

DEVELOPMENT REVIEW BOARD REPORT



Meeting Date: July 21, 2022
General Plan Element: *Character and Design*
General Plan Goal: *Foster quality design that enhances Scottsdale as a unique southwestern desert community.*

ACTION

Project Cactus
52-DR-2021 | Request for approval of a site plan, landscape plan, and building elevations for a proposed airplane hangar development with approximately 41,700 square feet of building area on a +/- 3.26-acres site.

SUMMARY

Staff Recommendation

Approve, subject to the attached stipulations (Attachment #6)

Items for Consideration

- Conformance with Development Review Board Criteria
- Integration of Sensitive Design Principles
- Architecture utilizes desert colors and variety of building materials
- Significant landscape buffer width along E. Greenway Road frontage
- Proposed hangar development within Scottsdale Airport

BACKGROUND

Location: 7819 E Greenway Road & 15290 N 78th Way

Zoning: I-1 (C), Industrial Park (Conditional) and I-1, Industrial Park

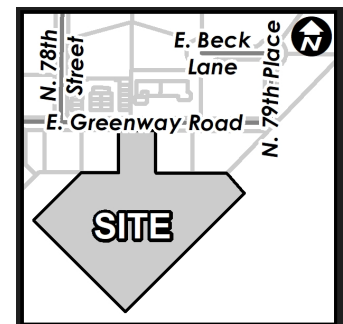
Adjacent Uses

North: Multi-tenant office building, zoned I-1

East: Auto part sales, zoned I-1 (C)

South: Scottsdale airport property, zoned I-1

West: Multi-tenant office building, zoned I-1 (C)



Property Owner

Jet Aviation Scottsdale &

City of Scottsdale

Applicant

Laurie Whitney, Mead and Hunt

(608) 443-0558

Architect/Designer

Mead and Hunt

Engineer

Mead and Hunt

DEVELOPMENT PROPOSAL

The applicant is requesting design approval of a new 41,681 square foot airplane hangar development which includes hangar area, a terminal facility, and office and industrial space. Much of the development, including the building, aircraft operations and staging area, internal drive aisle, and required parking spaces are located on the City of Scottsdale Airport property via a long-term lease agreement. A smaller portion of the overall development, used for ancillary vehicle storage for clients, will be located on the parcel abutting E. Greenway Road. These additional parking spaces will be shaded by canopies. The street frontage along E. Greenway Road includes one gated vehicular entrance into the project, 50' of landscaped area, and a 6' tall decorative screen wall. The building elevations are composed of tilt up concrete panels and Portland cement paster with various tan desert colors.

Development Review Board Criteria

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

STAFF RECOMMENDED ACTION

Staff recommends that the Development Review Board approve the Project Cactus development proposal per the attached stipulations, finding that the Character and Design Element of the General Plan and Development Review Board Criteria have been met.

RESPONSIBLE DEPARTMENTS

Community and Economic Development
Current Planning

Community and Economic Development
Aviation

STAFF CONTACTS

Katie Posler
Senior Planner
480-312-2703 Email: kposler@scottsdaleaz.gov

Gary Mascaro
Aviation Director
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APPROVED BY



Katie Posler, Senior Planner, Report Author

7/7/2022

Date



Brad Carr, AICP, LEED-AP, Planning & Development Area Manager
Development Review Board Liaison

Phone: 480-312-7713 Email: bcarr@scottsdaleaz.gov

7/11/2022

Date



Erin Perreault, AICP, Executive Director
Planning, Economic Development, and Tourism

Phone: 480-312-7093 Email: eperreault@scottsdaleaz.gov

07/12/2022

Date

ATTACHMENTS

1. Context Aerial
2. Close-up Aerial
3. Applicant's Narrative
4. Development Review Board Criteria Analysis
5. Development Information
6. Stipulations / Zoning Ordinance Requirements
7. Site Plan and Site Details
8. Open Space Plan
9. Landscape Plans
10. Building Elevations
11. Perspectives
12. Materials and Colors Board
13. Electrical Site Plan
14. Exterior Photometrics Plan
15. Exterior Lighting Cutsheets
16. Zoning Map
17. City Notification Map
18. Public Comment



Context Aerial

52-DR-2021



Close-up Aerial

52-DR-2021



December 20, 2021

Scottsdale Planning and Development Services
City of Scottsdale
7447 E Indian School Road Suite 105
Scottsdale, AZ 85251

Subject: Project Number 607-PA-2021 – Jet Aviation Project Cactus
Development Review Board Submittal – Application Narrative

To Whom It May Concern,

The following shall serve as the application narrative for the subject project.

Project Narrative – Project Description

Jet Aviation Scottsdale, LLC. is developing a project located at two adjacent properties, 7819 E Greenway Road and a leased portion of City Airport-owned 14901 North Airport Drive to support Jet Aviation's business at Scottsdale Airport. The Greenway Road property will be a vehicle storage use, with vehicles stored for 1-2 weeks up to multiple months while customers are away from Scottsdale. The leased portion of the City Airport-owned property will include ramp parking for aircraft, a hangar, a terminal, and a vehicle parking lot to support building use. Both properties are zoned I-1 and are completely surrounded by I-1 properties. The Greenway Road property is 35,020 SF (0.8 acres) and the developed portion of the leased property is 107,314 SF (2.46 acres).

Project Narrative – DRB Review Criteria Compliance

This project will comply with all Design Review Board Criteria as defined in the Scottsdale Zoning Ordinance, Section 1.904. The method of compliance for each is further defined below:

A. In considering any application for development, the Development Review Board shall be guided by the following criteria:

- 1. The Board shall examine the design and theme of the application for consistency with the design and character components of the applicable guidelines, development standards, Design Standards and Policies Manual, master plans, character plan and General Plan.*

ATTACHMENT #3

Response: The design and theme of Project Cactus takes its inspiration from the silhouette of a saguaro cactus against the bold sunset of a Scottsdale sky. Strong vertical elements evoke the architectural form of the cactus as windows, columns, and louvers. The building façade serves as a canvas for the sunset with the stucco mass walls taking on the color of the sky juxtaposed by transparent, layered glass walls at the terminal which evoke the layers and gradient of the McDowell Mountains to the east.

2. The architectural character, landscaping and site design of the proposed development shall:

- a. Promote a desirable relationship of structures to one another, to open spaces and topography, both on the site and in the surrounding neighborhood;*

Response: The scale and character of the proposed building fits within the context of adjacent structures at the airfield while the parking canopies relate to the scale and simple form of similar structures along E Greenway. The site is welcoming with a soft, natural palette of plantings at the front yard contrasted by a bold line of palms drawing people into the site. A large planted open space with textured pavement works in concert with the main building entry to create a sense of arrival. The larger hangar and terminal building are positioned at the lower portion of the site, taking advantage of the topography.

- b. Avoid excessive variety and monotonous repetition;*

Response: The entire structure is cohesive in material and architectural language while providing interest through the movement of color across the facades, the asymmetrical balance of strong horizontal and vertical elements and the play of solid and void. The aircraft hangar mass is broken down by utilizing vertical and horizontal reveals in tilt-up concrete panels as well as strong vertical gestures with ribbed metal panel evoking the texture of a saguaro.

- c. Recognize the unique climatic and other environmental factors of this region to respond to the Sonoran Desert environment, as specified in the Sensitive Design Principles;*

Response The building was designed through an integrative process leveraging building performance modeling tools such as Cove.Tool and guidance from the City's Sensitive Design Principles. The building is intended to create an atmosphere of possibility with expansive and uplifting views. To achieve these views while also responding to the impact of solar heat gain and glare, the spatial arrangement of functions orients glazing to the north and utilizes overhangs and strategic plantings to shade the glazing to the southeast. A roof plaza was created to provide opportunity to enjoy the view of the mountains and weather. Colors for the structure are warm and

natural with plantings providing native contrast and interest across the seasons. The roof structures at the hangar and at the canopies are designed for the future addition of solar panels to further capitalize on the conditions at the site.

d. Conform to the recommendations and guidelines in the Environmentally Sensitive Lands (ESL) Ordinance, in the ESL Overlay District; and

Response: Not applicable to this project, as the site is not considered Environmentally Sensitive Land.

e. Incorporate unique or characteristic architectural features, including building height, size, shape, color, texture, setback or architectural details, in the Historic Property Overlay District.

Response: Not applicable to this project, as site is not located in the Historic Property Overlay District.

3. Ingress, egress, internal traffic circulation, off-street parking facilities, loading and service areas and pedestrian ways shall be so designed as to promote safety and convenience.

Response: All traffic circulation, parking, loading areas and pedestrian ways have been designed for safety and convenience, meeting City of Scottsdale design standards.

4. If provided, mechanical equipment, appurtenances and utilities, and their associated screening shall be integral to the building design.

Response: All mechanical equipment and utilities are screened by parapet or screen walls which are integrated into the building design or by landscaping.

5. Within the Downtown Area, building and site design shall:

a. Demonstrate conformance with the Downtown Plan Urban Design & Architectural Guidelines;

Response: Not applicable to this project, as the project is not located within the Downtown Area.

b. Incorporate urban and architectural design that address human scale and incorporate pedestrian-oriented environment at the street level;

Response: Not applicable to this project, as the project is not located within the Downtown Area.

c. Reflect contemporary and historic interpretations of Sonoran Desert architectural traditions, by subdividing the overall massing into smaller elements, expressing small scale details, and recessing fenestrations;

Response: Not applicable to this project, as the project is not located within the Downtown Area.

d. Reflect the design features and materials of the urban neighborhoods in which the development is located; and

Response: Not applicable to this project, as the project is not located within the Downtown Area.

e. Address building mass, height, materials, and intensity transitions between adjacent/abutting Type 1 and Type 2 Areas, and adjacent/abutting Type 2 Areas and existing development outside the Downtown Area.

Response: Not applicable to this project, as the project is not located within the Downtown Area.

6. The location of artwork provided in accordance with the Cultural Improvement Program or Public Art Program shall address the following criteria:

a. Accessibility to the public;

Response: This project is not required to provide artwork in accordance with the Cultural Improvement Program or Public Art Program.

b. Location near pedestrian circulation routes consistent with existing or future development or natural features;

Response: This project is not required to provide artwork in accordance with the Cultural Improvement Program or Public Art Program.

c. Location near the primary pedestrian or vehicular entrance of a development;

Response: This project is not required to provide artwork in accordance with the Cultural Improvement Program or Public Art Program.

d. Location in conformance with the Design Standards and Policies Manual for locations affecting existing utilities, public utility easements, and vehicular sight distance requirements; and

Response: This project is not required to provide artwork in accordance with the Cultural Improvement Program or Public Art Program.

e. Location in conformance to standards for public safety.

Response: This project is not required to provide artwork in accordance with the Cultural Improvement Program or Public Art Program.

B. The burden is on the applicant to address all applicable criteria in this section.

Response: Please see additional supporting information provided in this DRB submittal.

Sincerely,

A handwritten signature in black ink that reads "Laurie Whitney". The signature is written in a cursive, flowing style.

Laurie Whitney, Project Architect

MEAD & HUNT, Inc.

DEVELOPMENT REVIEW BOARD CRITERIA ANALYSIS

Per Section 1.904. of the Zoning Ordinance, in considering any application for development, the Development Review Board shall be guided by the following criteria:

1. The Board shall examine the design and theme of the application for consistency with the design and character components of the applicable guidelines, development standards, Design Standards and Policies Manual, master plans, character plan and General Plan.
 - *The applicant states the design and theme of Project Cactus takes its inspiration from the silhouette of a saguaro cactus against the bold sunset of a Scottsdale sky. Strong vertical elements evoke the architectural form of the cactus as windows, columns, and louvers. The building façade serves as a canvas for the sunset with the stucco mass walls taking on the color of the sky juxtaposed by transparent, layered glass walls at the terminal which evoke the layers and gradient of the McDowell Mountains to the east.*
 - *Staff finds the project is consistent with the General Plan 2035, Design Standards and Policies Manual, and Zoning Ordinance standards.*
2. The architectural character, landscaping and site design of the proposed development shall:
 - a. Promote a desirable relationship of structures to one another, to open spaces and topography, both on the site and in the surrounding neighborhood;
 - b. Avoid excessive variety and monotonous repetition;
 - c. Recognize the unique climatic and other environmental factors of this region to respond to the Sonoran Desert environment, as specified in the Sensitive Design Principles;
 - d. Conform to the recommendations and guidelines in the Environmentally Sensitive Lands (ESL) Ordinance, in the ESL Overlay District; and
 - e. Incorporate unique or characteristic architectural features, including building height, size, shape, color, texture, setback or architectural details, in the Historic Property Overlay District.
 - *The applicant states the scale and character of the proposed building fits within the context of adjacent structures at the airfield while the parking canopies relate to the scale and simple form of similar structures along E Greenway. The site is welcoming with a soft, natural palette of plantings at the front yard contrasted by a bold line of palms drawing people into the site. A large planted open space with textured pavement works in concert with the main building entry to create a sense of arrival. The larger hangar and terminal building are positioned at the lower portion of the site, taking advantage of the topography.*
 - *The entire structure is cohesive in material and architectural language while providing interest through the movement of color across the facades, the asymmetrical balance of strong horizontal and vertical elements and the play of solid and void. The aircraft hangar mass is broken down by utilizing vertical and horizontal reveals in tilt-up concrete panels as well as strong vertical gestures with ribbed metal panel evoking the texture of a saguaro.*
 - *The building was designed through an integrative process leveraging building performance modeling tools such as Cove. Tool and guidance from the City's Sensitive*

Design Principles. The building is intended to create an atmosphere of possibility with expansive and uplifting views. To achieve these views while also responding to the impact of solar heat gain and glare, the spatial arrangement of functions orients glazing to the north and utilizes overhangs and strategic plantings to shade the glazing to the southeast. A roof plaza was created to provide opportunity to enjoy the view of the mountains and weather. Colors for the structure are warm and natural with plantings providing native contrast and interest across the seasons. The roof structures at the hangar and at the canopies are designed for the future addition of solar panels to further capitalize on the conditions at the site.

- *Staff finds that the building is composed of concrete tilt up panels and Portland cement plaster, which is often used in the Greater Airpark Character Area. The facade is broken up with vertical and horizontal elements, including building reveal lines and tan metal accent panels. The main entrance and 2nd floor patio, located on the northeast corner of the building, feature large windows, hazelnut brown alumaboard canopies, and three grouped vertical metal columns for added visual interest. The neutral color palette of Sherman Williams' "Natural Choice", warm white, buckskin, and hazelnut brown align with the Sensitive Design Principles. The landscape plan provides 50 feet of landscaping along the street frontage, perimeter planting, islands between parking canopies, and base planting adjacent to the building.*
3. Ingress, egress, internal traffic circulation, off-street parking facilities, loading and service areas and pedestrian ways shall be designed as to promote safety and convenience.
 - *The applicant states all traffic circulation, parking, loading areas and pedestrian ways have been designed for safety and convenience, meeting City of Scottsdale design standards.*
 - *Staff finds that there is one gated vehicular entrance to the site along E. Greenway Road and a 6' wide sidewalk connection to the parking and lobby area. Refuse access is via an internal drive aisle and will not be visible from the public street. Airport operations and staging areas are gated and fenced off for safety.*
 4. If provided, mechanical equipment, appurtenances and utilities, and their associated screening shall be integral to the building design.
 - *The applicant states all mechanical equipment and utilities are screened by parapet or screen walls which are integrated into the building design or by landscaping.*
 - *Staff finds that all roof mounted equipment will be screened by a parapet and SES areas are screened by a site wall enclosure area.*
 5. Within the Downtown Area, building and site design shall:
 - a. Demonstrate conformance with the Downtown Plan Urban Design & Architectural Guidelines;
 - b. Incorporate urban and architectural design that address human scale and incorporate pedestrian-oriented environment at the street level;
 - c. Reflect contemporary and historic interpretations of Sonoran Desert architectural traditions, by subdividing the overall massing into smaller elements, expressing small scale details, and recessing fenestrations;

- d. Reflect the design features and materials of the urban neighborhoods in which the development is located; and
 - e. Incorporate enhanced design and aesthetics of building mass, height, materials and intensity with transitions between adjacent/abutting Type 1 and Type 2 Areas, and adjacent/abutting Type 2 Areas and existing development outside the Downtown Area.
 - *This criterion is not applicable.*
6. The location of artwork provided in accordance with the Cultural Improvement Program or Public Art Program shall address the following criteria:
- a. Accessibility to the public;
 - b. Location near pedestrian circulation routes consistent with existing or future development or natural features;
 - c. Location near the primary pedestrian or vehicular entrance of a development;
 - d. Location in conformance with Design Standards and Policies Manual for locations affecting existing utilities, public utility easements, and vehicular sight distance requirements; and
 - e. Location in conformance to standards for public safety.
 - *This criterion is not applicable.*

DEVELOPMENT INFORMATION

Zoning History

The subject sites were annexed into the City in 1962 under Ordinance 165. The airport parcel was rezoned to I-1, Industrial Park in 1964 (via case 47-ZN-1964) for the already established aeronautical uses in place and the smaller parcel was rezoned from R1-35, Single-family Residential to I-1 (C), Industrial Park Conditional in 1974 (via case 45-ZN-1974). The I-1 District is intended to provide for light manufacturing, aeronautical, light industrial, office and supportive uses to sustain and enhance major employment opportunities.

Community Involvement

With the submittal of the application, staff notified all property owners within 750 feet of the site and a hearing sign has been posted. Staff has received verbal and written comments regarding how the proposed hangar development will result in the removal of existing aircraft parking canopy spaces.

Context

The site is surrounded by other office, warehouse, hangars, and aviation uses and is located within the Greater Airpark Character Area. Please see context graphics.

Project Data

- Existing Use: Office building, associated improvements, and aircraft parking canopies to be demolished
- Proposed Use: Airplane hangar development
- Development Size: 142,334 square feet / 3.26 acre (net)
- Total Building Area: 41,681 square feet
- Floor Area Ratio Allowed: 0.8
- Floor Area Ratio Provided: 0.3
- Building Height Allowed: 52 feet
- Building Height Proposed: 41 feet 2 inches
- Parking Required: 28 spaces
- Parking Provided: 68 spaces (29 for required building square footage and 39 extra for vehicle storage)
- Open Space Required: 13,308 square feet / 0.30 acre
- Open Space Provided: 20,510 square feet / 0.47 acre

**Stipulations for the
Development Review Board Application:
Project Cactus
Case Number: 52-DR-2021**

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. Architectural elements, including dimensions, materials, form, color, and texture shall be constructed to be consistent with the building elevations submitted by Mead and Hunt, with a city staff date of 7/8/22.
 - b. The location and configuration of all site improvements shall be consistent with the site plan submitted by Mead and Hunt, with a city staff date of 7/8/22.
 - c. Landscape improvements, including quantity, size, and location shall be installed to be consistent with the preliminary landscape plan submitted by Mead and Hunt, with a city staff date of 7/8/22.
 - d. The case drainage report submitted by Mead and Hunt and accepted in concept by the Stormwater Management Department of the Planning and Development Services.
 - e. The water and sewer basis of design report submitted by Mead & Hunt and accepted by the Water Resources Department.

RELEVANT CASES:

Ordinance

- A. At the time of review, the applicable zoning cases were: 47-ZN-1964 and 45-ZN-1974.

ARCHAEOLOGICAL RESOURCES:

Ordinance

- B. 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.

ARCHITECTURAL DESIGN:

DRB Stipulations

2. All exterior window glazing shall be recessed a minimum of fifty (50) percent of the wall depth, including glass windows within any tower/clerestory elements. The amount or recess shall be measured from the face of the exterior wall to the face of the glazing, exclusive of external detailing. With the final plan submittal, the developer shall provide head, jamb and sill details clearly showing the amount of recess for all window types.

3. All exterior doors shall be recessed a minimum of thirty (30) percent of the wall depth, the amount of recess shall be measured from the face of the exterior wall to the face of the glazing, exclusive of external detailing. With the final plan submittal the developer shall provide head, jamb and sill details clearly showing the amount of recess for all door types.
4. Roof drainage systems, excluding overflow scuppers, shall be interior to the building.
5. SES area shall be within a site wall enclosure per the submitted DRB site plan.

SITE DESIGN:

DRB Stipulations

6. All drive aisles that are fire lanes shall have a width of twenty-four (24) feet.
7. Prior to issuance of any building permit for the development project, the property owner shall submit plans and receive approval to construct all refuse enclosures in conformance with the City of Scottsdale Supplements to MAG Standard Details. Project Owner shall mark refuse truck service route as no parking and shall not allow loading and unloading to occur within refuse truck service route, construction plan notes and requirements, shall be made accordingly.
8. The smaller parcel (APN: 215-56-091A) works in conjunction with the larger airplane hangar development by providing accessory vehicle storage and required open space for the overall development area. The smaller parcel shall not be converted to another land use or redeveloped without planning staff review and approval.

LANDSCAPE DESIGN:

Ordinance

- C. The property owner shall obtain approval of a Salvage/Native Plant Plan Application, and obtain a permit to remove any tree.

DRB Stipulations

9. Prior to the issuance of any building permit for the development project, the property owner shall submit landscape improvement plans that demonstrate how the salvaged vegetation from the site will be incorporated into the design of the landscape improvements.
10. With the final plans submittal, the property owner shall update the landscape plans to show all utility lines and ensure that all new trees are placed at least eight (8) feet away from any utility lines.

EXTRIOR LIGHTING:

Ordinance

- D. All exterior luminaires mounted eight (8) feet or higher above finished grade, shall be directed downward.
- E. Any exterior luminaire with a total initial lumen output of greater than 1600 lumens shall have an integral lighting shield.
- F. Any exterior luminaire with a total initial lumen output of greater than 3050 lumens shall be directed downward and comply with the Illuminating Engineering Society of North America (IES) requirements for full cutoff.

DRB Stipulations

11. All exterior luminaires shall meet all IES requirements for full cutoff, and shall be aimed downward and away from property line except for sign lighting.
12. Incorporate the following parking lot and site lighting into the project's design:
 - a. The maintained average horizontal luminance level, at grade on the site, shall not exceed 2.0 foot-candles. All exterior luminaires shall be included in this calculation.
 - b. The maintained maximum horizontal luminance level, at grade on the site, shall not exceed 8.0 foot-candles. All exterior luminaires shall be included in this calculation.
 - c. The initial vertical luminance at 6-foot above grade, along the entire property line shall not exceed 0.8 foot-candles. All exterior luminaires shall be included in this calculation.
 - d. All exterior lighting shall have a color temperature of 3,000 Kelvin or less.
 - e. The total lumen per luminaire shall not exceed 24,000 lumens.
13. All exterior lighting shall have a shield that is black or dark bronze.

AIRPORT:

Ordinance

- G. Prior to final plans approval, a fully executed easement between the City of Scottsdale's Airport and Jet Aviation for the access road from Greenway Road onto airport property must be established.
- H. As this is on airport property, an Airport Vicinity Development long form and its requirements will be required as well including:
 - a. Height Analysis.
The owner of new development (and natural growth and construction equipment associated with new development), to be located within the twenty-thousand-foot radius of the Scottsdale Airport, that penetrates the 100:1 slope from the nearest point of the runway shall submit to the FAA the appropriate forms for FAA review. See FAA Form 7460-1. Before final plan approval, the owner shall submit the FAA response to FAA Form 7460-1.
 - b. Sec. 5-355. - Fair disclosure requirements.
As recommended by the FAA Part 150 Noise Compatibility Study, each owner of property located in the areas labeled AC-1, AC-2 and AC-3 shown on Figure 1, Airport Influence Area, shall make fair disclosure to each purchaser. If a development is subject to Covenants, Conditions and Restrictions (CC&Rs), the owner shall include the disclosure in the CC&Rs.
 - c. Sec. 5-357. - Avigation easement requirement.
Before final plan approval for any new development, the owner of a new development in the areas labeled AC-1 (for noise-sensitive uses only, except hotels, motels, resorts and hospitals), AC-2 and AC-3 shown on Figure 1, Airport Influence Area, shall grant the city, and record, an avigation easement satisfactory to the city attorney's office.

STREET INFRASTRUCTURE:

Ordinance

- I. All street infrastructure improvements shall be constructed in accordance with this City of Scottsdale (COS) Supplement to MAG Specifications and Details, and the Design Standards and Policies Manual.

- J. Prior to the issuance of any building permit for the development project, the property owner shall submit and obtain approval of civil construction documents to construct infrastructure in accordance with staff approved case site plan.

DRB Stipulations

1. All public and private sidewalks shall be integral gray colored concrete.
2. All curb ramps for public and pedestrian sidewalks that intersect public and private streets, or driveways that intersect public and private streets, shall have truncated domes that are colored to match OSHA Safety Yellow, FED-STD-595C, 13591.

DRAINAGE AND FLOOD CONTROL:

DRB Stipulations

3. With the civil construction document submittal, the property owner shall submit a final drainage report that demonstrates consistency with the DSPM and the case drainage report accepted in concept by the Stormwater Manager or designee.
4. Additionally, the civil grading & drainage plan and the final drainage report should address the following
 - a. The site needs to clearly identify and quantify all existing stormwater retention basins and drainage channels
 - b. The project should preserve all existing stormwater retention volume onsite and provide any additional pre- vs. post- retention volume as required
 - c. All retention basins should be drained out within 36 hours
 - d. Drainage and Flood Control (DFC) easements around stormwater retention basins along with adequate access to the basins from the nearest public or private street(s) should be dedicated
 - e. The Lowest Floor (LF88) of the buildings should be elevated above the highest adjacent outside grades or the building walls should be waterproofed adequately
5. All headwalls and drainage structures shall be integrally colored concrete to blend with the color of the surrounding natural desert.

EASEMENTS DEDICATIONS:

DRB Stipulations

6. Prior to the issuance of any building permit for the development project, the property owner shall dedicate the following easements to the City of Scottsdale on a final plat or map of dedication:
 - a. A minimum five (5) wide TRAFFIC CONTROL easement, along Greenway Road project frontage. n conformance with figures 5.3-26 and 5.3-27 of Section 5.3 of the DSPM, where a sight distance triangle(s) cross on to the property.
 - b. A continuous Public Non-Motorized Access Easement to the City of Scottsdale to contain any portion of the public sidewalk in locations where the sidewalk crosses on to the lot.
 - c. A minimum twenty (20) foot wide Water + Sewer Facilities Easement to contain public water and sewer infrastructure located outside public right-of-way.
 - d. Avigation easement over the smaller parcel.

