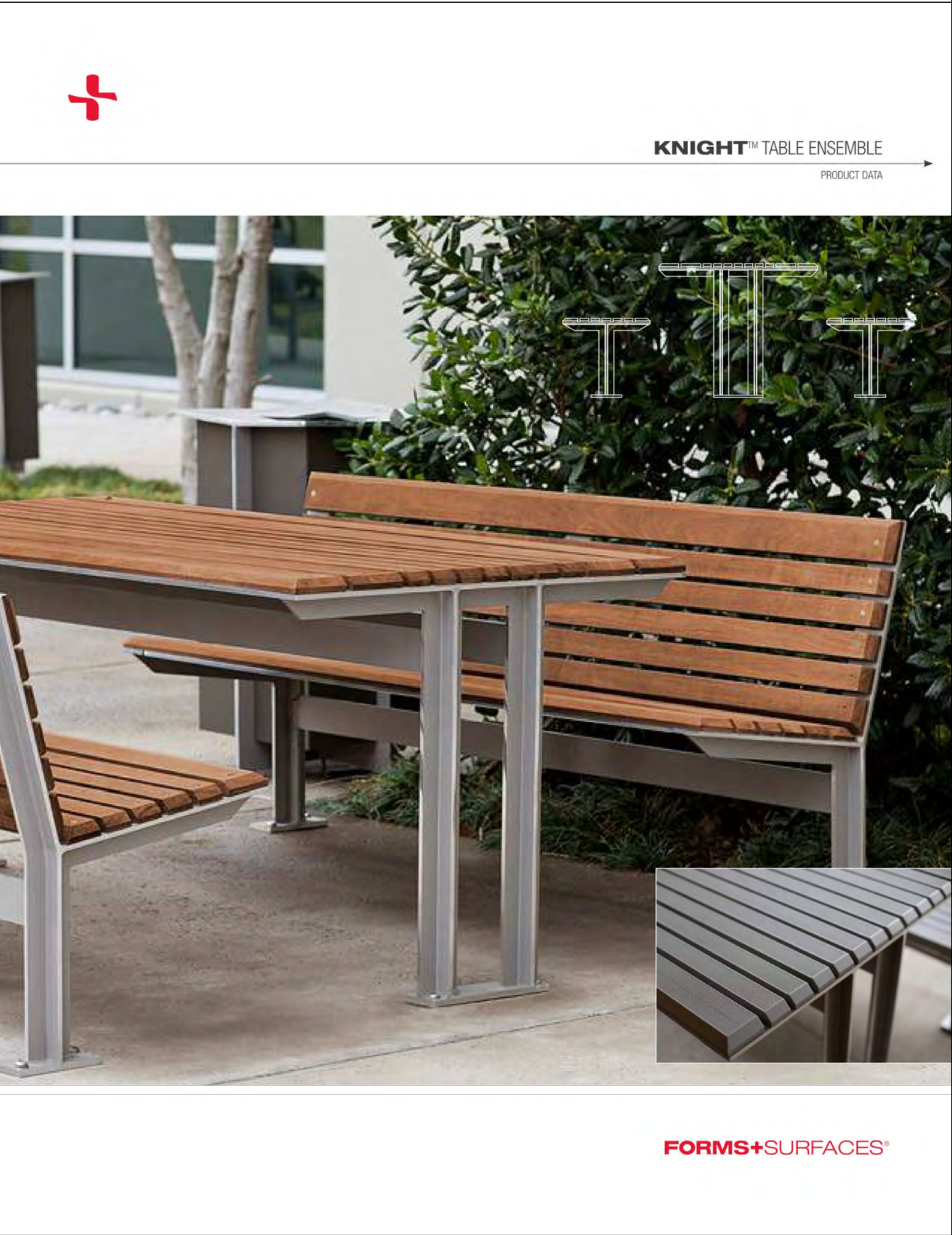
PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, model, powdercoat colors, liner with or without drain holes, freestanding or surface mount. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

