

HISTORIC AND DESIGN REVIEW COMMISSION

February 07, 2024

HDRC CASE NO: 2024-028
ADDRESS: 9800 AIRPORT BLVD
LEGAL DESCRIPTION: NCB 16435 BLK 1 LOT 6 S A INTERNATL AIRPORT UT-12
ZONING: R-5, Public Property
PUBLIC PROPERTY: Yes
CITY COUNCIL DIST.: 9
APPLICANT: Paul Bielamowicz/Page
OWNER: Javier Castro/CITY OF SAN ANTONIO
TYPE OF WORK: Construction of a ground loading facility
APPLICATION RECEIVED: January 19, 2024
60-DAY REVIEW: April 7, 2024
CASE MANAGER: Edward Hall

REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to construct a Ground Loading Facility to be attached to the existing Terminal A at San Antonio International Airport. The Ground Loading Facility has been designed to quickly enable the construction and operation of new gates to facilitate the propose the future central terminal expansion.

APPLICABLE CITATIONS:

Unified Development Code Section. 35-642. New Construction of Buildings and Facilities.

In considering whether to recommend approval or disapproval of a certificate, the historic and design review commission shall be guided by the following design considerations. These are not intended to restrict imagination, innovation or variety, but rather to assist in focusing on design principles, which can result in creative solutions that will enhance the city and its neighborhoods. Good and original design solutions that meet the individual requirements of a specific site or neighborhood are encouraged and welcomed.

(a) Site and Setting.

- (1) Building sites should be planned to take into consideration existing natural climatic and topographical features. The intrusive leveling of the site should be avoided. Climatic factors such as sun, wind, and temperature should become an integral part of the design to encourage design of site-specific facilities which reinforces the individual identity of a neighborhood and promotes energy efficient facilities.
- (2) Special consideration should be given to maintain existing urban design characteristics, such as setbacks, building heights, streetscapes, pedestrian movement, and traffic flow. Building placement should enhance or create focal points and views. Continuity of scale and orientation shall be emphasized.
- (3) Accessibility from streets should be designed to accommodate safe pedestrian movement as well as vehicular traffic. Where possible, parking areas should be screened from view from the public right-of-way by attractive fences, beams, plantings or other means.
- (4) Historically significant aspects of the site shall be identified and if possible incorporated into the site design. Historic relationships between buildings, such as plazas or open spaces, boulevards or axial relationships should be maintained.

(b) Building Design.

- (1) Buildings for the public should maintain the highest quality standards of design integrity. They should elicit a pride of ownership for all citizens. Public buildings should reflect the unique and diverse character of San Antonio and should be responsive to the time and place in which they were constructed.

- (2) Buildings shall be in scale with their adjoining surroundings and shall be in conformance to the identifying quality and characteristics of the neighborhood. They shall be compatible in design, style and materials. Reproductions of styles and designs from a different time period are not encouraged, consistent with the secretary of the interior's standards. Major horizontal and vertical elements in adjoining sites should be respected.
- (3) Materials shall be suitable to the type of building and design in which they are used. They shall be durable and easily maintained. Materials and designs at pedestrian level shall be at human scale, that is they shall be designed to be understood and appreciated by someone on foot. Materials should be selected that respect the historic character of the surrounding area in texture, size and color.
- (4) Building components such as doors, windows, overhangs, awnings, roof shapes and decorative elements shall all be designed to contribute to the proportions and scale of their surrounding context. Established mass/void relationships shall be maintained. Patterns and rhythms in the streetscape shall be continued.
- (5) Colors shall be harmonious with the surrounding environment, but should not be dull. Choice of color should reflect the local and regional character. Nearby historic colors shall be respected.
- (6) Mechanical equipment or other utility hardware should be screened from public view with materials compatible with the building design. Where possible, rooftop mechanical equipment should be screened, even from above. Where feasible, overhead utilities should also be underground or attractively screened. Exterior lighting shall be an integral part of the design. Interior lighting shall be controlled so that the spillover lighting onto public walkways is not annoying to pedestrians.
- (7) Signs which are out of keeping with the character of the environment in question should not be used. Excessive size and inappropriate placement on buildings results in visual clutter. Signs should be designed to relate harmoniously to exterior building materials and colors. Signs should express a simple clear message with wording kept to a minimum.
- (8) Auxiliary design. The site should take into account the compatibility of landscaping, parking facilities, utility and service areas, walkways and appurtenances. These should be designed with the overall environment in mind and should be in visual keeping with related buildings, structures and places.

FINDINGS:

- a. The applicant is requesting a Certificate of Appropriateness for approval to construct a Ground Loading Facility to be attached to the existing Terminal A at San Antonio International Airport. The Ground Loading Facility has been designed to quickly enable the construction and operation of new gates to facilitate the proposed future central terminal expansion.
- b. SUB-COMMITTEE REVIEW – A pre-submittal consultation was held on December 12, 2023. At that meeting, Committee members commented on the proposed materials, natural light, façade arrangement, fenestration patterns, and landscaping and other site elements. Generally, Committee members were supportive of the proposed new construction.
- c. EXISTING SITE – The existing site features apron space. The construction of the Ground Loading Facility will not require the demolition of existing structures.
- d. GROUND LOADING FACILITY – The applicant has proposed to construct a Ground Loading Facility to be attached to the existing Terminal A at San Antonio International Airport. The structure will introduce ground load gates, feature a pre-engineered structural system, will feature interior concession space and a covered outdoor terrace. The structure will feature two levels and an overall height of 42' – 9". Generally, staff finds the proposed massing and footprint of the structure to be appropriate and consistent with the UDC.
- e. MATERIALS – The applicant has proposed materials that include corrugated metal wall panels, standing seam metal roofs, glass storefront systems, and aluminum window trim. Staff finds the proposed materials to be appropriate and consistent with the UDC.
- f. MECHANICAL EQUIPMENT – The applicant has noted the locations of various rooftop mechanical equipment. The applicant has noted screening elements that are to be installed to screen mechanical equipment from the right of way on Terminal Drive. Staff finds this to be appropriate and consistent with the UDC.
- g. LANDSCAPING & FENCING – The applicant has submitted information regarding landscaping elements and materials. The submitting documents note plants that are native to the San Antonio region as well as secure

fencing elements. Staff finds the proposed landscaping and fencing elements to be appropriate and consistent with the UDC.

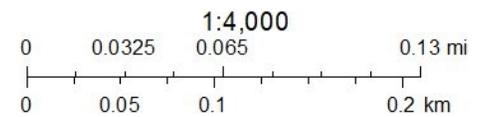
RECOMMENDATION:

Staff recommends approval based on findings a through g, as submitted.

