OCTOBER 2024

Civic Design Review

Terminal 3 West Modernization

EXTERIOR FACADES

PHASE 2 | DESIGN DEVELOPMENT

SFO

SAN FRANCISCO INTERNATIONAL AIRPORT

Contents

A Project Context

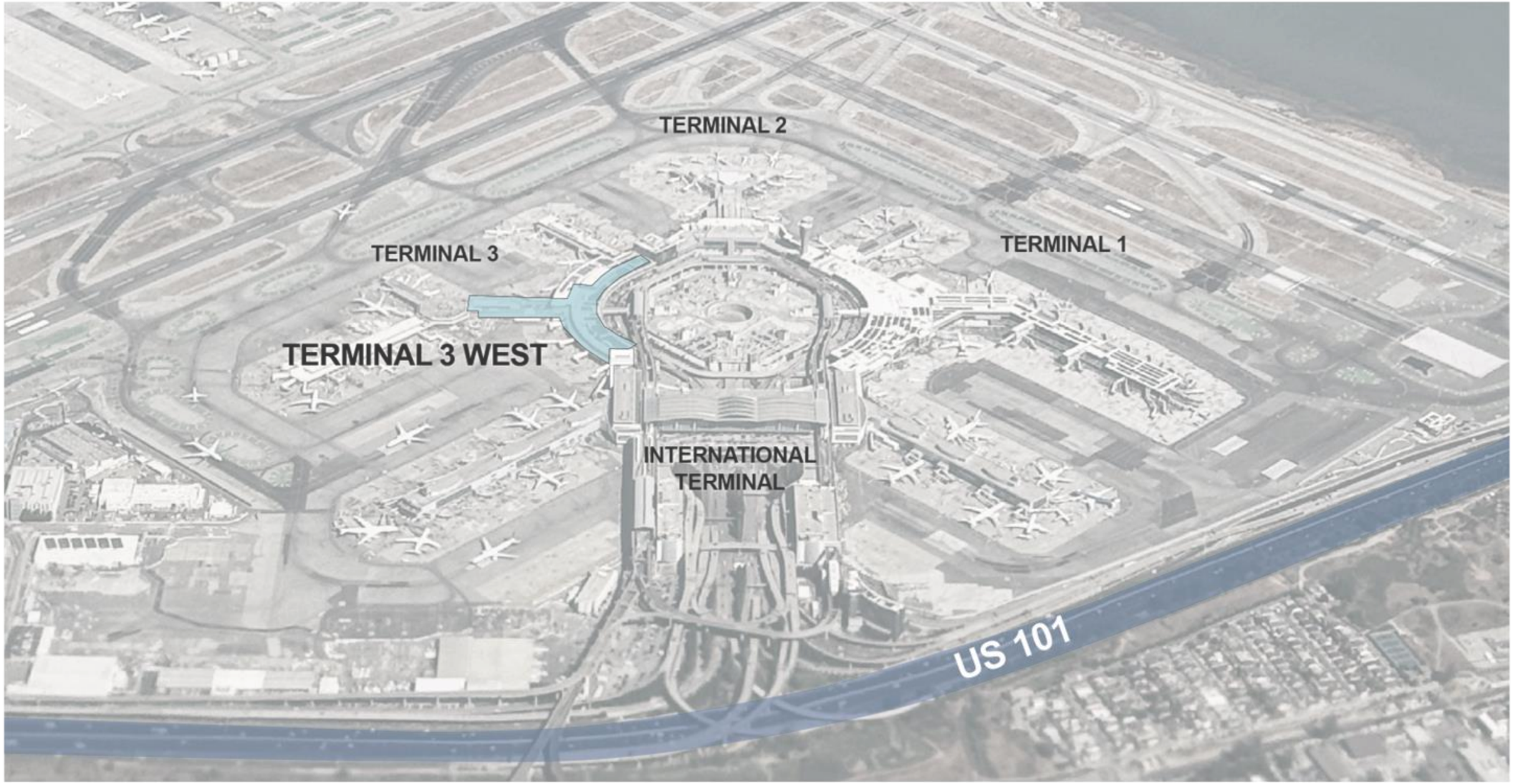
B Landside Façade

C Airside Façade

PART A

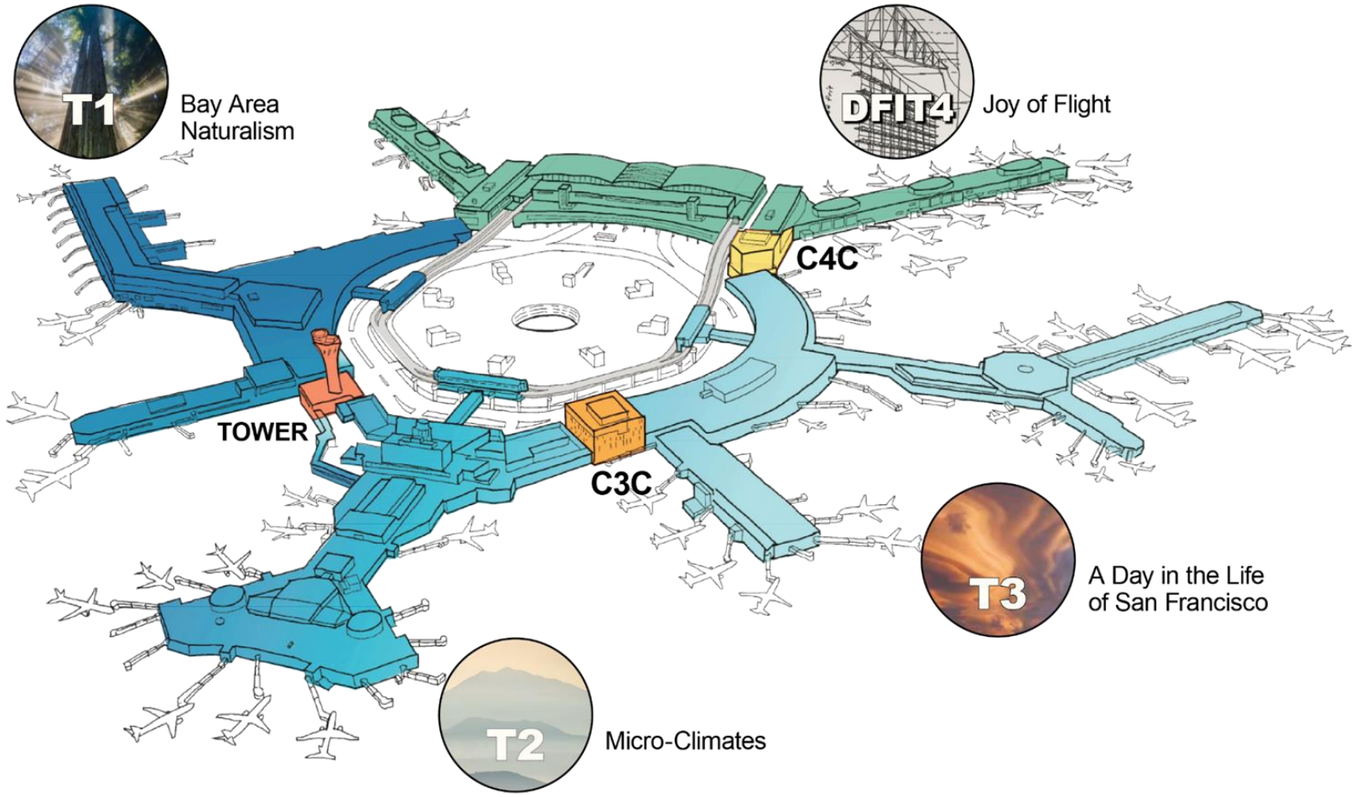
Project Context

Terminal 3 West Project Site



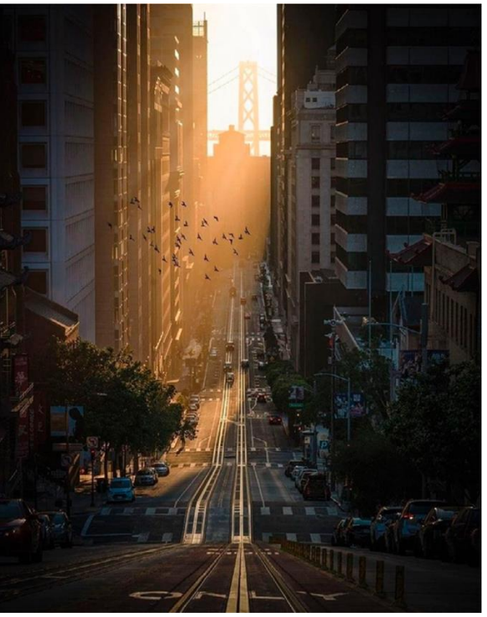
T3 ties the chapters together to complete the story.

Terminal 3 aligns with the masterplan hierarchy which allows the International Terminal to remain as the “Jewel” of the Airport with primary architectural importance. Like keys on a key ring, the Terminal 3 design builds upon existing campus context and distinguishes its identity as a complementary “key” to the other terminals.