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page 2 of 2 | Rev. 08-14-17



KNIGHT™ TABLE ENSEMBLE

PRODUCT DATA

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KNIGHT™ TABLE ENSEMBLE

PRODUCT DATA

The Knight Table Ensemble combines understated refinement, rustproof construction, and high-performance materials. Ensembles include a table and two backed or backless benches; ADA-compliant variations are also an option. All-aluminum frames have beautifully detailed polished edges; beveled slats in FSC® 100% Ipé hardwood or extruded aluminum complete the look. Ideal for gathering spaces of all kinds, Knight Table Ensembles match the rest of the Knight family: backed and backless benches, a litter receptacle, illuminated and security bollards, and pedestrian lighting.

MATERIAL & CONSTRUCTION DETAILS

CONFIGURATIONS	FRAMES	INSTALLATION
- Knight Table Ensembles can be specified with backed or backless benches. - Benches can be configured with an ADA option, which includes one side with a shorter, 36" bench, permitting unobstructed wheelchair access to the table. - The Knight Table Ensemble can be used with our Soleris Sunshade.	- Knight table and bench frames are made of solid aluminum. Outer frame edges are polished; inner surfaces have a powdercoat finish. All surfaces are clear-coated. - See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	Knight Table Ensembles must be surface mounted. Anchors and stainless steel mounting screws are included.

ADA COMPLIANCE	SLATS	MAINTENANCE
When the ADA option is used, the Knight Table Ensemble can be installed to comply with the applicable ADA Standards: 226 for Dining and Work Surfaces, 305 for Clear Floor or Ground Space, 306 for Knees and Toe Clearance, and 502 for Dining Surfaces and Work Surfaces.	- Benches and table tops are available with FSC® 100% Ipé hardwood slats. (FSC License Code: FSC-C004453) - On Ipé hardwood tables, table top slats are wider at table's outer edges to allow ample room for plates, drinks, and other items. - Ipé hardwood slats offer superior resistance to moisture, insects, fire, vandalism, and decay; natural oil finish enhances the wood's rich color. - Extruded aluminum slats with zinc end caps feature a lightly grooved surface for enhanced appearance and non-slip foot. Aluminum slats and zinc end caps are powdercoated. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners. - Ipé hardwood slats can be maintained by re-oiling as needed with Penofin® hardwood finish or similar products.

NOMINAL DIMENSIONS

MODEL	OVERALL LENGTH	OVERALL DEPTH	TABLE DEPTH	BENCH DEPTH	SEAT HEIGHT	BENCH HEIGHT	TABLE HEIGHT
STKH-72BW	72.0" (1,829 mm)	85.3" (2,167 mm)	37.0" (940 mm)	22.6" (574 mm)	17.4" (442 mm)	31.1" (790 mm)	30.4" (772 mm)
STKH-72NW	72.0" (1,829 mm)	79.5" (2,019 mm)	37.0" (940 mm)	19.8" (503 mm)	18" (457 mm)	30.4" (772 mm)	30.4" (772 mm)
STKH-72BA	72.0" (1,829 mm)	85.3" (2,167 mm)	37.0" (940 mm)	22.6" (574 mm)	17.4" (442 mm)	31.1" (790 mm)	30.4" (772 mm)
STKH-72NA	72.0" (1,829 mm)	79.5" (2,019 mm)	37.0" (940 mm)	19.8" (503 mm)	18" (457 mm)	30.4" (772 mm)	30.4" (772 mm)

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page 1 of 3 | Rev. 09-27-18

KNIGHT™ TABLE ENSEMBLE

PRODUCT DATA

NOMINAL DIMENSIONS (CONTINUED)