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**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 12/20/21 DRB SUBMITTAL
 1 03/28/22 DRB
 RESUBMITTAL

NOT FOR CONSTRUCTION

M&H NO.: 2886300-210801.01
 DATE: MARCH 28, 2022
 DESIGNED BY: LW
 DRAWN BY: KEL, CSD
 CHECKED BY: SW
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 PROJECT INFORMATION

SHEET NO.:

PROJECT INFORMATION

PROJECT NAME PROJECT CACTUS

PARCEL NUMBERS
 APN 215-56-091A
 A PORTION OF APN 215-56-413A

PROJECT ADDRESS
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

| LOT AREAS | | |
|--------------------------------------|----------------|------------|
| APN 215-56-091A | GROSS LOT AREA | 35,020 SF |
| | NET LOT AREA | 35,020 SF |
| DEVELOPED PORTION OF APN 215-56-413A | | |
| | GROSS LOT AREA | 107,314 SF |
| | NET LOT AREA | 107,314 SF |
| TOTAL NET LOT AREA 142,334SF | | |

FLOOR AREA RATIO (FAR) (SEC 5.1804.A)
 MAXIMUM = 0.80 X NET LOT AREA

| | |
|---------------------------|------------|
| 0.80 x 142,334 = | 113,867 SF |
| HANGAR GSF = | 29,400 SF |
| INDUSTRIAL GSF = | 4,424 SF |
| TERMINAL FACILITY GSF = | 2,837 SF |
| OFFICE GSF = | 5,020 SF |
| ACTUAL GROSS FLOOR AREA = | 41,681 SF |

FLOOR AREA RATIO COMPLIANT: 41,681 < 113,867 SF

REQUIRED OPEN SPACE (SEC 5.1804.B)
 MINIMUM = 0.10 X NET LOT AREA + 0.003 X NET LOT AREA X FEET ABOVE 12'
 0.10 X 142,334 + 0.003 X 142,334 X 29' = 26,616 SF
 Required open space: 26,616 x .5 (for aircraft staging area) = 13,308 SF
 Provided open space: 20,510 SF

BUILDING HEIGHT (SEC 5.1804.C)
 MAXIMUM BUILDING HEIGHT = 52'
 ACTUAL BUILDING HEIGHT = 41'

BUILDING HEIGHT COMPLIANT: 41' < 52'

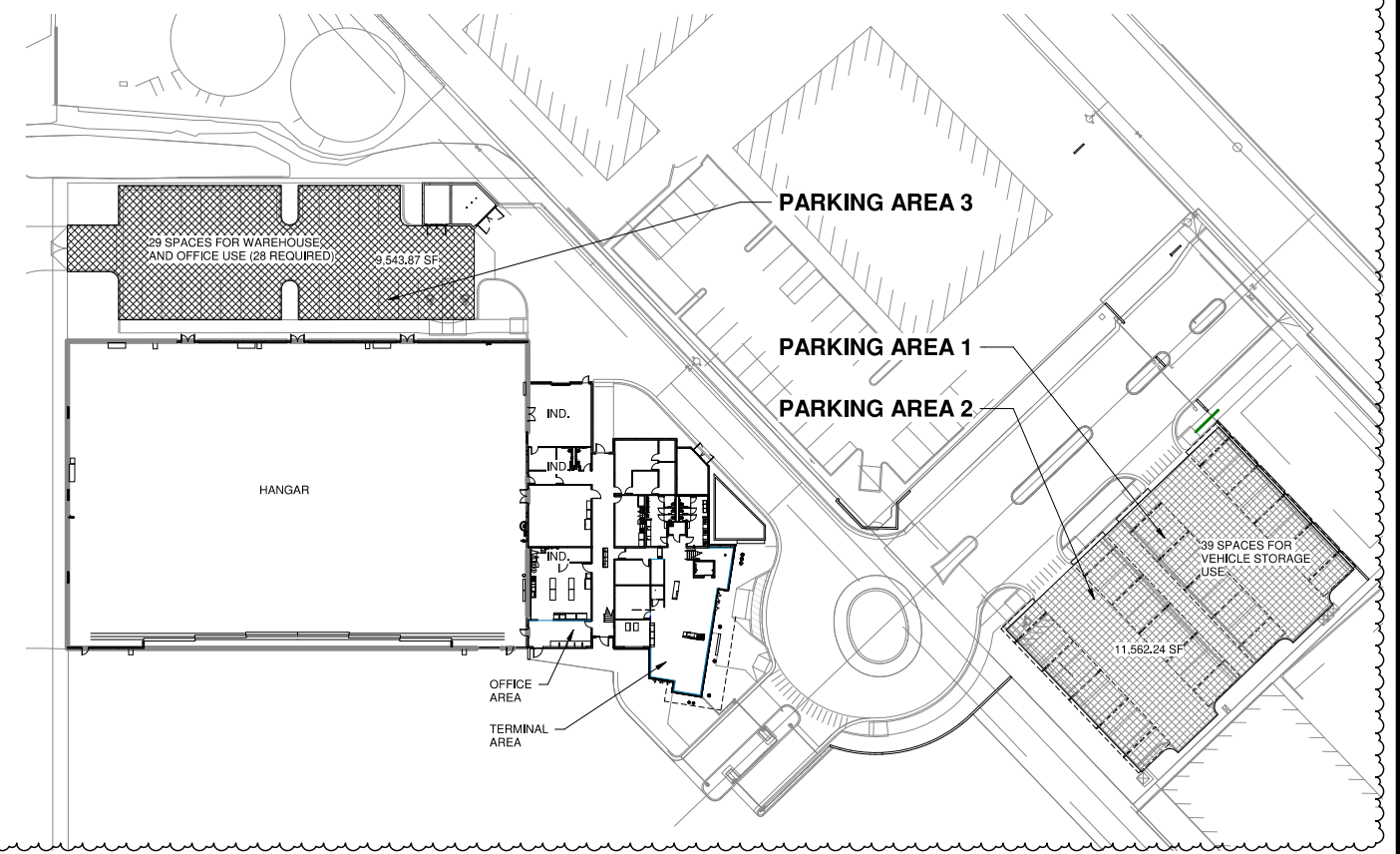
YARDS
 FRONT MINIMUM: 20'
 ACTUAL: 57'
 SIDE AND REAR MINIMUM: 50' AT RESIDENTIAL
 NOT APPLICABLE - I-1

PARKING REQUIREMENTS (TABLE 9.103.A AND SEC 9.105)
 HANGAR SF: NO SPACES REQUIRED
 WAREHOUSE 5,298 SF AREA @ 1:800 SF: 6.6 SPACES 7
 OFFICE 3,075 SF + 3,134 SF = 6,191 SF @ 1:300 SF = 20.6 SPACES 21
 TOTAL PARKING REQUIRED 28

PARKING LOT 3 COMPLIANT: 29 SPACES PROVIDED > 28 REQUIRED
 EXTRA PROVIDED PARKING FOR VEHICULAR STORAGE 39
 EXTRA PROVIDED PARKING FOR STAFF 1
 TOTAL PROVIDED PARKING 68

REQUIRED BICYCLE PARKING (SEC 9.103.C)
 (2) BICYCLE PARKING SPACES MINIMUM
 BICYCLE PARKING COMPLIANT: 2 SPACES PROVIDED = 2 SPACES REQUIRED

MOBILITY IMPAIRED ACCESSIBLE SPACES (SEC 9.105)
 TOTAL PARKING SPACES 68
 REQUIRED ADA SPACES (4% OF TOTAL) 2.72
 PROVIDED ADA SPACES 3



TRUE PLAN NORTH NORTH
1 PARKING PLAN
 1" = 40'-0"



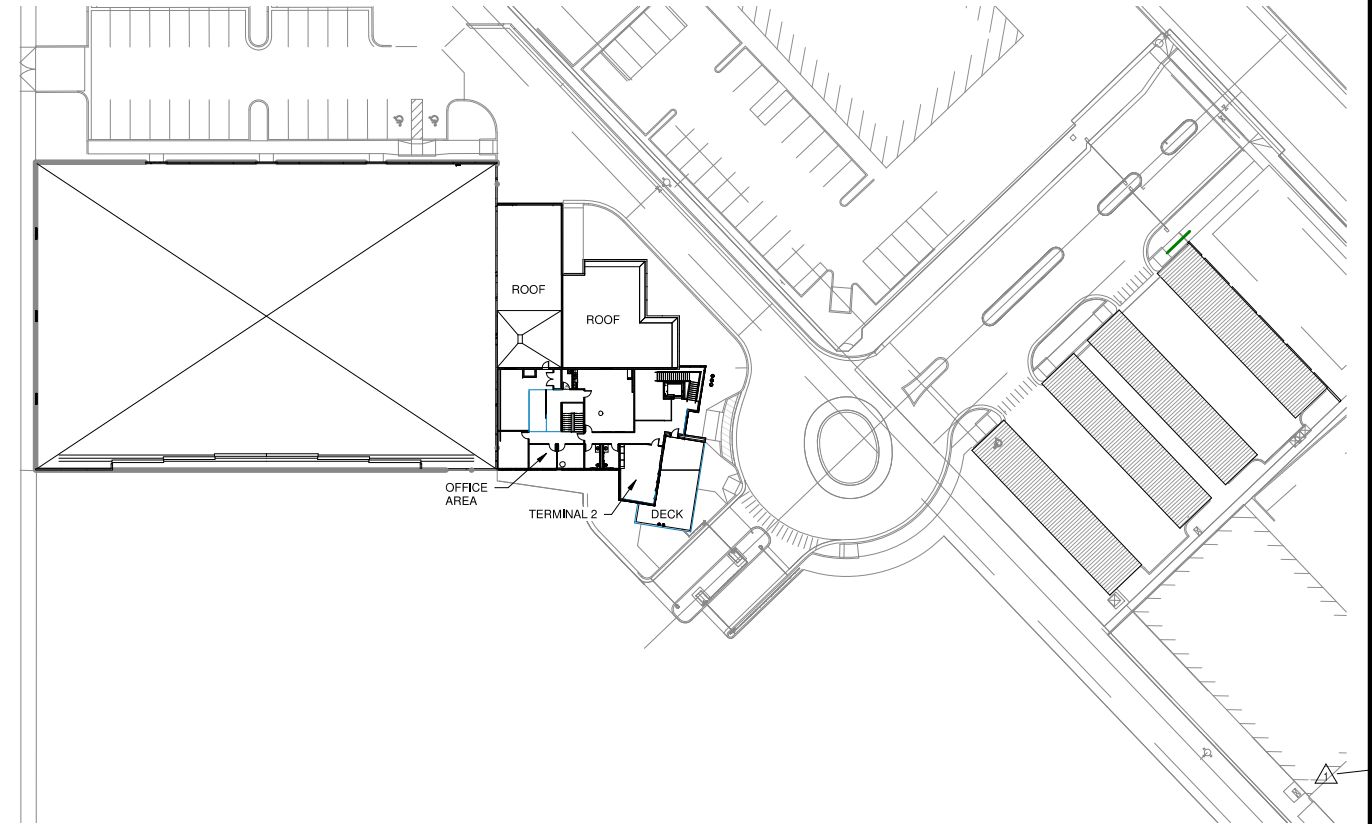
FLOOR PLAN GENERAL NOTES:

SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON SITE PLAN = 100'-0" ON ARCHITECTURAL DRAWINGS, H.C.R.C. S100.

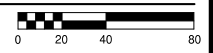


TRUE PLAN NORTH NORTH
VICINITY MAP
 1" = 40'-0"

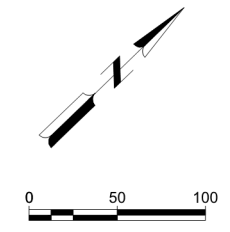
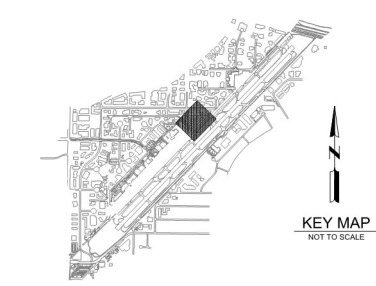
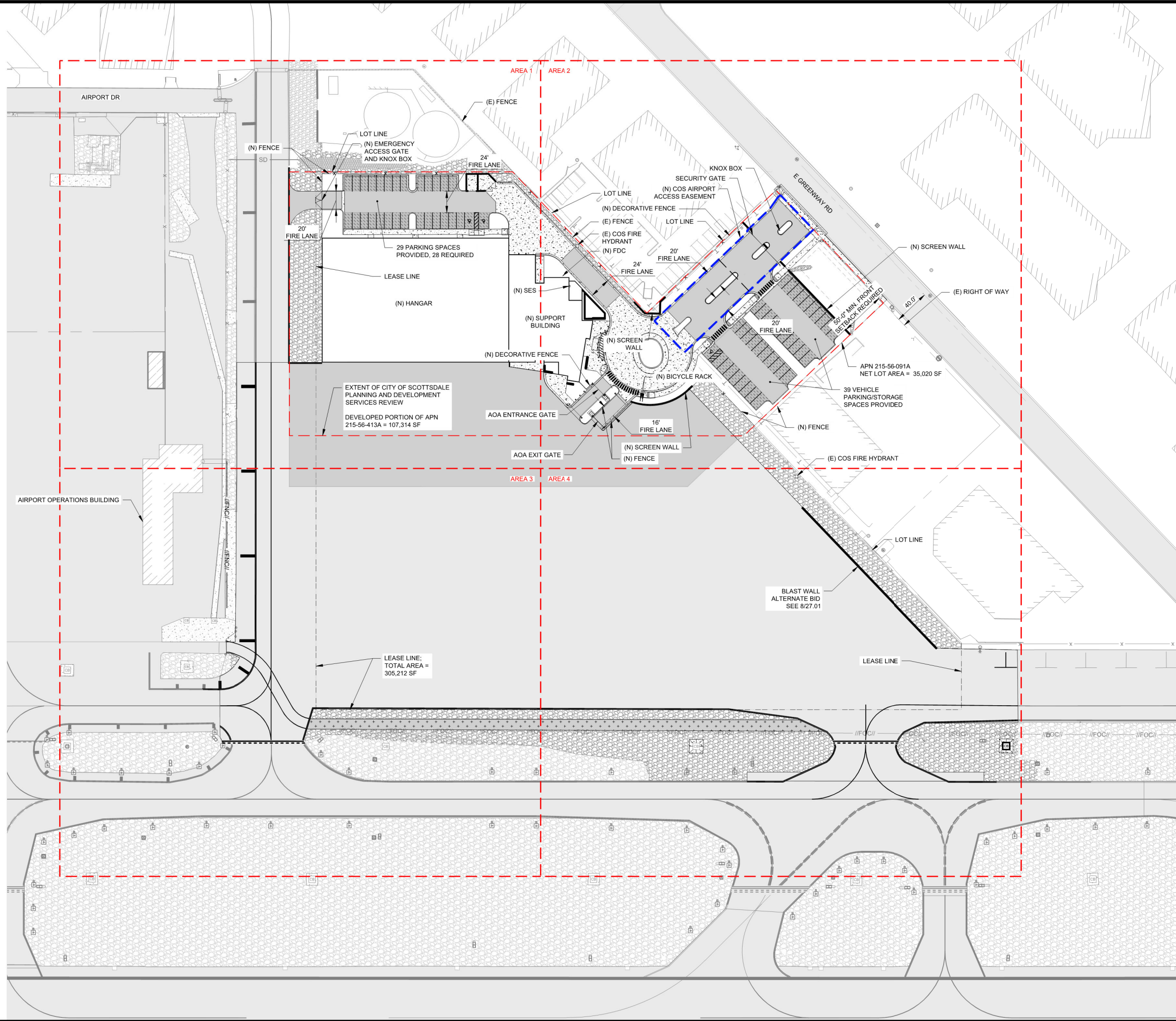
PROJECT SITE
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260



TRUE PLAN NORTH NORTH
2 SECOND FLOOR PLAN
 1" = 40'-0"



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6/16/2022 11:58:50 AM



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 PROJECT CACTUS**
 7811 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED

NOT FOR CONSTRUCTION

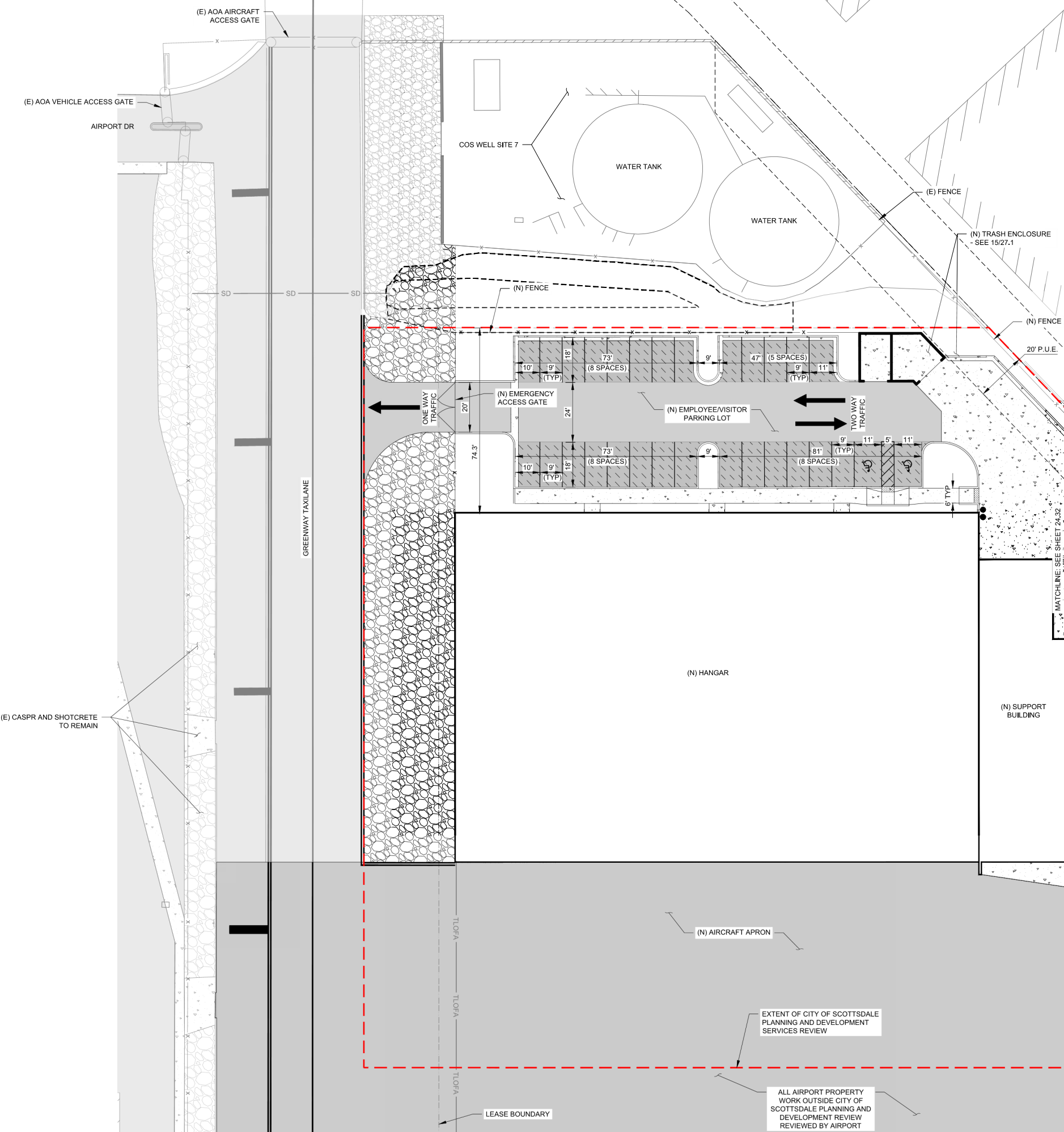
MAH NO.: 2886300-210801.01
 DATE: MAY 2022
 DESIGNED BY: BJM
 DRAWN BY: BJM
 CHECKED BY: DPS
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 OVERALL SITE PLAN





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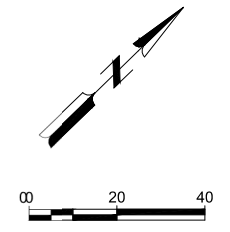
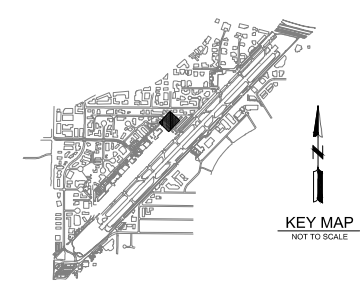
24.2

DRB CASE NO.: 52-DR-2021



LEGEND

-  VEHICLE PARKING STALL PAVEMENT SECTION (SEE 1/C-301)
-  VEHICLE DRIVE AISLE PAVEMENT SECTION (SEE 2/C-301)
-  AIRCRAFT APRON PAVEMENT SECTION (SEE 3/C-301)
-  (E) ASPHALT CONCRETE



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 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 03.28.2022 DRB RESUBMITTAL

NOT FOR CONSTRUCTION

MSH NO.: 2886300-210801.01
 DATE: MARCH 28, 2022
 DESIGNED BY: RJK
 DRAWN BY: RJK
 CHECKED BY: DPS
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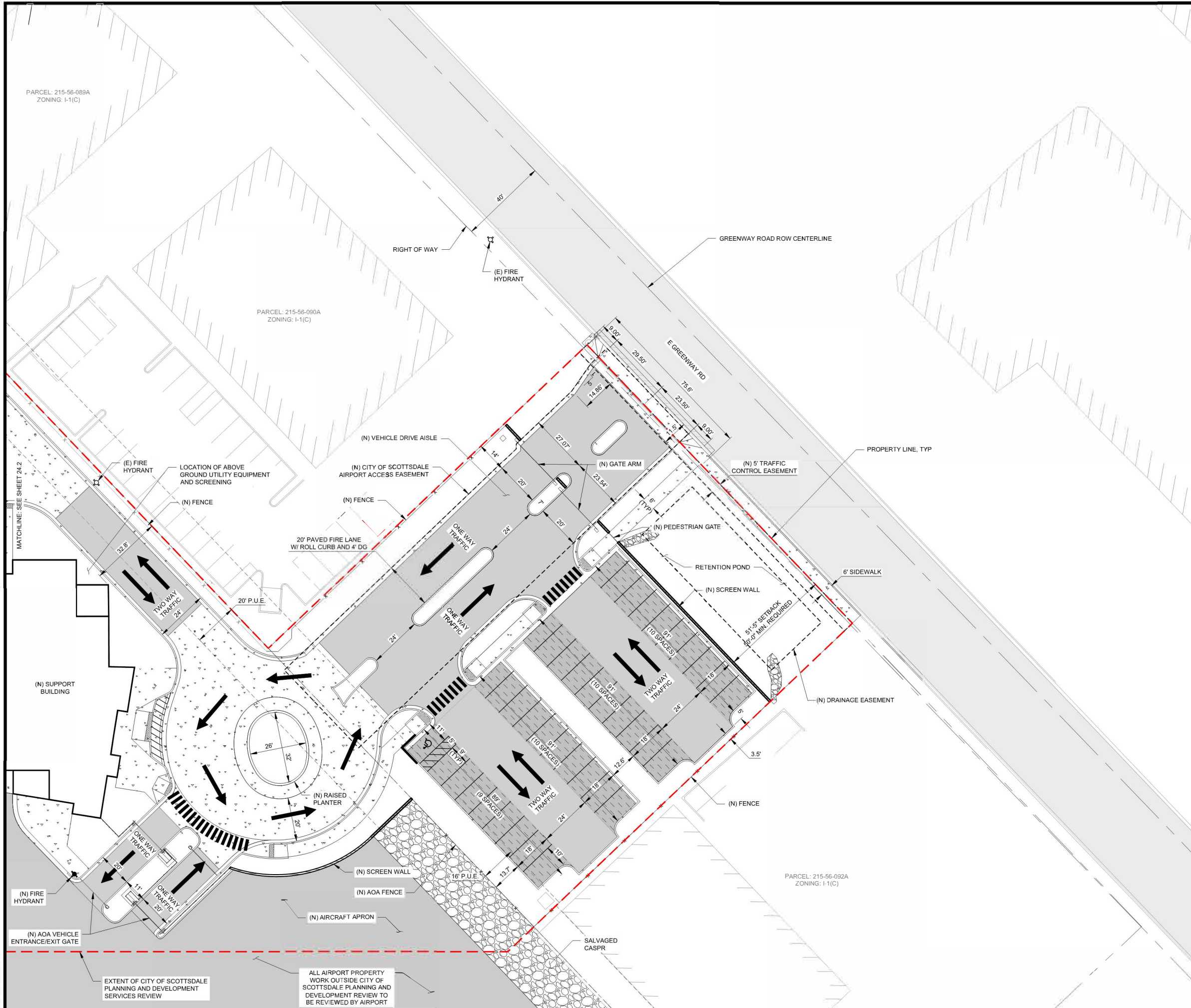
SHEET CONTENTS
 SITE PLAN DRB
 AREA 1

SHEET NO.:





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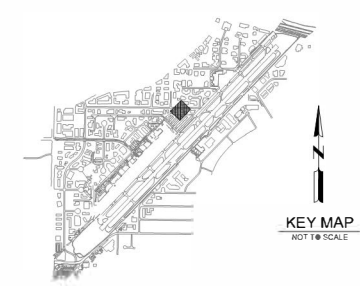
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 3/30/2022 12:43:33 PM

DRB CASE NO.: 52-DR-2021



LEGEND

-  VEHICLE PARKING STALL PAVEMENT SECTION
-  VEHICLE DRIVE AISLE PAVEMENT SECTION
-  AIRCRAFT APRON PAVEMENT SECTION
-  (E) ASPHALT CONCRETE



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**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED:
 03.28.2022 DRB RESUBMITTAL

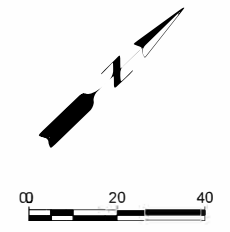
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MMH NO.: 2886300-210801.01
 DATE: MARCH 28, 2022
 DESIGNED BY: RJK
 DRAWN BY: RJK
 CHECKED BY: DPS

DO NOT SCALE DRAWINGS
 SHEET CONTAINS
 SITE PLAN DRB
 AREA 2

SHEET NO.:

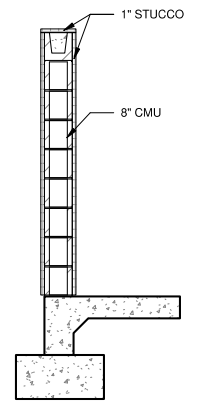
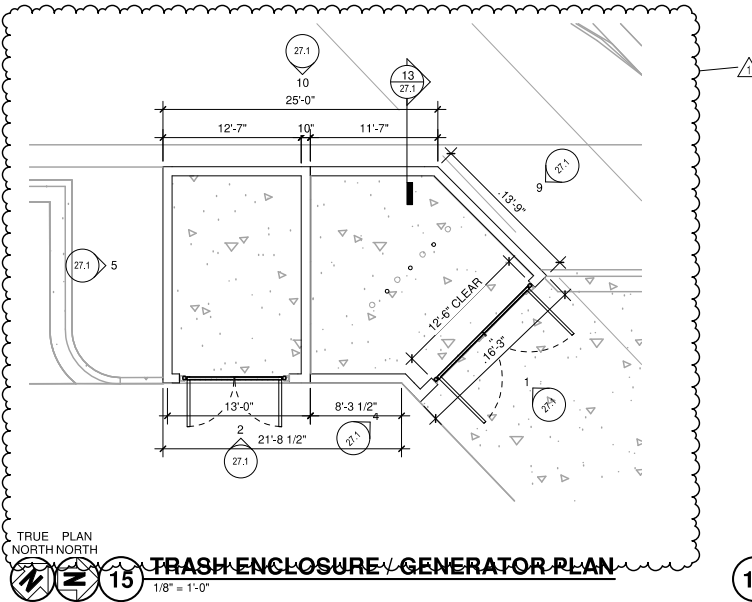
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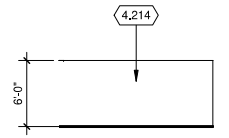
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DRB CASE NO.: 52-DR-2021