A Day in the Life in SF

In San Francisco, the weather, sky, and light change dramatically throughout a single day and are an ever-unfolding backdrop to the theater that is our rich culture of food, art, and life. The Crosstown Trail presents a unique physical embodiment of this experience.



What we heard…

1

Create a more visually cohesive SFO.

2

T3 should relate to Harvey Milk T1 with both terminals emphasizing the roadway curve.

3

Avoid visually heavy “box” solution executed at Harvey Milk T1 for the AirTrain bridge connection to the terminal—it breaks up the emphasis of the roadway curve.

4

Consider how central security area impacts vehicular congestion and ensure it doesn’t exacerbate issues.

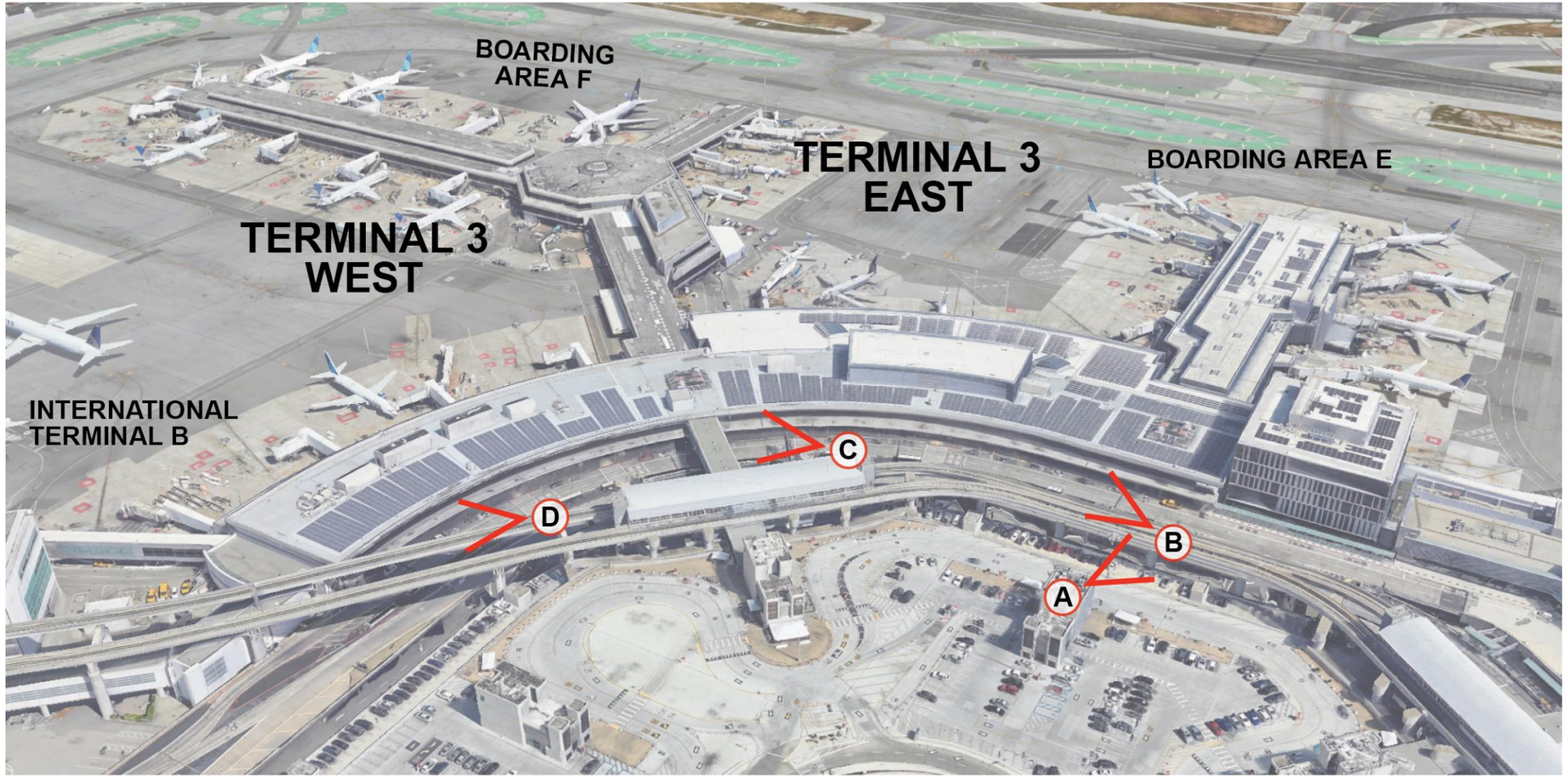
5

Details and materials are important to reinforce the roadway curve.