MODEL	OVERALL LENGTH	ADA BENCH LENGTH	OVERALL DEPTH	TABLE DEPTH	BENCH DEPTH	SEAT HEIGHT	BENCH HEIGHT	TABLE HEIGHT
STKH-72BW-ADA	72.0" (1,829 mm)	36.0" (914 mm)	83.7" (2,126 mm)	37.0" (940 mm)	21.9" (556 mm)	17.9" (455 mm)	31.1" (790 mm)	30.4" (772 mm)
STKH-72NW-ADA	72.0" (1,829 mm)	36.0" (914 mm)	79.5" (2,019 mm)	37.0" (940 mm)	19.8" (503 mm)	18" (457 mm)	30.4" (772 mm)	30.4" (772 mm)
STKH-72BA-ADA	72.0" (1,829 mm)	36.0" (914 mm)	83.7" (2,126 mm)	37.0" (940 mm)	21.9" (556 mm)	17.9" (455 mm)	31.1" (790 mm)	30.4" (772 mm)
STKH-72NA-ADA	72.0" (1,829 mm)	36.0" (914 mm)	79.5" (2,019 mm)	37.0" (940 mm)	19.8" (503 mm)	18" (457 mm)	30.4" (772 mm)	30.4" (772 mm)

ENVIRONMENTAL CONSIDERATIONS

- Knight aluminum frames have up to 75% recycled content.
- All Knight metal components are fully recyclable.
- All Knight wood is FSC® 100%.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance, easy to disassemble.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
STKH-72BW	Knight Table Ensemble, backed benches, wood slats
STKH-72BW-ADA	Knight Table Ensemble with ADA option, backed benches, wood slats
STKH-72BA	Knight Table Ensemble, backed benches, aluminum slats
STKH-72BA-ADA	Knight Table Ensemble with ADA option, backed benches, aluminum slats
STKH-72NW	Knight Table Ensemble, backless benches, wood slats
STKH-72NW-ADA	Knight Table Ensemble with ADA option, backless benches, wood slats
STKH-72NA	Knight Table Ensemble, backless benches, aluminum slats
STKH-72NA-ADA	Knight Table Ensemble with ADA option, backless benches, aluminum slats

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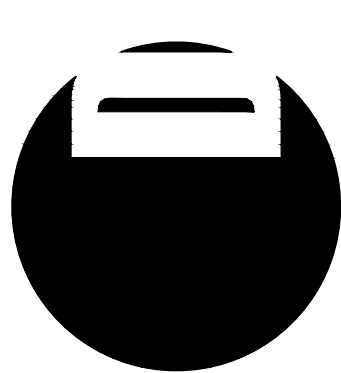
page 2 of 3 | Rev. 09-27-18



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**SITE AMENITIES
12.21.2020**

SITE AMENITIES / FURNISHINGS

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NOTICE OF EXTENDED CERTIFICATION AND APPROVAL PERIOD PROVISION: THIS CONTRACT ALLOWS THE OWNER TO CERTIFY AND APPROVE BILLINGS AND ESTIMATES WITHIN 30 DAYS AFTER THE BILLINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR.



KNIGHT™ TABLE ENSEMBLE

PRODUCT DATA

PRODUCT OPTIONS

The following options are available for an upcharge

Umbrella hole and sleeve - for use with the Soleris Sunshade	Custom RAL powdercoat color
Premium Texture Colors from Forms+Surfaces Powdercoat Chart	

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, model, and powdercoat color for frame. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

