

DEVELOPMENT REVIEW BOARD REPORT



Meeting Date: March 17, 2022
General Plan Element: *Character and Design*
General Plan Goal: *Foster quality design that enhances Scottsdale as a unique southwestern desert community.*

ACTION

**Public Art - Soho Phase 2
56-DR-2014#4** | Request by applicant for approval of the location for a new Public Art sculpture, with associated lighting, at an existing mixed-use project.

SUMMARY

Staff Recommendation

Approve, subject to the attached stipulations (Attachment #5)

Items for Consideration

- Conformance with Development Review Board Criteria – staff confirms
- Per Section 1.902.A.1.c of the Zoning Ordinance, DRB purview limited to location only
- Building/structure height previously approved with case 14-ZN-2014 (65 feet)
- Substantial Public Art already in place at this project (freestanding and building mounted)
- Public comment received (see Attachment #10)

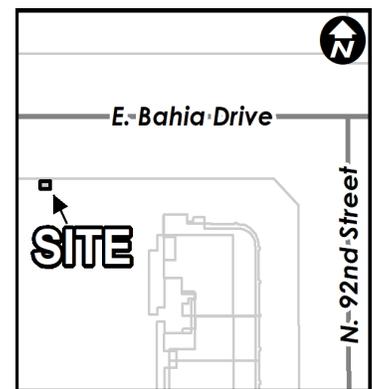
BACKGROUND

Location: 16580 N. 92nd Street

Zoning: Planned Airpark Core, Airpark Mixed-Use – Residential,
Planned Community District (PCP/AMU-R P-C)

Adjacent Uses

North: Office/Light Industrial
East: Office/Light Industrial
South: Office/Light Industrial
West: Office/Light Industrial



Property Owner

Catclar Investments LLC

Applicant

Tanya Galin, Scottsdale Public Art

DEVELOPMENT PROPOSAL

The applicant proposes to locate a new Public Art sculpture, titled “Global Unity”, at an existing mixed-use development. The sculpture is proposed to be between 55 and 60 feet in height and includes a stained-glass globe at the top that is proposed to be internally illuminated. Design of Public Art is the purview of Scottsdale Public Art and they are the applicants for this request. Design

specifications of this sculpture have been approved through their process. The installation includes three uplighting fixtures at the base that can be programmed to change colors.

Development Review Board Criteria

Staff confirms that the development proposal generally meets the applicable Development Review Board Criteria. For an analysis of the Criteria, please see Attachment #4

STAFF RECOMMENDED ACTION

Staff recommends that the Development Review Board approve the Public Art – Soho Phase 2 development proposal per the attached stipulations, finding that the Development Review Board Criteria have been met.

RESPONSIBLE DEPARTMENTS

STAFF CONTACTS

Planning and Development Services
Current Planning Services

Greg Bloemberg
Project Coordination Liaison
480-312-4306 gbloemberg@ScottsdaleAZ.gov

APPROVED BY



Greg Bloemberg, Report Author

3/9/2022

Date



Brad Carr, AICP, LEED-AP, Planning & Development Area Manager
Development Review Board Liaison
Phone: 480-312-7713 Email: bcarr@scottsdaleaz.gov

3/8/2022

Date



Randy Grant, Executive Director
Planning, Economic Development, and Tourism
Phone: 480-312-2664 Email: rgrant@scottsdaleaz.gov

3/8/2022

Date

ATTACHMENTS

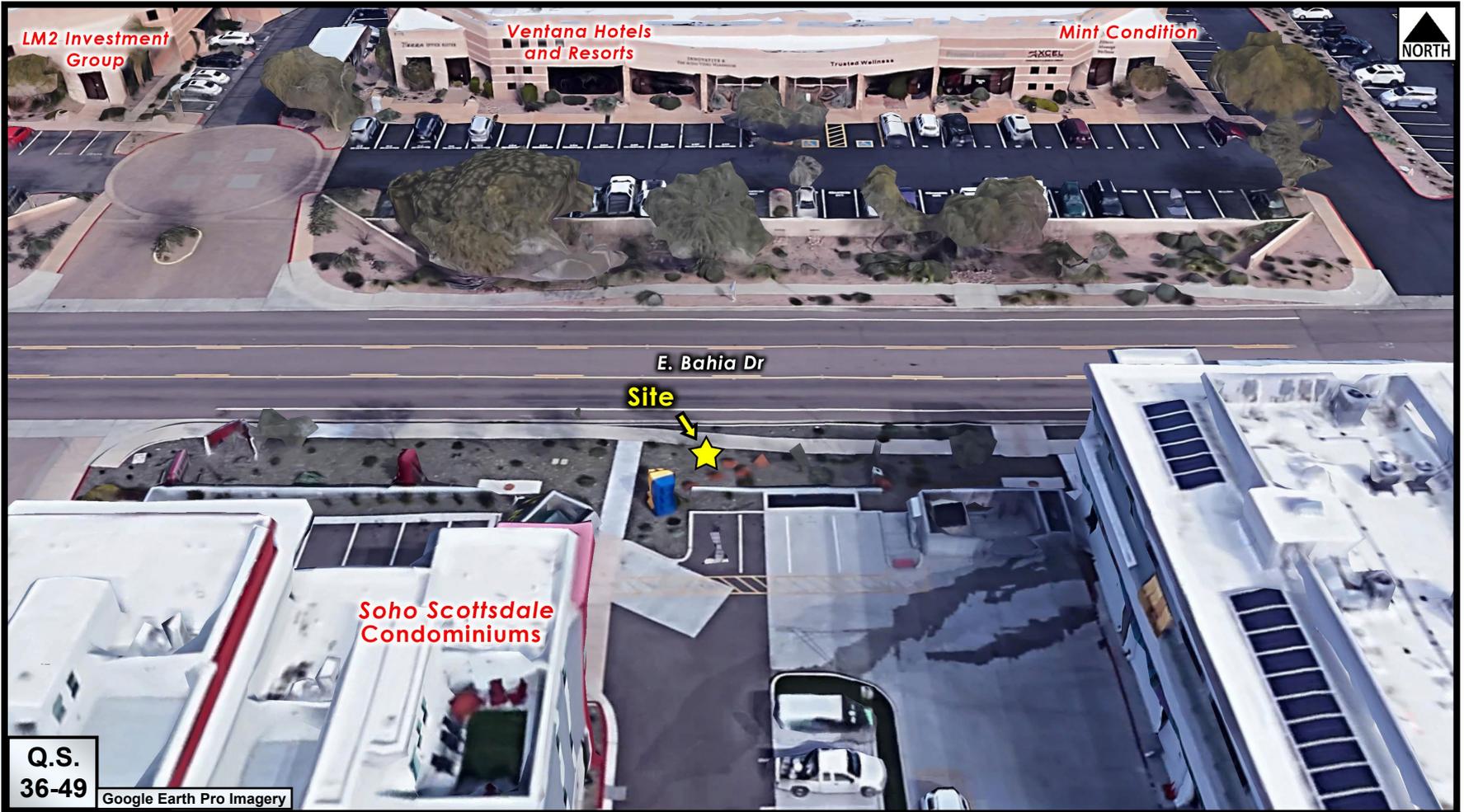
1. Context Aerial
2. Close-up Aerial
3. Applicant’s Narrative
4. Development Review Board Criteria Analysis/Development Information
5. Stipulations / Zoning Ordinance Requirements
6. Combined Context Aerial and Site Plan
7. Site Plans
8. Sculpture Design (for reference only)
9. Lighting Plan w/ Cutsheets
10. Zoning Aerial
11. Community Involvement



Q.S.
36-49
Google Earth Pro Imagery

Context Aerial

56-DR-2014#4



Close-up Aerial

56-DR-2014#4

Public Art Narrative / CIP-Public Art Program Criteria

SOHO Scottsdale, a planned block development by Bahia Live/Work Lofts and Townhomes LLC., has previously installed and will be installing public art projects as part of the City of Scottsdale's Cultural Improvements Program Ordinance (2018). Scottsdale Public Art is in charge of the public art process as the owner has made an In-Lieu contribution of the budget for the public art process to Scottsdale Public Art. In the first phase of the project three artists were commissioned for public art installations. The artists selected were Leticia Huerta (lithocrete), Lauren Lee (mural), and Christopher Weed (sculpture). For the second phase, one artist has been commissioned for the following public art installation:

Jeff Zischke:

The sculpture, *Global Unity*, depicts people supporting each other with the earth balanced on top. It relates directly to our communities helping humankind. We need to be mindful of our planet and work together striving to make our earth sustainable for us, our children, and the people in the future. The sculpture also expresses SOHO Scottsdale's theme of man, technology, and nature. The figures will be fabricated out of stainless steel and the round globe will be made of form-colored translucent resin panels. The sculpture will be lit externally from the bottom and inside the globe at the top.

The sculpture will be located at a highly visible location on the property. It will be located between Bahia Drive and the Soho Scottsdale parking lot, just west of 92nd Street and the Soho Scottsdale building #16580. It will be clearly visible from Bahia drive and the public will have access to the sculpture from the parking lot. The sidewalk will extend from the parking lot to the sculpture. The site location has been carefully placed avoiding existing utilities, public utility easements, and vehicular sight distance requirements.

See the map and images of the proposed artworks for more information.

DEVELOPMENT REVIEW BOARD CRITERIA ANALYSIS

Sections 1.904, 1.905 and 7.1000 of the Zoning Ordinance outline the requirements, criteria and findings for implementation of the Cultural Improvement Programs. Specifically, per Section 1.904.A.6, the location of artwork provided in accordance with a Cultural Improvement Program shall address the following criteria:

- Accessibility to the public
- Location near pedestrian circulation routes consistent with existing or future development or natural features
- Location near the primary pedestrian or vehicular entrance of a development
- Location in conformance with the Design Standards and Policies Manual for locations affecting existing utilities, public utility easements, and vehicular sight distance requirements
- Location in conformance to standards for public safety

The proposed artwork is located along the perimeter of the project adjacent to Bahia Drive in an area with existing Public Art, including some of the wall murals and freestanding sculptures. The remaining artwork is dispersed internal to the project, primarily in the pedestrian plazas between the townhome buildings, and all art locations are accessible to the public by way of Public Access Easements dedicated with the final plat that connects the project to the streets. The proposed location was coordinated with the City's Engineering, Storm Water and Water Resources Divisions and does not conflict with existing or proposed underground infrastructure; nor does it cause a visibility hazard for visitors exiting the property.