City of San Antonio One Stop



January 25, 2024





CITY OF SAN ANTONIO
**OFFICE OF HISTORIC
PRESERVATION**

Historic and Design Review Commission
Pre-Submittal Consultation Report

DATE: December 12, 2023

HDRC Case #: -----

Address: San Antonio International Airport

Meeting Location: Webex

APPLICANT: Talmadge Smith/Page

DRC Members present: Jeff Fetzer, Roland Mazuca, Jason Vasquez, Jimmy Cervantes, Dr. Karen Burgard, Lisa Garza (Conservation Society).

Staff Present: Edward Hall

Others present: Itzia Garcia, Danny Watson, Jerry Cabellero, JP Wright, Justin Kreft, Tina Hammersted (Aviation), Michael Rangel

REQUEST: Construction of a Ground Load Facility at San Antonio International Airport

COMMENTS/CONCERNS:

TS: Overview of proposal, schedule, etc.; this project is meant primarily for budget carriers, but is needed prior to the start of construction for the primary new terminal.

LG: Questions about materials.

JF: Looking at terminal wall from the tarmac...The design does appear to look like a warehouse. Has the incorporation of punched windows high on the façade been explored (to break up flat planes and to let light into space). TS: Yes, this has been explored and could be incorporated still, pending budget. Budget does not currently include that.

JF: Will public art be included (interior and exterior)? TS – Yes, that option is available.

JV: The exterior walls facing the tarmac would be a great opportunity for public art.

JC: San Antonio has a rich history of military aviation. Has hangar design been considered? That would prevent the structure from appearing as a warehouse. TS: An option with a peak in the middle that was more expressive was explored – various design elements prevented that (water drainage away from the tarmac, mechanical equipment on roofs would be more prominent with a different roof form, current design is more aesthetic.)

LG: The color introduction is good as is the corner element. Is there any possibility to increase the height of the storefront; more solid wall above the glass gives a heavy appearance. TS: This has been explored; concerns over affordability.

JF: A lot of historic buildings feature a storefront with a horizontal awning with a transom above; can a design similar be explored? This could provide more light and break up the façade more.

LG: Could the awning act as a light shelf?

TS: Somewhat concerned with the introduction of west and south facing windows that introduce glare and heat into the passenger area.

TS: The glazing introduced in the GLF will be significantly more than what is current in terminal A.

LG: Feels that additional glazing should be incorporated into the design.

JF: The opportunity to break up the wall may present itself when the metal panel manufacturer becomes involved. Details in panels may provide patterns, shade and shadow.

DW: Overview of landscaping, site elements, fencing.

JF: Glad to see xeriscaping and water saving plants. Have you considered a partnership with SAWS to install cisterns and water collection systems? TS: Water collection has been considered; have not fully determined design elements at this time.

LG: Will landscaping have pedestrian access? DW: No, only viewed from the access road to the airport.

JF: Thank you for the presentation. Hopefully budget and metal manufacturer will allow for some additional relief on long wall facing tarmac.

JF: Are there plans to improve views/landscaping at cell phone waiting lot?

OVERALL COMMENTS:

Project Description and Scope of Work

SAT Ground Loading Facility

Project Description

The new Ground Loading Facility (GLF) is designed as a much-needed and fast-paced expansion of the San Antonio Airport (SAT), quickly enabling new gates to come online in order to facilitate the forthcoming central terminal expansion at SAT. The GLF is designed to appeal to the needs of low-cost airlines who are comfortable operating ground-loaded gates, as opposed to flights boarded from the main terminal via jet-bridges. As such, it is intended to be an economical yet attractive complement to SAT that will be quick to build.

The pre-engineered metal building structural system supports the project's need for economy and speed. It's unique wedge-shaped structure evokes an architectural language of hangars and provides a dynamic view of the primary structure from within the GLF's hold room spaces. The exterior of the building likewise reflects the honesty of its structural system. It is clad in textured metal panels which correspond in color and rhythm to the standing seam metal roof. On the north façade, windows are composed as simple openings befitting the scale of the building, and they cascade gracefully down from the second floor to the first, following a ramp which is the primary means of passenger circulation within the space. The southern façade which faces the tarmac features expansive 12' high glazing allowing passengers ample daylight and views out to the aircraft. The second level features a covered outdoor terrace that serves an indoor concession function and provides an unforgettable view out onto the airfield. All the south-facing windows are covered by a deep awning, reducing solar heat gain and lessening the energy footprint of the facility. Additionally, care has been taken to screen rooftop equipment from view of the visitors approach road below.

The west elevation serves as the 'front door' to SAT – it will be the first thing visitors see when arriving at the terminal. The design takes advantage of that prominence by creating a large glass opening welcoming visitors which is surrounded by a vibrant golden-colored metal panel. Though the glass is shaded by a deep overhang and heavy ceramic frit, a pricing alternative exists to use electrochromic glass on this façade in order to maximize passenger comfort within.

The project makes strategic use of color – primarily to serve as intuitive wayfinding. The gold color not only welcomes visitors from the west, but it also highlights the arrival doors from the tarmac on the south façade. The interior of the outdoor terrace on level two also features the bright gold, drawing patrons and aviation lovers alike.