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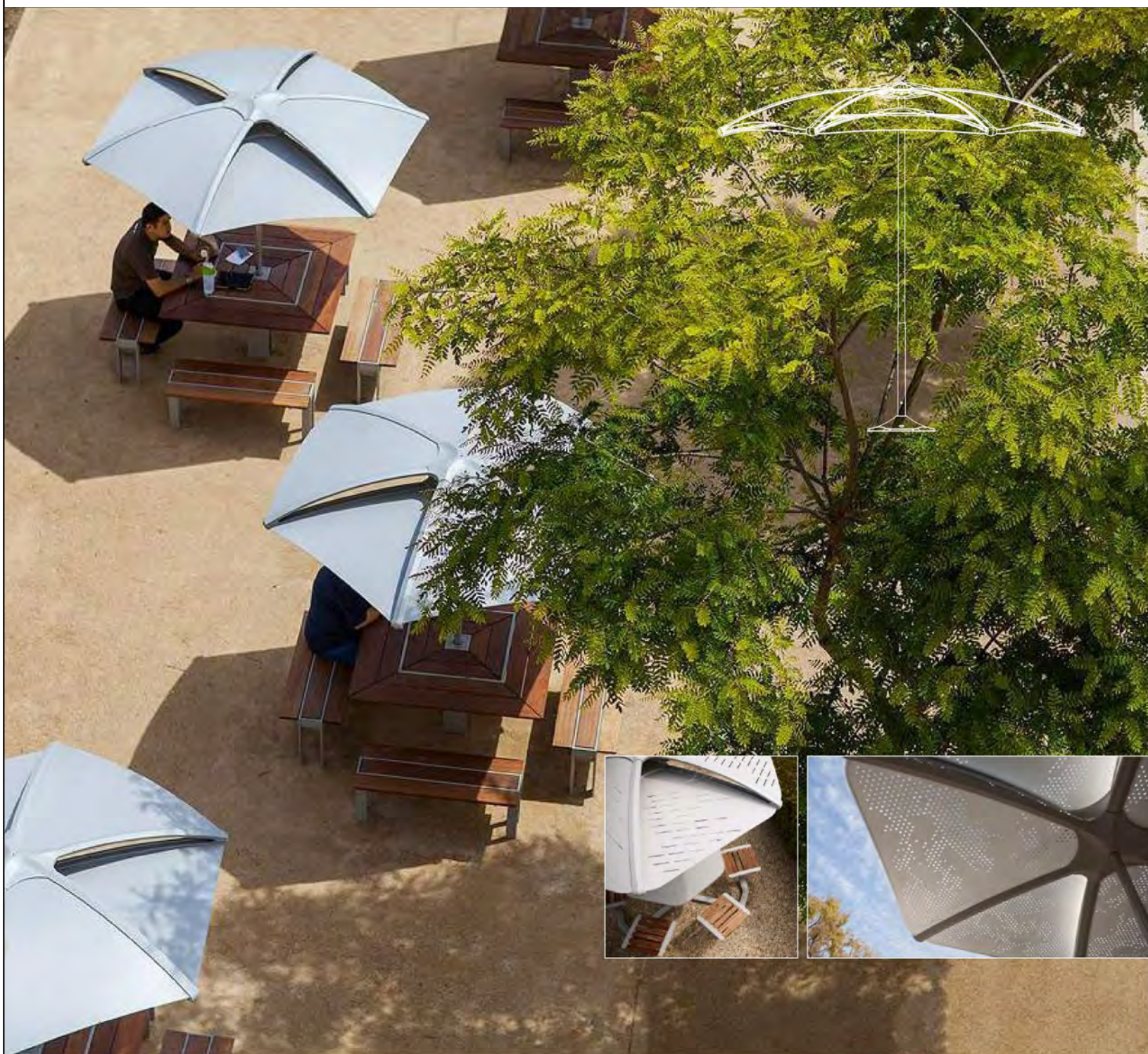
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page 3 of 3 | Rev. 09-27-18



SOLERIS™ SUNSHADE

PRODUCT DATA



FORMS+SURFACES®



SOLERIS™ SUNSHADE

PRODUCT DATA

Soleris Sunshade offers a fresh interpretation of a classic functional form. Designed for year-round use, this versatile, durable umbrella features open-air construction, a fixed stainless steel pole, and shade panels in powdercoated aluminum with a variety of optional perforation patterns.