DEVELOPMENT INFORMATION

Community Involvement

With the submittal of the application, staff notified all property owners within 750 feet of the site. In addition, the applicant has been in communication with property owners surrounding the property and the site is posted with the required signage.

Context

Case 14-ZN-2014 approved a maximum building height of 65 feet for this project. The original design for the sculpture was upwards of 100 feet but has been reduced so that it does not exceed the maximum height approved with the zoning case. There are presently two condo buildings on the site that top out at 65 feet, including the building closest to the proposed sculpture. As such, the height of the sculpture is compatible with the context established by the mixed-use project.

**Stipulations for the
Development Review Board Application:
Public Art - Soho Phase 2
Case Number: 56-DR-2014#4**

These stipulations are intended to protect the public health, safety, welfare, and the City of Scottsdale.

APPLICABLE DOCUMENTS AND PLANS:

1. Except as required by the Scottsdale Revised Code (SRC), the Design Standards and Policies Manual (DSPM), and the other stipulations herein, the site design and construction shall substantially conform to the following documents:
 - a. The Public Art location shall be consistent with the site plan submitted by Scottsdale Arts, with a city staff date of 1/18/2022.

ARCHAEOLOGICAL RESOURCES:

Ordinance

- A. Any development on the property is subject to the requirements of Scottsdale Revised Code, Chapter 46, Article VI, Section 46-134 - Discoveries of archaeological resources during construction.

SITE DESIGN:

DRB Stipulations

2. With the final plan submittal, the site plan shall be revised to include an ADA-compliant, improved path to the proposed sculpture from the street sidewalk on Bahia Avenue to allow for public access. The path shall be a minimum of five feet in width.

EXTRIOR LIGHTING:

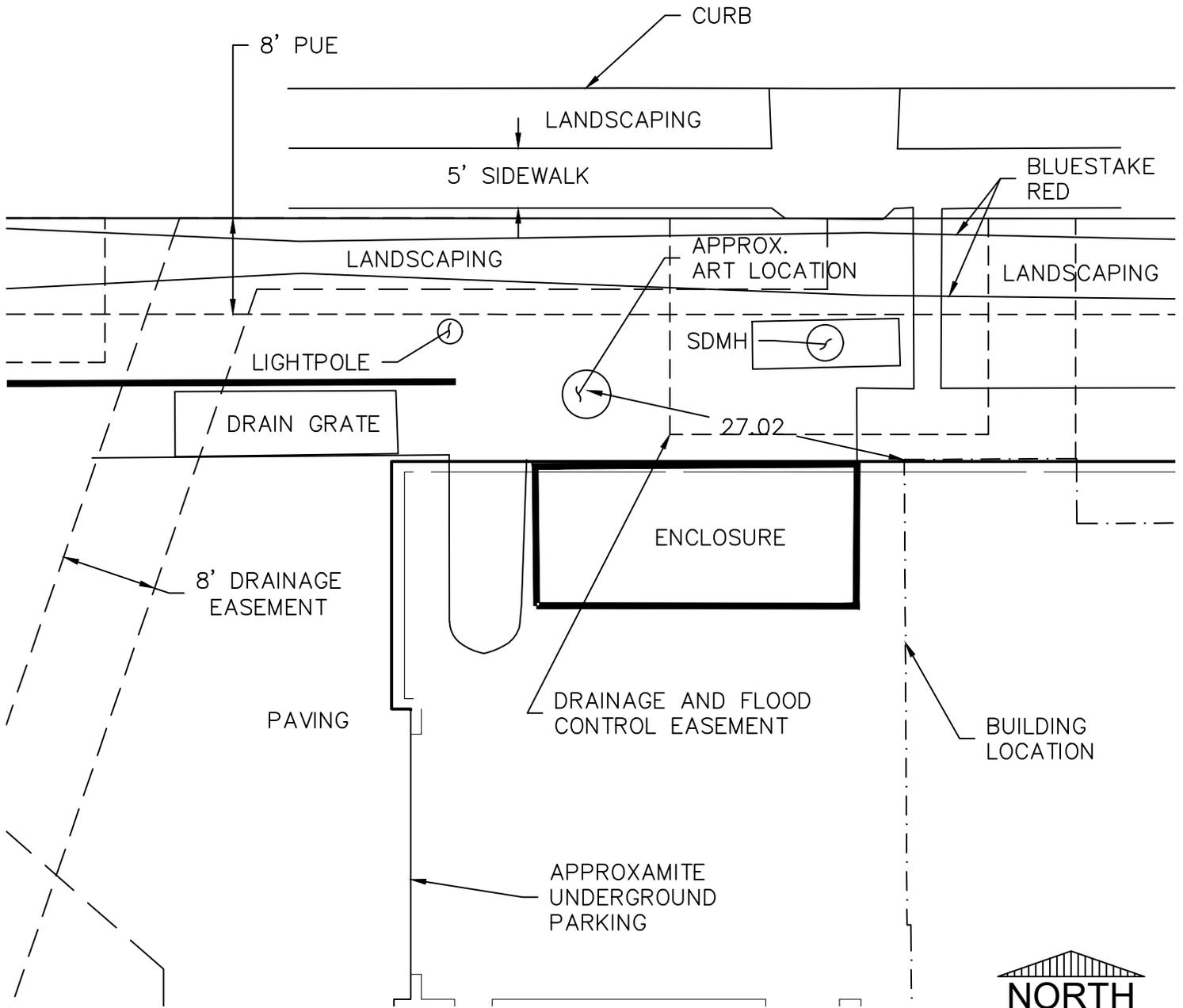
Ordinance

- B. Any exterior luminaire with a total initial lumen output of greater than 1600 lumens shall have an integral lighting shield.

DRB Stipulations

3. The proposed multi-color uplighting shall not "shift" or randomly change colors. The fixtures shall be timed so that a single color is utilized for each day, including weekends.