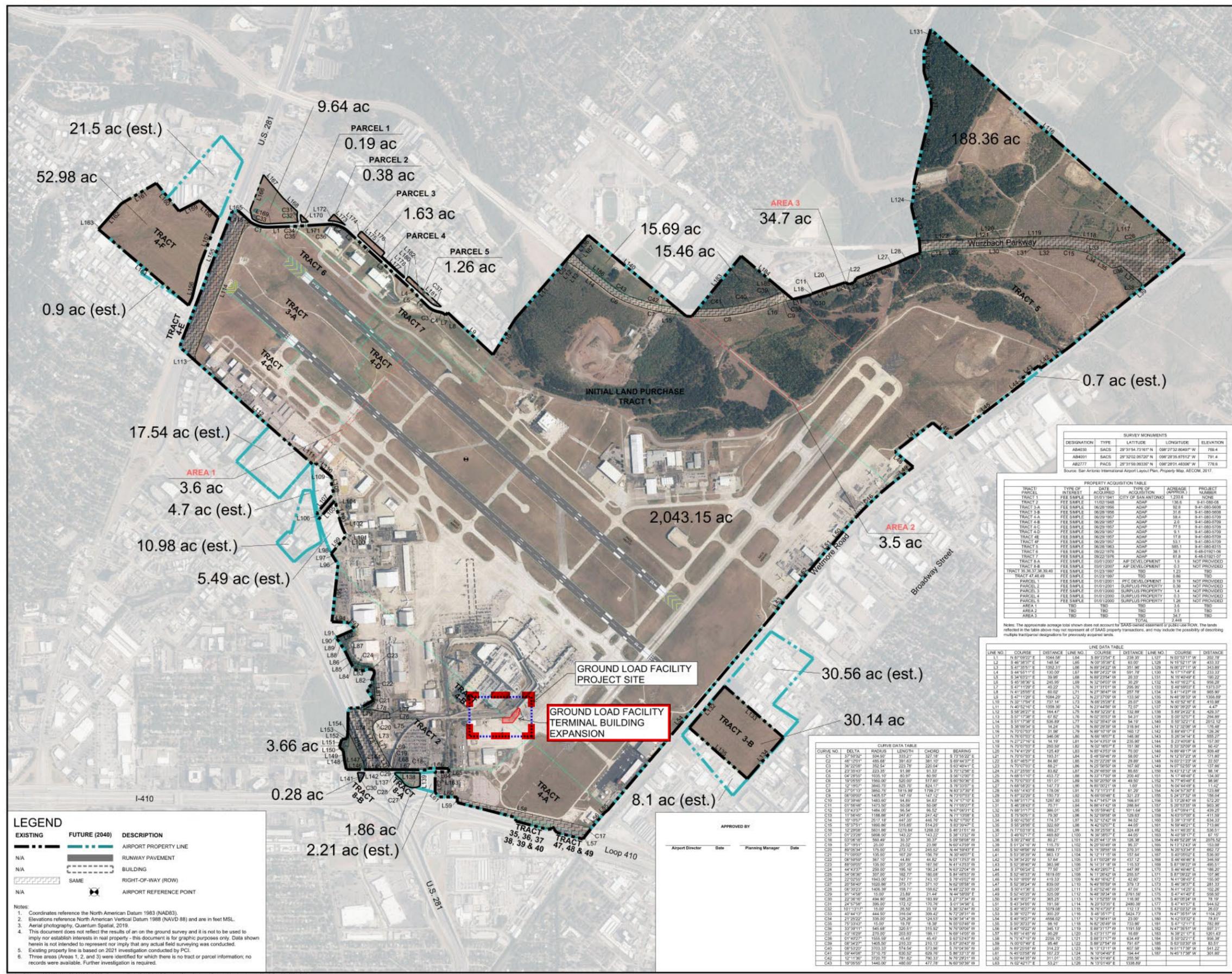
Our design team had a working group meeting with the HDRC and came away with two primary suggestions: find a way to get more daylight into the south-facing hold room areas and look for methods to enliven the long metal-panel clad wall which faces south. Our team studied solutions to both suggestions and held several meetings with our client to determine the best way forward. Regarding the suggestion to add more glazing to the south elevation, we studied several solutions including a clerestory window above the deep sun shade and increasing the height of the glazing beneath the sunshade by 20% (from 10' tall to 12' tall). We did a thorough sun study to check the impact of both those strategies and found that while the clerestory windows did provide interesting light with the space, sometimes that daylight and glare landed right in the seating groups within the hold room space – which would result in passenger discomfort or unoccupied seats. However, increasing the glass height by 20% provided more daylight than the original solution without unwanted glare. Our client directed us to increase the height and forgo the clerestory windows. An additional benefit to that strategy is that the long metal-panel clad wall height was also reduced by several feet. In addition to that, our team has worked with the contractor and metal panel supplier to devise a new metal-panel configuration featuring an alternating pattern. As a result, the elevation now features a lovely undulating texture that enlivens the entire south elevation and will catch sun and shadow in dynamic ways throughout the course of the day.

Annotated Overall Site Plan



AIRPORT LAYOUT PLAN UPDATE

AIRPORT PROPERTY MAP



DESIGNATION	TYPE	LATITUDE	LONGITUDE	ELEVATION
AB4030	SACS	29°31'54.73161" N	096°27'32.80491" W	769.4
AB4001	SACS	29°32'02.09720" N	096°28'35.87912" W	791.4
AB2777	7 SACS	29°31'55.06320" N	096°28'01.45500" W	776.8

Source: San Antonio International Airport Layout Plan, Property Maps, AECOM, 2017.

TRACT/PARCEL	TYPE OF INTEREST	DATE ACQUIRED	TYPE OF ACQUISITION	ACREAGE (APPROX)	PROJECT NUMBER
TRACT 1	FEE SIMPLE	11/03/1948	ADAP	136.6	8-41-080-018
TRACT 2	FEE SIMPLE	06/28/1956	ADAP	31.6	8-41-080-019
TRACT 3-A	FEE SIMPLE	06/28/1956	ADAP	28.4	8-41-080-019
TRACT 3-B	FEE SIMPLE	06/28/1956	ADAP	22.5	8-41-080-019
TRACT 4-C	FEE SIMPLE	06/28/1957	ADAP	77.0	8-41-080-019
TRACT 4-D	FEE SIMPLE	06/28/1957	ADAP	17.0	8-41-080-019
TRACT 4-E	FEE SIMPLE	06/28/1957	ADAP	17.0	8-41-080-019
TRACT 4-F	FEE SIMPLE	06/28/1957	ADAP	17.0	8-41-080-019
TRACT 5	FEE SIMPLE	06/28/1953	ADAP	385.1	8-41-080-015
TRACT 6	FEE SIMPLE	09/22/1976	ADAP	88.0	8-48-01921-06
TRACT 7	FEE SIMPLE	09/22/1976	ADAP	61.0	8-48-01921-07
TRACT 8-A	FEE SIMPLE	03/01/2007	AP DEVELOPMENT	1.0	NOT PROVIDED
TRACT 8-B	FEE SIMPLE	03/01/2007	AP DEVELOPMENT	0.3	NOT PROVIDED
TRACT 35, 36, 37, 38, 39, 40	FEE SIMPLE	01/23/1987	TBD	1.23	TBD
TRACT 47, 48, 49	FEE SIMPLE	01/23/1987	TBD	1.23	TBD
PARCEL 1	FEE SIMPLE	01/01/2001	PPIC DEVELOPMENT	0.19	NOT PROVIDED
PARCEL 2	FEE SIMPLE	01/01/2001	SURPLUS PROPERTY	0.36	NOT PROVIDED
PARCEL 3	FEE SIMPLE	01/01/2001	SURPLUS PROPERTY	1.4	NOT PROVIDED
PARCEL 4	FEE SIMPLE	01/01/2001	SURPLUS PROPERTY	0.3	NOT PROVIDED
PARCEL 5	FEE SIMPLE	01/01/2001	SURPLUS PROPERTY	1.26	NOT PROVIDED
AREA 1	TBD	TBD	TBD	3.6	TBD
AREA 2	TBD	TBD	TBD	3.1	TBD
AREA 3	TBD	TBD	TBD	34.7	TBD