MATERIAL & CONSTRUCTION DETAILS

CONFIGURATIONS	SHADE PANELS	INSTALLATION & MAINTENANCE
- Soleris Sunshade was designed to be used as a standalone feature, with the Tangent, Knight, Trio, and Apex Table Ensembles or with specified tabletops. - Soleris Sunshade is not compatible with all F-C tables. - Please contact us to discuss your specific projects needs.	- Shade panels are available with or without perforations. Standard perforation patterns are Cloud, Fade, Slat, and Stitch. See pages 2 and 3 for details. - Shade panels used with Apex or Knight Table Ensemble or square table top the shade panels will have straight edges. See technical drawings for details. - Aluminum panels have a powdercoat finish that can be specified independently of frame color. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge.	- Soleris Sunshade must be surface mounted using the included base plate. - When using Soleris Sunshade with an ensemble, both the table and the Soleris Sunshade must be surface mounted. - All models include stainless steel anchors and stainless steel mounting screws. - The sunshade and mounting pole ship as separate components and are easily assembled. - Designed to be left up year round.
CONSTRUCTION	FRAME & MOUNTING ASSEMBLY FINISHES	MAINTENANCE
- Frame consists of corrosion-resistant aluminum with a durable powdercoat finish. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. - All frame connection points are welded and mechanically fastened for maximum durability. - Shade panels are made from 0.06" (1.5mm) aluminum. 1.75" (44.5mm) diameter stainless steel mounting pole. - Fixed pole and panels; no raising or lowering required. - Mounting assembly includes a stainless steel base plate with 2.0" (50.8mm) diameter stainless steel sleeve to accept mounting pole; standalone model also includes a cast aluminum escutcheon.	- Aluminum frame has a durable powdercoat finish. See the Forms+Surfaces Powdercoat Chart for details. Custom RAL colors are available for an upcharge. - Mounting assembly is powdercoated to match the Soleris Sunshade frame. For standalone models, cast aluminum escutcheon is also powdercoated to match the frame. - When used with Forms+Surfaces Table Ensemble Soleris Sunshade baseplate and sleeve will be powdercoated to match table frame. - Stainless steel mounting pole has a Satin finish.	- Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abraasive cleaners. - In the event of high winds, we recommend taking down the Soleris Sunshade to prevent damage.

STRUCTURAL INTEGRITY

WIND & SNOW LOAD INFORMATION

- Soleris Sunshade has been evaluated to the requirements of the International Building Code, 2015 edition, and ASCE 7 - 10.
- Mounting system is able to adequately withstand the lateral force produced by an ultimate wind speed of 101.5 MPH (78.6 MPH nominal speed).
- Each individual Soleris Sunshade panel is capable of withstanding the uplift force produced by an ultimate wind speed of 143 MPH (110.8 MPH nominal).
- Soleris Sunshade panels are capable of supporting a snow depth of approximately 16.5"; the difference in snow depth across sunshade should not exceed 7".
- Certified structural calculations are available upon request.