PART B

Landside Façade

Existing Landside Aerial & Context



COURTYARD 3 BUILDING

TERMINAL 3

TERMINAL 3 / AIRTRAIN BRIDGE

TERMINAL 3 END

Existing Landside Facade Considerations

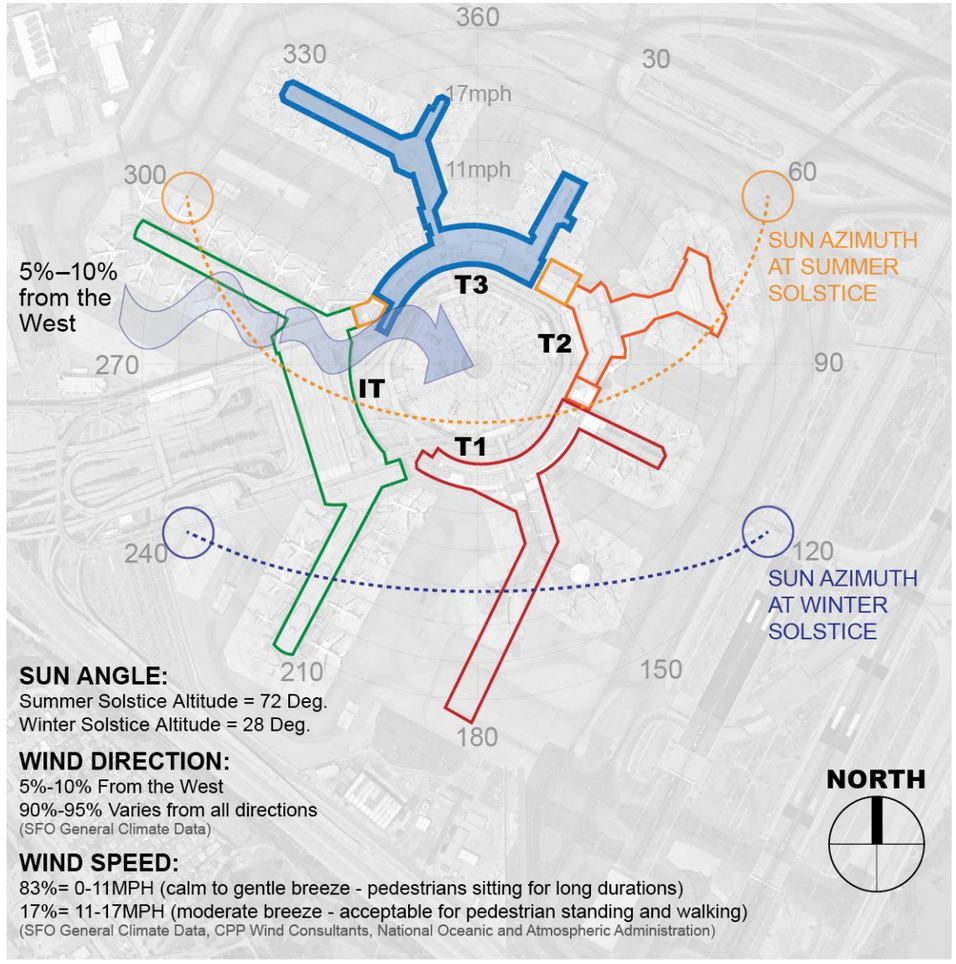
A
Disrupted visual continuity due to bridge

B
Lack of glare control results in shades always down

C
Lack of visual acuity and intuitive wayfinding

D
Curbside congestion
At first entrance point

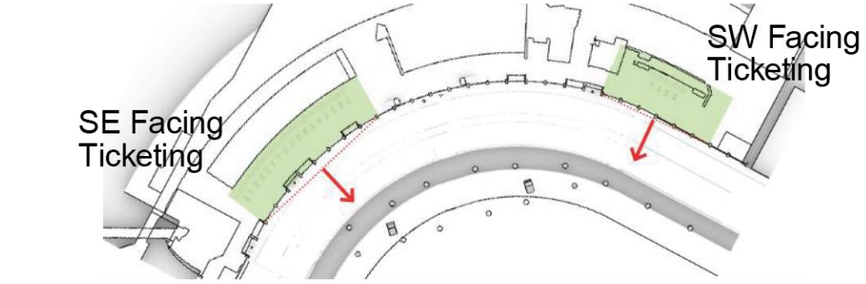
Environmental Considerations
Solar / Glare Analysis