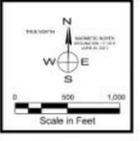
LINE NO.	COURSE	DISTANCE	LINE NO.	COURSE	DISTANCE
L1	N 87°00'00" E	1000.00	L64	S 89°23'54" E	238.30
L2	N 00°00'00" E	148.64	L65	N 00°00'00" E	148.64
L3	S 41°33'51" E	1303.31	L66	N 88°24'22" W	381.86
L4	N 00°00'00" E	1000.00	L67	N 00°00'00" E	1000.00

CURVE NO.	DELTA	RADIUS	CHORD	BEARING
C1	37°30'50"	556.95	351.21	271.30
C2	48°12'01"	485.68	301.63	301.50
C3	36°22'00"	355.24	223.79	207.84

EXISTING	FUTURE (2040)	DESCRIPTION
---	---	AIRPORT PROPERTY LINE
---	---	RUNWAY PAVEMENT
---	---	BUILDING
---	---	RIGHT-OF-WAY (ROW)
---	---	AIRPORT REFERENCE POINT

- Notes:
- Coordinates reference the North American Datum 1983 (NAD83).
 - Elevations reference North American Vertical Datum 1988 (NAVD 88) and are in feet MSL.
 - Aerial photography, Quantum Spatial, 2019.
 - This document does not reflect the results of an on the ground survey and it is not to be used to imply nor establish interests in real property - this document is for graphic purposes only. Data shown herein is not intended to represent nor imply that any actual field surveying was conducted.
 - Existing property line is based on 2021 investigation conducted by PCI.
 - Three areas (Areas 1, 2, and 3) were identified for which there is no tract or parcel information; no records were available. Further investigation is required.

No.	Revisions	Date

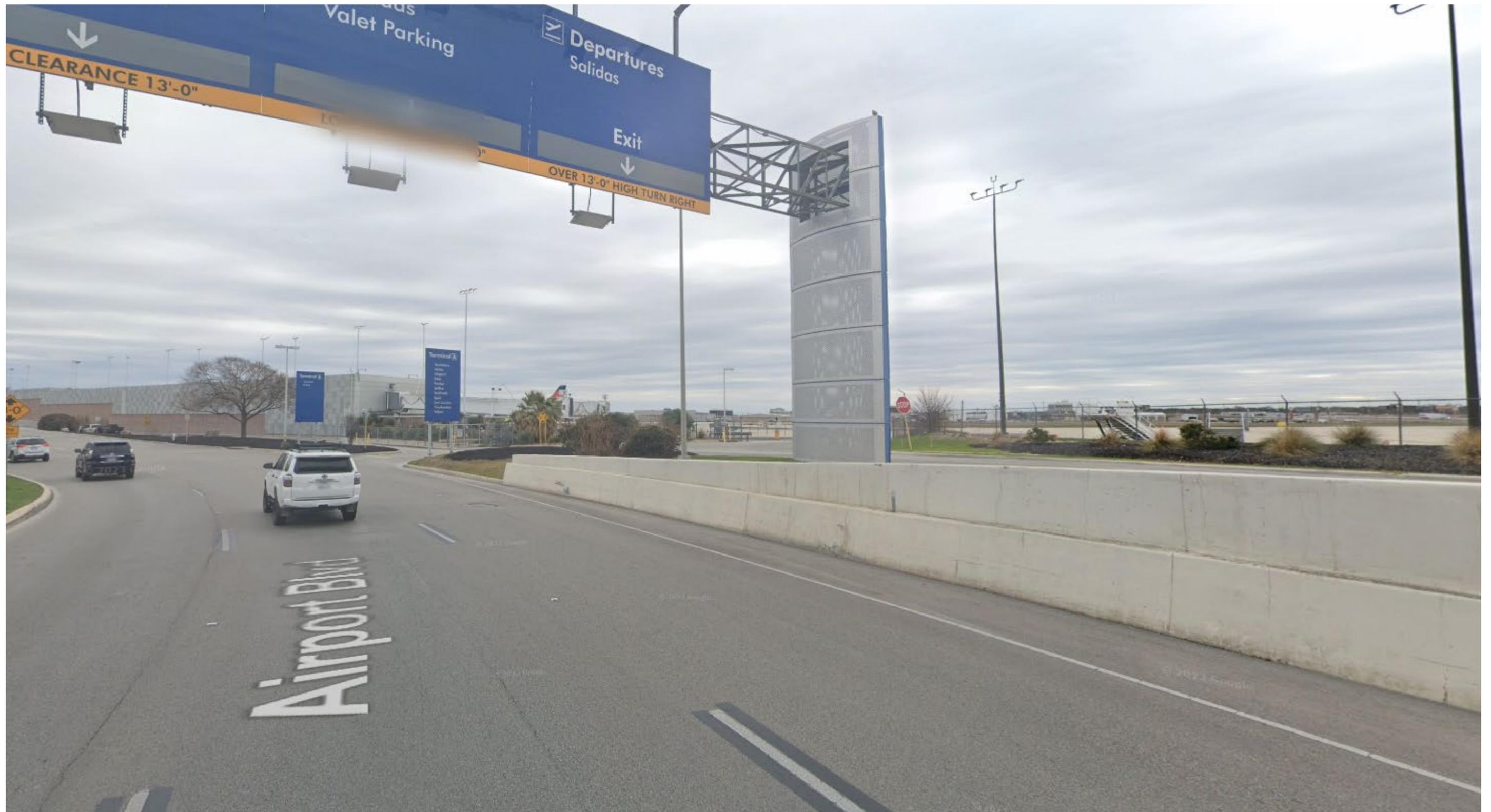


DRAWN BY: VTIT
 CHECKED BY: VMEG
 PREPARED BY: PCWSP
 December 2021 (DRAFT)
 SHEET 31 OF 31

Photos of All Sides of the Impacted Structure

Ground Loading Facility

Existing Conditions - Approach from Airport Blvd



Ground Loading Facility
Existing Conditions - North Side of Terminal A



Ground Loading Facility
Existing Conditions - Northwest End of Terminal A



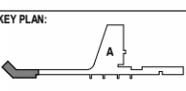
Ground Loading Facility
Existing Conditions - Southwest End of Terminal A