EAST BAHIA DRIVE

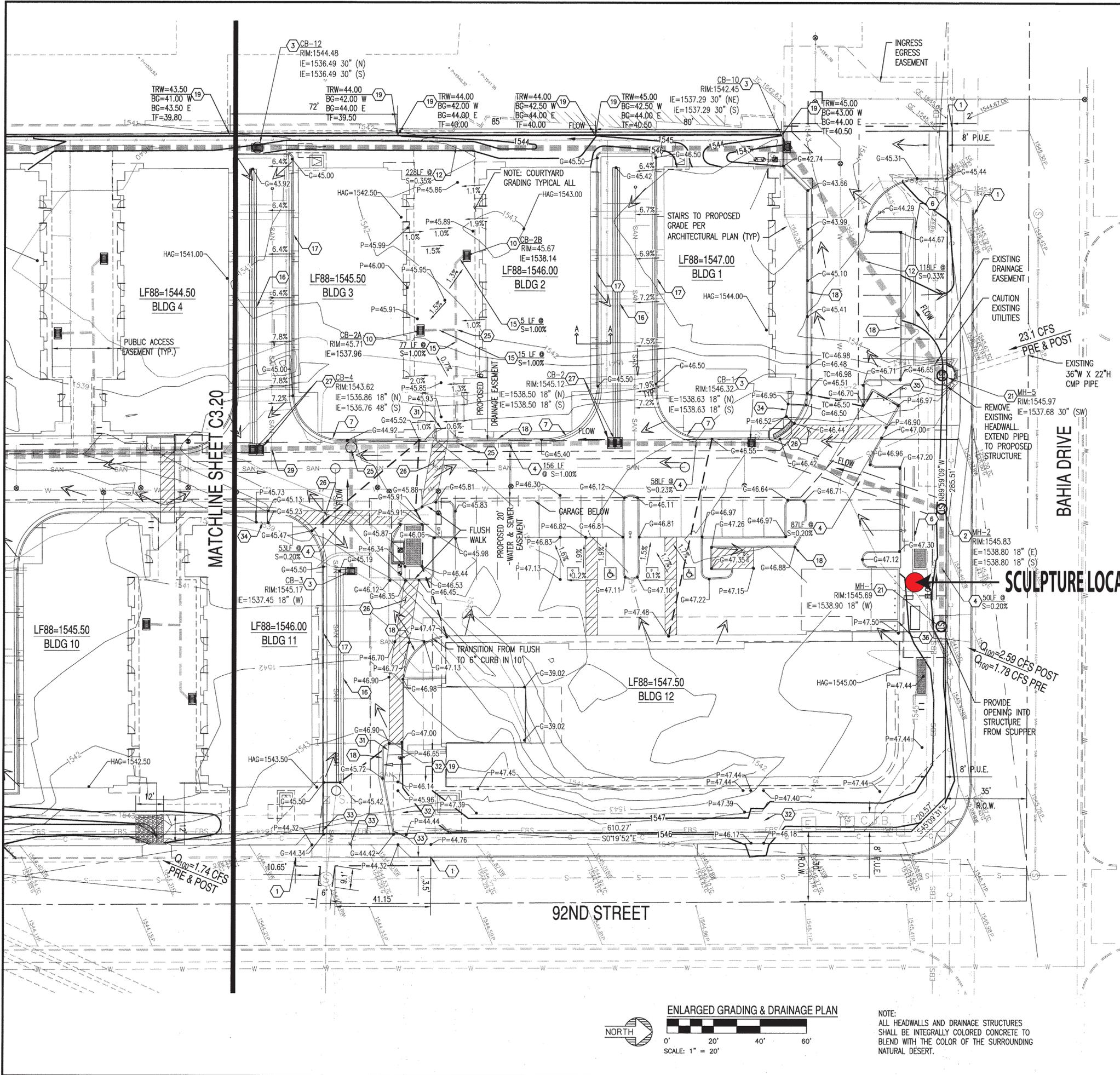


SOHO EXHIBIT



STRATEGIC
SURVEYING, LLC
2443 WEST 12TH STREET
SUITE 1
TEMPE, AZ 85281
PHONE: (480) 272-7634

DRAWN	AV
CHECKED	JSM
SCALE	N.T.S.
DATE	9/08/21
PAGE	1 OF 1

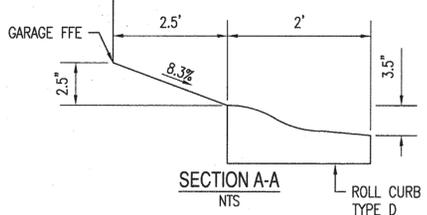


CONSTRUCTION NOTES

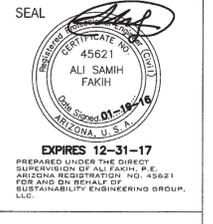
- 1 MATCH EXISTING GRADE; CONTRACTOR TO VERIFY IN FIELD ALL GRADES PRIOR TO CONSTRUCTION ACTIVITIES AND TO CONTACT ENGINEER IN CASE OF ANY DISCREPANCIES.
- 2 FURNISH AND INSTALL 48" STORM DRAIN MANHOLE PER MAG STD DET 520 & 522. MANHOLE FRAME AND COVER PER MAG STD DET 423 & 424. MANHOLE COVER SHALL READ "STORMWATER".
- 3 FURNISH AND INSTALL SINGLE GRATE CATCH BASIN PER MAG STD DET 535.
- 4 FURNISH AND INSTALL 18" CMP PIPE. LENGTH & SLOPE PER PLAN.
- 5 FURNISH AND INSTALL 24" CMP PIPE. LENGTH & SLOPE PER PLAN.
- 6 3' SCREEN WALL. REFER TO ARCHITECTURAL SHEET A004 DETAIL 3.
- 7 TRANSITION FROM TYPE "A" CURB TO TYPE "D" CURB PER MAG STD DET 221 MODIFIED FOR TYPE "D".
- 10 FURNISH AND INSTALL SINGLE GRATE CATCH BASIN PER MAG STD DET 537.
- 11 FURNISH AND INSTALL 48" CMP PIPE WITH SMOOTH INTERIOR FLOOR-BOTTOM. SLOPE PER PLAN.
- 12 FURNISH AND INSTALL 30" CMP PIPE. SLOPE PER PLAN.
- 13 FURNISH AND INSTALL 48" PIPE MANIFOLD WITH 2 - 48" TEES AND 48" RISER MANHOLES WITH VENTED STORM LIDS. REFER TO MANHOLE CAP DETAIL ON SHEET C3.40.
- 15 FURNISH AND INSTALL 12" CMP PIPE. SLOPE PER PLAN.
- 16 FURNISH AND INSTALL 3' WIDE VALLEY GUTTER PER DETAIL ON SHEET C3.00
- 17 FURNISH AND INSTALL 3.5" ROLL CURB AND GUTTER PER MAG STD DET 220-1 TYPE D
- 18 FURNISH AND INSTALL 6" VERTICAL CURB AND GUTTER PER MAG STD DET 220-1 TYPE A
- 19 FURNISH AND INSTALL RETAINING WALL. REFER TO DETAIL ON SHEET C3.52. PROVIDE HANDRAIL PER COS DET 2508.
- 21 FURNISH AND INSTALL JUNCTION BOX STRUCTURE PER DETAIL ON SHEET C3.51. PROVIDE SOLID MANHOLE COVER. COVER SHALL READ "STORMWATER"
- 25 PROVIDE WYE CONNECTION PER DETAIL ON SHEET C3.40.
- 26 STAMPED ASPHALT ADA PATH. REFER TO LANDSCAPE PLAN SHEET L2.1 AND L2.2 FOR COLOR. 2% MAX CROSS SLOPE.
- 27 FURNISH AND INSTALL DOUBLE CATCH BASIN PER MAG STD DET 535. REFER TO SHEET C3.50 FOR MORE DETAILS.
- 31 CONSTRUCT VERTICAL REALIGNMENT PER COS DET 2370 & 2401.
- 32 CONSTRUCT RAMP PER DETAIL ON SHEET A006. PROVIDE HANDRAIL PER MAG STD DET 145.
- 33 CONSTRUCT DRIVEWAY PER COS DET 2250. PROVIDE CURB TERMINATION PER MAG STD DET 222.
- 34 FURNISH AND INSTALL ADA RAMP PER COS DETAIL 2233-2.
- 35 CONSTRUCT TRASH ENCLOSURE PER COS DET 2146-1.
- 36 CONSTRUCT TRASH ENCLOSURE PER COS DET 2146-2.

PROPOSED GRADING LEGEND

- G=XX.XX GUTTER ELEVATION (TC +6")
- P=XX.XX PAVEMENT ELEVATION
- RIDGE LINE
- FLOW LINE
- STORM PIPE
- CATCH BASIN
- ⊙ STORM MANHOLE
- ← DRAINAGE ARROW



Call at least two full working days before your project starts. **ARIZONA811** 800-488-4811. This drawing is an instrument of service and the property of Sustainability Engineering Group, and shall remain their property. The use of this drawing shall be restricted to the original site for which it is prepared and publication thereof is expressly limited to such use.



SUSTAINABILITY ENGINEERING GROUP
SEG
 8280 E GELDING DR #101, SCOTTSDALE, ARIZONA 85260
 WWW.AZSEG.COM TEL: 480.588.7226

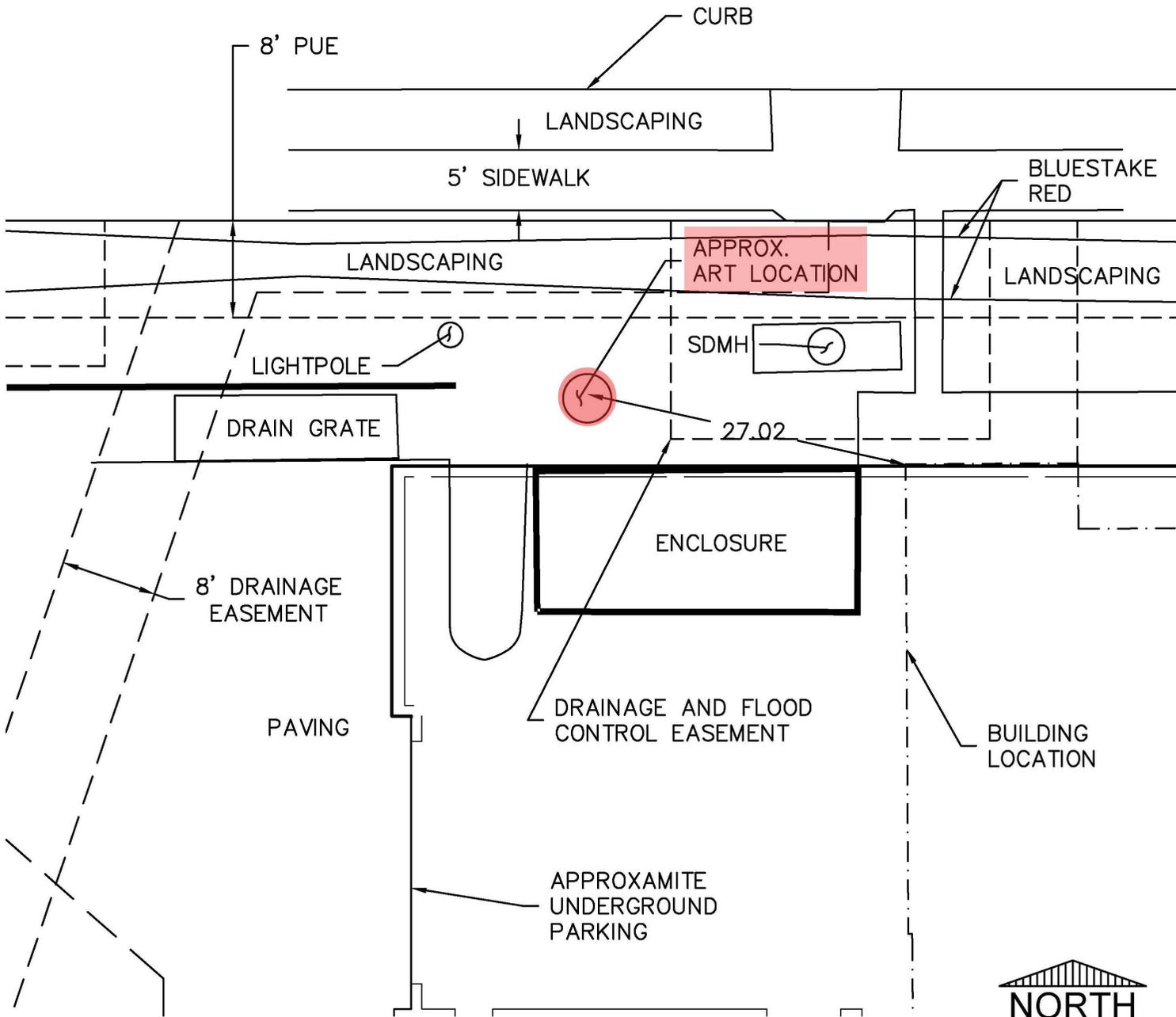


PROJECT: BAHIA WORK, LIVE, PLAY	LOCATION: BAHIA ROAD & 92ND STREET, SCOTTSDALE, ARIZONA
DATE: 01/19/2016	ISSUED FOR: PERMITS
REVISION NO.:	DATE:
JOB NO.: CD140801	SHEET TITLE: ENLARGED GRADING & DRAINAGE PLAN
SHEET NO.: C3.10	



NOTE: ALL HEADWALLS AND DRAINAGE STRUCTURES SHALL BE INTEGRALLY COLORED CONCRETE TO BLEND WITH THE COLOR OF THE SURROUNDING NATURAL DESERT.