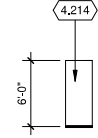
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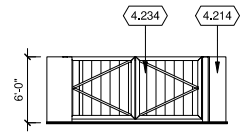
9 TRASH ENCLOSURE N ELEVATION
 1/8" = 1'-0"



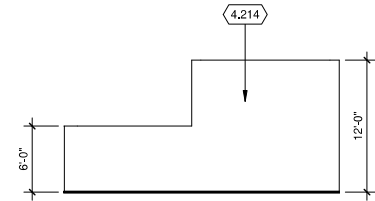
4 TRASH ENCLOSURE S ELEVATION
 1/8" = 1'-0"



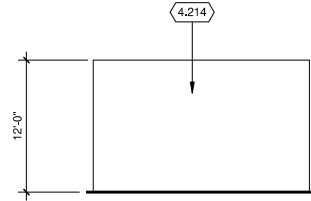
1 TRASH ENCLOSURE E ELEVATION
 1/8" = 1'-0"



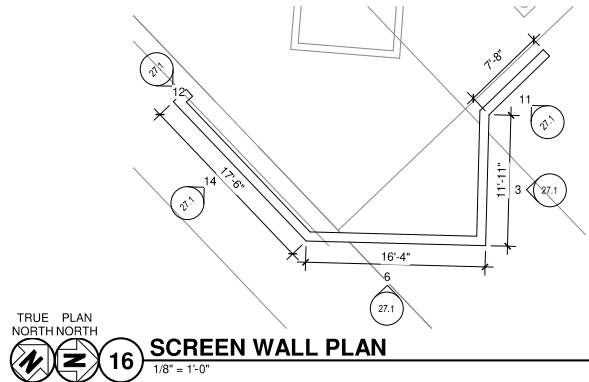
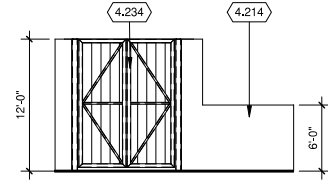
10 TRASH ENCLOSURE / GENERATOR NW ELEVATION
 1/8" = 1'-0"



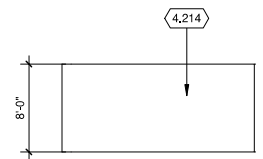
5 GENERATOR ENCLOSURE SW ELEVATION
 1/8" = 1'-0"



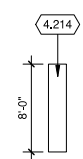
2 TRASH ENCLOSURE / GENERATOR SE ELEVATION
 1/8" = 1'-0"



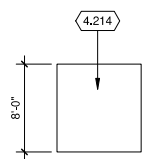
14 N WALL N ELEVATION
 1/8" = 1'-0"



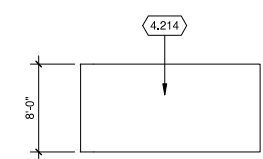
12 N WALL E ELEVATION
 1/8" = 1'-0"



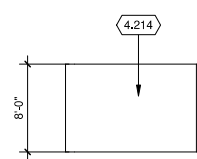
11 N WALL W ELEVATION
 1/8" = 1'-0"



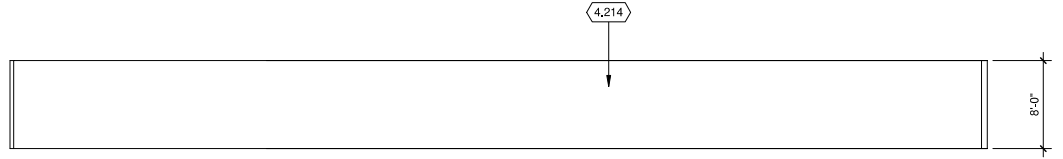
6 N WALL NW ELEVATION
 1/8" = 1'-0"



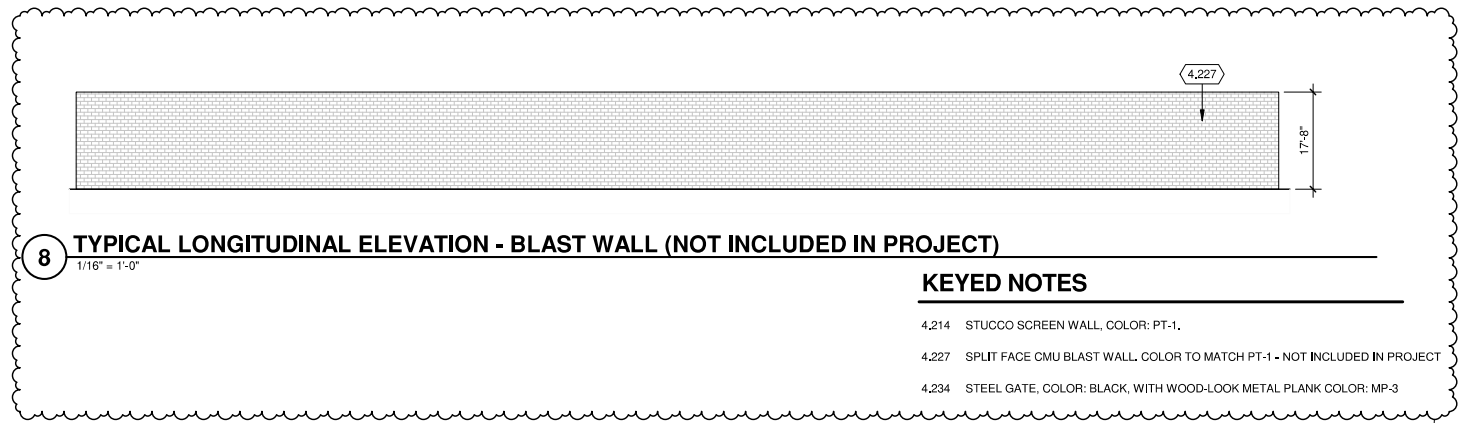
3 N WALL SW ELEVATION
 1/8" = 1'-0"



7 CURVED WALL SE ELEVATION
 1/8" = 1'-0"

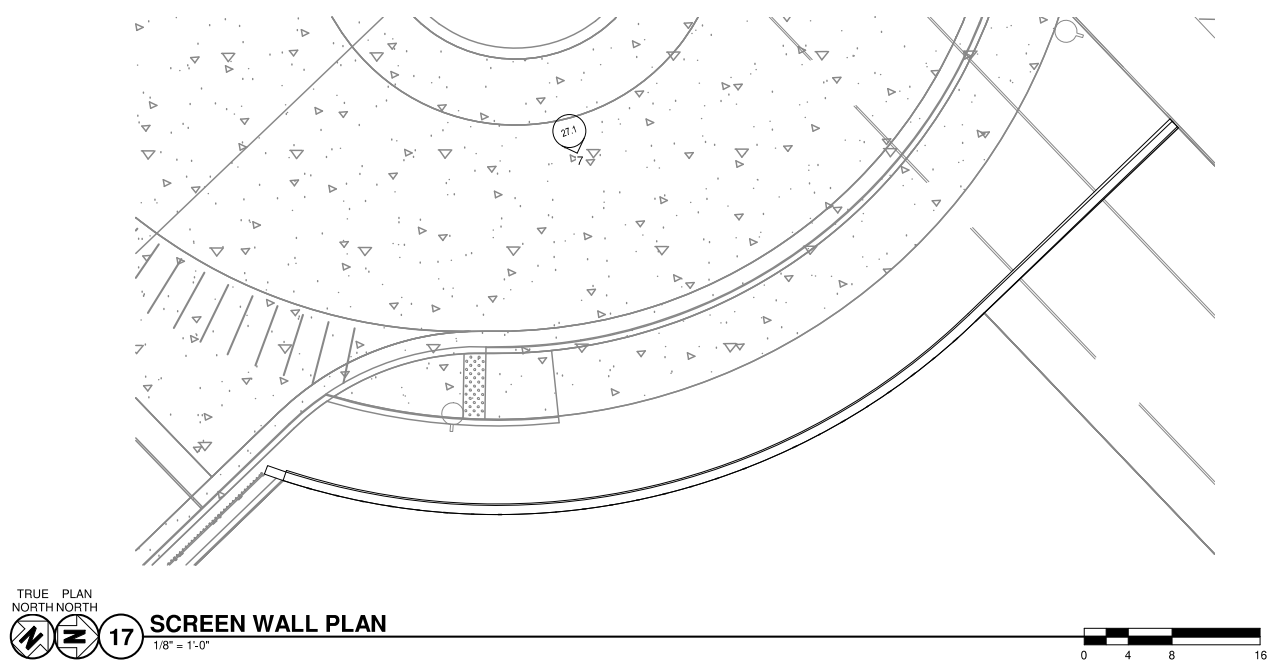


8 TYPICAL LONGITUDINAL ELEVATION - BLAST WALL (NOT INCLUDED IN PROJECT)
 1/16" = 1'-0"



KEYED NOTES

- 4.214 STUCCO SCREEN WALL, COLOR: PT-1.
- 4.227 SPLIT FACE CMU BLAST WALL, COLOR TO MATCH PT-1 - NOT INCLUDED IN PROJECT
- 4.234 STEEL GATE, COLOR: BLACK, WITH WOOD-LOOK METAL PLANK COLOR: MP-3



**JET AVIATION
 PROJECT CACTUS**

7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 12/20/21 DRB SUBMITTAL
 1 03/28/22 DRB RESUBMITTAL

NOT FOR CONSTRUCTION

M&H NO.: 2886300-210801.01
 DATE: MARCH 28, 2022
 DESIGNED BY: LW
 DRAWN BY: KEL, CSD
 CHECKED BY: SW
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 SHEET CONTENTS
 SITE DETAILS

SHEET NO.:

27.1

4/6/2022 11:05:55 AM C:\Revit\Local\210801.01\A-R21_dban.viemann.rvt

DRB CASE NO.: 92-DR-2021

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 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 12/20/21 DRB SUBMITTAL
 1 03/28/22 DRB
 RESUBMITTAL

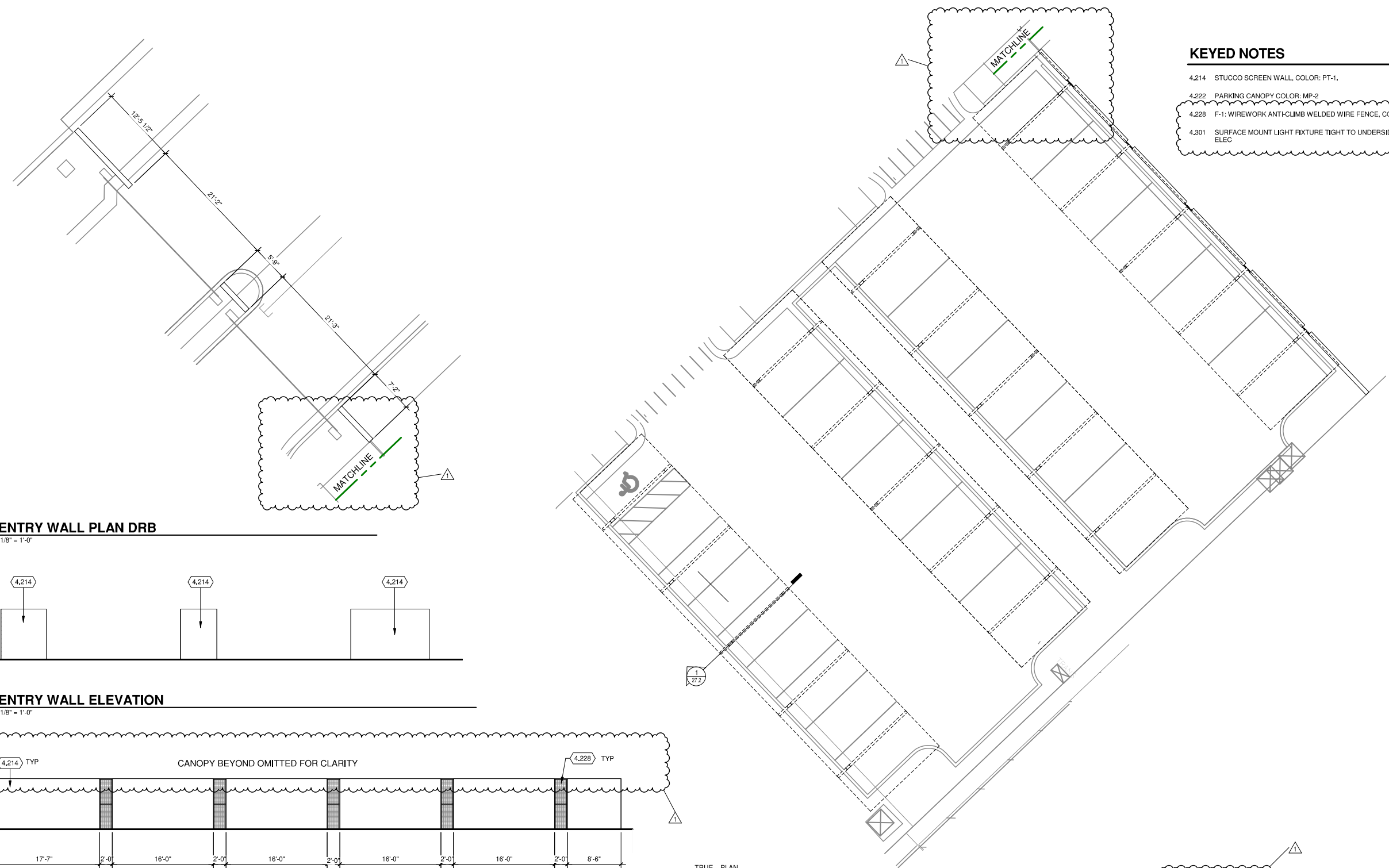
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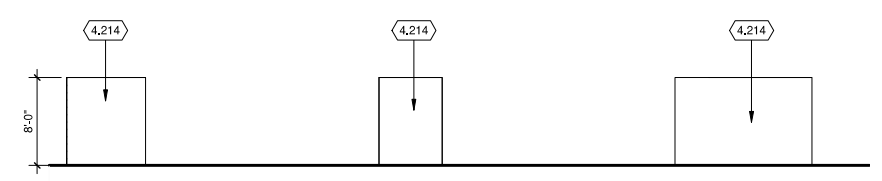
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 SITE DETAILS

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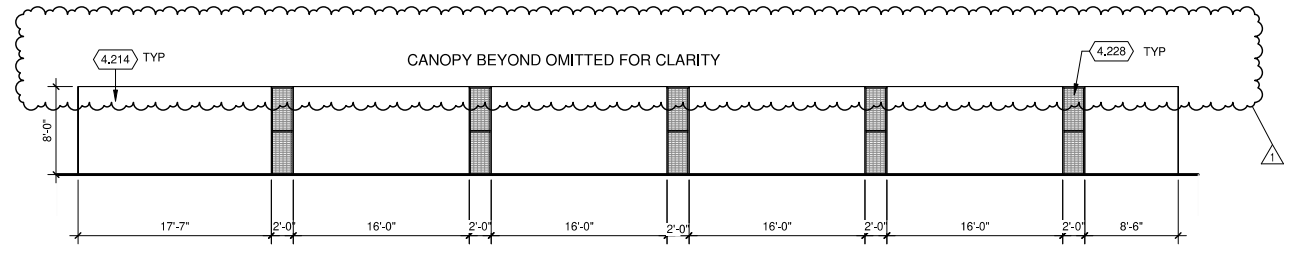
- KEYED NOTES**
- 4.214 STUCCO SCREEN WALL, COLOR: PT-1.
 - 4.222 PARKING CANOPY COLOR: MP-2
 - 4.228 F-1; WIREWORK ANTI-CLIMB WELDED WIRE FENCE, COLOR BLACK
 - 4.301 SURFACE MOUNT LIGHT FIXTURE TIGHT TO UNDERSIDE OF DECK - SEE ELEC



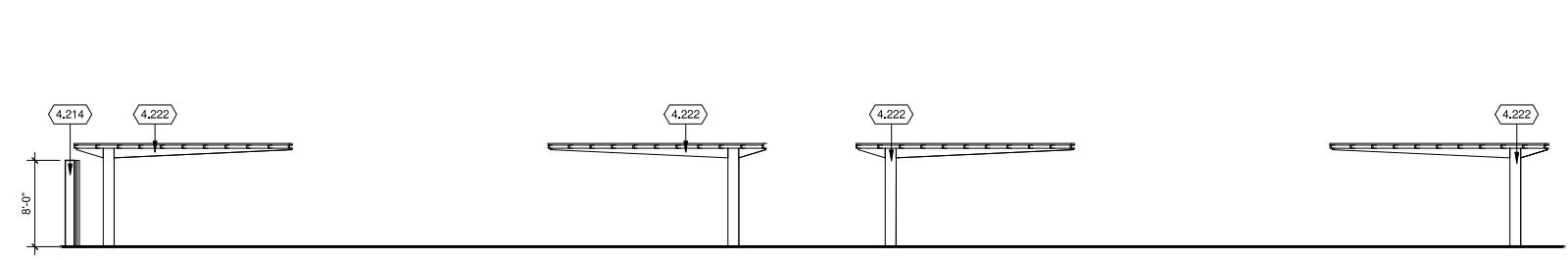
3 ENTRY WALL PLAN DRB
 1/8" = 1'-0"



4 ENTRY WALL ELEVATION
 1/8" = 1'-0"

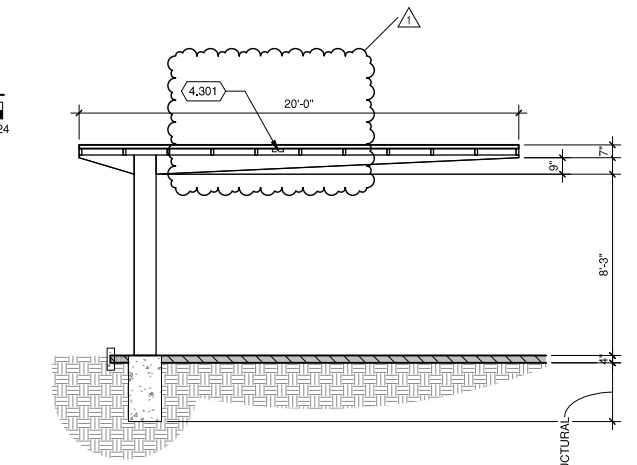


5 CANOPY WALL ELEVATION
 1/8" = 1'-0"



6 PARKING ELEVATION
 1/8" = 1'-0"

2 PARKING CANOPIES PLAN
 3/32" = 1'-0"
 TRUE PLAN NORTH NORTH



1 CANOPY SECTION
 1/4" = 1'-0"

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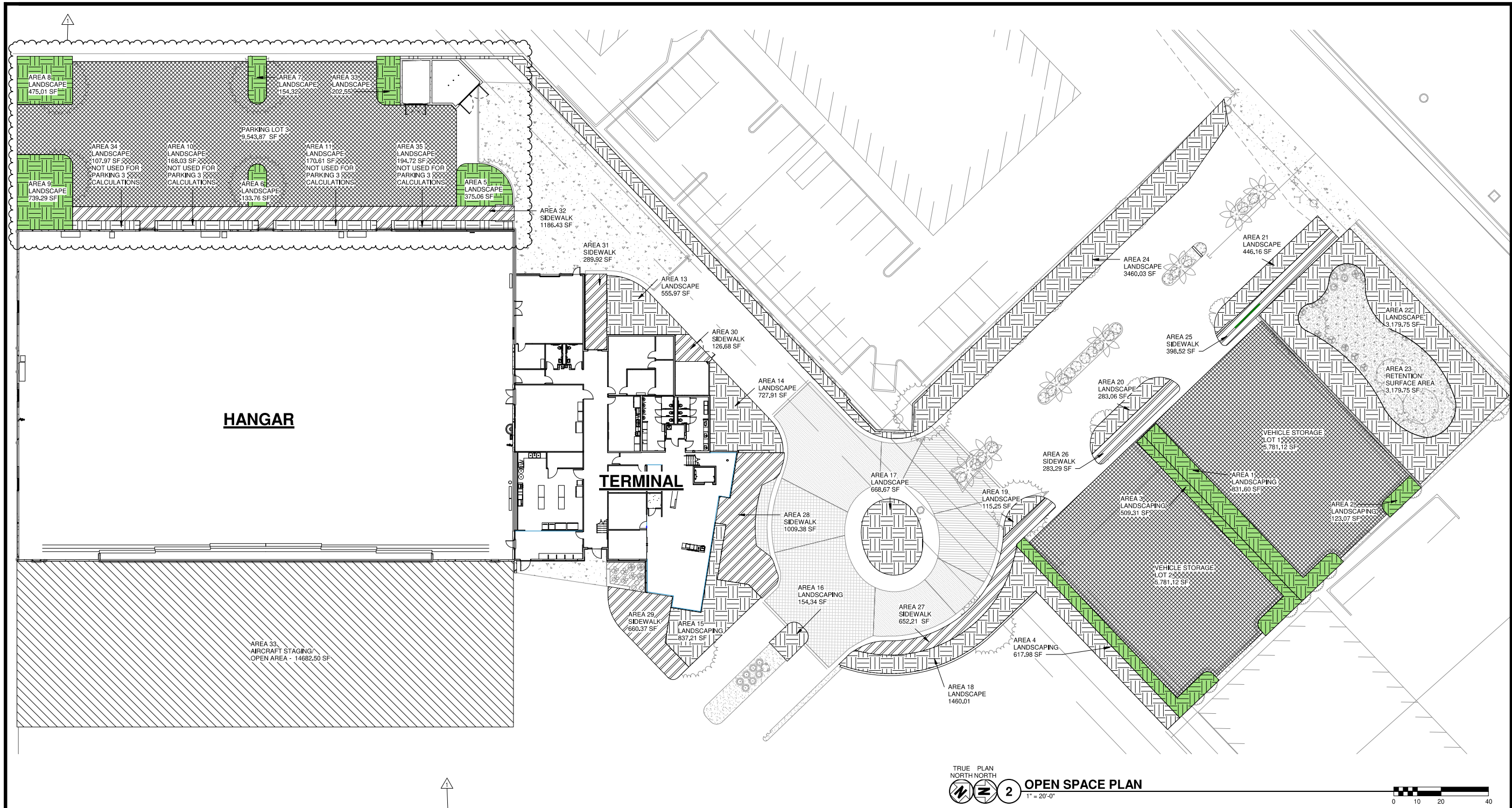
ISSUED
 12/20/21 DRB SUBMITTAL
 1 03/28/22 DRB
 RESUBMITTAL

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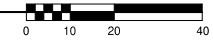
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SHEET CONTENTS
OPEN SPACE PLAN

SHEET NO.:



TRUE PLAN
 NORTH NORTH
2 OPEN SPACE PLAN
 1" = 20'-0"



LANDSCAPE AREAS

PARKING
 15% OF PARKING LOT SHALL BE LANDSCAPE AREAS IN ADDITION TO OPEN SPACE REQUIREMENT
 IF MORE THAN 20 PARKING SPACES, A MINIMUM OF 1/3 OF PARKING LOT SHALL BE LANDSCAPE ISLANDS
 WIDTH OF UP TO 10' WHERE ABUTTING PARKING LOT
 PARKING SPACE OVERHANGS ARE NOT INCLUDED

VEHICLE STORAGE PARKING 1

| | | |
|------------------------------------|------------------|-----------------|
| AREA 1 | 831.6 SF | |
| AREA 2 | 123.07 SF | |
| TOTAL PARKING 1 LANDSCAPING | 954.67 SF | = 867.17 |

VEHICLE STORAGE PARKING 2

| | | |
|------------------------------------|-------------------|--------------------|
| AREA 3 | 509.31 SF | |
| AREA 4 | 617.98 SF | |
| TOTAL PARKING 2 LANDSCAPING | 1127.29 SF | > 867.17 |

PARKING LOT 3

| | | |
|------------------------------------|--------------------|----------------------|
| AREA | 9,543.87 SF | |
| REQUIRED LANDSCAPING | 1,431.58 SF | |
| 1/3 must be islands | 472.42 SF | |
| AREA 5 (ISLAND) | 375.06 SF | |
| AREA 6 (ISLAND) | 133.76 SF | |
| AREA 7 (ISLAND) | 154.32 SF | |
| SUBTOTAL | 663.14 SF | > 472.42 |
| AREA 8 | 475.01 SF | |
| SUBTOTAL | 475.01 SF | |
| AREA 33 | 202.55 SF | |
| SUBTOTAL | 202.55 SF | |
| AREA 9 | 739.29 SF | |
| SUBTOTAL | 739.29 SF | |
| TOTAL PARKING 3 LANDSCAPING | 2,079.99 SF | > 1,431.58 |

**REQUIRED OPEN SPACE:
 OPEN SPACE LANDSCAPING**

| | |
|--|---------------------|
| AREA 34 | 107.97 SF |
| AREA 10 | 168.03 SF |
| AREA 11 | 170.61 SF |
| AREA 12 | 194.72 SF |
| AREA 13 | 555.97 SF |
| AREA 14 | 727.91 SF |
| AREA 15 | 837.21 SF |
| AREA 16 | 154.34 SF |
| AREA 17 | 668.67 SF |
| AREA 18 | 1,460.01 SF |
| AREA 19 | 115.25 SF |
| AREA 20 | 283.06 SF |
| AREA 21 | 446.16 SF |
| AREA 22 | 3,179.75 SF |
| AREA 23 | 3,179.75 SF |
| AREA 24 | 3,460.03 SF |
| AREA 35 | 194.72 SF |
| SUBTOTAL OPEN SPACE LANDSCAPING | 15,904.16 SF |

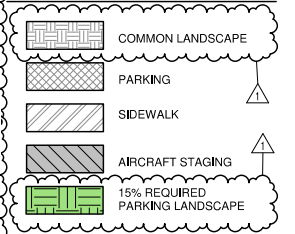
OPEN SPACE SIDEWALKS

| | |
|--------------------------------------|--------------------|
| AREA 25 | 398.52 SF |
| AREA 26 | 283.29 SF |
| AREA 27 | 652.21 SF |
| AREA 28 | 1,009.38 SF |
| AREA 29 | 660.37 SF |
| AREA 30 | 126.68 SF |
| AREA 31 | 289.92 SF |
| AREA 32 | 1,186.43 SF |
| SUBTOTAL OPEN SPACE SIDEWALKS | 4,606.80 SF |

AIRCRAFT STAGING AREA (UP TO 50% OF REQUIRED OPEN SPACE)
 AREA 33
 14,682.50 SF

Required open space: 26,616 x .5 (for aircraft staging area) = 13,308 SF
 Provided open space: 20,510 SF

OPEN SPACE LEGEND



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DRB CASE NO.: 92-DR-2021

JET AVIATION SCOTTSDALE AIRPORT HANGAR

PROJECT TEAM

OWNER / FBO

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14650 N. AIRPORT DRIVE
SCOTTSDALE, AZ 85260
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PHONE: (505) 780-4455
EMAIL: JOHN@JETCENTERSF.COM

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CONTACT: LAURIE WHITNEY
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EMAIL: LAURIE.WHITNEY@MEADHUNT.COM

CIVIL ENGINEER

MEAD & HUNT
8800 E. RAINTREE DRIVE
SCOTTSDALE, ARIZONA 8260
CONTACT: DREW SEYBOLD
PHONE: (480) 967-1343
EMAIL: DREW.SEYBOLD@MEADHUNT.COM

LANDSCAPE ARCHITECT

LOGAN SIMPSON DESIGN, INC.
51 W. THIRD STREET SUITE 450
TEMPE, ARIZONA 85281
CONTACT: JERRY MOAR
PHONE: (480) 967-1343
EMAIL: JMOAR@LOGANSIMPSON.COM

CITY OF SCOTTSDALE GENERAL LANDSCAPE NOTES NOTE: PROJECT IS NOT UNDER NAOS REQUIREMENTS.