Ground Loading Facility
Existing Conditions - South End of Terminal A



Architectural Drawings



PROJECT TITLE:
 SAN ANTONIO INTERNATIONAL AIRPORT
TERMINAL A GROUND LOADING FACILITY

9800 AIRPORT BLVD,
 SAN ANTONIO, TX 78216

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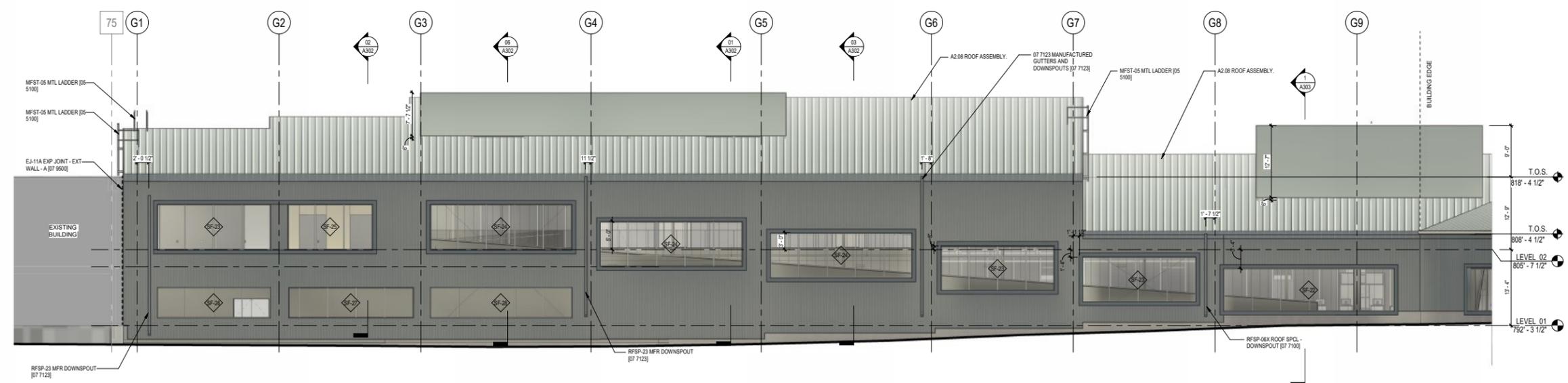
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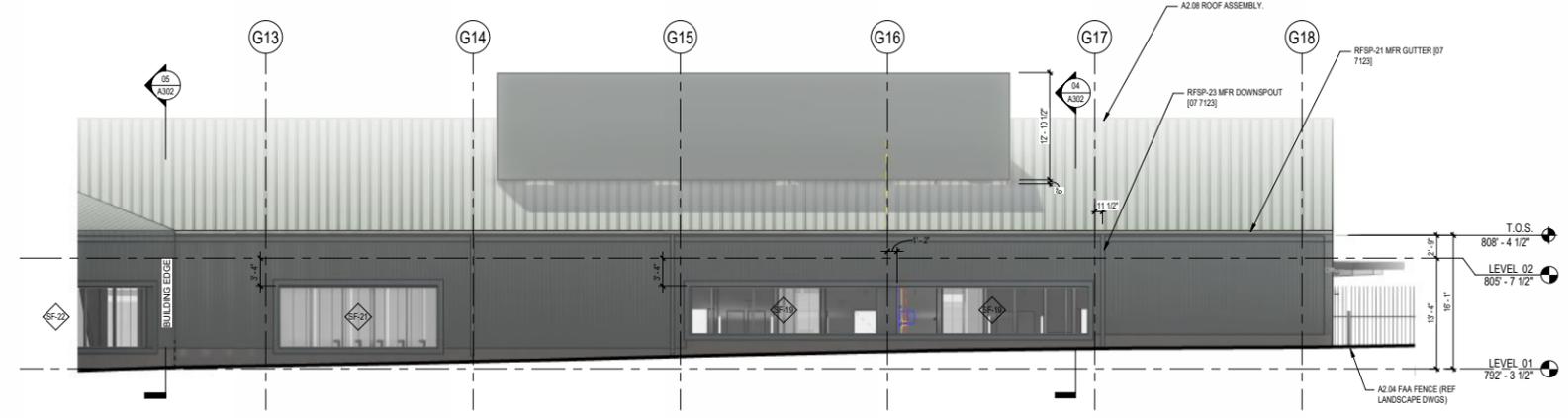
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 ARCHITECTURAL - EXTERIOR ELEVATIONS

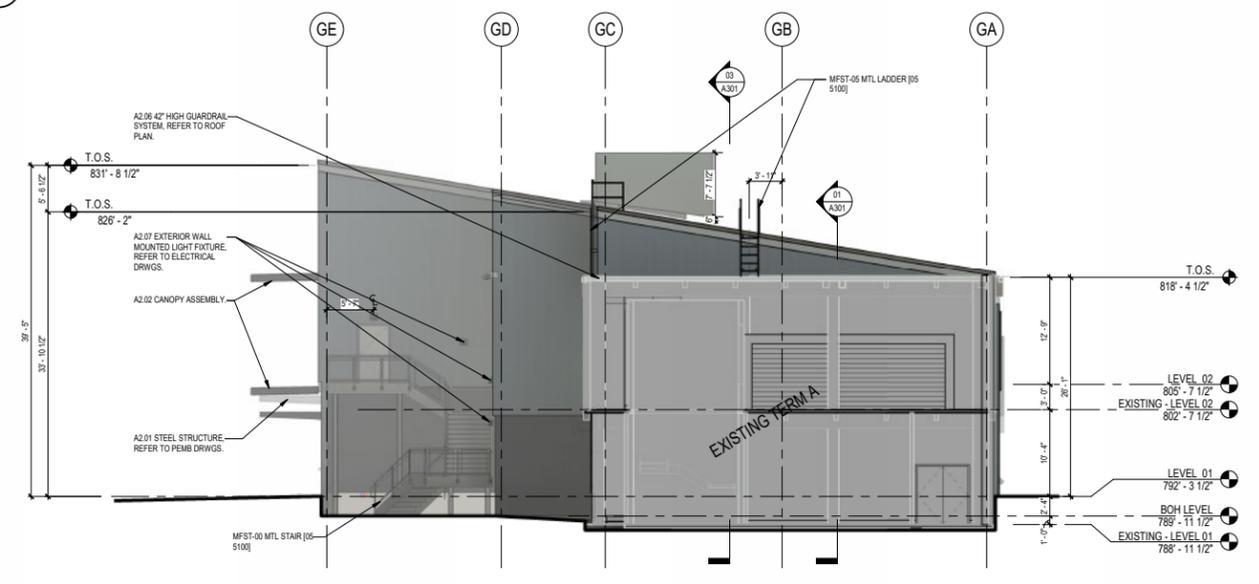
SHEET NUMBER:
A-202



1 EXTERIOR ELEVATION - NORTHWEST
 SCALE: 1/8" = 1'-0"



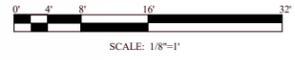
2 EXTERIOR ELEVATION - NORTH Copy 1
 SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST
 SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATION LEGEND