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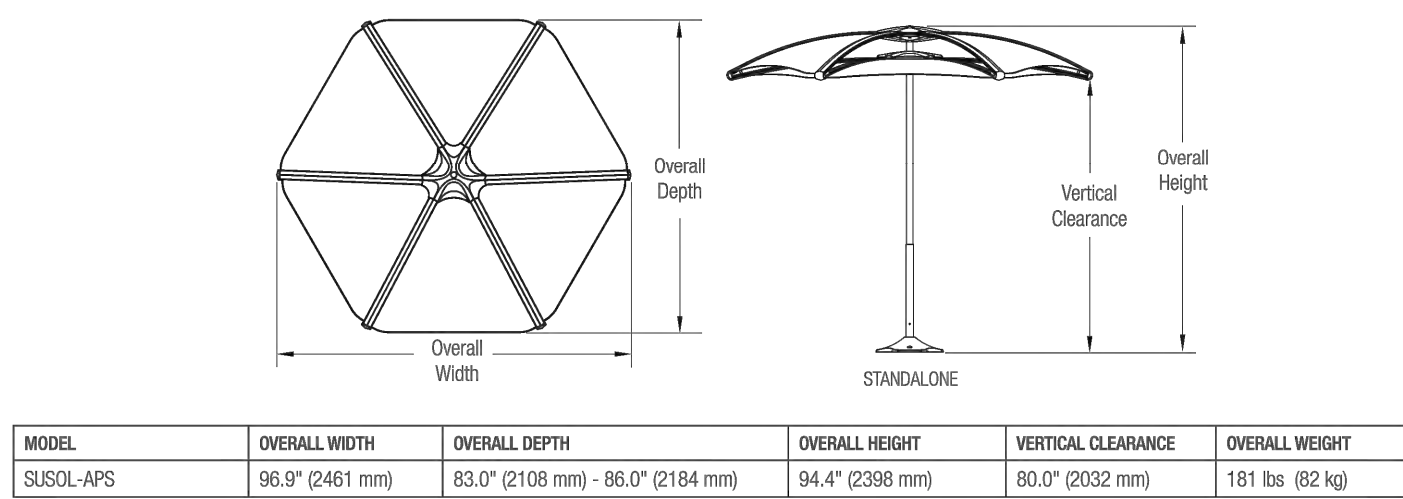
page 1 of 4 | Rev. 06-20-17



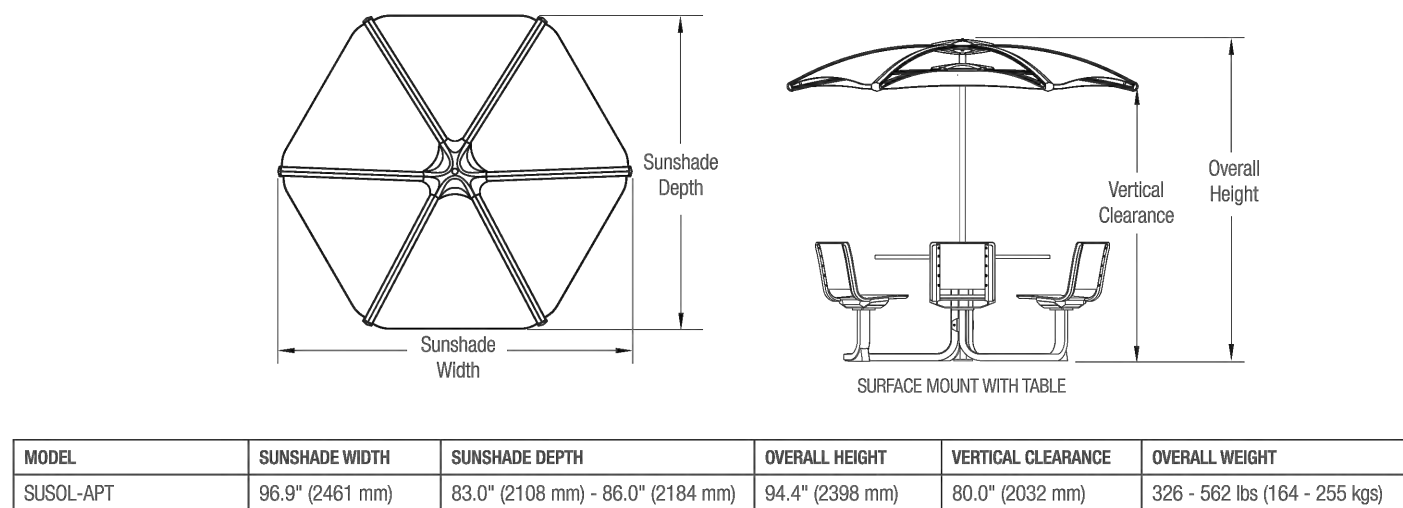
SOLERIS™ SUNSHADE

PRODUCT DATA

STANDALONE NOMINAL DIMENSIONS



SOLERIS SUNSHADE WITH TABLE ENSEMBLE NOMINAL DIMENSIONS (Tangent Table Ensemble, 6-seat shown)