- AREAS OF DECOMPOSED GRANITE WITHOUT PLANT MATERIALS / GROUNDCOVERS SHALL NOT EXCEED DIMENSIONS OF MORE THAN 7 FEET IN ANY ONE DIRECTION, MEASURED BETWEEN PLANT CANOPIES AND/OR COVERAGE.
- A MINIMUM OF 50 PERCENTAGE OF THE PROVIDED TREES SHALL BE MATURE TREES, PURSUANT TO THE CITY OF SCOTTSDALE'S ZONING ORDINANCE ARTICLE X, SECTION 10.301, AS DEFINED IN THE CITY OF SCOTTSDALE'S ZONING ORDINANCE ARTICLE III, SECTION 3.100.
- A SINGLE TRUNK TREE'S CALIPER SIZE, THAT IS TO BE EQUAL TO OR LESS THAN 4-INCHES, SHALL BE DETERMINED BY UTILIZING THE SMALLEST DIAMETER OF THE TRUNK 6-INCHES ABOVE FINISHED GRADE ADJACENT TO THE TRUNK. A TREE'S CALIPER SIZE, FOR SINGLE TRUNK TREES THAT ARE TO HAVE A DIAMETER GREATER THAN 4-INCHES, SHALL BE DETERMINED BY UTILIZING THE SMALLEST DIAMETER OF THE TRUNK 12-INCHES ABOVE FINISHED GRADE ADJACENT TO THE TRUNK. A MULTIPLE TRUNK TREE'S CALIPER SIZE IS MEASURED AT 6" ABOVE THE LOCATION THAT THE TRUNK SPLITS ORIGINATES, OR 6" ABOVE FINISHED GRADE IF ALL TRUNKS ORIGINATE FROM THE SOIL.
- AREA WITHIN THE SIGHT DISTANCE TRIANGLES IS TO BE CLEAR OF LANDSCAPING, SIGNS, OR OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAN 1.5 FEET. TREES WITHIN THE SIGHT TRIANGLE SHALL HAVE A SINGLE TRUNK AND A CANOPY THAT BEGINS AT 8 FEET IN HEIGHT UPON INSTALLATION. ALL HEIGHTS ARE MEASURED FROM NEAREST STREET LINE ELEVATION.
- NO TURF AREAS ARE TO BE PROVIDED.
- RETENTION/DETENTION BASINS SHALL BE CONSTRUCTED SOLELY FROM THE APPROVED CIVIL PLANS. ANY ALTERATION OF THE APPROVED DESIGN (ADDITIONAL FILL, BOULDERS, ETC.) SHALL REQUIRE ADDITIONAL FINAL PLANS STAFF REVIEW AND APPROVAL.
- ALL RIGHTS-OF-WAY ADJACENT TO THIS PROPERTY SHALL BE LANDSCAPED AND MAINTAINED BY THE PROPERTY OWNER.
- PRIOR TO THE ESTABLISHMENT OF WATER SERVICE, NON-RESIDENTIAL PROJECTS WITH AN ESTIMATED ANNUAL WATER DEMAND OF TEN (10) ACRE-FEET OR MORE SHALL SUBMIT A CONSERVATION PLAN IN CONFORMANCE WITH SECTIONS 49-245 THROUGH 49-248 OF THE CITY CODE TO THE WATER CONSERVATION OFFICE.
- TURF SHALL BE LIMITED TO THE MAXIMUM AREA SPECIFIED IN SECTIONS 49-245 THROUGH 49-248 OF THE CITY CODE AND SHALL BE SHOWN ON LANDSCAPE PLANS SUBMITTED AT THE TIME OF FINAL PLANS.
- NO LIGHTING IS APPROVED WITH THE SUBMITTAL.
- THE APPROVAL OF THESE PLANS RECOGNIZE THE CONSTRUCTION OF A LOW VOLTAGE SYSTEM AND DOES NOT AUTHORIZE ANY VIOLATION OF THE CURRENT CITY OF SCOTTSDALE ADOPTED ELECTRICAL CODE.
- THE LANDSCAPE SPECIFICATION SECTION(S) OF THESE PLANS HAVE NOT REVIEWED AND SHALL NOT BE PART OF THE CITY OF SCOTTSDALE'S APPROVAL.
- ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVALS.
- NEW LANDSCAPING, INCLUDING SALVAGED PLANT MATERIAL, AND LANDSCAPING INDICATED TO REMAIN, WHICH IS DESTROYED, DAMAGED, OR EXPIRES DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE SIZE, KIND, AND QUANTITY PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY / LETTER OF ACCEPTANCE TO THE SATISFACTION OF THE INSPECTION SERVICES STAFF.

ALL LANDSCAPE AND IRRIGATION SHALL COMPLY WITH CITY OF SCOTTSDALE (COS) DESIGN STANDARDS AND POLICIES MANUAL (DSPM) AND COS SUPPLEMENTS TO MARICOPA ASSOCIATION OF GOVERNMENT (MAG) DETAILS AND SPECIFICATIONS.

CITY DESIGN GUIDELINES

THE CITY SIGHT DISTANCE LINES AT INTERSECTIONS AND EGRESS DRIVES WILL DICTATE THE MATURE HEIGHT AND LAYOUT REQUIREMENTS OF PLANT MATERIAL ALONG THE EDGES AND WITHIN THE MEDIANS. THIS INCLUDES 25'-0" BY 25'-0" "RIGHT-OF-WAY CORNERS" AND "INTERSECTION TRIANGLES" THAT ARE BASED ON THE SPEED OF THE STREET. THE INTERSECTION TRIANGLES ARE DESIGNED BASED UPON OSBORN RD AND DRINKWATER BLVD'S 4-LANE ROADWAY AT 35 MPH SPEED LIMIT. ALL UNDERSTORY PLANT MATERIAL LOCATED WITHIN THE SITE VISIBILITY TRIANGLES WILL HAVE A MATURE HEIGHT OF 18 INCHES. THE SIZE OF ALL TREES DESIGNED WITHIN THE SITE DISTANCE TRIANGLES ARE 48" BOX AND SHALL HAVE A CLEAR CANOPY HEIGHT OF 8'-0" ABOVE CURB HEIGHT.

- BEYOND THE SITE VISIBILITY TRIANGLES, SPECIAL ATTENTION WILL BE PAID TO THE FOLLOWING APPLICATIONS OF THE CITY'S DESIGN STANDARD & POLICY MANUAL (DSPM) LANDSCAPE DESIGN REQUIREMENTS TO ENSURE PUBLIC SAFETY:
 - TREE DENSITY - LARGER TREES SHALL BE SPACED AT A MINIMUM OF 25'-0"
 - TREES SHALL NOT BE PLACED WITHIN 15'-0" OF STREET LIGHT POLES
 - TREES SHALL NOT BE PLACED WITHIN 7'-0" OF UNDERGROUND UTILITY PIPES OR CONDUITS
 - TREES SHALL NOT BE LOCATED WITHIN 10'-0" OF EXISTING PRIVATE WALLS
 - TREES SHALL NOT BE PLACED WITHIN THE PUBLIC UTILITY EASEMENTS (P.U.E.)
 - THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4 FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.
 - SHRUBS SHALL NOT BE PLACED WITHIN 2'-0" OF A WALKWAY OR CURB
 - SHRUBS SHALL NOT BE PLACED WITHIN 5'-0" OF TREES
 - SHRUB SPACING SHALL BE NO LESS THAN THE MATURE SIZE OF THE PLANT
 - SHRUBS WITHIN THE RIGHT-OF-WAY SHALL BE SELECTED FROM THE ADWR'S PLANT LIST FOR THE PHOENIX ACTIVE MANAGEMENT AREA. NO TURF SHALL BE PLANTED IN THE RIGHT-OF-WAY.
 - NO BOULDERS SHALL BE LOCATED WITHIN 10'-0" OF A CURB
 - NO BOULDERS SHALL BE LOCATED WITHIN THE PUBLIC UTILITY EASEMENTS
 - THE FINISHED LANDSCAPE GRADE WITH DECOMPOSED GRANITE SHALL BE SMOOTH, UNIFORM, AND A MINIMUM OF 2" BELOW TOP OF GRADE

LANDSCAPE CALCULATIONS

50% OF TRESS SHALL BE MATURE AS DEFINED IN ARTICLE III OF THE ZONING ORDINANCE.
REQUIRED: 13
PROVIDED: 14

LANDSCAPE BUFFERS:

- LANDSCAPE AREA NOT LESS THAN 20-FEET DEEP FROM ANY STREET LINE - APPLIES TO ALL STREET FRONTAGES (REFER TO LANDSCAPE PLAN)

PARKING LOT LANDSCAPE:

REQUIRED: 15% OF ANY PARKING LOT SHALL BE LANDSCAPE AREAS IN ADDITION TO ANY OPEN SPACE REQUIREMENT.

EMPLOYEE & VISITOR PARKING LOT: 9,543.875 Q.F.T.

REQUIRED: 15%
PROVIDED: 22%

VEHICLE STORAGE PARKING LOT: 11,562.24 SQ.F.T. (THIS LOT IS FULLY COVERED PARKING)

REQUIRED: 15%
PROVIDED: 18%

PROJECT INFORMATION

PARCEL NUMBERS

APN: 215-56-091A
CITY AIRPORT APN: 215-56-413A

LOT AREAS

THIS PROJECT COMPRISES A PORTION OF THE OVERALL AIRPORT PROPERTY. THE PROJECT BOUNDARY IS IDENTIFIED ON THE OVERALL SITE PLAN. ALL ZONING CALCULATIONS ARE BASED ON THE PROJECT BOUNDARY.

ZONING

I-1 INDUSTRIAL PARK

OPEN SPACE REQUIREMENTS

NET LOT AREA:

153,938 SF (TO CURB OF AIRPORT DRIVE)
3.5 ACRES

GROSS BUILDING AREA:

SUPPORT BUILDING:
12,281 SF
.28 ACRES
HANGAR:
29,400 SF
.67 ACRES

REQUIRED OPEN SPACE:

REFER TO ARCHITECTURAL AND CIVIL PLANS FOR OPEN SPACE CALCULATIONS

PARKING LOT:

REQUIRED: 15%
PROVIDED: 28%
± 20,457 SF PARKING LOT
± 5,812 SF LANDSCAPE WITHIN PARKING LOT

PROJECT SUBMITTALS

| SHEET No. | SHEET TITLE | PRELIMINARY 09.17.21 | PROGRESS 11.10.21 | DRB PROGRESS 11.20.21 | DRB SUBMITTAL 12.20.21 | DRB RE-SUBMITTAL 03.18.22 |
|-----------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|------------------------------|
| 33.0 | LANDSCAPE COVER | ● | ● | ● | ● | ● |
| 33.1 | LANDSCAPE INVENTORY PLAN | | | | ● | ● |
| 33.2 | HARDSCAPE PLAN - AREA 1 | | | | ● | ● |
| 33.3 | HARDSCAPE PLAN - AREA 2 | | | | ● | ● |
| 33.4 | HARDSCAPE DETAILS | | | | ● | ● |
| 33.5 | HARDSCAPE DETAILS | | | | ● | ● |
| 33.6 | PLANT MATERIALS | ● | ● | ● | ● | ● |
| 33.7 | LANDSCAPE PLAN - AREA 1 | ● | ● | ● | ● | ● |
| 33.8 | LANDSCAPE PLAN - AREA 2 | ● | ● | ● | ● | ● |
| 33.9 | LANDSCAPE DETAILS | | | | ● | ● |
| 33.10 | LANDSCAPE DETAILS | | | | ● | ● |
| 33.11 | LANDSCAPE DETAILS | | | | ● | ● |
| 33.12 | IRRIGATION PLAN - AREA 1 | | | | ● | ● |
| 33.13 | IRRIGATION PLAN - AREA 2 | | | | ● | ● |
| 33.14 | IRRIGATION DETAILS | | | | ● | ● |

PROJECT NARRATIVE

JET AVIATION (OWNER) IS DEVELOPING A NEW HANGAR AND SUPPORT AT SCOTTSDALE AIRPORT (THE PROJECT). ON-SITE "LANDSIDE" IMPROVEMENTS PEDESTRIAN CONNECTIVITY (I.E., PARKING, WALKWAYS, ENTRY PLAZA, ETC.), AND LANDSCAPE. THE "AIRSIDE" IMPROVEMENTS INCLUDE SECURED FENCING AND VEHICULAR AND PEDESTRIAN ACCESS. THERE WILL BE MINOR OFF-SITE IMPROVEMENTS LOCATED ON GREENWAY ROAD, INCLUDING LANDSCAPE AND IRRIGATION IMPROVEMENTS. THE PROJECT DELIVERY METHOD WILL BE DESIGN-BUILD WITH W.E. O'NEIL CONSTRUCTION AS THE GENERAL CONTRACTOR.

THE OVERALL LANDSCAPE APPROACH WILL BE TO DEVELOP AN ATTRACTIVE ENVIRONMENT THAT WILL CONVEY THE AIRPORT'S DESERT/HOSPITALITY IMAGE WITH SIMILAR PLANT MATERIAL. THE SHRUBS ARE SELECTED FOR THEIR LOW WATER USE, SUSTAINABILITY IN A LOW MAINTENANCE LANDSCAPE, AND SEASONAL COLOR (WINTER AND SPRING). THE LANDSCAPE WILL BE DOMINATED BY A VARIETY OF BOLD AND INTERESTING CACTI ACCENTS. THE DIVERSITY OF CACTI ACCENTS IS TO PROVIDE A VARIETY OF CHARACTER, COLOR, AND VARYING HEIGHTS. AS A SUSTAINABLE APPROACH, THE PROJECT WILL INCLUDE SALVAGING THE CACTI ACCENTS LOCATED WITHIN THE LARGE RETENTION BASIN NEAR GREENWAY ROAD. IF FEASIBLE, THE EXISTING AGAVES, PRICKLY PEAR, AND TOTEM POLE CACTI ACCENTS WILL BE SALVAGED, STORED OFF-SITE DURING CONSTRUCTION, THEN INCORPORATED BACK INTO THE LANDSCAPE DESIGN.

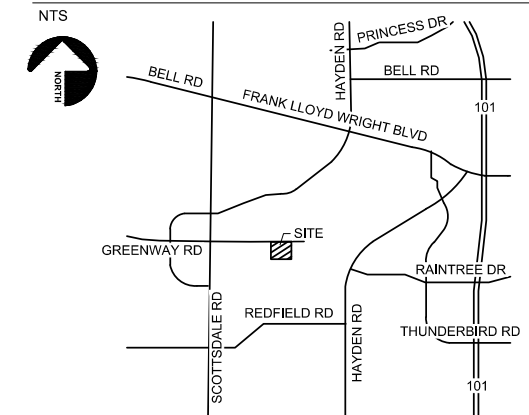
TO ADD TO THE DEPTH OF THE DESIGN, THE SIZE AND LAYOUT OF THE INERT MATERIAL (DECOMPOSED GRANITE, ANGULAR ROCK, AND BOULDERS) WILL STRENGTHEN THE DESERT/HOSPITALITY THEME. THE LAYOUT OF THE ANGULAR ROCK (3"-8" SCREENED ROCK) WILL BE LOCATED ALONG THE HARDSCAPE EDGES TO ADD TEXTURE TO THE LANDSCAPE, REDUCE SMALLER DECOMPOSED GRANITE FROM ERODING ONTO THE HARDSCAPE, AND MAINTAIN A 2" WIDE SAFETY BUFFER FROM THE CACTI ACCENTS (SPIKES/THORNS) GROWING NEAR THE WALKWAYS AND SEATING AREAS. TO HEIGHTEN AND NATURALIZE THE LAYOUT OF THE SPECIMEN SAGUARO, OCOTILLOS, AND TOTEM POLE CACTI ACCENTS, THE LANDSCAPE AREAS WILL BE DESIGNED WITH 2' TO 3' HIGH BERMS OR WITH RAISED PLANTER AREAS. THE BOULDERS WILL BE NATURALLY EMBEDDED (1/3 BOULDER BURIED) INTO THE BERMS TO HELP HEIGHTEN THE BERMS. THE CACTI ACCENTS WILL BE POSITIONED ADJACENT TO THE BERMS TO ENHANCE THE RICH DESERT LANDSCAPE.

THE LANDSCAPE WILL UTILIZE TWO SEPARATE DRIP EMITTER IRRIGATION SYSTEMS EACH CONNECTED TO A POTABLE 1" METER ONE ALONG GREENWAY ROAD AND THE OTHER AT THE PROPOSED HANGAR / SUPPORT BUILDING. THE PLANT MATERIAL, WITH THE EXCEPTION OF THE SPECIMEN SAGUARO, WILL BE INSTALLED WITH MULTI-OUTLET EMITTERS. SHRUB AND ACCENTS WILL BE CONNECTED TO SEPARATE REMOTE-CONTROL VALVES (RCV) FROM THE TREES. THE SPECIMEN SAGUARO WILL BE INSTALLED WITH SINGLE-OUTLET EMITTERS AND CONNECTED TO THE TREE RCVS. BY SPLITTING THE RCVS BY PLANT TYPE AND LOCATION ON-SITE, THE LANDSCAPE CAN BE MANAGED WITH EFFICIENT WATERING CYCLES THAT MEET EACH PLANT'S SEASONAL WATERING NEEDS. ALL THE RCVS WILL BE CONNECTED TO AN AUTOMATIC CONTROLLERS THAT PROVIDES "RAIN DELAY" AND CAN OPERATE THE SYSTEM AT DIFFERENT TIMES, AMOUNTS, AND FREQUENCIES DURING DIFFERENT SEASONS.

ADWR-PHX PLANT LIST COMPLIANCE

NOTE: ALL PLANT MATERIAL PROPOSED FOR THIS PROJECT IS PART OF THE CURRENT ADWR-PHX PLANT LIST.

VICINITY MAP



SHEET INDEX

| SHEET # | SHEET CONTENTS |
|---------|--------------------------|
| 33.0 | LANDSCAPE COVER |
| 33.1 | LANDSCAPE INVENTORY PLAN |
| 33.2 | HARDSCAPE PLAN - AREA 1 |
| 33.3 | HARDSCAPE PLAN - AREA 2 |
| 33.4 | HARDSCAPE DETAILS |
| 33.5 | HARDSCAPE DETAILS |
| 33.6 | PLANT MATERIALS |
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| 33.8 | LANDSCAPE PLAN - AREA 2 |
| 33.9 | LANDSCAPE DETAILS |
| 33.10 | LANDSCAPE DETAILS |
| 33.11 | LANDSCAPE DETAILS |
| 33.12 | IRRIGATION PLAN - AREA 1 |
| 33.13 | IRRIGATION PLAN - AREA 2 |
| 33.14 | IRRIGATION DETAILS |



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7819 E GREENWAY ROAD, SCOTTSDALE, AZ 85260

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12/20/2021 DRB SUBMITTAL
03.04.2022 PROGRESS SET
03.28.2022 DRB RESUBMITTAL

MSH NO.: 2886300-210801.01
DATE: 03.28.2022
DESIGNED BY: AB / JM
DRAWN BY: AB
CHECKED BY: JM
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SHEET CONTENTS

LANDSCAPE COVER

SHEET NO.

33.0

1 OF 15

ATTACHMENT #9

NOTE TO CONTRACTOR:
LOGAN SIMPSON DESIGN INC. HAS ENDEAVORED TO PROVIDE ACCURATE UTILITY INFORMATION BASED ON THE MOST CURRENT DATA AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS WITH RESPECT TO LINE AND GRADE PRIOR TO CONSTRUCTION. USE OF THE

INFORMATION CONTAINED IN THIS INSTRUMENT FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS INTENDED AND FOR OTHER THAN THE CLIENT FOR WHOM IT WAS PREPARED IS FORBIDDEN UNLESS EXPRESSLY PERMITTED IN WRITING IN ADVANCE TO LOGAN SIMPSON DESIGN INC. AND LOGAN SIMPSON DESIGN INC. SHALL HAVE NO LIABILITY TO ANY USER OF THIS INFORMATION WITHOUT THEIR WRITTEN CONSENT.



DRB CASE NO. 20240001

PLANT AND MATERIALS PALETTE

TREES



ACACIA ANEURA
MULGA



QUERCUS FUSIFORMIS
'JOAN LIONETTI'
JOAN LIONETTI LIVE OAK



VITEX AGNUS-CASTUS
CHASTE TREE

PALMS



PHOENIX DACTYLIFERA
DATE PALM

ACCENTS / GRASSES



AGAVE OVATIFOLIA
WHALE'S TONGUE AGAVE



AGAVE VICTORIAE-REGINAE
QUEEN VICTORIA AGAVE



ALOE VERA
MEDICINAL ALOE
'YELLOW FLOWERING'



CARNEGIA GIGANTEA
SAGUARO



DASYLIRION WHEELERI
GREY DESERT SPOON



ECHINOCACTUS GRUSONII
GOLDEN BARREL CACTUS



ECHOPSIS PACHANOI
SAN PEDRO CACTUS



EUPHORBIA ANTISYPHILITICA
CANDELILLA EUPHORBIA



EUPHORBIA RESINIFERA
MOROCCAN MOUND



FOUQUIERIA SPLENDENS
OCOTILLO



HESPERALOE PARVIFLORA
YELLOW YUCCA



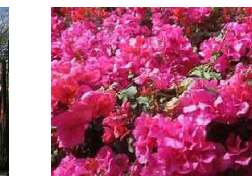
MUHLENBERGIA CAPILLARIS
REGAL MIST MUHLY



MYRTILLOCACTUS
GEOMETRIZANS
BLUE MYRTLE



PACHYCEREUS MARGINATUS
MEXICAN FENCE POST



BOUGAINVILLEA X
'BARBARA KARST'
BOUGAINVILLEA

SHRUBS CONT'D



DODONAEA VISCOSA
HOP BUSH



EREMOPHILA MACULATA
'VALENTINE'
VALENTINE SPOTTED EMU BUSH



ROSMARINUS OFFICINALIS
ROSEMARY



RUELLIA BRITTONIANA
RUELLIA



TECOMA STANS 'GOLD STAR'
YELLOW BELLS

GROUND-COVERS



LANTANA X 'NEW GOLD'
NEW GOLD LANTANA

INERT MATERIALS



ANGULAR ROCK
COLOR: MADISON GOLD



DECOMPOSED GRANITE
COLOR: MADISON GOLD
1/2" SCREENED, 2" DEPTH, MIN.



SURFACE SELECT BOULDER



UNPOLISHED BEACH
PEBBLE

LANDSCAPE SCHEDULE

| TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT |
|-----------------------|-----------|--|--------------------------------|---------------------------------|
| | 4 | ACACIA ANEURA | MULGA | 48"BOX (3" CAL) SINGLE TRUNK |
| | 10 | QUERCUS FUSIFORMIS 'JOAN LIONETTI' | JOAN LIONETTI LIVE OAK | 48"BOX (3" CAL) SINGLE TRUNK |
| | 11 | VITEX AGNUS-CASTUS | CHASTE TREE | 36"BOX (2" CAL) MULTI-TRUNK |
| PALM TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT |
| | 10 | PHOENIX DACTYLIFERA | DATE PALM | 18'-0" |
| ACCENTS | QTY | BOTANICAL NAME | COMMON NAME | CONT |
| | 4 | AGAVE OVATIFOLIA | WHALE'S TONGUE AGAVE | 15 GAL |
| | 13 | AGAVE VICTORIAE-REGINAE | QUEEN VICTORIA AGAVE | 5 GAL |
| | 38 | ALOE VERA "YELLOW FLOWERING" | MEDICINAL ALOE | 15 GAL |
| | 2 | CARNEGIA GIGANTEA | SAGUARO | 6' - 8' SPEAR |
| | 1 | CARNEGIA GIGANTEA | SAGUARO | 12' WITH ARM |
| | 36 | ECHINOCEREUS GRUSONII | GOLDEN BARREL CACTUS | 10" DIA |
| | 28 | ECHINOCEREUS GRUSONII | GOLDEN BARREL CACTUS | 14" DIA |
| | 15 | ECHINOPSIS PACHANOI | SAN PEDRO CACTUS | 15 GAL |
| | 20 | EUPHORBIA ANTISYPHILITICA | CANDELILLA EUPHORBIA | 5 GAL |
| | 31 | EUPHORBIA RESINIFERA | MORROCAN MOUND | 5 GAL |
| | 2 | FOUQUIERIA SPLENDENS | OCOTILLO | 24" BOX (12 CANE MIN.) |
| | 35 | HESPERALOE PARVIFLORA 'YELLOW' | YELLOW YUCCA | 5 GAL |
| | 7 | MYRTILLOCACTUS GEOMETRIZANS | BLUE MYRTLE | 24"BOX |
| | 37 | PACHYCEREUS MARGINATUS | MEXICAN FENCE POST | 15 GAL |
| SHRUBS | QTY | BOTANICAL NAME | COMMON NAME | CONT |
| | 9 | BOUGAINVILLEA X 'BARBARA KARST' | BARBARA KARST BOUGAINVILLEA | 5 GAL |
| | 71 | DODONAEA VISCOSA | HOPSEED BUSH | 5 GAL |
| | 14 | EREMOPHILA MACULATA 'VALENTINE' | VALENTINE EMU BUSH | 5 GAL |
| | 82 | MUHLENBERGIA CAPILLARIS 'REGAL MIST' TM | REGAL MIST MUHLY | 5 GAL |
| | 33 | ROSMARINUS OFFICINALIS | ROSEMARY | 5 GAL |
| | 68 | RUELLIA BRITTONIANA | PURPLE RUELLIA | 5 GAL |
| | 10 | SANSEVIERIA TRIFASCIATA | MOTHER-IN-LAW'S TONGUE | 5 GAL |
| | 38 | TECOMA STANS 'GOLD STAR' | YELLOW BELLS | 5 GAL |
| GROUNDCOVERS | QTY | BOTANICAL NAME | COMMON NAME | CONT |
| | 23 | LANTANA X 'NEW GOLD' | NEW GOLD LANTANA | 5 GAL |
| INERT MATERIAL | QTY | DESCRIPTION | TYPE / COLOR | SIZE |
| | 2,030 SF | ANGULAR ROCK | COLOR TO BE MADISON GOLD | 3"-8" 6"-8" DEEP |
| | 17,180 SF | DECOMPOSED GRANITE | COLOR TO BE MADISON GOLD | 1/2" SCREENED 2" DEEP |
| | 450 SF | MEXICAN BEACH PEBBLE | UNPOLISHED BLACK | 1"-2" SCREENED 2" DEEP |
| | 560 SF | SYNTHETIC TURF | SEE DETAIL 1 / SHEET 33.6 | |
| | 5 | LARGE BOULDER | SURFACE SELECT BOULDER | 3-TON (4' X 6' X 4') |
| | 18 | MEDIUM BOULDER | SURFACE SELECT BOULDER | 2 TON (3' X 4' X 3') |
| | 13 | SMALL BOULDER | SURFACE SELECT BOULDER | 1-TON (1' X 2' X 1') |
| EXISTING PLANT LEGEND | | | | |
| | ID # | SALVAGED | | |
| | ID # | REMAIN IN PLACE | | |

NOTE: THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4- FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.