SYMBOL	DESCRIPTION
[Symbol]	VISION GLASS
[Symbol]	MESH FENCE GUARDRAIL
[Symbol]	WALL ASSEMBLY A1
[Symbol]	WALL ASSEMBLY A2
[Symbol]	WALL ASSEMBLY B1
[Symbol]	ALUM. STOREFRONT SYSTEM. SEE GLAZING ELEVATIONS



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Exterior GLF Design View from Ramp



SAN ANTONIO
INTERNATIONAL
AIRPORT



CONSTRUCTION AND DEVELOPMENT
SAN ANTONIO INTERNATIONAL AIRPORT
457 SANDAU ROAD
SAN ANTONIO, TX 78216

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LANDSCAPE: **Rialto Studio**
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TEXAS REG. FIRM 98 2707

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MEP ENGINEER: **CNG Engineering, PLLC**
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KEY PLAN:



PROJECT TITLE:
SAN ANTONIO
INTERNATIONAL AIRPORT
**EARLY DEMOLITION
PACKAGE**

9800 AIRPORT BLVD,
SAN ANTONIO, TX 78216

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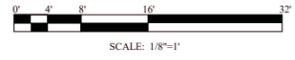
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Ground Loading Facility

View from Airside



SAN ANTONIO
INTERNATIONAL
AIRPORT



CONSTRUCTION AND DEVELOPMENT
SAN ANTONIO INTERNATIONAL AIRPORT
457 SANDAU ROAD
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LANDSCAPE: Rialto Studio
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TEXAS REG. FIRM 25-12-0194

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KEY PLAN:



PROJECT TITLE:

SAN ANTONIO
INTERNATIONAL AIRPORT
**EARLY DEMOLITION
PACKAGE**

9800 AIRPORT BLVD,
SAN ANTONIO, TX 78216

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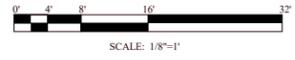
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APPROVED BY: Approver

ISSUE DATE: 29 JAN. 2024

SHEET NAME:

ARCHITECTURAL
- EXTERIOR RENDERING



SCALE: 1/8"=1'

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Ground Loading Facility

Metal Panel Variation



SAN ANTONIO
INTERNATIONAL
AIRPORT



CONSTRUCTION AND DEVELOPMENT
SAN ANTONIO INTERNATIONAL AIRPORT
457 SANDAU ROAD
SAN ANTONIO, TX 78216

CONSULTANTS:

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San Francisco | Washington DC | International Affiliate Offices

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PROJECT TITLE:
SAN ANTONIO
INTERNATIONAL AIRPORT
**EARLY DEMOLITION
PACKAGE**

9800 AIRPORT BLVD,
SAN ANTONIO, TX 78216

65% DESIGN DOCUMENTS

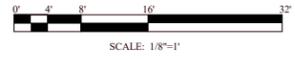
PROFESSIONAL SEAL:
REGISTERED ARCHITECT
THIS DOCUMENT IS RELEASED FOR THE
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REVISIONS

NO.	DATE	DESCRIPTION

SAT PROJECT NUMBER: 33-00340
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PROJECT NUMBER: 31A1V2020
FILE NAME: FILE NAME GOES HERE
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Specifications of Materials to be Used