EAST BAHIA DRIVE



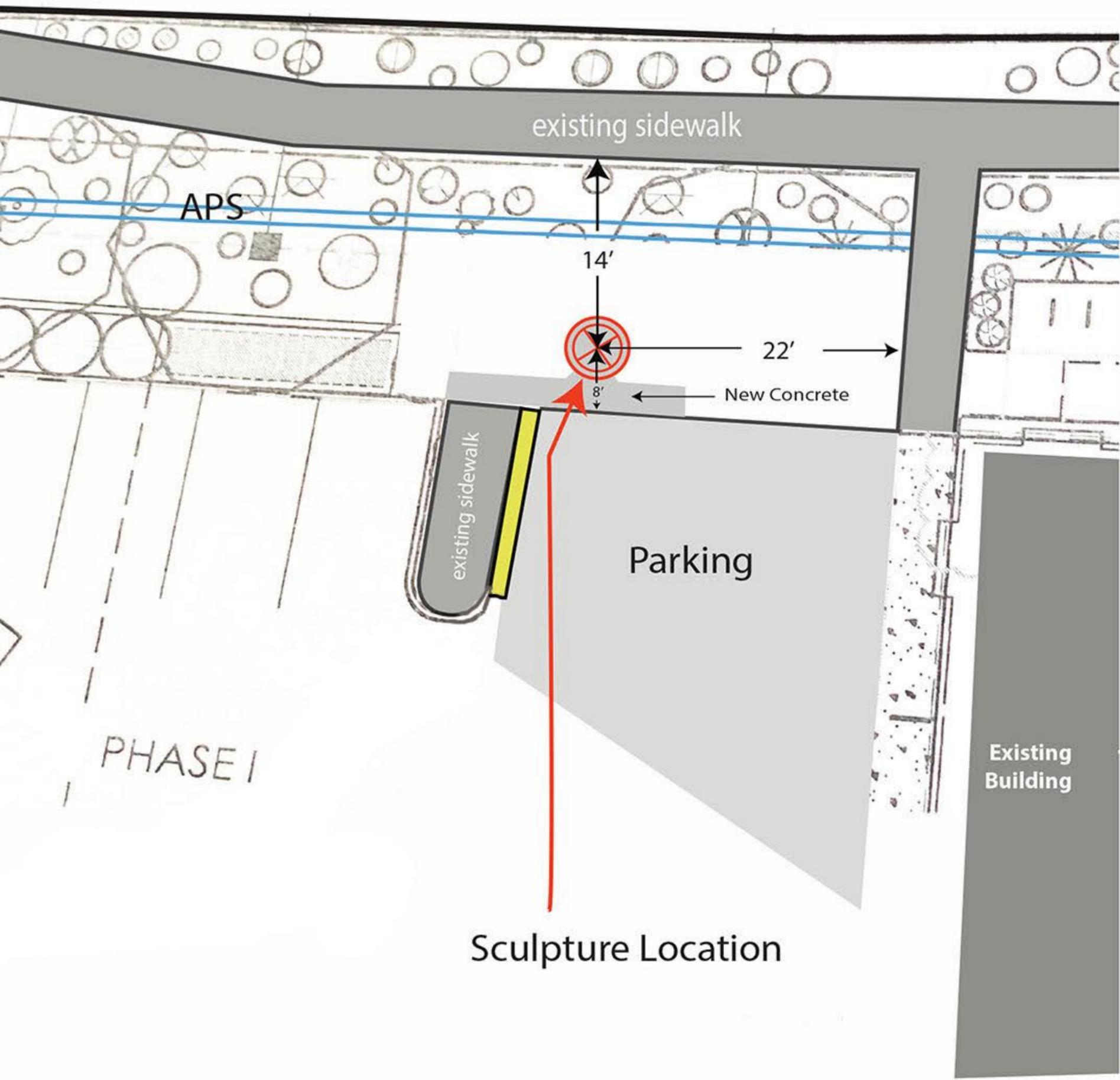
SOHO EXHIBIT



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Bahia



92nd Street



N

Global Unity
Sculpture Location

Global Unity

Sculpture Proposal

SOHO Phase 2

Scottsdale Public Art

Jeff Zischke

My sculpture proposal for the Soho phase 2 project is entitled " Global Unity "

I wanted to create a sculpture that is meaningful, that works as a landmark and will become an icon of north Scottsdale and Soho Condos. The sculpture also relates to the theme of: *Man, Nature* and *Technology*. The sculpture depicts men and women supporting each other, supporting our natural world, and the technology element incorporates modern computer controlled lighting and programming.

Meaningful

"Global Unity " relates directly to our communities helping humankind, our past present and future. We need to be mindful of our planet and work together striving to make our earth sustainable for us , our children and the people in the future.

Landmark

The sculpture will be a very tall sculpture measuring between 50 and 60' tall. The sculpture will be able to be seen from the length of bahia and possibly the 101 Freeway, and a Landmark for the entry into the Soho Condo projects.

Iconic

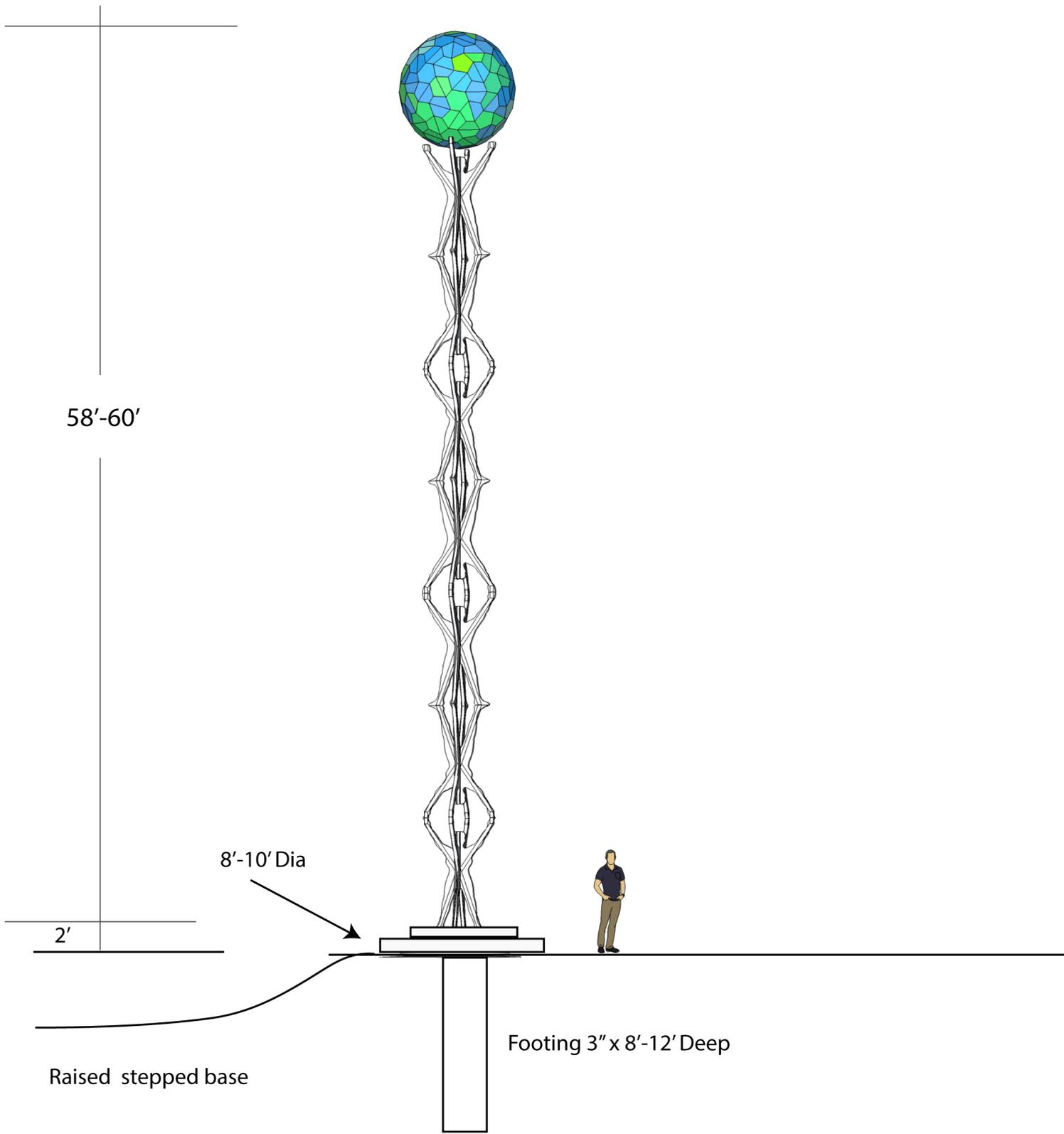
With The elements and scale of the sculpture I believe that the " Global Unity" sculpture will become a must see and must be seen next to sculpture for local and national visitors as well as those visiting from outside of the US.