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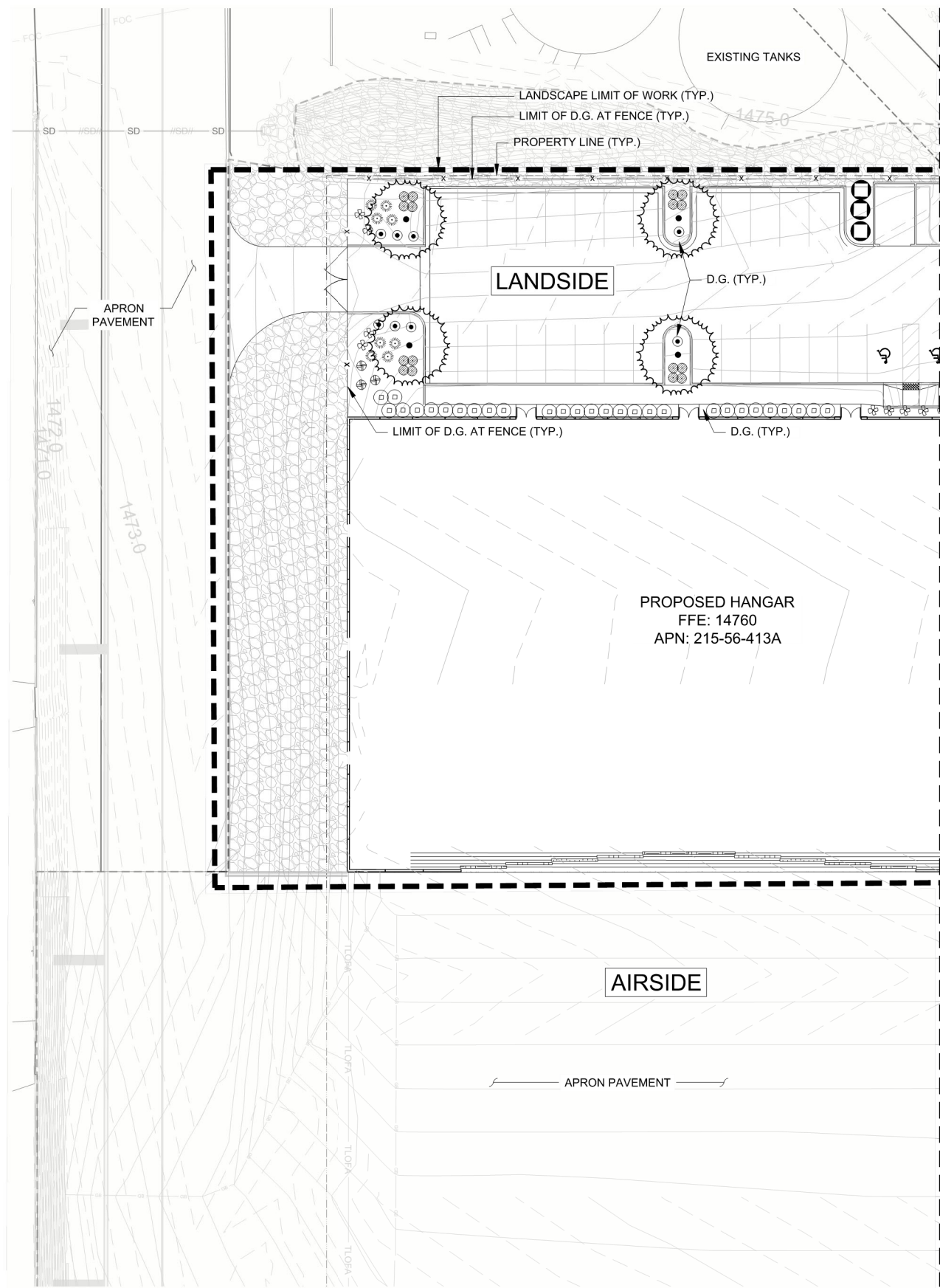
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SHEET CONTENTS

SHEET NO. 33.6
PLANT MATERIALS
7 OF 15

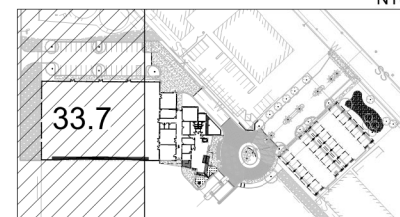
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LANDSCAPE LEGEND

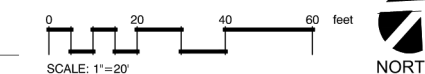
| TREES | BOTANICAL NAME | COMMON NAME |
|-----------------------|---|------------------------------|
| | ACACIA ANEURA | MULGA |
| | QUERCUS FUSIFORMIS 'JOAN LIONETTI' | JOAN LIONETTI LIVE OAK |
| | VITEX AGNUS-CASTUS | CHASTE TREE |
| PALM TREES | BOTANICAL NAME | COMMON NAME |
| | PHOENIX DACTYLIFERA | DATE PALM |
| ACCENTS | BOTANICAL NAME | COMMON NAME |
| | AGAVE OVATIFOLIA | WHALE'S TONGUE AGAVE |
| | AGAVE VICTORIAE-REGINAE | QUEEN VICTORIA AGAVE |
| | ALOE VERA "YELLOW FLOWERING" | MEDICINAL ALOE |
| | CARNEGIEA GIGANTEA | SAGUARO 6' - 8' SPEAR |
| | CARNEGIEA GIGANTEA | SAGUARO 12' WITH ARM |
| | ECHINOCEREUS GRUSONII | GOLDEN BARREL CACTUS 10" DIA |
| | ECHINOCEREUS GRUSONII | GOLDEN BARREL CACTUS 14" DIA |
| | ECHINOPSIS PACHANOI | SAN PEDRO CACTUS |
| | EUPHORBIA ANTISYPHILITICA | CANDELILLA EUPHORBIA |
| | EUPHORBIA RESINIFERA | MORROCAN MOUND |
| | FOUQUIERIA SPLENDENS | OCOTILLO |
| | HESPERALOE PARVIFLORA 'YELLOW' | YELLOW YUCCA |
| | MYRTILLOCACTUS GEOMETRIZANS | BLUE MYRTLE |
| | PACHYCEREUS MARGINATUS | MEXICAN FENCE POST |
| SHRUBS | BOTANICAL NAME | COMMON NAME |
| | BOUGAINVILLEA X 'BARBARA KARST' | BARBARA KARST BOUGAINVILLEA |
| | DODONAEA VISCOSA | HOPSEED BUSH |
| | EREMOPHILA MACULATA 'VALENTINE' | VALENTINE EMU BUSH |
| | MUHLENBERGIA CAPILLARIS 'REGAL MIST' TM | REGAL MIST MUHLY |
| | ROSMARINUS OFFICINALIS | ROSEMARY |
| | RUPELLIA BRITTONIANA | PURPLE RUELLIA |
| | SANSEVIERIA TRIFASCIATA | MOTHER-IN-LAW'S TONGUE |
| | TECOMA STANS 'GOLD STAR' | YELLOW BELLS |
| GROUNDCOVERS | BOTANICAL NAME | COMMON NAME |
| | LANTANA X 'NEW GOLD' | NEW GOLD LANTANA |
| INERT MATERIAL | DESCRIPTION | COLOR |
| | ANGULAR ROCK | COLOR TO BE MADISON GOLD |
| | D.G. | COLOR TO BE MADISON GOLD |
| | MEXICAN BEACH PEBBLE | UNPOLISHED BLACK |
| | SYNTHETIC TURF | SEE DETAIL 1 / SHEET 33.6 |
| | LARGE BOULDER | SURFACE SELECT BOULDER |
| | MEDIUM BOULDER | SURFACE SELECT BOULDER |
| | SMALL BOULDER | SURFACE SELECT BOULDER |
| EXISTING PLANT LEGEND | ID # | STATUS |
| | SALVAGED | |
| | REMAIN IN PLACE | |

KEYMAP



LANDSCAPE PLAN - AREA 1

- NOTES:**
- BLEND IN DECOMPOSED GRANITE WITH ADJACENT DECOMPOSED / ANGULAR ROCK.
 - THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4-FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.



NOTE

- ANGULAR (CASPR) ROCK CALLED OUT ON PLANS IS NOT PART OF THE LANDSCAPE INERT MATERIALS. REFER TO CIVIL PLANS FOR SIZE, COLOR, AND ADDITIONAL SPECIFICATIONS ON ROCK.

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 PROJECT CACTUS**
 7819 E GREENWAY ROAD, SCOTTSDALE, AZ 85260

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 12/20/2021 DRB SUBMITTAL
 03.04.2022 PROGRESS SET
 03.28.2022 DRB RESUBMITTAL

MSH NO.: 2886300-210801.01
 DATE: 03.28.2022
 DESIGNED BY: AB / JM
 DRAWN BY: AB
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SHEET CONTENTS
 LANDSCAPE PLAN - AREA 1

SHEET NO.
33.7
 8 OF 15



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**JET AVIATION
 PROJECT CACTUS
 BID PACKAGE 2B**
 7811 E GREENWAY ROAD, SCOTTSDALE, AZ 85260

ISSUED
 12/20/2021 DRB SUBMITTAL
 03/28/2022 DRB RESUBMITTAL
 05/27/22 95% CDs
 06/10/22 DRB RESUBMITTAL
 002

NOT FOR CONSTRUCTION

MSH NO.: 2886300-210801.01
 DATE: JUNE 10, 2022
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SHEET CONTENTS

LANDSCAPE PLAN - AREA 2

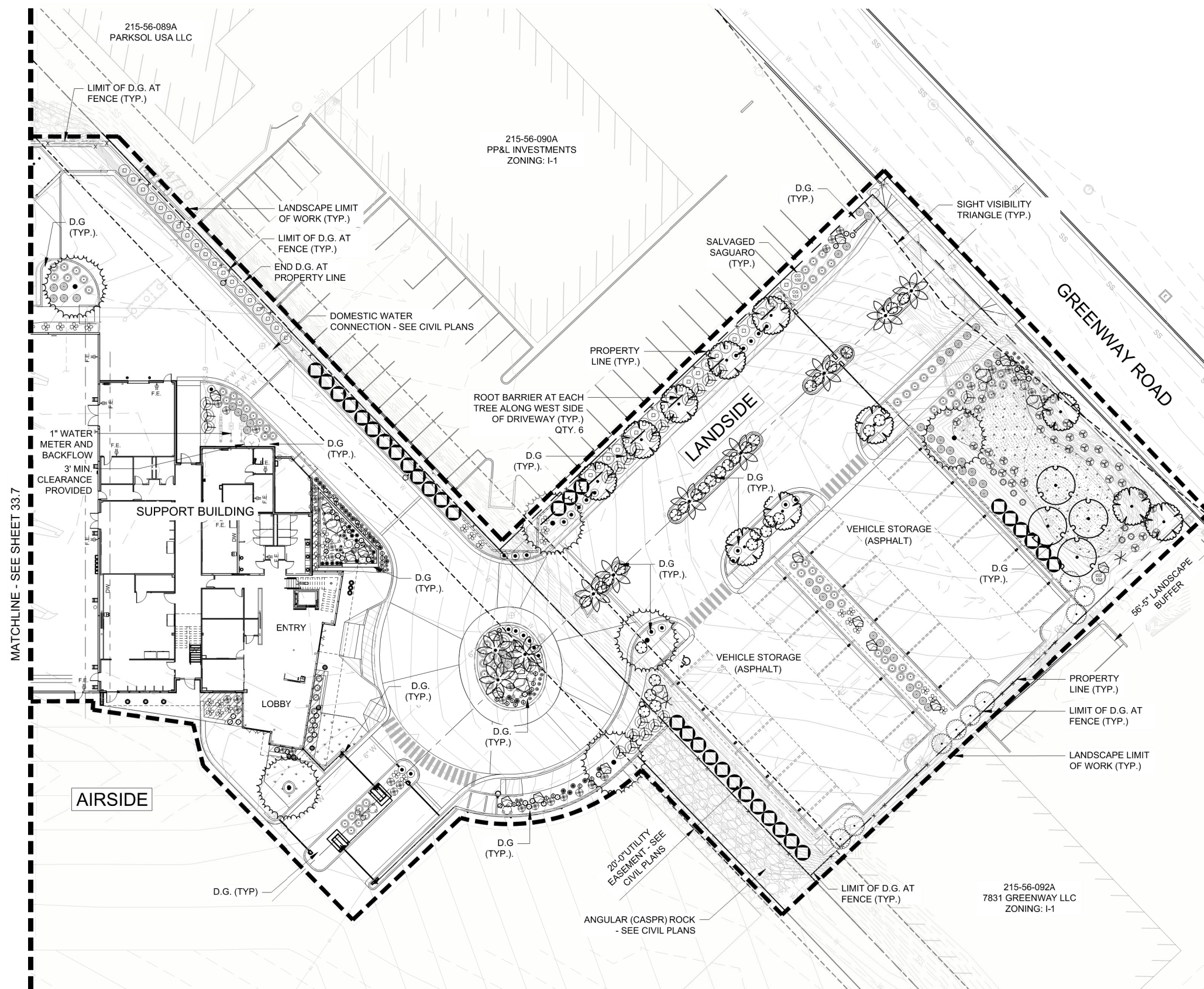
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33.8

9 OF 15

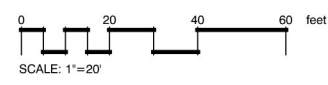
LANDSCAPE LEGEND

| TREES | BOTANICAL NAME | COMMON NAME |
|-----------------------|---|-----------------------------------|
| | ACACIA ANEURA | MULGA |
| | QUERCUS FUSIFORMIS 'JOAN LIONETTI' | JOAN LIONETTI LIVE OAK |
| | VITEK AGNUS-CASTUS | CHASTE TREE |
| PALM TREES | BOTANICAL NAME | COMMON NAME |
| | PHOENIX DACTYLIFERA | DATE PALM |
| ACCENTS | BOTANICAL NAME | COMMON NAME |
| | AGAVE OVATIFOLIA | WHALE'S TONGUE AGAVE |
| | AGAVE VICTORIAE-REGINAE | QUEEN VICTORIA AGAVE |
| | ALOE VERA "YELLOW FLOWERING" | MEDICINAL ALOE |
| | CARNEGIEA GIGANTEA | SAGUARO |
| | CARNEGIEA GIGANTEA | 6' - 8' SPEAR SAGUARO |
| | ECHINOCEREUS GRUSONII | 12" WITH ARM GOLDEN BARREL CACTUS |
| | ECHINOCEREUS GRUSONII | 10" DIA GOLDEN BARREL CACTUS |
| | ECHINOPSIS PACHANOI | 14" DIA SAN PEDRO CACTUS |
| | EUPHORBIA ANTISYPHILITICA | CANDELLA EUPHORBIA |
| | EUPHORBIA RESINIFERA | MORROCAN MOUND |
| | FOQUIERIA SPLENDENS | OCOTILLO |
| | HESPERALOE PARVIFLORA "YELLOW" | YELLOW YUCCA |
| | MYRtillocactus GEOMETRIZANS | BLUE MYRTLE |
| | PACHYCEREUS MARGINATUS | MEXICAN FENCE POST |
| SHRUBS | BOTANICAL NAME | COMMON NAME |
| | BOUGAINVILLEA X 'BARBARA KARST' | BARBARA KARST BOUGAINVILLEA |
| | DODONAEA VISCOSA | HOPSEED BUSH |
| | EREMOPHILA MACULATA "VALENTINE" | VALENTINE EMU BUSH |
| | MUHLENBERGIA CAPILLARIS "REGAL MIST" TM | REGAL MIST MUHLY |
| | ROSMARINUS OFFICINALIS | ROSEMARY |
| | RUPELLIA BRITTONIANA | PURPLE RUELLIA |
| | TECOMA STANS 'GOLD STAR' | YELLOW BELLS |
| GROUNDCOVERS | BOTANICAL NAME | COMMON NAME |
| | LANTANA X 'NEW GOLD' | NEW GOLD LANTANA |
| INERT MATERIAL | DESCRIPTION | COLOR |
| | ANGULAR ROCK | COLOR TO BE MADISON GOLD |
| | DECOMPOSED GRANITE | COLOR TO BE MADISON GOLD |
| | MEXICAN BEACH PEBBLE | UNPOLISHED BLACK |
| | SYNTHETIC TURF | SEE DETAIL 1 / SHEET 33.6 |
| | LARGE BOULDER | SURFACE SELECT BOULDER |
| | MEDIUM BOULDER | SURFACE SELECT BOULDER |
| | SMALL BOULDER | SURFACE SELECT BOULDER |
| EXISTING PLANT LEGEND | ID # | REMARKS |
| | SALVAGED | |
| | REMAIN IN PLACE | |

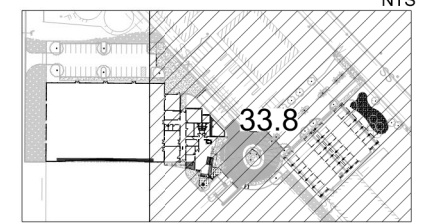


LANDSCAPE PLAN - AREA 2

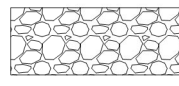
NOTES:
 1. BLEND IN DECOMPOSED GRANITE WITH ADJACENT DECOMPOSED / ANGULAR ROCK.
 2. THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4- FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.



KEYMAP



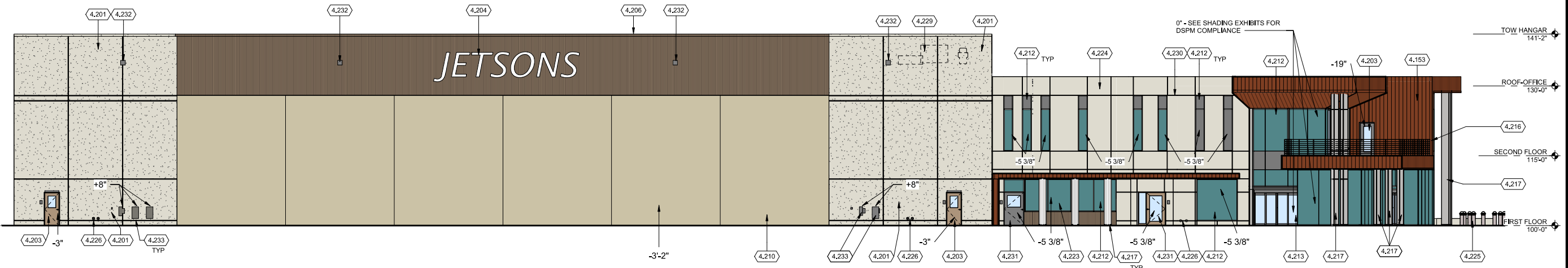
NOTE
 1. ANGULAR (CASPR) ROCK CALLED OUT ON PLANS IS NOT PART OF THE LANDSCAPE INERT MATERIALS. REFER TO CIVIL PLANS FOR SIZE, COLOR, AND ADDITIONAL SPECIFICATIONS ON ROCK.



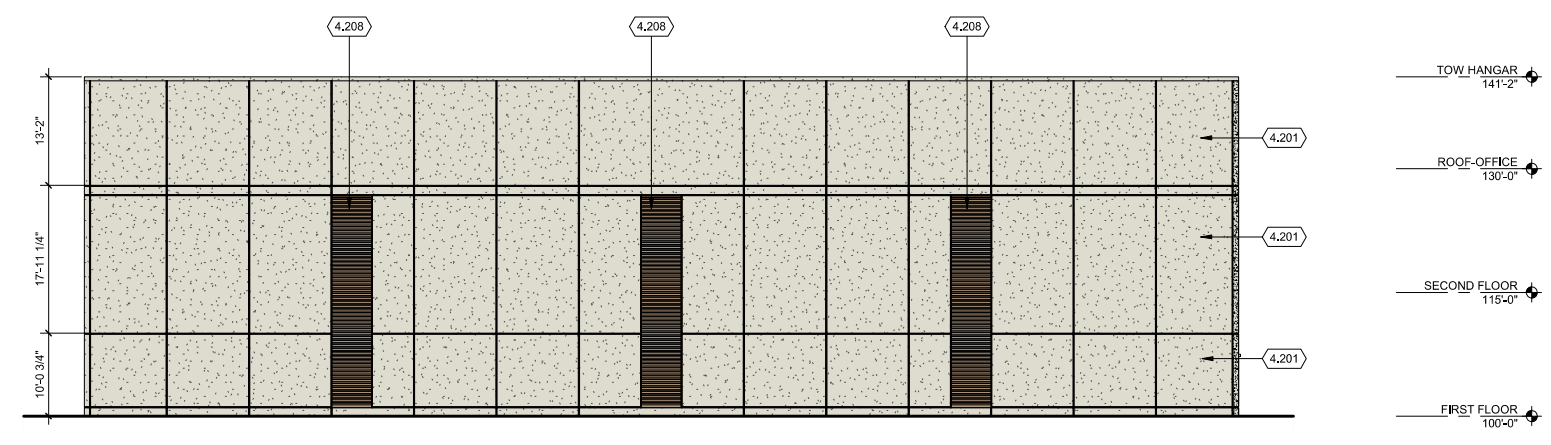
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1 EAST ELEVATION
 3/32" = 1'-0"



2 SOUTH ELEVATION
 3/32" = 1'-0"

KEYED NOTES

- 4.153 WOOD LOOK METAL PLANK, COLOR: MP-3
- 4.201 TILT UP CONCRETE PANEL, COLOR: PT-1.
- 4.203 HOLLOW METAL EXTERIOR DOOR, MP-2.
- 4.204 LED ILLUMINATED CHANNEL LETTER SIGNAGE
- 4.206 PREFINISHED METAL PARAPET CAP FLASHING
- 4.208 INTAKE LOUVERS, COLOR: MP-2.
- 4.210 SLIDING HANGAR DOOR, COLOR: MP-1.
- 4.212 ALUMINUM FRAMED GLAZING W/ INSULATED VISION AND/ OR SPANDREL LITES.
- 4.213 ALUMINUM AUTOMATIC SLIDING ENTRANCE SYSTEM WITH EMERGENCY BREAK AWAY PANELS.
- 4.216 PREFINISHED STAINLESS STEEL & STAINLESS BRAIDED WIRE GUARDRAIL SYSTEM COLOR: GR-1
- 4.217 PREFINISHED METAL COLUMN COVER OVER STEEL COLUMN, COLOR: CC-1
- 4.223 METAL PANEL, COLOR MP-2.
- 4.224 PORTLAND CEMENT PLASTER, COLOR PT-1
- 4.225 SITE LIGHTING - SEE ELECT
- 4.226 DOWNSPOUT NOZZLE - SEE PLBG
- 4.229 SCREENED ROOF MOUNTED MECHANICAL EQUIPMENT BEYOND
- 4.230 PORTLAND CEMENT PLASTER CONTROL JOINT/ REVEAL - TYP
- 4.231 ALUMINUM DOOR AND FRAME - COLOR: CLEAR ANODIZED
- 4.232 BUILDING MOUNTED LIGHT FIXTURE
- 4.233 BUILDING MOUNTED ELECTRICAL EQUIPMENT

GENERAL NOTES:

1. EXTERIOR VISION GLAZING SHALL BE UNIFORM IN COLOR, GLAZED DOORS SHOWN LIGHTER TO DIFFERENTIATE BETWEEN WINDOWS & DOORS

**JET AVIATION
 PROJECT CACTUS
 BID PACKAGE 2B
 7811 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260**

ISSUED
 12/20/21 DRB SUBMITTAL
 1 03/28/22 DRB RESUBMITTAL
 DRB RESUBMITTAL
 06/10/22 DRB RESUBMITTAL 002

NOT FOR CONSTRUCTION

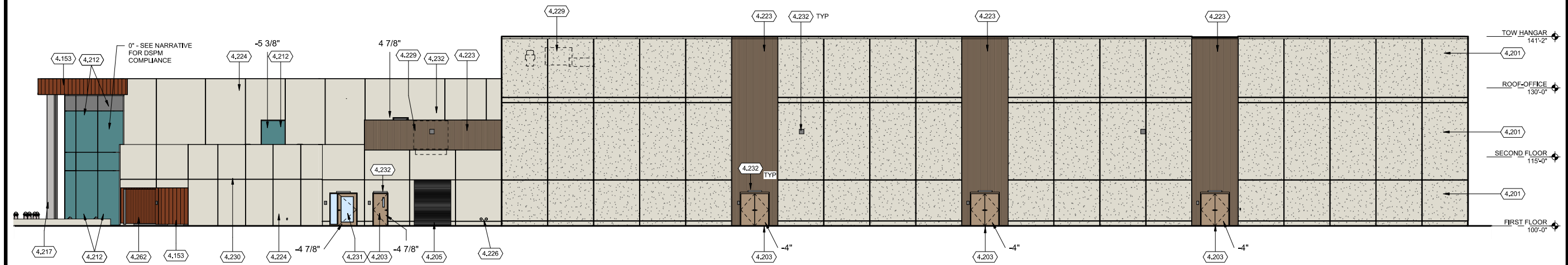
M&H NO.: 2886300-210801.01
 DATE: JUNE 10, 2022
 DESIGNED BY: LW
 DRAWN BY: KEL, CSD
 CHECKED BY: SW
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SHEET CONTENTS
 EXTERIOR
 ELEVATIONS -
 COLOR

SHEET NO.:

40.1

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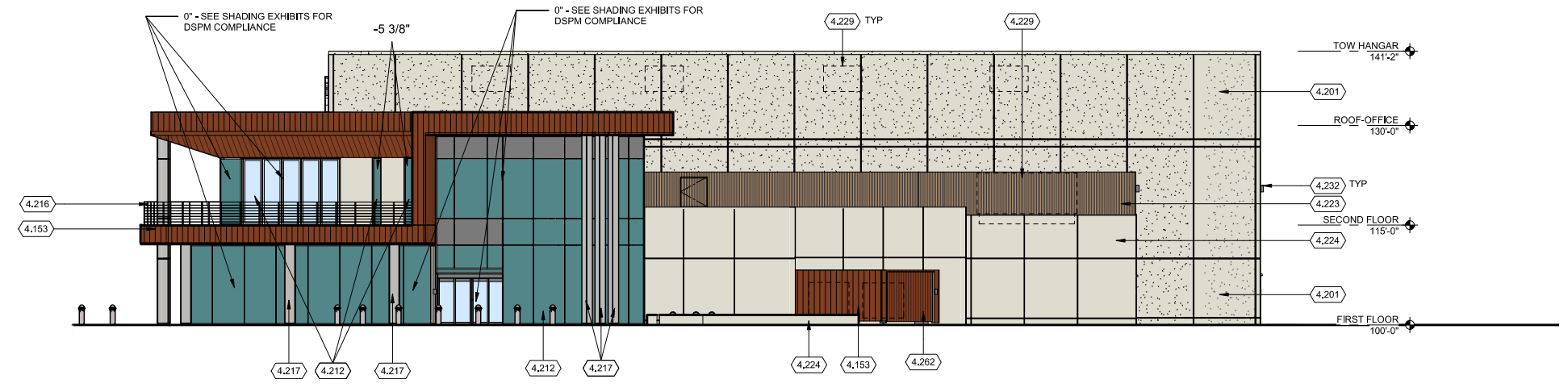
1 WEST ELEVATION
 3/32" = 1'-0"