SAT Ground Loading Facility

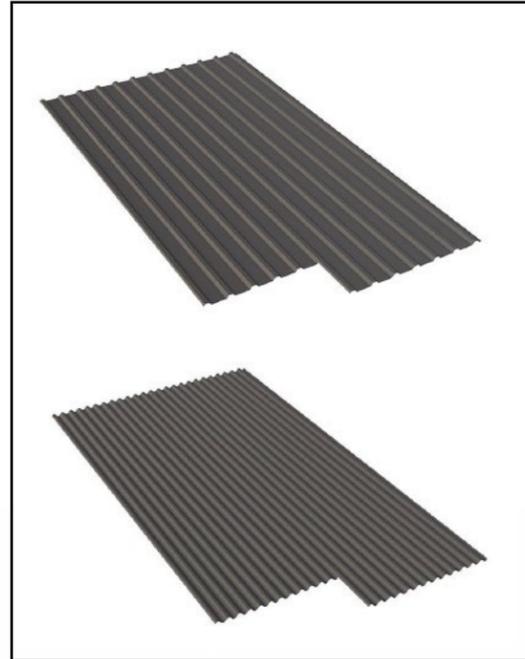
Exterior Material Palette

Roof Cladding -
Standing Seam Metal
Roof



**Aluminum
Window Trim**
Painted Trim
Accent Color

**Typ Wall, Roof top Screen Cladding -
Corrugated Metal Panel**
MBCI Metal Panels PBU, PBD



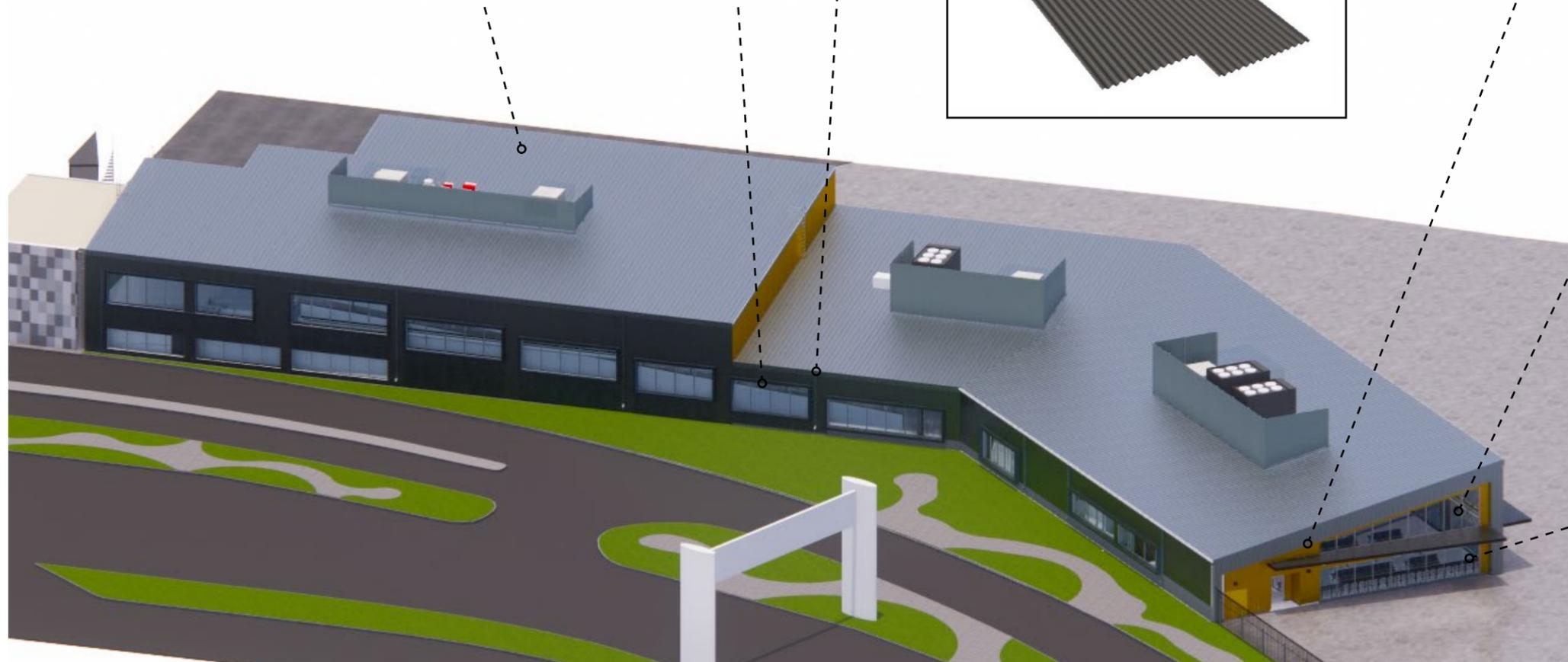
Painted Strong Accent Color



Storefront Glass Assembly



Electrochromic Glass
(Alternate)



SAT Ground Loading Facility

Exterior Material Palette

Standing Seam Metal Roof



Painted Strong Accent Color

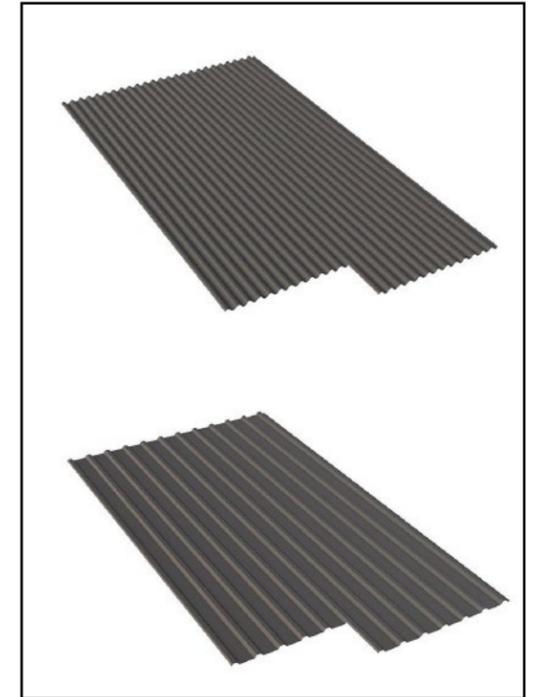


Storefront Glass Assembly

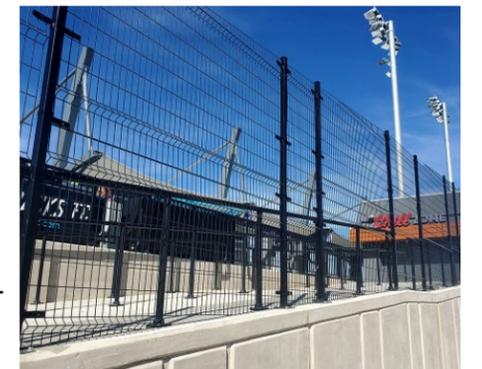


Typ Wall, Canopy Cladding - Corrugated

MBCI Metal Panels PBU, PBD



Omega Fence System



Ground Loading Facility Exterior Design

Planting Material



Purple Sage 'Rio Bravo' (SAAS approved)
Leucophyllum langmaniae 'Rio Bravo'



Black Dalea
Dalea frutescens



Mexican Bird of Paradise (SAAS approved)
Caesalpinia pulcherrima



Zexmenia
Wedelia hispida



Silver Ponyfoot
Dichondra argentea



Retama (SAAS approved)
Parkinsonia aculeata



Crape Myrtle (SAAS approved)
Lagerstroemia indica



Mountain Laurel (SAAS approved)
Sophora secundiflora



Paleleaf Yucca
Yucca pallida



Artichoke Agave
Agave neomexicana v. *parryi*



Whale's Tongue Agave
Agave ovatifolia



Blue Sotol (SAAS approved)
Dasyllirion wheeleri

Ground Loading Facility Exterior Design

Planting Material



Spineless Prickly Pear (SAAS approved)
Opuntia cacaonapa 'Ellisiana'