Description

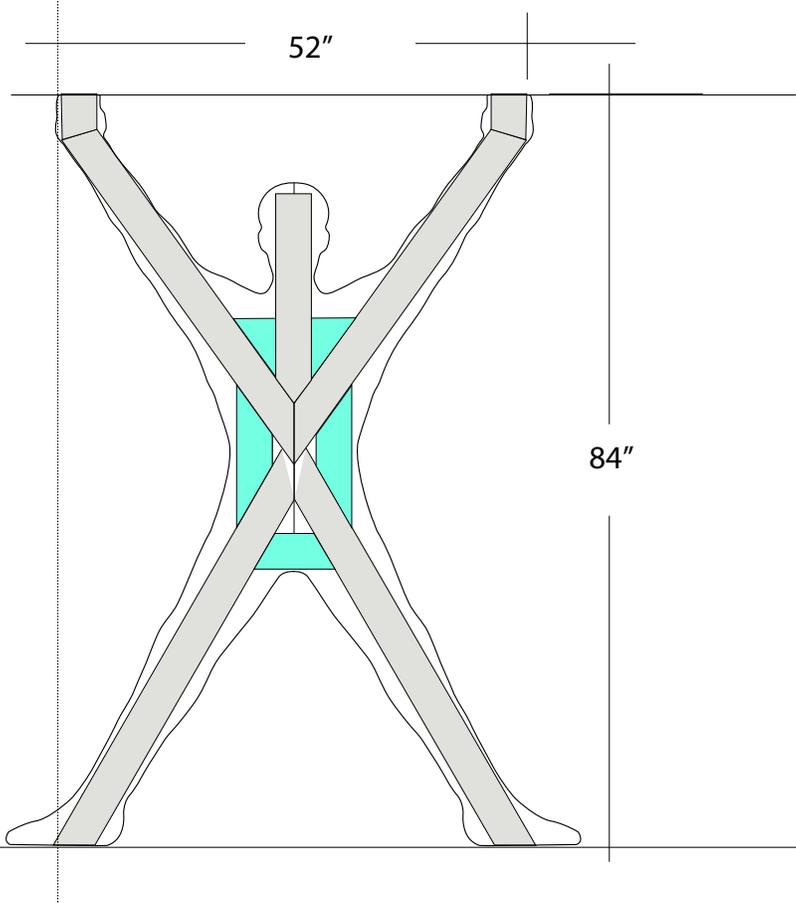
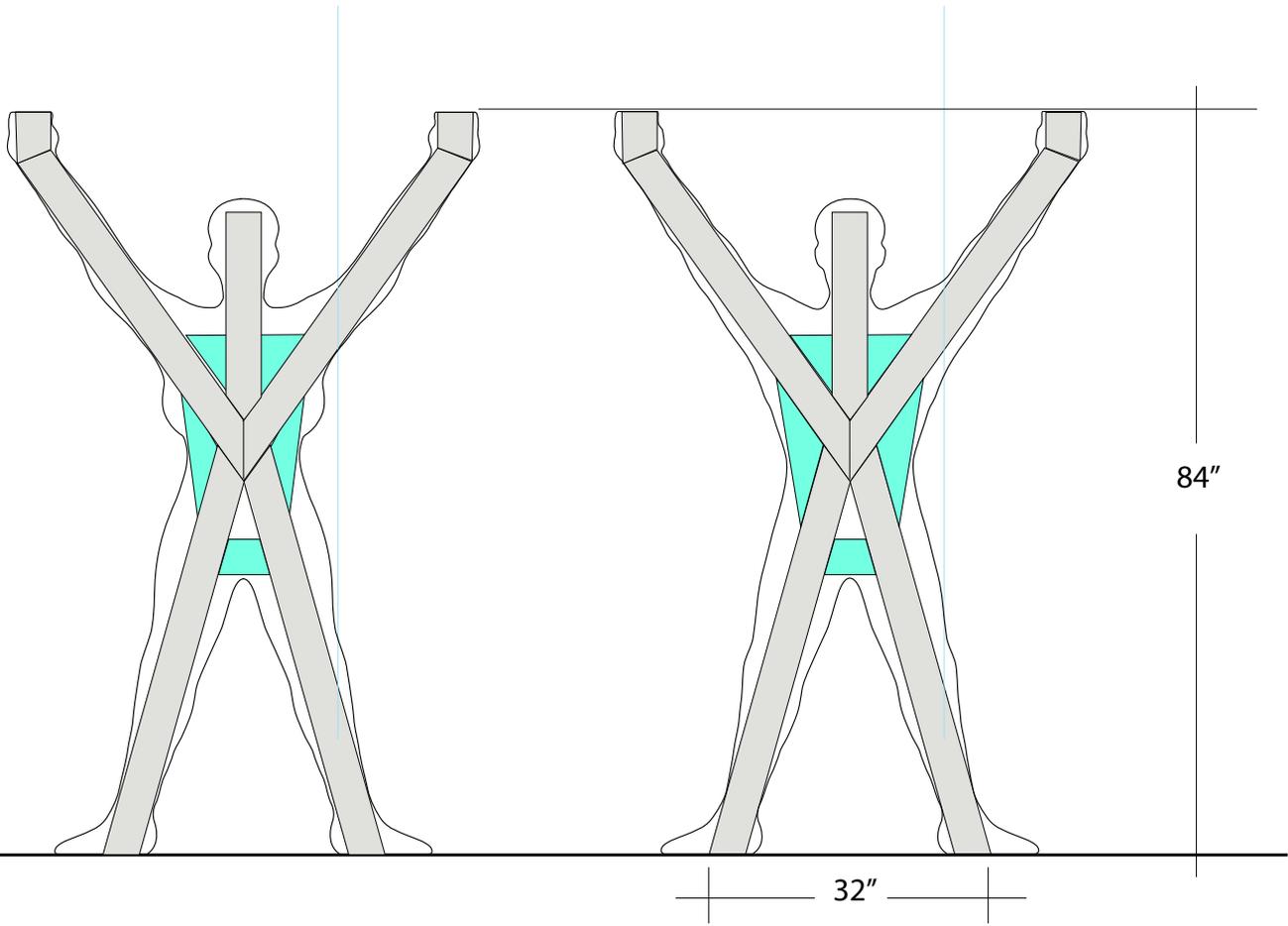
Silhouette figures of men and women made of stainless steel are clad to an exo truss system made of steel tubing with a kynar finish. There are 7 silhouette segments each measuring about 7' tall with the total height of the figures at about 50-60' . Attached to the top of the figures is a round globe measuring about 7' in Diameter and made of a modern aluminum truss design. Attached to the truss frame are 3Form colored translucent resin panels that are various shades of greens, blues and satin white: relating to the land masses, oceans and the polar ice caps of our earth. The panels will glow with the sunlight during the day creating an ephemeral colored and luminous ball and will be internally illuminated at night creating a radiant glow. The figures will also be illuminated with RGB LED lights. I picture the sculpture installed on a stepped concrete base in front of the SOHO building at Bahia and second st. or between the old and new condo buildings

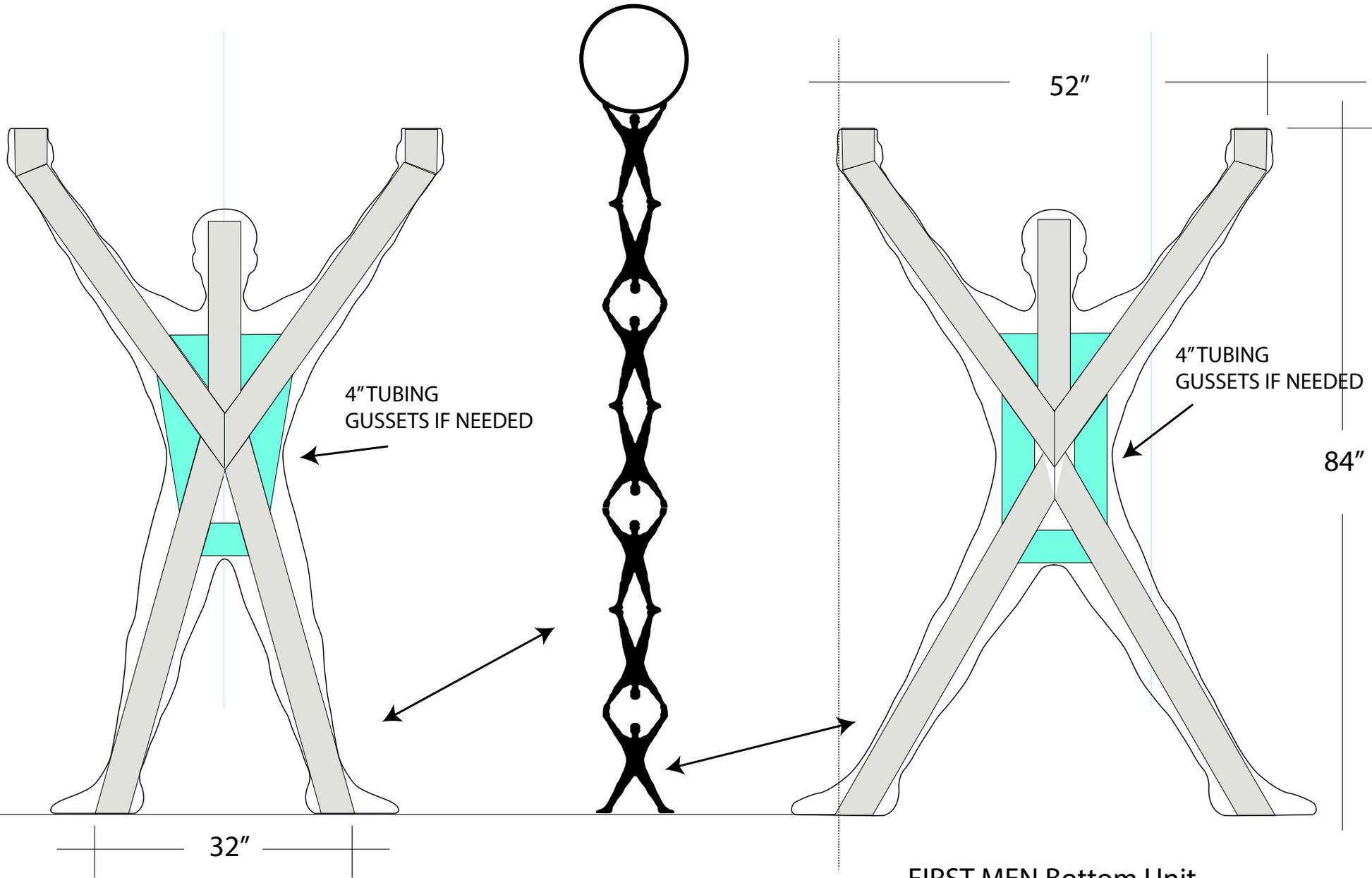
Durability

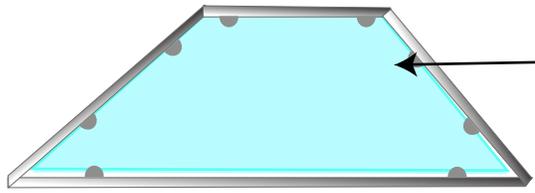
All of the materials used in this sculpture are extremely durable. The stainless steel panels and steel framework are virtually indestructible. The resin panels are specified and used on exterior, commercial architectural projects world wide and have been in use many years. The lighting that will be used will be exterior grade IP weatherproof rated LED RGB projector lights and or direct strip lights.