KEYED NOTES

- 4.153 WOOD LOOK METAL PLANK, COLOR: MP-3
- 4.201 TILT UP CONCRETE PANEL, COLOR: PT-1.
- 4.203 HOLLOW METAL EXTERIOR DOOR, MP-2.
- 4.205 STEEL COILING DOOR, COLOR: MP-2
- 4.212 ALUMINUM FRAMED GLAZING W/ INSULATED VISION AND/ OR SPANDREL LITES.
- 4.216 PREFINISHED STAINLESS STEEL & STAINLESS BRAIDED WIRE GUARDRAIL SYSTEM COLOR: GR-1
- 4.217 PREFINISHED METAL COLUMN COVER OVER STEEL COLUMN, COLOR: CC-1
- 4.223 METAL PANEL, COLOR MP-2.
- 4.224 PORTLAND CEMENT PLASTER, COLOR PT-1
- 4.226 DOWNSPOUT NOZZLE - SEE PLBG
- 4.229 SCREENED ROOF MOUNTED MECHANICAL EQUIPMENT BEYOND
- 4.230 PORTLAND CEMENT PLASTER CONTROL JOINT/ REVEAL - TYP
- 4.231 ALUMINUM DOOR AND FRAME - COLOR: CLEAR ANODIZED
- 4.232 BUILDING MOUNTED LIGHT FIXTURE
- 4.234 STEEL GATE, COLOR: BLACK WITH 6" WOOD-LOOK METAL PLANK MP-5
- 4.262 STEEL GATE, COLOR: BLACK WITH WOOD-LOOK METAL PLANK COLOR MP-3

GENERAL NOTES:

1. EXTERIOR VISION GLAZING SHALL BE UNIFORM IN COLOR, GLAZED DOORS SHOWN LIGHTER TO DIFFERENTIATE BETWEEN WINDOWS & DOORS



2 NORTH ELEVATION
 3/32" = 1'-0"

**JET AVIATION
 PROJECT CACTUS
 BID PACKAGE 2B
 7811 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260**

ISSUED
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 1 03/28/22 DRB RESUBMITTAL
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SHEET CONTENTS
 EXTERIOR
 ELEVATIONS -
 COLOR

SHEET NO.:

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1 NORTH FACADE
 NO SCALE

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 SCOTTSDALE, AZ 85260

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SHEET CONTENTS
 RENDERING
 PERSPECTIVE

SHEET NO.:

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1 PARTIAL EAST FACADE
 NO SCALE

**JET AVIATION
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 RENDERING
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1 VIEW LOOKING SOUTH AT VEHICLE STORAGE SCREEN WALL - FRONT
 NO SCALE

**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
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 1 03/28/22 DRB
 RESUBMITTAL

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MEH NO.: 2886300-210801.01
 DATE: MARCH 28, 2022
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1 VIEW LOOKING SOUTH AT VEHICLE STORAGE SCREEN WALL - SIDE
 1" = 80'-0"

**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 1 03/28/22 DRB
 RESUBMITTAL

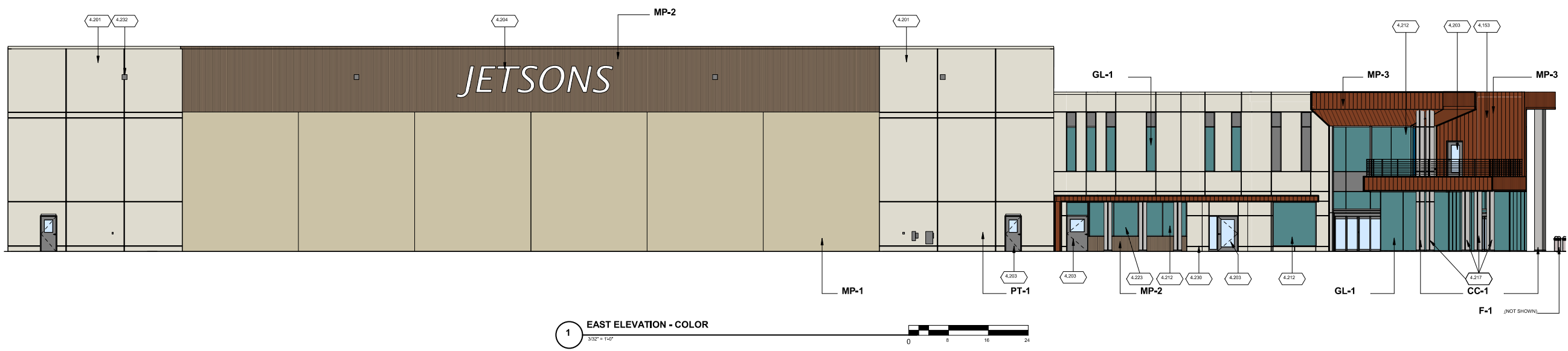
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MEH NO.: 2886300-210801.01
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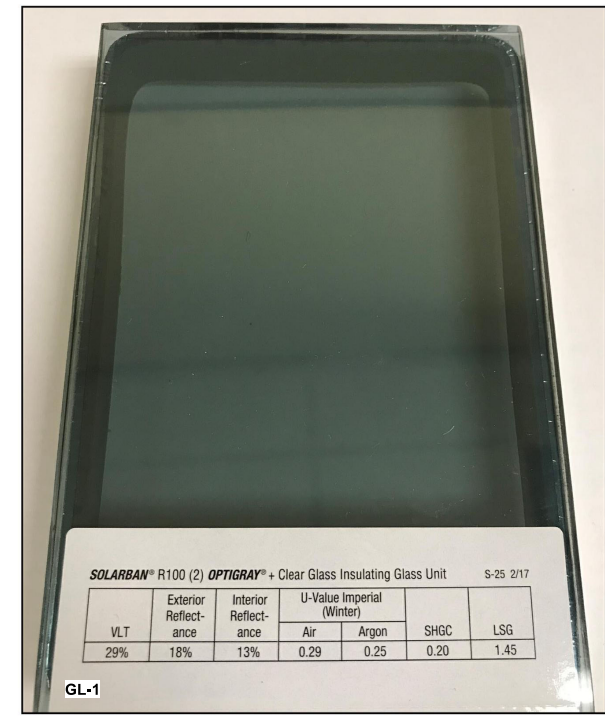
1 EAST ELEVATION - COLOR
 3/32" = 1'-0"

KEYED NOTES

- 4.153 WOOD LOOK METAL PLANK, COLOR: MP-3
- 4.201 TILT UP CONCRETE PANEL, COLOR: PT-1.
- 4.203 HOLLOW METAL EXTERIOR DOOR, MP-2.
- 4.204 LED ILLUMINATED CHANNEL LETTER SIGNAGE
- 4.212 ALUMINUM FRAMED GLAZING W/ INSULATED VISION AND/ OR SPANDREL LITES.
- 4.217 PREFINISHED METAL COLUMN COVER OVER STEEL COLUMN, COLOR: CC-1
- 4.223 METAL PANEL, COLOR MP-2.
- 4.230 PORTLAND CEMENT PLASTER CONTROL JOINT/ REVEAL - TYP
- 4.232 BUILDING MOUNTED LIGHT FIXTURE

EXTERIOR FINISH SCHEDULE

- CC-1 PAC-CLAD PETERSON, PAC 1000F COLUMN COVER, ANODIC CLEAR.
- F-1 AMERSTAR ASSA ABLOY FENCE PRODUCTS, WIREWORK ANTI-CLIMB WELDED WIRE FENCE, BRONZE.
- GL-1 VITRO ARCHITECTURAL GLAZING SOLARBAN R100 (2) OPTIGRAY + CLEAR GLASS 1" INSULATED GLASS UNIT
- PT-1 SHERWIN WILLIAMS, SW 2011, NATURAL CHOICE
- MP-1 AMERICAN SPECIALTIES, PVDF, WARM WHITE
- MP-2 BERRIDGE, BR-12 PANEL, BUCKSKIN
- MP-3 ROLLFAB METAL PRODUCTS, ALUMABOARD (10' PLANK @ BUILDING), (8' PLANK @ SITE GATES), HAZELNUT BROWN
- MP-4 ROLLFAB METAL PRODUCTS, 78" CLASSIC CORRUGATED, MATCH PT-1 AT BACKSIDE OF SITE UTILITY WALLS, WHITE TO MATCH ROOF MEMBRANE AT BACKSIDE OF PARAPET WALLS (NOT SHOWN THIS SHEET - UTILITY PANEL NOT VISIBLE TO PUBLIC)



JET AVIATION
 PROJECT CACTUS
 BID PACKAGE 2B
 7811 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
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 1' 03/28/22 DRB RESUBMITTAL
 06/10/22 DRB RESUBMITTAL 002

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M&H NO.: 288300-210801.01
 DATE: JUNE 10, 2022
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SHEET CONTENTS
 EXTERIOR BUILDING COLOR & MATERIAL SAMPLE BOARD

SHEET NO.:

75.1

**JET AVIATION
PROJECT CACTUS
BID PACKAGE 2B**
7811 E GREENWAY ROAD
SCOTTSDALE, AZ 85260

ISSUED
12/20/21 DRB SUBMITTAL
1' 03/28/22 DRB
RESUBMITTAL
2' 06/10/22 DRB
RESUBMITTAL 002

NOT FOR CONSTRUCTION

MBH NO.: 2886300-210801.01
DATE: JULY 01, 2022
DESIGNED BY: ARG
DRAWN BY: KJM
CHECKED BY: ARG
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SHEET CONTENTS
ELECTRICAL SITE
PLAN DRB

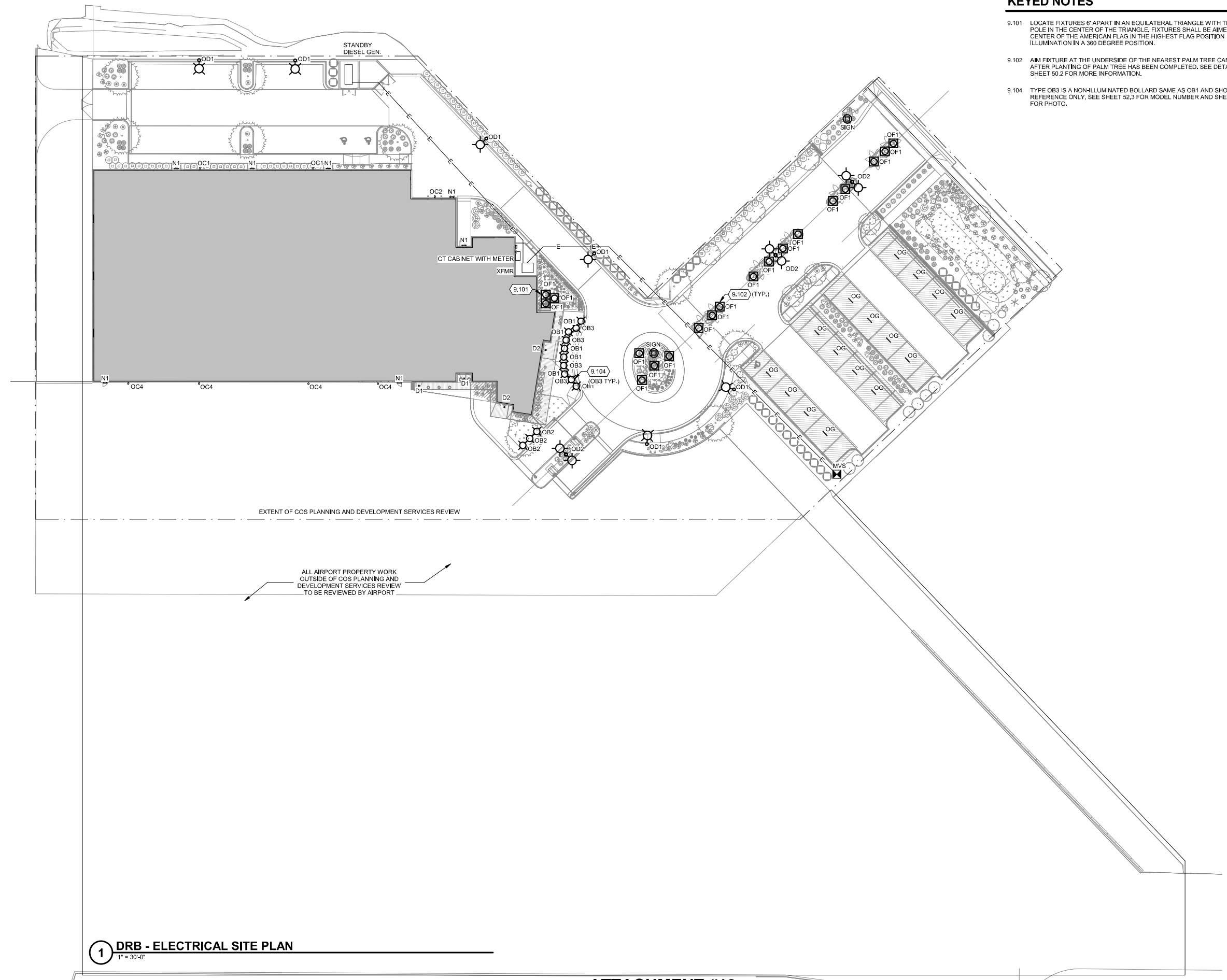
SHEET NO.:

50.3

DRB CASE NO.: 52-DR-2021

KEYED NOTES

- 9.101 LOCATE FIXTURES 6' APART IN AN EQUILATERAL TRIANGLE WITH THE FLAG POLE IN THE CENTER OF THE TRIANGLE. FIXTURES SHALL BE AIMED TO THE CENTER OF THE AMERICAN FLAG IN THE HIGHEST FLAG POSITION FOR ILLUMINATION IN A 360 DEGREE POSITION.
- 9.102 AIM FIXTURE AT THE UNDERSIDE OF THE NEAREST PALM TREE CANOPY AFTER PLANTING OF PALM TREE HAS BEEN COMPLETED. SEE DETAIL 3 ON SHEET 50.2 FOR MORE INFORMATION.
- 9.104 TYPE OB3 IS A NON-ILLUMINATED BOLLARD SAME AS OB1 AND SHOWN FOR REFERENCE ONLY. SEE SHEET 52.3 FOR MODEL NUMBER AND SHEET 52.7 FOR PHOTO.

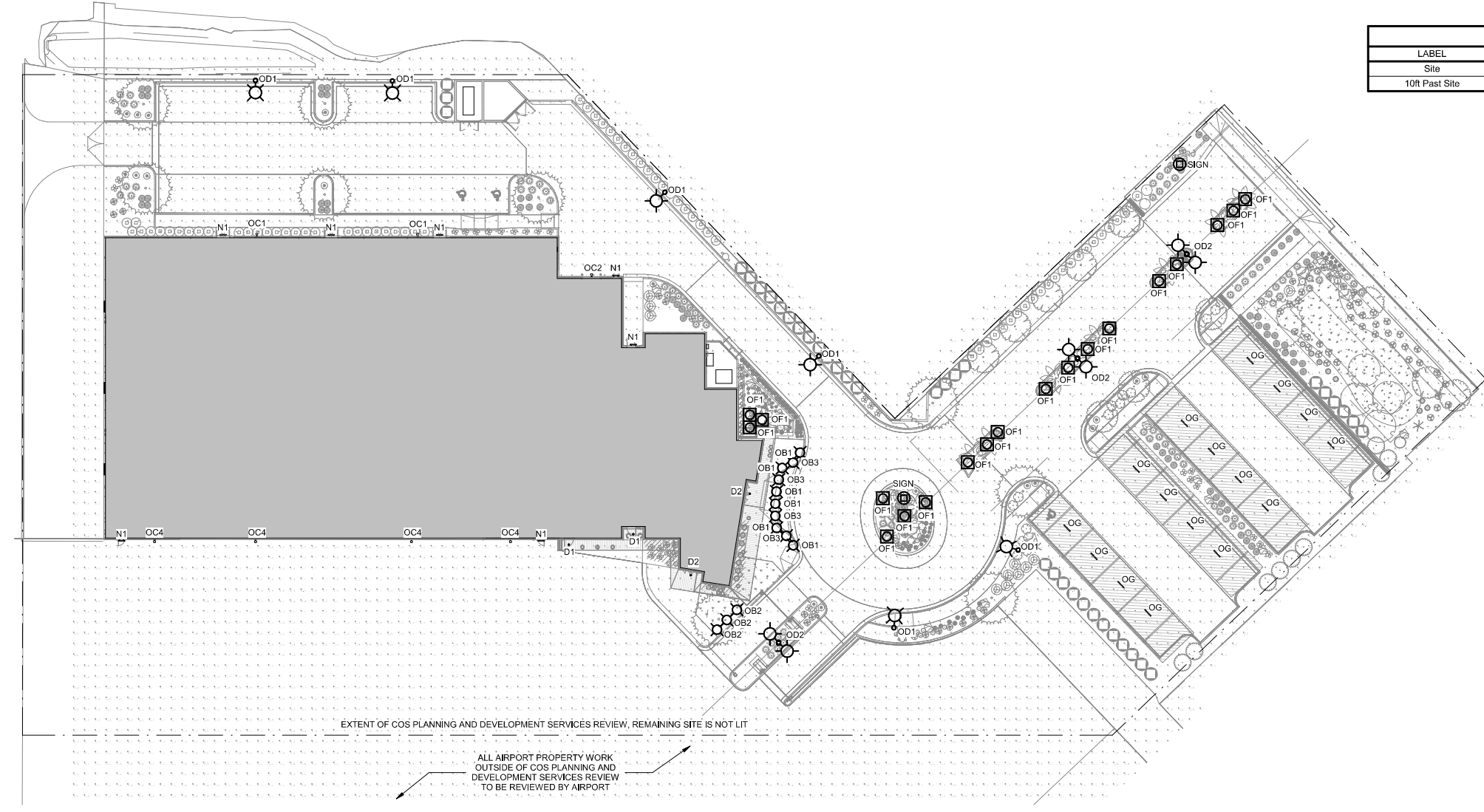


1 DRB - ELECTRICAL SITE PLAN
1" = 30'-0"

| CALCULATION SUMMARY | | | |
|---------------------|---|--------|-------------|
| LABEL | DESCRIPTION | HEIGHT | LOSS FACTOR |
| D1 | ICO02VR-30/02-SMO-45D-MVOLT-UGZ-DDB | 10' 0" | 1.00 |
| D2 | ICO02VR-30/02-SMO-15D-MVOLT-UGZ-DDB | 29' 0" | 1.00 |
| N1 | BLD-36IN-MIN10-2DRV-15W-30K-MVOLT-DP-BRZ | 7' 1" | 1.00 |
| OB1 | LBHLO-1203-M40-360 | 3' 4" | 1.00 |
| OB2 | LBHLO-1203-180 | 3' 4" | 1.00 |
| OC1 | GLEON-SA2-A-730-U-T3R-WM-BZ-DIM-F-HSS-MT | 20' 0" | 1.00 |
| OC2 | GLEON-SA1-A-730-U-T4RT-WM-BZ-DIM-F-HSS-MT | 20' 0" | 1.00 |
| OC4 | VSC-II-T4-48LC-7-3K-UNV-WM-GP-DIM | 34' 6" | 1.00 |
| OD1 | GLEON-SA2-A-730-U-T3R-BZ-DIM-F-HSS-MT | 20' 0" | 1.00 |
| OD2 | GLEON-SA2-A-730-U-T3R-BZ-DIM-F-HSS-MT | 20' 0" | 1.00 |
| OF1 | LMWL-BR-15-30 | 0' 0" | 1.00 |
| OG | LLHC2-S-F-8.8W-42K-24V-48IN | 9' 0" | 1.00 |

| CALCULATION SUMMARY | | | | | | |
|---------------------|-------|------|-----|-----|-----------|-----------|
| LABEL | UNITS | AVG | MAX | MIN | AVG / MIN | MAX / MIN |
| Site | FC | 0,46 | 8,0 | 0,0 | N.A. | N.A. |
| 10ft Past Site | FC | 0,80 | 1,3 | 0,0 | N.A. | N.A. |

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1 ELECTRICAL PHOTOMETRICS SITE PLAN DRB - HORIZONTAL LIGHTING
 1" = 30'-0"

KEYED NOTES

**JET AVIATION
 PROJECT CACTUS
 BID PACKAGE 2B**
 7811 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 12/20/21 DRB SUBMITTAL
 1' 03/28/22 DRB RESUBMITTAL
 2' 06/10/22 DRB RESUBMITTAL 002

NOT FOR CONSTRUCTION

MMH NO.: 2886300-210801.01
 DATE: JULY 01, 2022
 DESIGNED BY: ARG
 DRAWN BY: KJM
 CHECKED BY: ARG
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 ELECTRICAL
 PHOTOMETRICS
 SITE PLAN DRB -
 HORIZONTAL
 LIGHTING

SHEET NO.:

51.1

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gotham | IN C I T O TYPE: D1, D2
 2" High Center Beam Round Vandal/Tamper Resistant Downlight

*Dimensions in inches (centimeters)

Aperture: 2-1/4" (5.7) Ceiling Opening: 2-5/8" (6.7) self-flanged
 Overlap Trim: 3" (7.6) 2-3/4" (7) flangeless

RECESSED APPLICATION - MINIMUM CLEARANCE REQUIREMENTS

STRUCTURAL REINFORCEMENT PAN

1000 Lumen and Below Install-from-Below Construction

1500 and 2000 Lumen or High Ambient Option Install-from-Below Construction

IC / AIRlight HOUSING / CHICAGO PLENUM CONSTRUCTION

347V TRANSFORMER

IC202R page 5 of 7

gotham | IN C I T O TYPE: D1, D2
 2" High Center Beam Round Vandal/Tamper Resistant Downlight

Optical and Trim Assembly
 Fully serviceable and upgradable lensed LED light engine suitable for field maintenance or service from above or below the ceiling. Superior 100% Virgin-silicone refractive optic, enables maximum dimensional stability and optical transmission with no discoloration over life. Field interchangeable optics.

Electrical
 The luminaire shall operate from a 50 or 60 Hz a3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output. The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output. Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Controls
 Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Dimming
 The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 - 1.0% of rated lumen output with a smooth shut off function to step to 0%. Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction
 Light engine and driver are accessible from below ceiling. Several additional mounting options available including a structural reinforcement pan, Chicago plenum, and Type IC. Anodized extruded aluminum wiring compartment with hinged access. With two 1/2" trade-sized knockouts rated for 90°C. Accommodates between 3/8" to 2-3/4" thick ceilings.

Listings
 Fixtures are UL Certified to meet US and Canadian Standards. All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling, ENERGY STAR® Certified product. IC rated with ICAT option. Fixtures with ICAT option are compatible with spray foam insulation with an R-value of 4.3 per inch or less. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energy.gov/esip for specific configurations listed.

Photometrics
 LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours. Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

Warranty
 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/customer-support/terms-and-conditions

Note:
 Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Capable Luminaire
 This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

*To learn more about A+, visit www.acuitybrands.com/a-plus.
 *See ordering tree for details

IC202R page 6 of 7

gotham | IN C I T O TYPE: D1, D2
 Multiple Layers of Light

Luminaire Type: D1, D2
 Catalog Number:

High Center Beam Round Vandal/Tamper Resistant Downlight 2"

Feature Set

- Eleven optimized distribution patterns allow designers to achieve tailored objectives
- Field interchangeable optic
- Driver and LED light engine fully serviceable from below ceiling
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- IP66 rated room-side, fixtures are wet location, covered ceiling
- ENERGY STAR® Certified product
- IK10 impact resistant construction with 1/4" polycarbonate lens
- Tamper resistant design
- Ultra-shallow profile
- Can be paired with complementary recessed adjustable vandal & tamper resistant luminaires. Available with painted or plated finishes

Distribution

Superior Performance

| Nominal lumens | 250 | 500 | 750 | 1000 | 1500 | 2000 |
|----------------|-----|-----|-----|------|------|------|
| Delivered | 150 | 408 | 626 | 837 | 1285 | 1623 |
| Wattage | 3.1 | 3.6 | 4.6 | 5.9 | 9.7 | 12.4 |
| Efficiency | 48 | 71 | 72 | 72 | 65 | 57 |

*Based on 3000M IESNA

Coordinated Apertures | Multiple Layers of Light

Core
 Downlight, Adjustable, Open Network, Lensed Network, Cylinder, Profile, Bowl, Apertic

Healthcare
 MRI, Surgical Suite, Patient Room

Special Applications
 Dynamic, Food Service, Vandal/Tamper, Clean Room, Shower, Steam Room

IC202R page 1 of 7

BLADE BLD TYPE: N1
 Vandal Resistant BLD LED

WALL MOUNT / MULLION MOUNT LED

Features: N1, Date, Job Name, Approved By, Catalog Number

SPECIFICATIONS

Description
 The Blade BLD combines a sleek, patent pending design shaped with high performance, full cut off optics to achieve unobtrusive illumination of a space or path of egress. When mounted over a doorway or mullion, the fixture is perceived as an element of the building structure, and, additionally, provides water protection in the form of a drip cap over the entranceway. Multiple lengths are available to match a given door opening and our quick-mount system facilitates installation and maintenance.

Housing
 Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.

Wall Mount
 Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.

Lens Frame
 Marine grade heat treated extruded aluminum. Secured to fixture (4) captive stainless steel TORX® head screws.

Lens
 Extruded UV stabilized opal polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with die cast aluminum clamps and stainless steel TORX® head screws.

End Plate
 Die-cast marine grade aluminum. Chemically primed and finished with robotically applied polyester powder coat.

Drivers
 Dimming to 1%, 10% or Programmable Lumen Output driver options. Non-Dimming Driver is also available.

LED
 Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L70 projected life of over 130,000 hours at 50°C.

Gaskets
 Closed cell self-adhesive neoprene to provide watertight seal between fixture and mounting surface.

UL Listing
 U.L., C.U.L. Wet Location Listing standard.

Buy American
 Luminaire LED, LLC products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT.

Warranty
 Lifetime warranty, Luminaire LED incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80.