Golden Barrel Cactus
Echinocactus grusonii



Texas Sotol
Dasylirion texanum



Red Yucca
Hesperaloe parviflora

Ground Loading Facility Exterior Design

Irrigation



Drip Irrigation - Commercial Planting



Drip Irrigation - Parking Island



Bubbler - Planting Bed



Bubbler - Varying GPM



Spray Head - Turf Area



Spray Head - Commercial Planting



Rotor Head - Turf Area

IRRIGATION

SAN ANTONIO AIRPORT GROUND LOADING FACILITY
JANUARY 19, 2024

RIALTO STUDIO
LANDSCAPE ARCHITECTURE

Ground Loading Facility Exterior Design

Fencing and Planting Design

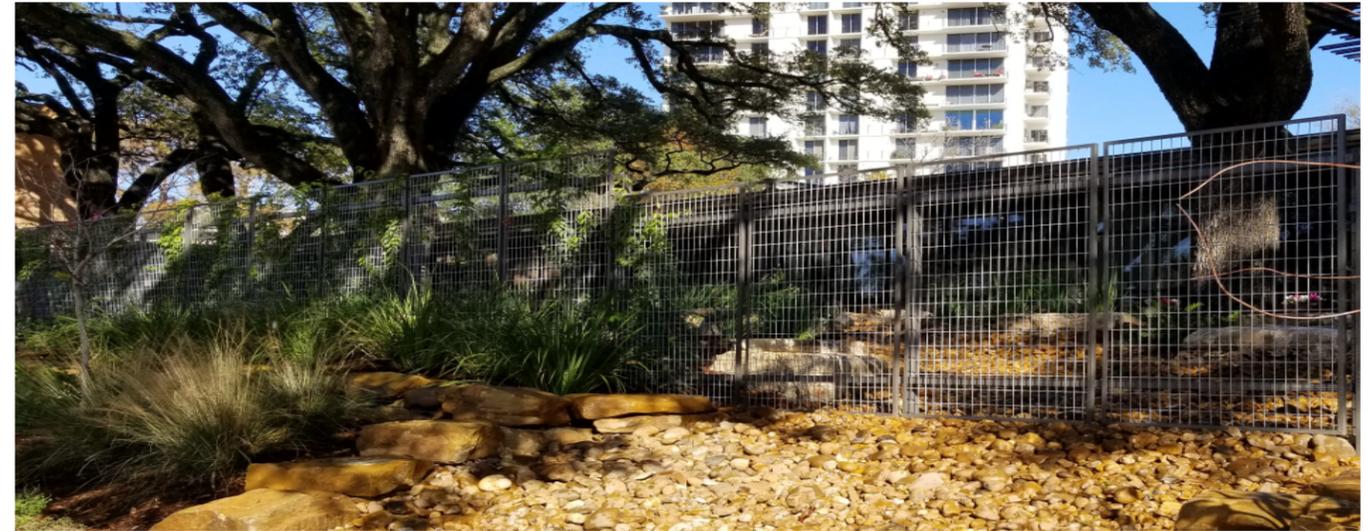


DRY CREEK BED AND PLANTING - TYPICAL PLANTING WITH VARYING SIZED STONE AND ROCKS

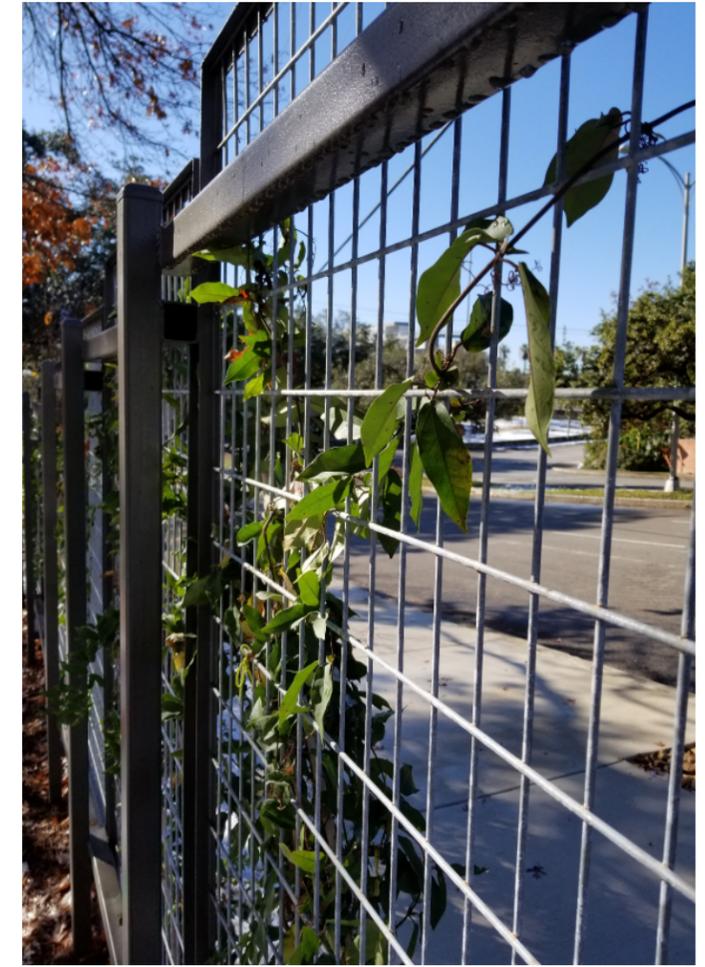
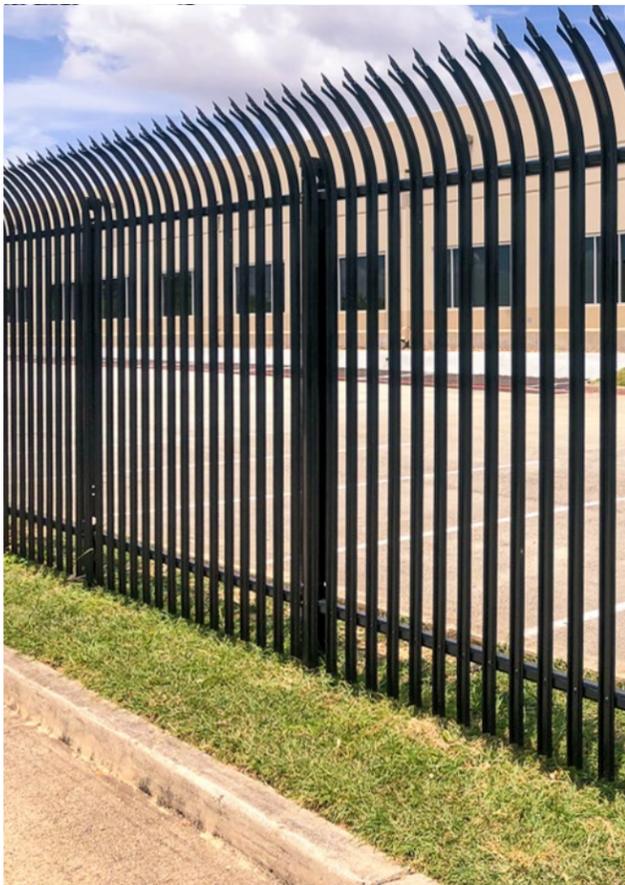
FAA FENCING - ANTI-CLIMB WELDED WIRE FENCE

Ground Loading Facility Exterior Design

FAA and Electrical Yard Fence



MECHANICAL YARD FENCING WITH VINES



STONE BASE OPTIONS @ FAA FENCING - WIRE MESH TO BE ATTACHED TO STEEL FENCING FOR VINE GROWTH