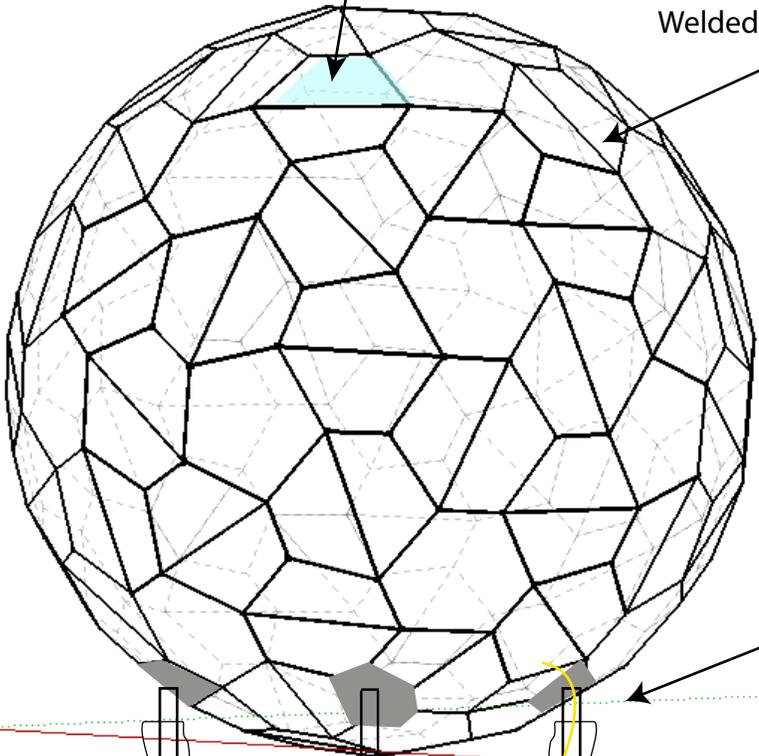
Global Unity		6.18.21
Scottsdale Public Art		Jeff Zischke
SOHO Phase 2		6400 East Cholla
Footing/Base	ZISCHKE	Scottsdale AZ. 85254







Aluminum framework with tabs to secure commercial grade translucent resin panels

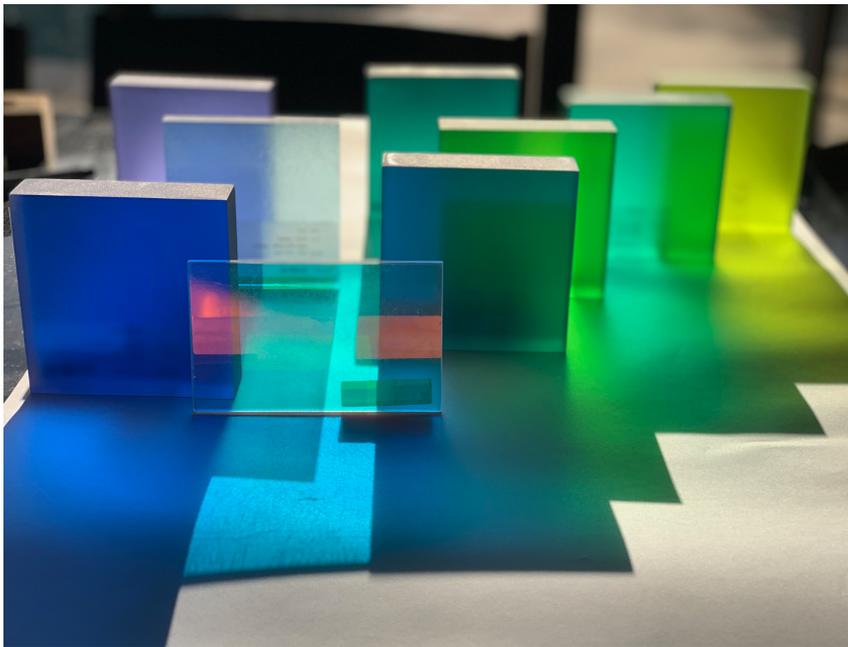
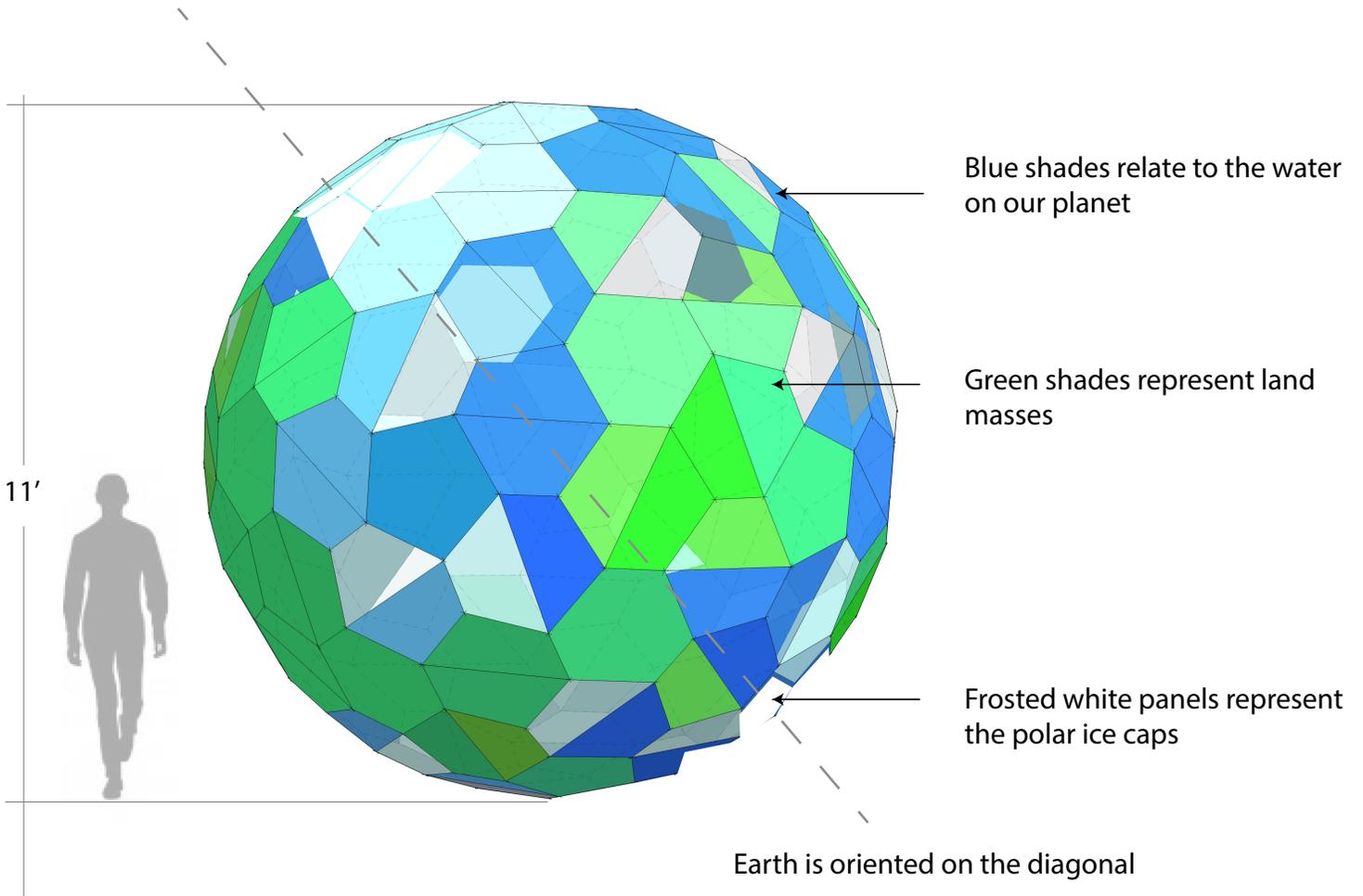


Welded aluminum tubing framework

Bolted and welded connections designed by engineer

Wired is routed through tubing to waterproof LED fixtures inside of globe

Global Unity		3.5.2021
Scottsdale Public Art		Jeff Zischke
SOHO Phase 2		6400 East Cholla
Globe Detail 2	ZISCHKE	Scottsdale AZ. 85254



← Examples of 3 Form "chroma" acrylic resin panels of various tones of greens, blues and frosted white.

Global Unity		3.5.2021
Scottsdale Public Art		Jeff Zischke
SOHO Phase 2		6400 East Cholla
Globe Detail 1	ZISCHKE	Scottsdale AZ. 85254

Lighting Description for Global Unity- SOHO

Enclosed is a lighting layout, and spec sheets for the exterior projector lights and The interior based globe lights.

There are 4 projector RGBW LED up lights that illuminate the sculpture (colorburst)
There are 3 White only vertically installed lights installed inside of the globe (Vaya)

Both sets of lights are independently controlled by an iplayer computer that can control:

Nightly colors (I propose having a single color per day on the sculpture during the week and multi colors on the weekend with possible slow fades from one color to the next)

Inside the globe we can adjust the intensity of the white only light which will illuminate colored 3 form resin panels that also work as diffusers

Global clock so that they can start and stop whenever we want.

Intensity and lumen output can be controlled by dimming the fixtures.

Ideally the iplayer controller would be installed in the developer's office.

-Jeff Zischke

ColorBurst Powercore gen2

Date: _____
Type: _____
Firm Name: _____
Project: _____

**RGBW, 8° Native (no spread lens),
Gray Housing, Landscape**

Exterior architectural and landscape spotlight with intelligent RGBW light

ColorBurst Powercore gen2 is a high-output, exterior-rated LED lighting luminaire designed for accent and site lighting. Standard format Architectural and Landscape luminaires deliver full-color light output of up to 1,293 lumens to support a range of dynamic uplighting, floodlighting, and decorative lighting applications.



- Expands customization with a wide range of new accessory options. In addition to the native 8° lens, six different spread lenses can customize the luminaire to produce 10°, 20°, 40°, 60°, 80°, and 10° x 40° (asymmetric) beam angles. Four housing color choices (black, gray, and white,)—plus the option to add a louver, full glare shield, and half glare shield—create new aesthetic possibilities for designers and architects.
- Improves color consistency between all LED luminaires in a family with Chromasync technology. During the manufacturing process a calibrated light measurement device creates an algorithm to define a common color gamut for an entire family of LED luminaires. When Chromasync is enabled, color consistency between luminaires is achieved without having to manually adjust color points on each luminaire.
- Complies with ASTM B117 corrosion resistance standard for > 1,500 hours.
- Features an innovative, redesigned optical system that improves the quality of light from each LED, enhancing the color uniformity and color mixing capabilities of each ColorBurst Powercore gen2 luminaire.
- Improves durability with new flat lens that prevents water from

pooling into the luminaire, keeping the LEDs protected and secure over the course of a luminaire's lifetime.

- Integrates patented Powercore technology that controls power output to luminaires directly from line voltage – rapidly, efficiently, and accurately. The Color Kinetics Data Enabler Pro merges line voltage with control data and delivers them to luminaires over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Universal power input range of 100 to 277 VAC.
- Works seamlessly with the complete Color Kinetics line of controllers, including ColorDial Pro, iPlayer 3, and Light System Manager – as well as third-party controllers.

For detailed product information, please refer to the Burst Product Guide at www.colorkinetics.com/global/products/rgb/colorburst-powercore-rgbw-gen2/

Date: _____
Type: _____
Firm Name: _____
Project: _____

Vaya Tube

4000 K, Ethernet & DMX, 1.2 m (4 ft) 150 mm (6 in) Pitch, UL, CE, CQC

Exterior compact linear direct view luminaire with crisp white accent lighting

Vaya Tube is a compact direct view linear LED lighting solution for exterior low-resolution graphic lighting applications. Designed for media graphics with a resolution up to 150 mm, the DMX and KiNet-controllable system can transform entire facades with bright and uniform light in White. The light-weight luminaire minimizes the loading onto structures and cladding elements, while run-lengths of up to 12 m (40 ft) per Control Module port (x2) allow for flexible wiring. Simple push'n'click connectors ensure a simple, fast and reliable installation.