Note
 Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

| | A | B | C |
|-------|-------|------|------|
| BLD12 | 20.0" | 5.6" | 2.4" |
| BLD24 | 30.8" | 5.6" | 2.4" |
| BLD36 | 41.6" | 5.6" | 2.4" |
| BLD48 | 52.4" | 5.6" | 2.4" |
| BLD72 | 74.0" | 5.6" | 2.4" |

Luminaire LED - BLADE-BLD-LED Rev. 10/15/20 Page 1 of 3

gotham | IN C I T O TYPE: D1, D2
 2" High Center Beam Round Vandal/Tamper Resistant Downlight

Lumen Output Multiplier

| CRI | CCT | Multiplier |
|-----|-------|------------|
| 80 | 2700K | 0.950 |
| | 3000K | 0.960 |
| | 3500K | 1.000 |
| 82 | 4000K | 1.077 |
| | 5000K | 1.094 |
| | 5700K | 0.946 |
| 90 | 3000K | 0.847 |
| | 3500K | 0.874 |
| | 4000K | 0.946 |

Control Provided

| Nomenclature | Description | NLT | NLTER | NLT&R | NLT&R2 | NLT&R22 |
|--------------|-------------------------|------------|------------|--------------|--------------|-----------------|
| USZ | 0-10V driver dimm to 1% | PP16 0 EFF | PP16 0 EFF | PP16 0 2W G2 | PP16 0 2W G2 | PP16 0 2W ER G2 |

Marked Spacing in Inches 25°C Ambient

| Lumen Package | Fixture Center to Center Beam | Fixture Center to Building Member Min | Space Above Fixture |
|---------------|-------------------------------|---------------------------------------|---------------------|
| 200 | 18 | 9 | 3 |
| 1500 (HAI) | 18 | 9 | 2 |

IC202R page 4 of 7

gotham | IN C I T O TYPE: D1, D2
 2" High Center Beam Round Vandal/Tamper Resistant Downlight

Luminaire Type: D1, D2
 Catalog Number:

EXAMPLE: IC202R 35/10 50L 2000 150VLT USZ DWING

| Series | Color Temperature | Lumens | Lensing | Beam | Voltage |
|--|-------------------|----------------|---------------------|---------------------|-----------|
| IC202R High Center Beam Round Vandal/Tamper Resistant Downlight | 15V 1500K | 87 750 lumens | 50L Light loss lens | 110° 15° beam angle | 120V 120W |
| | 15V 3000K | 87 750 lumens | SMD Clean | 200 30° beam angle | 120V 120W |
| | 15V 3500K | 87 750 lumens | SMD Clean | 260 25° beam angle | 277 277V |
| | 15V 4000K | 18 1500 lumens | SMD Clean | 300 30° beam angle | 277 277V |
| | 15V 5000K | 15 1500 lumens | SMD Clean | 350 35° beam angle | 277 277V |

Driver

| Driver | Control Interface ^a | Options | Architectural Colors |
|--|--|---|--|
| USZ Universal dimming to 1% (0-10V), IC202R 150V or 277V | (blank) nLight® dimming pack, nLight® dimming pack for fixtures on emergency circuit | SDCA ^b High CRI (90+) RCP ^c Structural reinforcement pan RCP ^c nLight® lighting construction Chicago Plenum RCP ^c High Ambient (82°C) nLight Lumen Compensation | Powder Paint DDB Glass Dark Bronze DDB Glass Dark Bronze DDB Glass Medium Bronze DDB Glass Natural Aluminum Indefinite White Plating PFW Powder SCR Satin Chrome DRB Oil-rubbed Bronze |

ACCESSORIES — order as separate catalog numbers (shipped separately)

IC202PIC XDD Additional optics for field installation. Replace "XX" with beam angle.
IC202PIC KIT Kit including a field interchangeable optic for each of the 13 preset beam distribution patterns
SDT 347V/277V 750W 347V/277V, 750W step down transformer. Must be remote mounted.

ORDERING NOTES

- 5000K CCT not available with 90CRI.
- Refer to Tech 2.62 for compatible dimmers.
- Not available with Control Interfaces (nLight). Not compatible with spray foam with 1000LM, 1500LM, or 2000LM options.
- Field installed. Access required to location of remote mounted device.
- ER for use with generator supply power. Will require an emergency hot lead and normal hot feed.
- NCA is required for T-rated ceilings or where code requires.
- Not available with 1500lm or 2000lm.
- Not available with 2000lm.
- Requires NLT or NLTER.

IC202R page 2 of 7

JET AVIATION PROJECT CACTUS
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED 12/20/2021 DRB SUBMITTAL
 03.28.2022 DRB RESUBMITTAL

MH NO.: 2886300-210801.01
 DATE: 03.28.2022
 DESIGNED BY: ARG
 DRAWN BY: KJM
 CHECKED BY: ARG
 NOT TO SCALE DRAWINGS
 SHEET CONTENTS
MANUFACTURER CUTSHEETS

SHEET NO.:
52.1

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TYPE: OB1, OB2

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARD, SERIES 1200

PRODUCT DATA

HELIO M40/K8 & M50/K12 Security Bollards offer robust protection for public spaces of all kinds. Simply elegant in stainless steel, features 11.5" in diameter base an embedded security core and are available in illuminated and non-illuminated designs. Illuminated bollards feature a frosted acrylic lens, 180° or 360° light distribution, and Cree® LEDs in 3000K warm white and 4000K neutral white. The bollards provide downward-facing light to help minimize light pollution and glare. For expanded performance, the Helio family also includes Helio M30/K4 Security Bollards 9.25" in diameter (Series 900) in illuminated and non-illuminated designs, and Helio Bollards 6" in diameter (Series 600) in illuminated, non-illuminated and security core variations.

MATERIAL & CONSTRUCTION DETAILS

| CONFIGURATIONS | LED LAMPS & DRIVER | INSTALLATION |
|--|--|--|
| <ul style="list-style-type: none"> Series 1200 Bollard dimensions are 40" high x 11.5" diameter. Illuminated security bollards are available with 180° and 360° light distribution options. Non-illuminated versions are also available. Series 1200 Helio Bollards without security cores are also available (illuminated or non-illuminated). | <ul style="list-style-type: none"> Custom LED light engine with Cree® LEDs. 3000K warm white and 4000K neutral white color temperatures. Less than 5% upward lumen output. LED driver input voltage is 120-277VAC, -30°C minimum starting temperature. Driver has reverse phase, forward phase, and 0-10V dimming capabilities. LED driver certifications include: IP64 enclosure and Class 2 rated output (E8, E750). | <ul style="list-style-type: none"> Security bollards have an embedded security core. Non-security bollards are surface mounted with J bolts. Installation of a surge protector as part of each unit's wiring is recommended. Stainless steel mounting hardware sold separately. Templates are available upon request. Refer to installation instructions and foundation details for security rating requirements. |
| MATERIALS & FINISHES | MAINTENANCE | |
| <ul style="list-style-type: none"> Illuminated bollards have a tubular stainless steel column, frosted acrylic lens, and a stainless steel heat cap. Non-illuminated bollards are tubular stainless steel with welded stainless steel cap. Standard stainless steel finish is Satin. For optional powdercoat colors see the Forms+Surfaces (FSD) Custom Bld. colors are available for an upcharge. | <ul style="list-style-type: none"> Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners. | |

M40-P1/K8 AND M50-P1/K12 SECURITY CORE

Site security is a major concern in today's unpredictable world. Public and private buildings, government facilities, campuses and public parks are all susceptible to accidental, as well as deliberate, vehicle infringement. Design professionals, city planners, facilities managers and engineers must now be increasingly sensitive to the safety and security requirements of public and private spaces. Security bollards placed at ingress points are an excellent way to guard against vehicle infringement while allowing pedestrian access.

Most security bollards have taken the form of generic pipes and cylinders that offered little in the way of design or lighting functionality. Forms+Surfaces' Helio M40-P1/K8 and M50-P1/K12 Security Bollards bring pre-engineered and fully-tested security cores to our Helio line to offer beautiful and efficient lighting bollards that also meet the stringent high-impact crash requirements normally attained only with unattractive pipe barriers.

Forms+Surfaces' security bollards have been tested using a Finite Element Analysis (FEA) by a professional engineering consultant. FEA is a software-based tool commonly used in the automotive industry and used extensively for crash test simulations. All of our bollards with the security solution option were tested and passed a very demanding set of impact criteria. Tests were performed using a bollard set in permanent concrete footings and struck by a vehicle at a 90-degree impact. The impact simulation found the bollards to be successful in stopping a 15,000 lb. vehicle traveling at a minimum test velocity of 40 (M40) or 50 (M50) mph in less than 3.3 feet (1 meter).

Our permanently embedded security cores are available for both illuminated and non-illuminated bollards. Please contact us to discuss design and installation considerations for Helio bollards with security cores.

T 800-451-0410 | www.forms-surfaces.com

FORMS+SURFACES

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page 1 of 4 | Rev. 11-11-21

TYPE: N1, N2, N3

BLADE BLD

Vandal Resistant
BLD LED

PHOTOMETRIC DATA

MODEL: BLD 12IN 5W 40K
Delivered Lumens: 475 Lumens

IES FILE: BLD 12IN 5W 40K
Total Power: 7.0W
Testing was performed in accordance with IES LM-79-09
Bug Rating: B00601

| Zone | Lumens | % Luminaire |
|----------|--------|-------------|
| 0 - 30 | 69 | 14.5 |
| 0 - 40 | 149 | 31.1 |
| 0 - 60 | 359 | 75.5 |
| 60 - 90 | 117 | 24.5 |
| 0 - 90 | 476 | 100.0 |
| 90 - 180 | 0 | 0.0 |
| 0 - 180 | 476 | 100.0 |

MODEL: BLD 36IN 15W 40K
Delivered Lumens: 1527 Lumens

IES FILE: BLD 36IN 15W 40K
Total Power: 14.7W
Testing was performed in accordance with IES LM-79-09
Bug Rating: B00601

| Zone | Lumens | % Luminaire |
|----------|--------|-------------|
| 0 - 30 | 377 | 124.5 |
| 0 - 40 | 640 | 41.6 |
| 0 - 60 | 1219 | 79.3 |
| 60 - 90 | 317 | 20.7 |
| 0 - 90 | 1537 | 100.0 |
| 90 - 180 | 0 | 0.0 |
| 0 - 180 | 1537 | 100.0 |

MODEL: BLD 36IN 30W 40K
Delivered Lumens: 3009 Lumens

IES FILE: BLD 36IN 30W 40K
Total Power: 29.6W
Testing was performed in accordance with IES LM-79-09
Bug Rating: B00601

| Zone | Lumens | % Luminaire |
|----------|--------|-------------|
| 0 - 30 | 739 | 24.6 |
| 0 - 40 | 1253 | 41.6 |
| 0 - 60 | 2387 | 79.3 |
| 60 - 90 | 622 | 20.7 |
| 0 - 90 | 3009 | 100.0 |
| 90 - 180 | 0 | 0.0 |
| 0 - 180 | 3009 | 100.0 |

Luminaire LED | One Lithonia Way, Corvallis, GA 30602 | 1.800.705.SERV (7376) | www.luminaireled.com
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TYPE: N1, N2, N3

BLADE BLD

Vandal Resistant
BLD LED

ORDERING INFORMATION

Example: BLD 48IN MN1 35W 27K 120 CLP WHT

| Series* | Size (Nominal)** | Drivers* | Dual Drivers | Wattage (Nominal)* | Lumens (Per PRD Only) |
|---------|--|---|---|---|---|
| BLD | Multiple Mountable Single Mountable Full Cut-Off Frosted of Egress Luminaire | 12W** MN1 Dimming to 1% MN2 Dimming to 10% 30W** N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15 N16 N17 N18 N19 N20 N21 N22 N23 N24 N25 N26 N27 N28 N29 N30 N31 N32 N33 N34 N35 N36 N37 N38 N39 N40 N41 N42 N43 N44 N45 N46 N47 N48 N49 N50 | MM1 Dimming to 1% MM2 Dimming to 10% N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15 N16 N17 N18 N19 N20 N21 N22 N23 N24 N25 N26 N27 N28 N29 N30 N31 N32 N33 N34 N35 N36 N37 N38 N39 N40 N41 N42 N43 N44 N45 N46 N47 N48 N49 N50 | 20W** 27W** 35W** 45W** 55W** 65W** 75W** 85W** 95W** 105W** 115W** 125W** 135W** 145W** 155W** 165W** 175W** 185W** 195W** 205W** 215W** 225W** 235W** 245W** 255W** 265W** 275W** 285W** 295W** 305W** 315W** 325W** 335W** 345W** 355W** 365W** 375W** 385W** 395W** 405W** 415W** 425W** 435W** 445W** 455W** 465W** 475W** 485W** 495W** 505W** 515W** 525W** 535W** 545W** 555W** 565W** 575W** 585W** 595W** 605W** 615W** 625W** 635W** 645W** 655W** 665W** 675W** 685W** 695W** 705W** 715W** 725W** 735W** 745W** 755W** 765W** 775W** 785W** 795W** 805W** 815W** 825W** 835W** 845W** 855W** 865W** 875W** 885W** 895W** 905W** 915W** 925W** 935W** 945W** 955W** 965W** 975W** 985W** 995W** 1005W** 1015W** 1025W** 1035W** 1045W** 1055W** 1065W** 1075W** 1085W** 1095W** 1105W** 1115W** 1125W** 1135W** 1145W** 1155W** 1165W** 1175W** 1185W** 1195W** 1205W** 1215W** 1225W** 1235W** 1245W** 1255W** 1265W** 1275W** 1285W** 1295W** 1305W** 1315W** 1325W** 1335W** 1345W** 1355W** 1365W** 1375W** 1385W** 1395W** 1405W** 1415W** 1425W** 1435W** 1445W** 1455W** 1465W** 1475W** 1485W** 1495W** 1505W** 1515W** 1525W** 1535W** 1545W** 1555W** 1565W** 1575W** 1585W** 1595W** 1605W** 1615W** 1625W** 1635W** 1645W** 1655W** 1665W** 1675W** 1685W** 1695W** 1705W** 1715W** 1725W** 1735W** 1745W** 1755W** 1765W** 1775W** 1785W** 1795W** 1805W** 1815W** 1825W** 1835W** 1845W** 1855W** 1865W** 1875W** 1885W** 1895W** 1905W** 1915W** 1925W** 1935W** 1945W** 1955W** 1965W** 1975W** 1985W** 1995W** 2005W** 2015W** 2025W** 2035W** 2045W** 2055W** 2065W** 2075W** 2085W** 2095W** 2105W** 2115W** 2125W** 2135W** 2145W** 2155W** 2165W** 2175W** 2185W** 2195W** 2205W** 2215W** 2225W** 2235W** 2245W** 2255W** 2265W** 2275W** 2285W** 2295W** 2305W** 2315W** 2325W** 2335W** 2345W** 2355W** 2365W** 2375W** 2385W** 2395W** 2405W** 2415W** 2425W** 2435W** 2445W** 2455W** 2465W** 2475W** 2485W** 2495W** 2505W** 2515W** 2525W** 2535W** 2545W** 2555W** 2565W** 2575W** 2585W** 2595W** 2605W** 2615W** 2625W** 2635W** 2645W** 2655W** 2665W** 2675W** 2685W** 2695W** 2705W** 2715W** 2725W** 2735W** 2745W** 2755W** 2765W** 2775W** 2785W** 2795W** 2805W** 2815W** 2825W** 2835W** 2845W** 2855W** 2865W** 2875W** 2885W** 2895W** 2905W** 2915W** 2925W** 2935W** 2945W** 2955W** 2965W** 2975W** 2985W** 2995W** 3005W** 3015W** 3025W** 3035W** 3045W** 3055W** 3065W** 3075W** 3085W** 3095W** 3105W** 3115W** 3125W** 3135W** 3145W** 3155W** 3165W** 3175W** 3185W** 3195W** 3205W** 3215W** 3225W** 3235W** 3245W** 3255W** 3265W** 3275W** 3285W** 3295W** 3305W** 3315W** 3325W** 3335W** 3345W** 3355W** 3365W** 3375W** 3385W** 3395W** 3405W** 3415W** 3425W** 3435W** 3445W** 3455W** 3465W** 3475W** 3485W** 3495W** 3505W** 3515W** 3525W** 3535W** 3545W** 3555W** 3565W** 3575W** 3585W** 3595W** 3605W | 200LM - 6300LM - Lumens available in 100LM increments 200LM/ft N1 - 500 |

Options

| Emergency* | EMERGENCY** | EMERGENCY** |
|------------|--|---|
| EMER100 | Self-contained, 90 minute emergency battery pack, 0°C (32°F) to 55°C (131°F), 1500 Lumens | EMER200** Remote mounted micro inverter that will operate a 25W maximum load for 90 min. 0°C (32°F) to 45°C (113°F) |
| EMER105T | Self-heating, self-contained, 90 minute emergency battery pack, 0°C (32°F) to 55°C (131°F) Meets CA Title 24 Standards, 1500 Lumens | EMER205** Remote inverter that will operate a maximum 125W load for 90 min. 0°C (32°F) to 45°C (113°F) |
| EMER107D | Self-contained, 90 minute emergency battery pack, 0°C (32°F) to 55°C (131°F) Meets CA Title 24 Standards, 1000 Lumens | EMER207** Remote inverter that will operate a 250W maximum load for 90 min. 0°C (32°F) to 45°C (113°F) |
| EMER105T | Self-heating, self-contained, 90 minute emergency battery pack, 0°C (32°F) to 55°C (131°F) Meets CA Title 24 Standards, 1500 Lumens | |
| EMER107D | Self-heating, self-contained, 90 minute emergency battery pack, 0°C (32°F) to 55°C (131°F) Meets CA Title 24 Standards, 1000 Lumens | |
| EMER105T | Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes | |

Options

| Knockout | Fusing | Protocols | Sensors | Hardware |
|----------|--|----------------------------|---|---|
| K02 | Optional mouse hole in both end caps for accessing 1/2" knockout | GLR** Fuse and Fuse Holder | PC1** Photovoltaic Switch PRG1** Passive Infrared Occupancy Sensor/Daylight Harvesting Protocol. Maximum Coverage: 10' radius from 8' height. PRG2** Passive Infrared Occupancy Sensor/Daylight Harvesting Protocol. Maximum Coverage: 10' radius from 8' height. 50% of LEDs constantly on and 50% sensed on/off. RCHRC required for Field Adjustable Settings | PHSC** Phillips Head instead of TORX** head |

Ordering Notes

- See Size and Wattage Chart
- Not available with EMER105, EMER107, EMER105T or EMER107D
- Not available with PRD or PRD2. Not available with PRD2
- Not available with MN1 or MN2 or MN3. Not available with MN4
- Not available with MN5 or MN6 or MN7 or MN8 or MN9 or MN10 or MN11 or MN12 or MN13 or MN14 or MN15 or MN16 or MN17 or MN18 or MN19 or MN20 or MN21 or MN22 or MN23 or MN24 or MN25 or MN26 or MN27 or MN28 or MN29 or MN30 or MN31 or MN32 or MN33 or MN34 or MN35 or MN36 or MN37 or MN38 or MN39 or MN40 or MN41 or MN42 or MN43 or MN44 or MN45 or MN46 or MN47 or MN48 or MN49 or MN50
- Not available with 12W
- Not available with 15W
- Not available with 20W
- Not available with 27W
- Not available with 35W
- Not available with 45W
- Not available with 55W
- Not available with 65W
- Not available with 75W
- Not available with 85W
- Not available with 95W
- Not available with 105W
- Not available with 115W
- Not available with 125W
- Not available with 135W
- Not available with 145W
- Not available with 155W
- Not available with 165W
- Not available with 175W
- Not available with 185W
- Not available with 195W
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- Not available with 215W
- Not available with 225W
- Not available with 235W
- Not available with 245W
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- Not available with 345W
- Not available with 355W
- Not available with 365W
- Not available with 375W
- Not available with 385W
- Not available with 395W
- Not available with 405W
- Not available with 415W
- Not available with 425W
- Not available with 435W
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- Not available with 615W
- Not available with 625W
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- Not available with 645W
- Not available with 655W
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- Not available with 725W
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- Not available with 745W
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- Not available with 1885W
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- Not available with 2995W
- Not available with 3005W
- Not available with 3015W
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- Not available with 3205W
- Not available with 3215W
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- Not available with 3335W
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- Not available with 3385W
- Not available with 3395W

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**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED
 12/20/2021 DRB SUBMITTAL
 03.28.2022 DRB RESUBMITTAL

M&H NO.: 2886300-210801.01
 DATE: 03.28.2022
 DESIGNED BY: ARG
 DRAWN BY: KJM
 CHECKED BY: ARG
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 MANUFACTURER
 CUTSHEETS

52.3

DRB CASE NO.: 52-DR-2021

TYPE: OB1, OB2

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARD, SERIES 1200

PRODUCT DATA

NOMINAL DIMENSIONS

EMBEDDED M40/K8 SECURITY CORE, ILLUMINATED

EMBEDDED M50/K12 SECURITY CORE, ILLUMINATED

FORMS+SURFACES®

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TYPE: OB1, OB2, OB3

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARDS, SERIES 1200

QUOTE/ORDER FORM

PROJECT NAME: PROJECT CACTUS DATE: _____
 JOB LOCATION: 7819 E GREENWAY ROAD SCOTTSDALE, AZ 85260 COMPANY: MEAD AND HUNT
 SPECIFIER: _____

PLEASE USE ABOVE READER OR ADDRESS ACCORD TO PUT OUT AND SAVE FORM. USING OTHER PROGRAMS COULD RESULT IN UNCHANGED DATA.

MODEL

| TYPE | MODEL | DESCRIPTION |
|------|----------------|--|
| OB1 | LBHL-1203-M40 | Helio M40/K8 Security Bollard, Series 1200, illuminated |
| OB2 | LBHL-1203-NM50 | Helio M50/K12 Security Bollard, Series 1200, illuminated |
| OB3 | LBHL-1203-NM40 | Helio M40/K8 Security Bollard, Series 1200, non-illuminated |
| OB4 | LBHL-1203-NM50 | Helio M50/K12 Security Bollard, Series 1200, non-illuminated |
| OB5 | LBHL-1203 | Helio Bollard, Series 1200, illuminated (non-security) |
| OB6 | LBHL-1203-N | Helio Bollard, Series 1200, non-illuminated (non-security) |

OPTIONS

HELIO M40/K8 SECURITY BOLLARD,

ILLUMINATED

NON-ILLUMINATED

Finish Options
 Please select one option below.

Standard Stainless Steel Finish
 Satin

Standard Texture/Gloss from Forms+Surfaces Powdercoat Chart

| | |
|--|---|
| <input type="checkbox"/> Alabaster Texture | <input type="checkbox"/> Dark Corten Texture |
| <input type="checkbox"/> Aluminum Texture | <input type="checkbox"/> Dark Grey Metallic Texture |
| <input type="checkbox"/> Argento Texture | <input type="checkbox"/> Deep Ocean Texture |
| <input type="checkbox"/> Aubergine Texture | <input type="checkbox"/> Ink Blue Texture |
| <input type="checkbox"/> Black Gloss | <input type="checkbox"/> Moss Texture |
| <input type="checkbox"/> Black Texture | <input type="checkbox"/> Silver Texture |
| <input type="checkbox"/> Bright Silver Gloss | <input type="checkbox"/> Slate Gloss |
| <input type="checkbox"/> Clay Texture | <input type="checkbox"/> Slate Texture |
| <input type="checkbox"/> Cool Grey Texture | <input type="checkbox"/> White Texture |

Dark Bronze Metallic Texture

Custom RAL Powdercoat Color
 (please call for pricing information)
 RAL Color: _____

Color Temperature Options
 Please select one option below.

3000K OB1, OB2 4000K

FORMS+SURFACES®

page 1 of 2 | Rev. 02-25-22

TYPE: OC1, OC2

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARD, SERIES 1200

PRODUCT DATA

LED ENGINE DESCRIPTION

| LED ENGINE | LIGHT DISTRIBUTION | DESCRIPTION | LUMINAIRE LUMENS* | B.U.G. RATING | STARTING TEMPERATURE °C |
|------------|--------------------|----------------|-------------------|---------------|-------------------------|
| 3000K LED | 360° | 40W LED driver | 700 | B0-U1-G0 | -30 |
| 4000K LED | 360° | 40W LED driver | 700 | B0-U1-G0 | -30 |
| 3000K LED | 180° | 20W LED driver | 260 | B0-U1-G0 | -30 |
| 4000K LED | 180° | 20W LED driver | 260 | B0-U1-G0 | -30 |

Luminaire lumens represent the absolute photometry for the luminaire, and indicates the lumens out of the entire fixture.
 NOTE: Polar candela and isofotocandle plots can be found on the Helio M40/K8 & M50/K12 Security Bollard, Series 1200 product page on our website.

CERTIFICATION
 • ETL and c-ETL listed for wet locations

ENVIRONMENTAL CONSIDERATIONS
 • Please refer to the Helio M40/K8 & M50/K12 Security Bollard, Series 1200 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.

MODEL NUMBERS AND DESCRIPTIONS

| MODEL | DESCRIPTION |
|----------------|--|
| LBHL-1203-M40 | Helio M40/K8 Security Bollard, Series 1200, illuminated |
| LBHL-1203-M50 | Helio M50/K12 Security Bollard, Series 1200, illuminated |
| LBHL-1203-NM40 | Helio M40/K8 Security Bollard, Series 1200, non-illuminated |
| LBHL-1203-NM50 | Helio M50/K12 Security Bollard, Series 1200, non-illuminated |
| LBHL-1203 | Helio Bollard, Series 1200, illuminated (non-security) |
| LBHL-1203-N | Helio Bollard, Series 1200, non-illuminated (non-security) |

PRODUCT OPTIONS
 The following options are available for an upcharge

| | |
|---|-----------------------------|
| Add powdercoat color from Forms+Surfaces Powdercoat Chart | Custom RAL powdercoat color |
| Add stainless steel mounting hardware | |

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, finish, color, temperature, and light distribution option. 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 4 of 4 | Rev. 11-11-21

TYPE: OB1, OB2

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARD, SERIES 1200

PRODUCT DATA

NOMINAL DIMENSIONS, CONTINUED

SURFACE MOUNT WITH J-BOLTS, ILLUMINATED

SURFACE MOUNT WITH J-BOLTS, NON-ILLUMINATED

FORMS+SURFACES®

page 3 of 4 | Rev. 11-11-21

TYPE: OB1, OB2, OB3

HELIO™ M40/K8 & M50/K12 SECURITY BOLLARDS, SERIES 1200

QUOTE/ORDER FORM

Light Distribution
 Please select one option below. (for illuminated bollards only)

180° OB2 360° OB1

Surface Mount Hardware Options (non-security)
 Add F+S stainless steel mounting hardware kit*
 Do not include F+S mounting hardware kit
 *Hardware is required for surface mount bollards. Mounting kits can be purchased from F+S for an additional charge.

HELIO M40/K8 SECURITY BOLLARD,

ILLUMINATED

NON-ILLUMINATED

TYPE: OB1, OB2 TYPE: OB3

NOTE: SEE OPTION ONE ON PAGE ONE FOR FINISH

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page 2 of 2 | Rev. 02-25-22

TYPE: OC1, OC2

| | | | |
|-------------|--------------------|-----------|----------|
| Project | SDL Project Cactus | Catalog # | OC1, OC2 |
| Prepared by | | Notes | Date |

**McGraw-Edison
 GLEON Galleon**

Area / Site Luminaire

Typical Applications
 Outdoor • Parking Lots • Walkways • Roadways • Building Areas

Product Certifications
 ETL, DLC, P66, etc.