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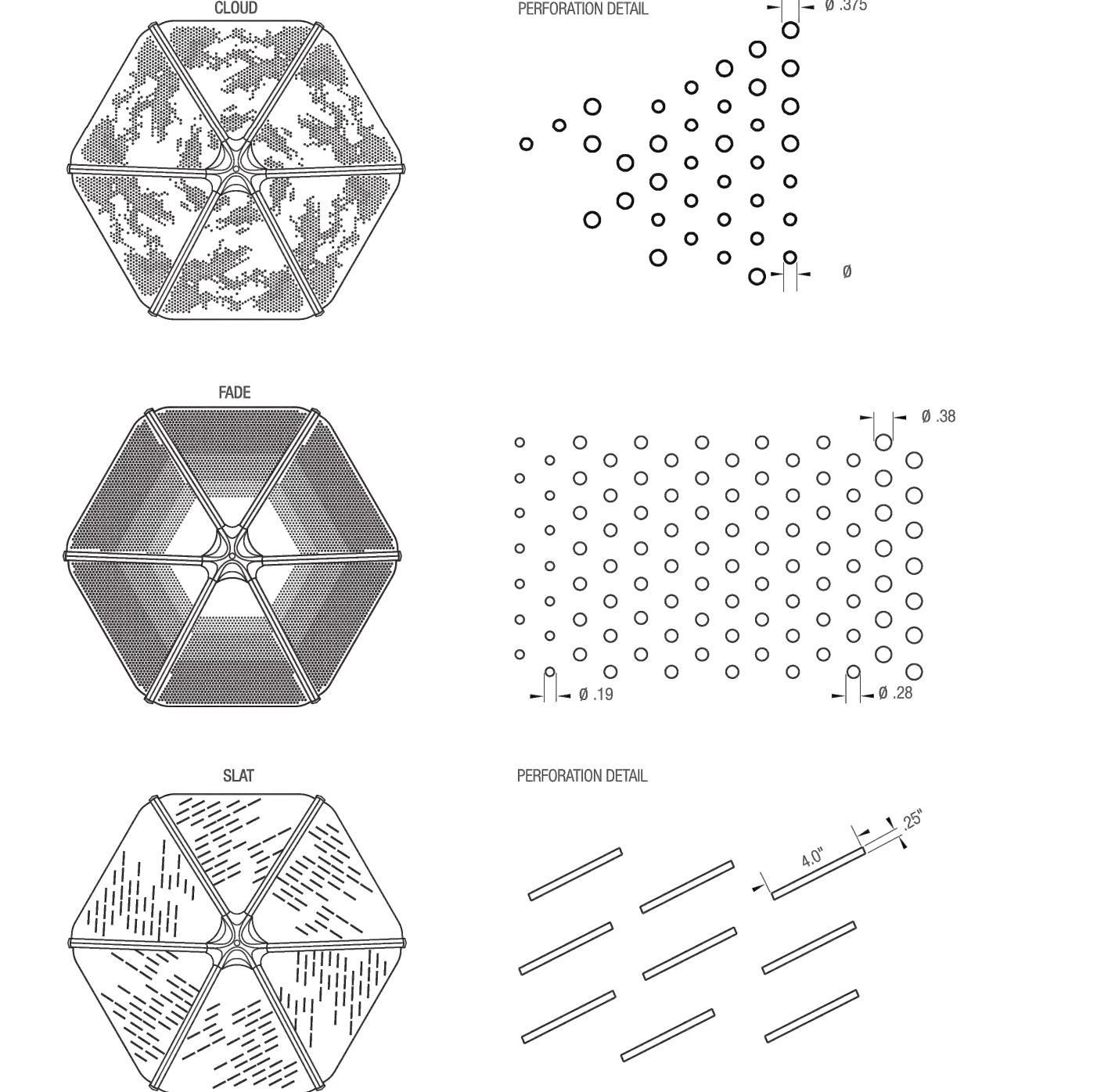
page 2 of 4 | Rev. 06-20-17