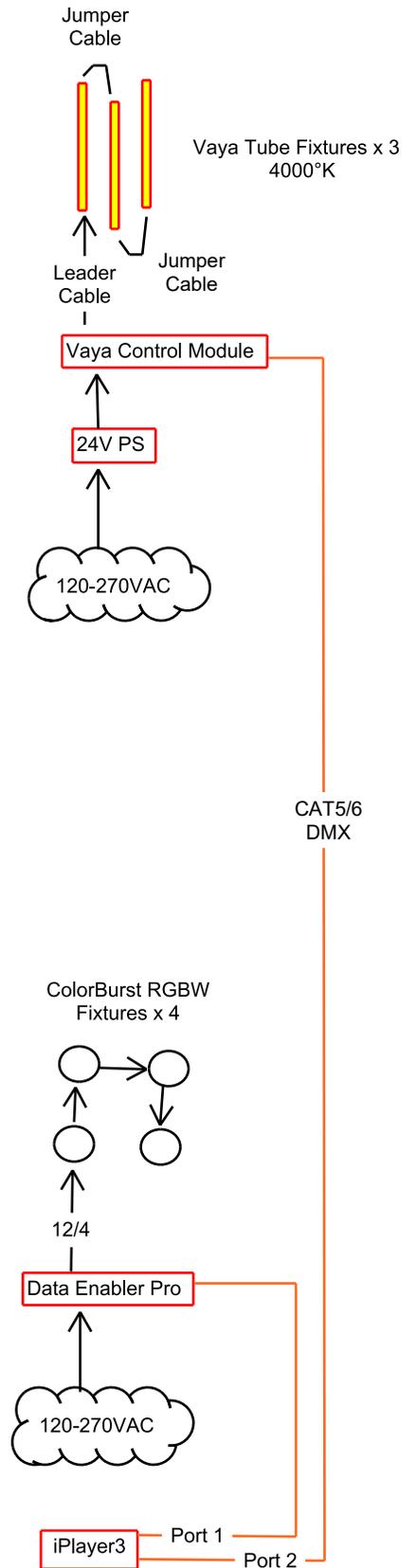
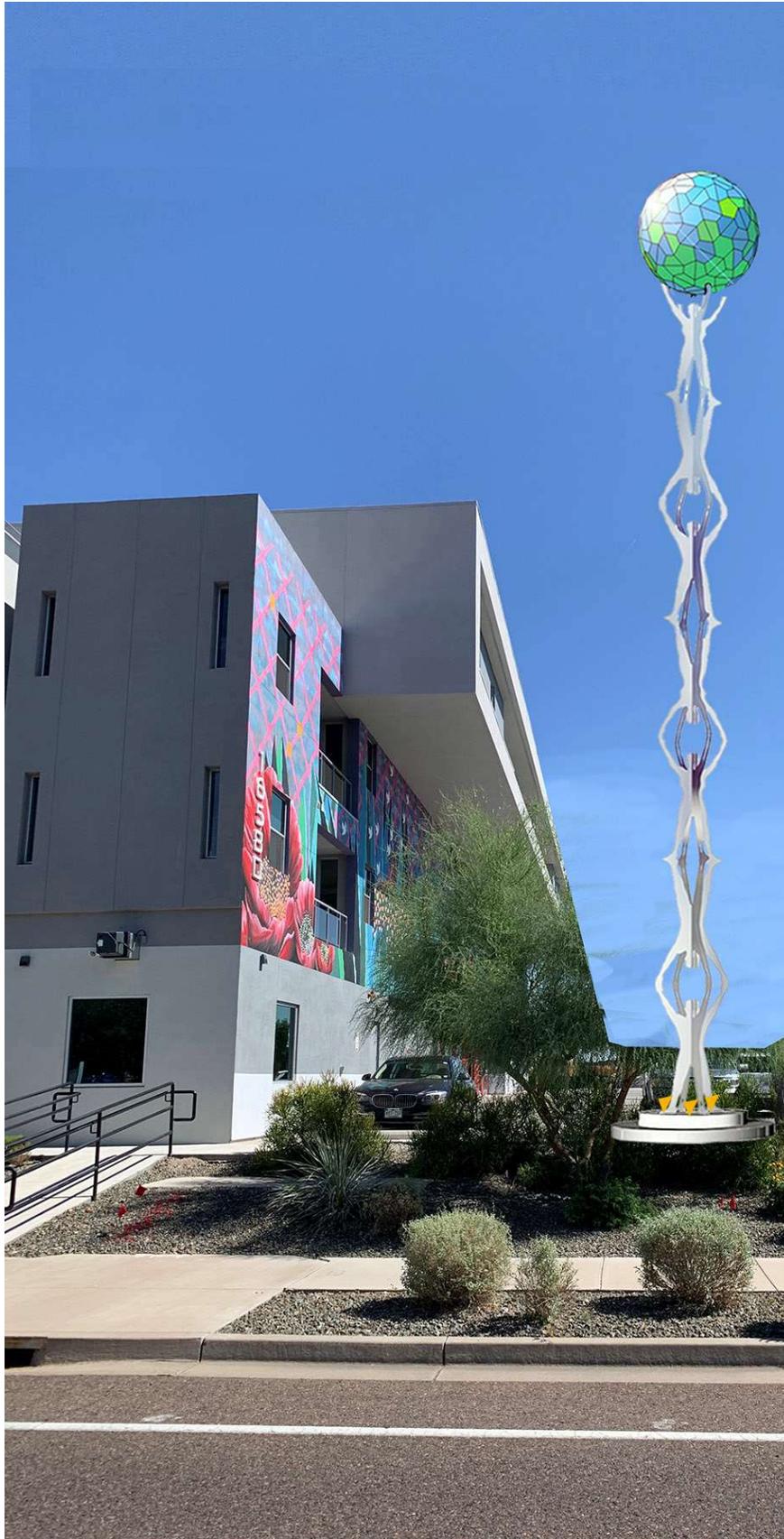


- Slim & Light-Weight - The slim form factor, different length options and light-weight of the luminaire ease the integration into façade cladding elements and minimize excess loading onto architectural structures.
- Uniform & Bright - Create a uniform band of light in a wide 180 degree viewing angle, while ensuring high visibility
- Contour & Content - Whether outlining the contour of a building, placing accents onto a façade or creating a media display of dynamic graphics, Vaya Tube places a variety of control options at your fingertips from static on/off setups to dynamic control in resolutions ranging from entire runs down to 150 mm (6 in) segments.
- Simple Wiring & Long Runlengths - With up to 12 m (40 ft) per Control Module port (x2), Vaya Tube offers flexibility in wiring and minimizes the number of required protrusions to the interior of the building. In static on-off applications, 14.4m (48 ft) of fixtures can be daisy-chained on a single power supply. Waterproof daisychain-connectors, combining low voltage power and data, make for simple, fast and reliable wiring connections.

For detailed product information, please refer to the Vaya Tube Product Guide at www.colorkinetics.com/global/products/vaya/tube-white/

COLORKINETICS
vaya series

Global Unity - Color Kinetics One Line Diagram



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Output

Color Temperature*	4000 K
Beam Angle	165° x 110°
Lumens†	809
On-Axis Candela	190
Efficacy (lm/W) ^{§§}	65.6
CRI	84

Electrical

Input Voltage	24 VDC
Power Consumption (Maximum at full output, steady state)	12 W

For additional Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.

Control

Interface	Kinet or DMX via Vaya Control Module On-Off via Power Leader Cable
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Control System

Full range of Color Kinetics controllers and trigger devices, as well as Dynalite or third-party controllers

Lumen Maintenance

Threshold [§]	Ambient Temperature	Reported ^{¶¶}	Calculated ^{¶¶}
L ₉₀	25 °C	> 60,000	> 100,000
	50 °C	> 60,000	61,000
L ₈₀	25 °C	> 60,000	> 100,000
	50 °C	> 60,000	> 100,000
L ₇₀	25 °C	> 60,000	> 100,000
	50 °C	> 60,000	> 100,000

Physical

Dimensions (Height x Width x Depth)	66 x 1,200 x 46.6 mm (2.6 x 47.24 x 1.83 in)
	66 x 1,200 x 34.2 mm (2.6 x 47.24 x 1.35 in) Including mounting bracket Excluding mounting bracket

Weight	780 g (1.7 lb)
Housing Material	Extruded polycarbonate, dark grey
Lens	Translucent plastic

Temperature Ranges

-40 to 50 °C (-40 to 122 °F) Operating
-20 to 50 °C (-4 to 122 °F) Startup
-40 to 80 °C (-40 to 176 °F) Storage

Vibration Resistance

Complies with ANSI C136.31

Mechanical Impact	IK09
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Corrosion Resistance

Complies with ASTM B117 standard for > 1,500 hours

Humidity	0 to 95%, non-condensing
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Luminaire Run Lengths

To calculate luminaire run lengths for your specific installation, download the Configuration Calculator from <http://www.colorkinetics.com/vaya/Configuration-Calculator/>

Certification and Safety

Approbation	UL/cUL, FCC Class A, CE, CQC, RCM
Environment	Dry/Damp/Wet Location, IP66

For additional Energy Efficiency Class Information, please refer to <https://colorkinetics.helpdocs.io/article/cviis2p8qq>.



* Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.

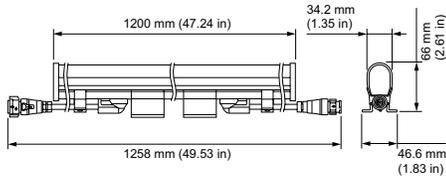
† 300 mm (1 ft) lumen output measurements comply with IES LM-79-08 testing procedures. 1200 mm (4 ft) measurements are estimated based on the 300 mm (1 ft) measurements.

§ L_{xx} = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B50, or the median value where 50% of the LED population is better than the reported or calculated lumen maintenance measurement.

§§ Efficacy measurements are estimated based on the 300 mm (1 ft) measurements.