Product Features
 WaveLinX, Enlighted

Connected Systems
 WaveLinX, Enlighted

Quick Facts
 • Lumen packages range from 4,200 - 80,800 (34W - 640W)
 • Efficacy up to 156 lumens per watt

Dimensional Details

FORMS+SURFACES®

page 1 of 1
 August 3, 2021 11:20 AM

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LLI ARCHITECTURAL LIGHTING TYPE: OG

ICON 2 SURFACE EXTRUSION + LED TAPELIGHT

LUMEN OUTPUT MULTIPLIERS (FOR ESTIMATING DELIVERED LUMENS)

| COLOR TEMPERATURE | LUMEN MULTIPLIER | IP RATING | LUMEN MULTIPLIER |
|-------------------|------------------|-----------|------------------|
| 2200K | 0.8 | IP20 | 1 |
| 2700K | 0.9 | IP65 | 0.9 |
| 3000K | 1 | IP67 | 0.9 |
| 3500K | 1.1 | IP68 | 0.9 |
| 4200K | 1.2 | | |
| 5200K | 1.25 | | |

EXAMPLE: Extrusion with D8.BW, IP65, 5200K
 (Output @ 30K) x (Color temperature lumen multiplier) x (IP rating lumen multiplier) = Estimated delivered lm/ft
 $326 \text{ lm/ft} \times 1.25 \times 0.9 = 367 \text{ lm/ft}$

PHOTOMETRY

| POWER (W) | BEAM SPREAD | POLAR CHART | CONICAL CHART |
|-----------|-------------|-------------|---------------|
| 6.6W | 104° | | |
| 408 lm/ft | | | |
| 3000K | | | |
| 104° | | | |
| 62 lm/W | | | |

LLI ARCHITECTURAL LIGHTING (847) 412-4880 QUOTES@LLIALIGHTING.COM PAGE 4
 LLI ARCHITECTURAL LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE REV 21.12

LLI ARCHITECTURAL LIGHTING TYPE: OG

ICON 2 SURFACE EXTRUSION + LED TAPELIGHT

PROJECT: _____
 SKU: _____
 QUANTITY: _____ DATE: _____

5 YEAR WARRANTY

SPECIFICATIONS

FINISH: Silver Anodized
 LENS: Frosted
 WATTAGE: 7.9W/ft to 15.2W/ft
 IP RATING: IP20 dry, IP65 wet, IP68 wet
 CCT / COLOR: 2200K - 5200K; RGB; RGBW;
 BEAM SPREAD: 104° typical with frosted lens
 INPUT VOLTAGE: 24VDC
 LENGTH: Made to order. Actual lengths vary by LED tapelight cutpoints.
 OUTPUT: 326 to 520 lm/ft
 LEDS: Single binned LEDs +/- 30-70 CCT, MacAdam 3 SDCM
 MATERIAL: Extrusion - Anodized aluminum; Lens - Polycarbonate
 MOUNTING: Mounting clips recommended
 POWER SUPPLY: Requires a 24V power supply - see page 5
 WARRANTY: IP20 - 5 year limited, IP65/68 - 3 year limited

FEATURES & RECOMMENDED APPLICATIONS

Modular extrusion with a frosted lens that provides a wide, dot-free line of light. Corners available for making turns in a variety of applications, such as general lighting, accents, displays, shelving, and signage.

PRODUCT: LLI-IC2-SF-DH13.2W-30K-24V-96IN

LLI ARCHITECTURAL LIGHTING (847) 412-4880 QUOTES@LLIALIGHTING.COM PAGE 1
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LLI ARCHITECTURAL LIGHTING TYPE: OD1, OD2

McGraw-Edison GLEON Galleon

Supplemental Performance Guide

| Nominal Power (Watts) | Supplemental Performance Guide | | | | | | | | | |
|--------------------------|--------------------------------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Number of Light Sources | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Input Current @ 120V (A) | 0.30 | 0.36 | 0.42 | 0.48 | 0.54 | 0.60 | 0.66 | 0.72 | 0.78 | 0.84 |
| Input Current @ 208V (A) | 0.17 | 0.24 | 0.29 | 0.35 | 0.41 | 0.47 | 0.53 | 0.59 | 0.65 | 0.71 |
| Input Current @ 240V (A) | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.30 | 0.33 | 0.36 | 0.39 | 0.42 |
| Input Current @ 277V (A) | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.30 | 0.33 | 0.36 | 0.39 |
| Input Current @ 347V (A) | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.30 | 0.33 | 0.36 |
| Input Current @ 480V (A) | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.30 | 0.33 |

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 LLI ARCHITECTURAL LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE REV 21.12

auroraLight TYPE: OF1
 CAT. # LMWL

LMWL MICRO WELL

The Award-Winning LMWL Micro Well light is a high performance LED luminaire. It is packed with features yet remains small in size. The light source can be raised or lowered up to one inch, tilted 20 degrees side to side, and rotated a full 360 degrees to provide superior aiming. New for 2021, it is now featuring our SDLA "small diameter, large aperture" bezel. Same amount of light with a smaller footprint.

See LWL1, LWL2-F, LWL3-F, LWL3-SQ-F, LWL4 and LWL5 for additional size and wattage options.

Features include:

- 3 Watts up to 192 lumens
- Cree XLAMPs® (XP-L) LED
- 2700K (80 & 90 CRI) or 3000K (80 CRI)
- Thermally Integrated® and Field Serviceable LED Module
- IC Rated for Interior, Exterior and Wet Location Use
- 12V Integral Constant Current Driver (Remote 12V AC/DC Transformer Required)
- Dimmable to <10% (TRIAC/Forward Phase) via Compatible Transformer
- Compatible w/ 12V AC/DC MLV or ELV Transformers
- Drive-over Rated up to 6,000 lbs. When Installed w/ Stabilizer Accessory
- Solid Brass Construction
- Now Featuring SDLA (Small Diameter, Large Aperture Bezel)

WINNER OF THE INNOVATION AWARD

COPPER CORE TECHNOLOGY

CARLSBAD, CA | PHONE 877 842 1179 | FAX 760 931 2916 | E-MAIL SALES@AURORALIGHT.COM | AURORALIGHT.COM
 In a continuing product improvement program, AuroraLight reserves the right to modify product specifications without notification. © 2020 AuroraLight, Inc. 802-V-6 (2/2020)

LLI ARCHITECTURAL LIGHTING TYPE: OG

ICON 2 SURFACE EXTRUSION + LED TAPELIGHT

ORDERING GUIDE

PROFILE: LLI-IC2-SF-DH13.2W-30K-24V-96IN

1. FINISH & LENS

2. LED TAPELIGHT OPTIONS

3. LENGTH

LLI ARCHITECTURAL LIGHTING (847) 412-4880 QUOTES@LLIALIGHTING.COM PAGE 2
 LLI ARCHITECTURAL LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE REV 21.12

LLI ARCHITECTURAL LIGHTING TYPE: OD1, OD2 - POLE

Aluminum Poles

RSR ROUND STRAIGHT ALUMINUM

DESIGN CONSIDERATIONS

ORDERING INFORMATION

| Product Family | Shaft Size (Inches) | Wall Thickness (Inches) | Mounting Height (Feet) | Base Type | Finish | Mounting Type | Number of Poles | Options (Add as Suffix) |
|-----------------------------|---------------------|-------------------------|------------------------|-----------|----------|---------------|-----------------|--|
| RSR-Round Straight Aluminum | 1.5" - 3.0" | 0.063" - 0.125" | 10' - 120' | Standard | Aluminum | Standard | 1 - 10 | A-12" Tapped Hub B-36" Tapped Hub C-Convenience Outlet D-Base Cover for "K" Base E-OD/OC Convenience Outlet F-Ground Lug G-Additional Ground Lug H-Vibration Damper |

APPROVED PER SECTION 7 OF LEASE AGREEMENT 2018-193-COS

DATE: _____ INITIALS: _____

JET AVIATION PROJECT CACTUS
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260

ISSUED 12/20/2021 DRB SUBMITTAL
 03.28.2022 DRB RESUBMITTAL

MH NO.: 2886300-210801.01
 DATE: 03.28.2022
 DESIGNED BY: ARG
 DRAWN BY: KJM
 CHECKED BY: ARG
 DO NOT SCALE DRAWINGS

SHEET CONTENTS MANUFACTURER CUTSHEETS

SHEET NO.: 52.6

TYPE: M30/K4 BOLLARD

HELIO™ M30/K4 SECURITY BOLLARD, SERIES 900

INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL HELIO M30/K4 SERIES 900 BOLLARDS

4

Install trim ring

- Apply a thin bead of waterproof clear silicone to the top of the flange on the security core. Take care not to over apply.
- Slide trim ring over security core and drop down on trim ring to ensure it is fully seated on the flange.

5

Position bollard over security core

- Inspect security core for moisture. If moisture is present allow to dry before installing bollard. Do not install bollard unless security core is completely dry.
- Slide bollard over security core so that mounting holes in bollard body align with tapped holes in security core.

6

Attach bollard to security core

- Thread 5/16" - 18x1" tamper-resistant flat head screws (c) into each hole.
- Use provided T40 Torx bit for tamper-resistant screws to tighten all screws until snug.

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TYPE: M30/K4 BOLLARD

HELIO™ SECURITY BOLLARDS

SECURITY GUIDE

| | 600 SERIES with security core | 900 SERIES - M30/K4 | 1200 SERIES - M40/K8 | 1200 SERIES - M50/K12 |
|---|--|--|--|--|
| Bollard Construction | Stainless steel tube and head cap with Satin or powdercoat finish | Stainless steel tube and head cap with Satin or powdercoat finish | Stainless steel tube and head cap with Satin or powdercoat finish | Stainless steel tube and head cap with Satin or powdercoat finish |
| Dimensions | H: 40"; 6" Dia. | H: 40"; 9.25" Dia. | H: 40"; 11.5" Dia. | H: 40"; 11.5" Dia. |
| Embedded Security Core: In-ground depth | 24" | 36" | 36" | 42" |
| Embedded Security Core: Internal to bollard | 24" | 36" | 36" | 36" |
| Installation: Concrete Footer and Foundation | Minimum concrete footer (single bollard): 18" x 18" Wide x 6" Deep | Minimum concrete footer (single bollard): 56" x 56" Wide x 60" Deep Refer to foundation detail drawings for specifications required to support security rating | Minimum concrete footer (single bollard): 60" x 60" Wide x 60" Deep Refer to foundation detail drawings for specifications required to support security rating | Minimum concrete footer (single bollard): 72" x 72" Wide x 60" Deep Refer to foundation detail drawings for specifications required to support security rating |
| Spacing | To be determined by customer or installer | 40" minimum - 60" maximum center-to-center to support security rating | 40" minimum - 60" maximum center-to-center to support security rating | 40" minimum - 60" maximum center-to-center to support security rating |
| Security Rating* | 600 Series (2) bollards successful in stopping a 5,500 lb. vehicle traveling at a minimum test velocity of 40 mph in less than 3.3 feet (1 meter) | M30/K4-P1 bollards successful in stopping a 15,000 lb. vehicle traveling at a minimum test velocity of 30 mph in less than 3.3 feet (1 meter) | M40/K8 bollards successful in stopping a 15,000 lb. vehicle traveling at a minimum test velocity of 40 mph in less than 3.3 feet (1 meter) | M50/K12 bollards successful in stopping a 15,000 lb. vehicle traveling at a minimum test velocity of 50 mph in less than 3.3 feet (1 meter) |
| Applications | Low threat: - Designed to stop passenger cars and direct traffic. - Typical applications: store fronts, pedestrian areas | Moderate threat: - For use in areas that may allow vehicles to pick up some speed - Typical applications: high value properties and large gathering areas | Greater threat: - For use in areas that may allow vehicles to pick up more speed - Typical applications: high value properties and large gathering areas | Greater threat: - For use in areas that may allow vehicles to pick up higher speed - Typical applications: federal buildings and high value properties |
| Options | Non-illuminated versions are available; straight stainless pole is standard; detailed design is also an option Non-security core versions in illuminated and non-illuminated configurations are also available 180° and 360° light distribution options are available for all illuminated bollards | Non-illuminated versions are available; straight stainless pole is standard; detailed design is also an option Non-security core versions in illuminated and non-illuminated configurations are also available 180° and 360° light distribution options are available for all illuminated bollards | Non-illuminated versions are available; straight stainless pole is standard; detailed design is also an option Non-security core versions in illuminated and non-illuminated configurations are also available 180° and 360° light distribution options are available for all illuminated bollards | Non-illuminated versions are available; straight stainless pole is standard; detailed design is also an option Non-security core versions in illuminated and non-illuminated configurations are also available 180° and 360° light distribution options are available for all illuminated bollards |

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TYPE: OF1

auroralight™

LMWL MICRO WELL

ORDERING GUIDE: LMWL L (LED) MWL (MICRO WELL LIGHT)

QUICK SPEC SKU: LMWL-W-27-H-JBA-NAT

FACEPLATE

[B1] Brass
[G] Brass Grill

OPTIC

[R1] 15° Narrow
[R2] 25° Medium
[R3] 40° Wide
[R4] 60° Wide Flood
[A] All Optics Kit

LED COLOR

[27] 2700K, 40 CRI
[27M] 2700K, MICRO
[30] 3000K, 80 CRI

NOTE: For other CCT and CRI options, contact factory

ACCESSORIES

[L] Linear Spread
[P] Prismatic Lens
[M] Micro Prismatic
[F] Front (Diffusion)
[LB] Linear Baffle (AR required if paired with second accessory)

MOUNT
 [DIA] 1" Dia. 3-Post Assembly for Aluminum (Black Plate and 2) 1/2" Rear Knockouts
 [CMA] Conical Hub, Aluminum w/PVC
 [CMB] Conical Hub, Brass w/PVC

MOUNT ACCESSORIES
 [STAR] Stainless Accessory (Rear Not Included)

FINISH
 [NAT] Natural
 [BLP] Black Living Plate
 [BLP-XD] BLP Extra Dark
 [PM] Premium SSB
 [ND] Non-SSB
 [PVD] PVD Color (Contact Factory for Color Options)

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TYPE: M30/K4 BOLLARD

HELIO™ M30/K4 SECURITY BOLLARD, SERIES 900

INSTALLATION INSTRUCTIONS

MATERIALS INCLUDED

TOOLS NEEDED

STEP BY STEP FOR ALL HELIO M30/K4 SERIES 900 BOLLARDS

1

Create space for foundation

- A sufficient foundation size depends on soil, frost, and other conditions to be determined by the installer. A minimum of a 56" x 56" wide x 60" deep footer is recommended for a single bollard.

2

Prepare foundation and position security core

- Refer to foundation detail drawings for specifications required to support M30/K4 security rating.
- Position security core in desired final location and prepare rebar per foundation drawings.
- The bottom of the base plate should be level with the ground surface.
NOTE: The security core also serves as a conduit path.

3

Pour concrete foundation

- Mix and pour concrete according to concrete manufacturer's instructions.
- As soon as concrete is poured, verify levelness.
- Allow concrete to cure completely according to concrete manufacturer's instructions before removing any temporary supports or installing fixture.
NOTE: Security core will need to be free of moisture prior to fixture installation.

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TYPE: OF1

auroralight™

LMWL MICRO WELL

PHOTOMETRIC OVERVIEW
 Information based on 3000K. To download more in-depth IES photometric data, visit auroralight.com/product/lmw-micro-well/

| 3000K 15° (NARROW) 163.6 LUMENS • CBCP 183 AURORALIGHT LMWL-BR-N-30 | | | 3000K 25° (MEDIUM) 192.0 LUMENS • CBCP 921 AURORALIGHT LMWL-BR-M-30 | | |
|---|-------------|------------|---|-------------|------------|
| 30 FT | 2.01 | 748 | 30 FT | 3.02 | 91.9 |
| 26 FT | 2.68 | 6.48 | 26 FT | 1.36 | 10.3 |
| 22 FT | 3.75 | 5.48 | 22 FT | 1.90 | 8.69 |
| 18 FT | 5.60 | 4.49 | 18 FT | 2.84 | 7.11 |
| 14 FT | 9.25 | 3.49 | 14 FT | 4.70 | 5.53 |
| 10 FT | 18.1 | 2.49 | 10 FT | 9.21 | 3.95 |
| 6 FT | 50.4 | 1.50 | 6 FT | 25.6 | 2.37 |
| Distance From Fixture | Footcandles | Beam Width | Distance From Fixture | Footcandles | Beam Width |

| 3000K 40° (WIDE) 192.3 LUMENS • CBCP 471 AURORALIGHT LMWL-BR-W-30 | | | 3000K 60° (WIDE FLOOD) 134.7 LUMENS • CBCP 183 AURORALIGHT LMWL-BR-WF-30 | | |
|---|-------------|------------|--|-------------|------------|
| 30 FT | 0.492 | 20.5 | 30 FT | 0.163 | 311 |
| 26 FT | 0.656 | 177 | 26 FT | 0.218 | 270 |
| 22 FT | 0.916 | 15.0 | 22 FT | 0.304 | 22.8 |
| 18 FT | 1.37 | 12.3 | 18 FT | 0.454 | 18.7 |
| 14 FT | 2.26 | 9.56 | 14 FT | 0.750 | 14.5 |
| 10 FT | 4.43 | 6.83 | 10 FT | 1.47 | 10.4 |
| 6 FT | 12.3 | 4.10 | 6 FT | 4.09 | 6.23 |
| Distance From Fixture | Footcandles | Beam Width | Distance From Fixture | Footcandles | Beam Width |

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**JET AVIATION
 PROJECT CACTUS**
 7819 E GREENWAY ROAD
 SCOTTSDALE, AZ 85260
 ISSUED
 12/20/2021 DRB SUBMITTAL
 03.28.2022 DRB RESUBMITTAL

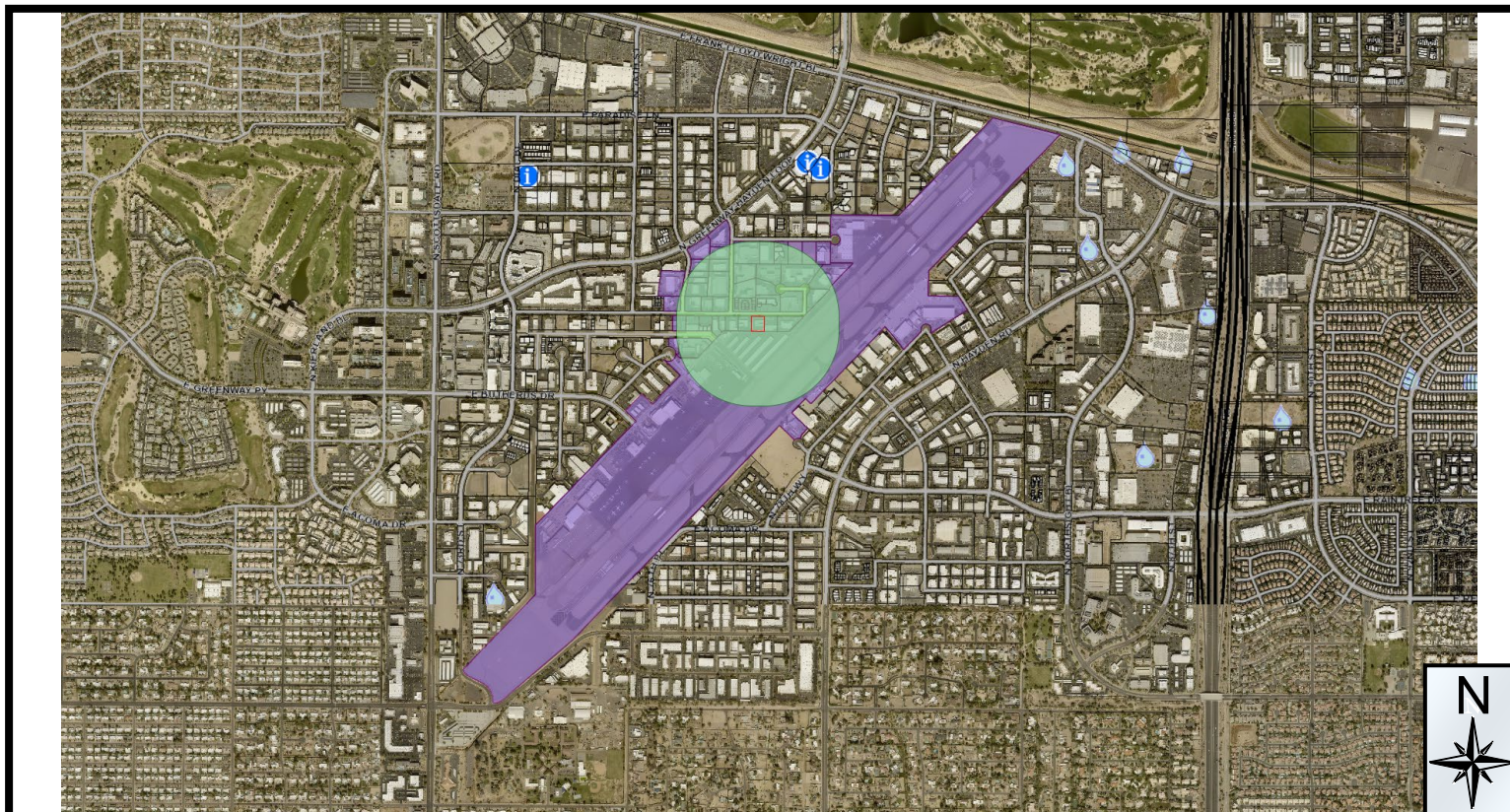
MH# NO.: 2886300-210801,01
 DATE: 03.28.2022
 DESIGNED BY: ARG
 DRAWN BY: KJM
 CHECKED BY: ARG
 DO NOT SCALE DRAWINGS
 SHEET CONTENTS
**MANUFACTURER
 CUTSHEETS**



Zoning Aerial

52-DR-2021

City Notifications – Mailing List Selection Map Project Cactus


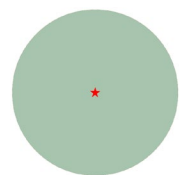


Additional Notifications:

- Interested Parties List
- Adjacent HOA's
- P&Z E-Newsletter
- Facebook
- Nextdoor.com
- City Website-Projects in the hearing process

Pulled Labels
January 10, 2021

Map Legend:

-  Site Boundary
-  Properties within 1,000-foot

Postcards: 125

52-DR-2021

From: [Posler, Kathryn](#)
To: [Ruenger, Jeffrey](#); drumolo@cox.net
Cc: [Ferrara, Sarah](#); [Mascaro, Gary](#)
Subject: RE: SDL Greenway project. 52-Dr-2021
Date: Monday, January 24, 2022 9:48:00 AM

Thanks Jeff!

Hi David – I have copied Sarah Ferrara and Gary Mascaro, with the aviation department, to respond and help clarify any questions. Thank you!

Thank you,

Katie Posler, Senior Planner
City of Scottsdale
Planning & Development Services
7447 E. Indian School Rd., Ste. 105
Scottsdale, AZ 85251
480.312.2703

From: Ruenger, Jeffrey <JRuenger@scottsdaleaz.gov>
Sent: Monday, January 24, 2022 9:33 AM
To: drumolo@cox.net
Cc: Posler, Kathryn <KPosler@Scottsdaleaz.gov>
Subject: RE: SDL Greenway project. 52-Dr-2021

David,

You may follow this application [here](#) under the Applicant's submittal and the Public Hearing Information sections. The city will post the site 10 days before the Development Review Board hearing once that has been determined. The staff report will also be available on the page 7 days before the scheduled hearing date. I have copied the staff contact for this project on this response.

Regards
Jeff

From: NoReply <NoReply@Scottsdaleaz.gov>
Sent: Sunday, January 23, 2022 11:21 PM
To: Projectinput <Projectinput@Scottsdaleaz.gov>
Subject: SDL Greenway project. 52-Dr-2021



I wish to be kept informed on the status of this application. I am opposed to the project since it violates a 2018 Lease agreement between the City and project proponents. That lease was approved in December 2018 and testimony by the project proponent and the Scottsdale Airport Aviation Director told City Council that only 2 rows of aircraft parking would be impacted. The Greenway Hangars would not be demolished. -- sent by David Rumolo (case# 52-DR-2021)

From: [Laurel Farrell](#)
To: [Laurie Whitney](#)
Cc: [Posler, Kathryn](#)
Subject: Re: 52-DR-2021
Date: Tuesday, January 18, 2022 2:52:04 PM

External Email: Please use caution if opening links or attachments!

Perfect. FYI - Danny is aware of my concerns and was planning on putting something together once he returns from Europe. Please coordinate with him.

Thanks

Laurel Farrell
720 583 4798

On Tue, Jan 18, 2022 at 10:50 AM Laurie Whitney <Laurie.Whitney@meadhunt.com> wrote:

Thank you for copying me, Katie. Nice to meet you Ms. Farrell.

I have a request from our client to prepare a set of drawings for you which should more clearly explain the proposed fencing, landscaping and signage. These documents should help answer the questions you have and facilitate a more detailed conversation if needed. We're targeting completion by the end of this week. If there is anything more that you need, please do let me know, we are happy to help.

Sincerely,

laurie

LAURIE WHITNEY, AIA, LEED AP BD+C

BUSINESS UNIT LEADER

(Pronouns She, Her, Hers)

Mead & Hunt

Direct: 608-443-0558 | Cell: 608-609-7884 | Transfer Files
meadhunt.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)

 120 YEARS OF SHAPING THE FUTURE

From: Posler, Kathryn <KPosler@Scottsdaleaz.gov>
Sent: Tuesday, January 18, 2022 10:42 AM
To: laurelf@murphyventures.com
Cc: Laurie Whitney <Laurie.Whitney@meadhunt.com>

Subject: RE: 52-DR-2021

Importance: High

Hi Laurel,

I can include this as public comment in the report and notify you when the case is scheduled to a hearing.

I have copied the applicant for this case, Laurie Whitney, can you please detail to her what your issues are so we can work towards a resolution if possible? Thanks!

Thank you,

Katie Posler, Senior Planner

City of Scottsdale

Planning & Development Services

7447 E. Indian School Rd., Ste. 105

Scottsdale, AZ 85251

480.312.2703

From: NoReply <NoReply@Scottsdaleaz.gov>

Sent: Monday, January 17, 2022 3:36 PM

To: Posler, Kathryn <KPosler@Scottsdaleaz.gov>

Subject: 52-DR-2021



Please be on notice that based on what we have received so far, we have concerns regarding the fence, plantings & signage on the property line between 7807 and 7819 E Greenway. We anticipate these will be worked out with Jet Aviation prior to final planning. Please add our emails to the notices: jaym@murphyventures.com marcj@murphyventures.com laurelf@murphyventures.com Thanks -- sent by Laurel Farrell (case# 52-DR-2021)



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Thanks,

Laurel Farrell

Manager, Murphy Ventures LLC

720.583.4798

Laurel M Farrell is a licensed real estate broker in the State of Arizona and the Designated Broker for, and principal in, Diversified Property Management LLC and a principal in its Affiliates and their respective properties. Receipt of this communication does not establish or constitute evidence of a broker/client relationship between Diversified Property Management LLC and/or Laurel M Farrell and the designated recipient and may not be relied upon as professional advice.