SOLERIS™ SUNSHADE

PRODUCT DATA

ALUMINUM PANEL PERFORATION PATTERNS



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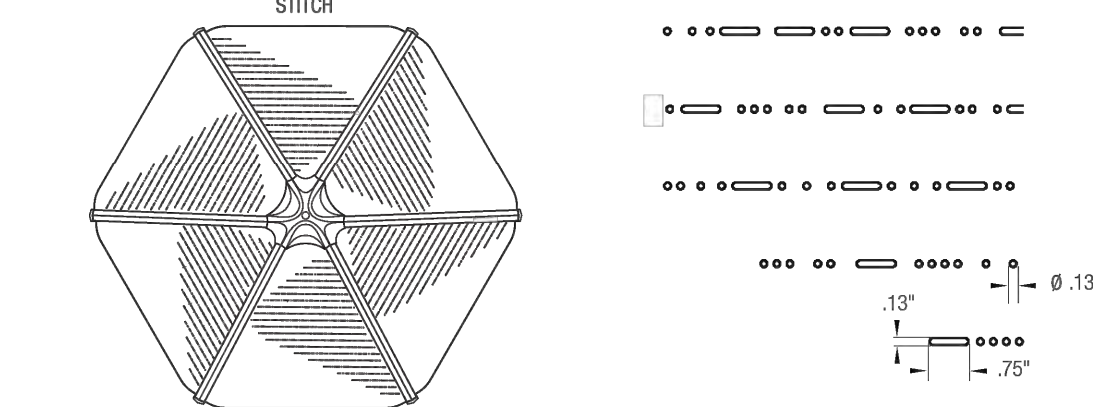
page 3 of 4 | Rev. 06-20-17



SOLERIS™ SUNSHADE

PRODUCT DATA

ALUMINUM PANEL PERFORATION PATTERNS (CONTINUED)



ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Soleris Sunshade Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance; easy to disassemble.

MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
SUSOL-APS	Soleris Sunshade, aluminum panels, surface mount; standalone or for use with table tops
SUSOL-APT	Soleris Sunshade, for use with Forms+Surfaces Table Ensembles

PRODUCT OPTIONS

The following options are available for an upcharge

24" diameter table top	Custom RAL powdercoat color (table top)
30" diameter table top	Aluminum panel perforation pattern for sunshade
36" diameter table top	Premium Texture Colors from Forms+Surfaces Powdercoat Chart (aluminum panel)
42" diameter table top	Custom RAL powdercoat color (aluminum panel)
36 x 36" square table top	Premium Texture Colors from Forms+Surfaces Powdercoat Chart (frame)
Concentric 1/4" round perforations for table tops	Custom RAL powdercoat color (frame)
Add powdercoat color from Forms+Surfaces Powdercoat Chart (table top)	

LEAD TIME: 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

PRICING: Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

TO ORDER SPECIFY: Quantity, application, powdercoat color(s), and aluminum panel perforation pattern. Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

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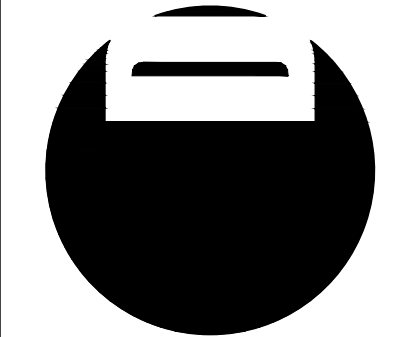
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