¶¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

Dimensions

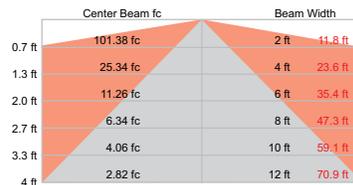


Photometrics 4000 K, 0.3 m (1 ft), UL/CE/CQC

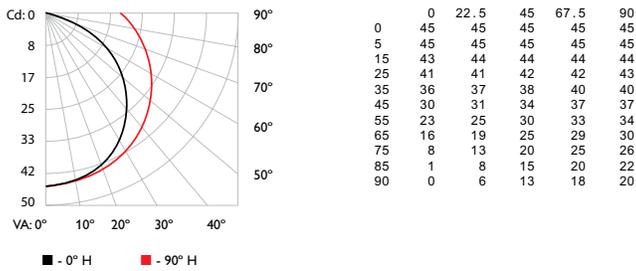
Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/global/support/ies.

Beam Angle	165° x 110°
LED	4000 K
Lumens	202
Efficacy (lm/W)	65.6

Illuminance at Distance



Polar Candela Distribution



6.7 ft (2 m)
1 fc maximum distance

■ Vert. Spread: 112.7°
■ Horiz. Spread: 167.1°

For lux multiply fc by 10.7

Luminaire and Accessories

Use Item Number when ordering in North America

Luminaire	Item Number	Item 12NC
Vaya Tube, 4000 K, Ethernet & DMX, 1.2 m (4 ft) 150 mm (6 in) Pitch, UL, CE, CQC	350-000014-07	912400130509
Accessories		
Vaya Control Module, Ethernet & DMX, 24V, IP66, 2-Port	320-000014-01	912400130537
Vaya Tube Leader-Jumper Cable, 15 m (50 ft), UL, CE, CQC	308-000014-05	912400133652
Vaya Tube Leader-Jumper Cable, 1.5 m (5 ft), UL, CE, CQC	308-000014-04	912400133651
Vaya Tube Leader-Jumper Cable, 0.3 m (1 ft), UL, CE, CQC	308-000014-09	912400134183
Vaya Tube Power Leader Cable, 15 m (50 ft), UL, CE, CQC – for static on-off applications only	308-000014-07	912400133654
Vaya Tube Power Leader Cable, 1.5 m (5 ft), UL, CE, CQC – for static on-off applications only	308-000014-06	912400133653
Power Supplies		
Power Supply, 320 W 24V, 100 to 277 V, IP67, UL/CE/PSE	309-000014-01	912400130539
Power Supply, 150 W 24V, 100 to 277V, IP67, UL, CE, PSE – for static on-off applications only	309-000014-00	912400130538
Replacement Parts		
Spare Part, X-Lock Terminator, 1PC	320-000014-02	912400134540

COLOR KINETICS

vaya series

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Color Kinetics
www.colorkinetics.com/global/products/vaya/tube-white/

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Output

Beam Angle	8°
Lumens All Channels Full On†	1,293
Efficacy (lm/W) All Channels Full On	40
LED Channels	Red/Green/Blue/White

Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
Power Consumption (Maximum at full output, steady state)	33 W
Power Factor	> 0.9 @ 100 to 240 VAC > 0.85 @ 277 VAC
Surge Limits¶	1 kV maximum differential (L to N) 2 kV maximum common (L to Gnd or N to Gnd)

For additional Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.

Control

Interface	Data Enabler Pro (DMX/Ethernet)
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Control System

Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers

Remote Monitoring & Management	Philips ActiveSite Ready, works with Interact Landmark
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Lumen Maintenance

Threshold§	Ambient Temperature	Reported¶¶	Calculated¶¶
L ₉₀	25 °C	> 51,000	> 100,000
	50 °C	> 51,000	60,140
L ₈₀	25 °C	> 51,000	> 100,000
	50 °C	> 51,000	> 100,000
L ₇₀	25 °C	> 51,000	> 100,000
	50 °C	> 51,000	> 100,000
L ₅₀	25 °C	> 51,000	> 100,000
	50 °C	> 51,000	> 100,000

† Lumen measurement complies with IES LM-79-08 testing procedures.

§ L50 = 50% lumen maintenance (when light output drops below 50% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

¶ Minimum surge limits per IEC 61547, tested in accordance with IEC 61000-4-5.

¶¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

Physical

Dimensions (Height x Width x Depth)	272 x 163 x 185 mm (10.7 x 6.42 x 7.28 in)
Weight	3.5 kg (7.7 lb)
Effective Projected Area (EPA)	26053 mm²
Housing Material	Die-cast aluminium, gray powder-coated finish
Lens	Clear tempered glass
Luminaire Connections	152 mm (6 in) flying leads

Temperature Ranges

-40 to 50 °C (-40 to 122 °F) Operating
-20 to 50 °C (-4 to 122 °F) Startup
-40 to 80 °C (-40 to 176 °F) Storage

Mechanical Impact	IK08
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Corrosion Resistance

Complies with ASTM B117 standard for > 1,500 hours

Humidity	0 to 95%, non-condensing
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Luminaire Run Lengths

To calculate luminaire run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/

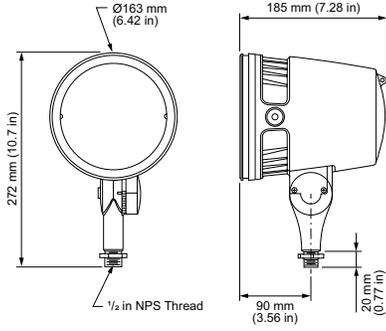
Certification and Safety

Approbation	UL/cUL, FCC Class A, CE, PSE, CQC, RCM
Environment	Dry/Damp/Wet Location, IP66

For additional Energy Efficiency Class Information, please refer to <https://colorkinetics.helpdocs.io/article/cviis2p8qq>.



Dimensions



Photometrics 8° native (no spread lens)

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/global/support/ies.

Beam Angle	8°
LED	RGBW
Lumens All Channels Full On	1,293.00
Efficacy (lm/W) All Channels Full On	40



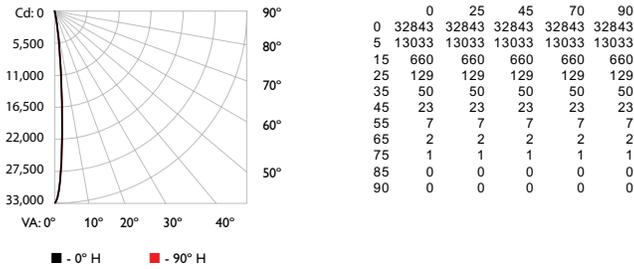
Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	2,053 fc	0.6 ft
8 ft	513 fc	1.2 ft
12 ft	228 fc	1.8 ft
16 ft	128 fc	2.4 ft
20 ft	82 fc	3.0 ft
24 ft	57 fc	3.6 ft

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,236.5	95.5%
0-40	1,267.7	97.9%
0-60	1,292.2	99.8%
0-90	1,294.9	100.0%
60-90	2.7	0.2%
70-100	0.7	0.1%
90-120	0.0	0.0%
90-180	0.5	0.0%
0-180	1,295.4	100.0%

Polar Candela Distribution



181 ft (55.2 m)
1 ft maximum distance

Vert. Spread: 8.5°
Horiz. Spread: 8.5°

For lux multiply fc by 10.7

Coefficients of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%														
	80	70	50	30	10	0	80	70	50	30	10	0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0
RCR:	0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06
	1	1.16	1.14	1.13	1.11	1.14	1.12	1.11	0.99	1.08	1.07	1.06	1.04	1.04	1.03
	2	1.13	1.10	1.08	1.06	1.11	1.09	1.06	0.97	1.05	1.04	1.02	1.03	1.01	1.00
	3	1.11	1.07	1.04	1.02	1.09	1.06	1.03	0.96	1.03	1.01	0.99	1.01	0.99	0.98
	4	1.08	1.04	1.01	0.99	1.07	1.03	1.00	0.94	1.01	0.99	0.97	0.99	0.98	0.96
	5	1.06	1.02	0.99	0.96	1.05	1.01	0.98	0.93	0.99	0.97	0.95	0.98	0.96	0.94
	6	1.04	1.00	0.97	0.94	1.03	0.99	0.96	0.92	0.98	0.95	0.94	0.97	0.95	0.93
	7	1.03	0.98	0.95	0.93	1.02	0.98	0.95	0.91	0.97	0.94	0.92	0.96	0.93	0.92
	8	1.01	0.96	0.93	0.91	1.00	0.96	0.93	0.89	0.95	0.93	0.91	0.94	0.92	0.90
	9	1.00	0.95	0.92	0.90	0.99	0.95	0.92	0.89	0.94	0.92	0.90	0.93	0.91	0.89
	10	0.99	0.94	0.91	0.89	0.98	0.94	0.91	0.88	0.93	0.91	0.89	0.92	0.90	0.89

Luminaire and Accessories

Use Item Number when ordering in North America

Luminaire	Item Number	Item 12NC
ColorBurst Powercore gen2, RGBW, Gray Housing, Landscape	423-000004-20	912400135477
Accessories		
Trim Ring gen2, Gray	120-000189-20	912400135449
Half Glare Shield gen2, Gray	120-000189-24	912400135453
Full Glare Shield gen2, Gray	120-000189-28	912400135457
Louver	120-000189-17	912400133447
10° Spread Lens	120-000189-18	912400135371
20° Spread Lens	120-000189-12	912400133442
40° Spread Lens	120-000189-13	912400133443
60° Spread Lens	120-000189-14	912400133444
80° Spread Lens	120-000189-15	912400133445
Spread Lens, 10°x40°	120-000189-16	912400133446
Wiring Compartment, 4 in diameter, Gray, CE (cover not included)	106-000011-42	910503703277
Wiring Compartment, 4 in diameter, Gray, UL (cover not included)	106-000011-32	910503704149
Power/Data Supplies		
Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	106-000004-00	910503701210
Data Enabler Pro, PG21/PG13 (metric size conduit)	106-000004-01	910503701211



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Color Kinetics
www.colorkinetics.com/global/products/rgb/colorburst-powercore-rgbw-gen2/



Zoning Aerial

56-DR-2014#4

From: [NoReply](#)
To: [Projectinput](#)
Subject: Art???
Date: Wednesday, February 02, 2022 1:22:10 PM



We don't need anymore giant legos in the neighborhood. Please post what the art will be that is the only way we will know if we agree or not -- sent by Jim hartsock (case# 56-DR-2014#4)

City of Scottsdale



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