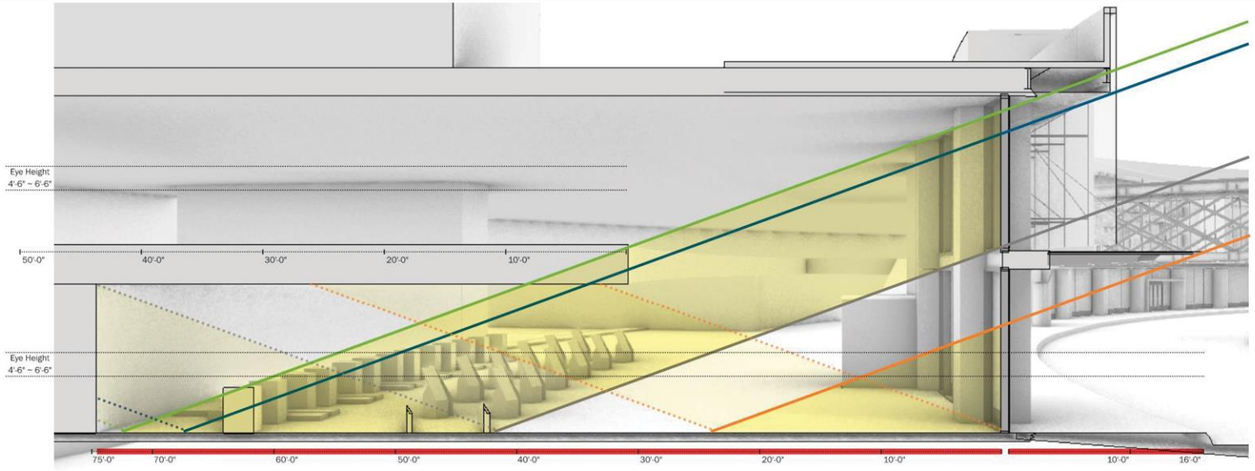
SUN ANGLE:
Summer Solstice Altitude = 72 Deg.
Winter Solstice Altitude = 28 Deg.

WIND DIRECTION:
5%-10% From the West
90%-95% Varies from all directions
(SFO General Climate Data)

WIND SPEED:
83%= 0-11MPH (calm to gentle breeze - pedestrians sitting for long durations)
17%= 11-17MPH (moderate breeze - acceptable for pedestrian standing and walking)
(SFO General Climate Data, CPP Wind Consultants, National Oceanic and Atmospheric Administration)



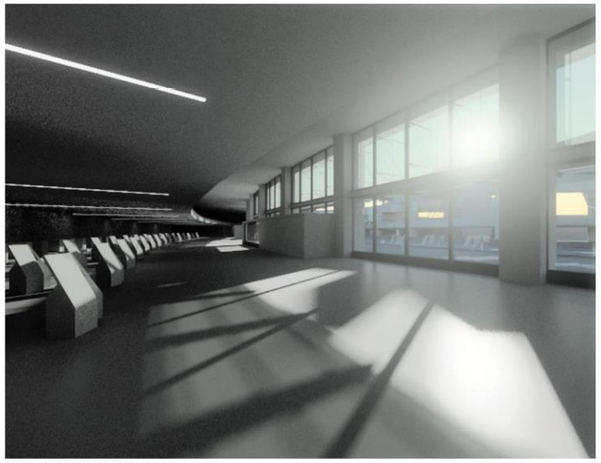
20 Degree Profile Angle



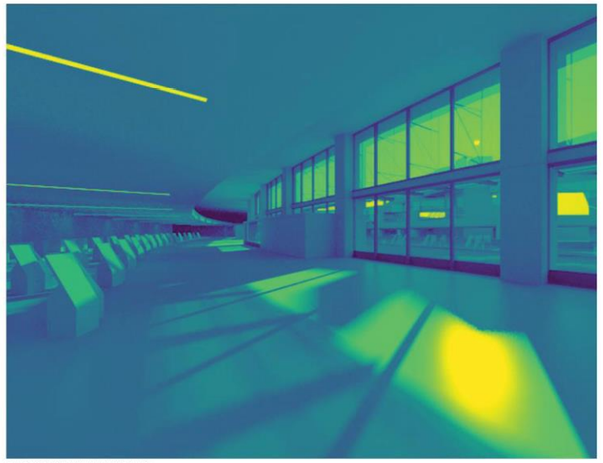
Daylight Experience | Ticketing, Southeast Facade | Sep. 21, 7:30am | Very Dense Frit (80% opacity)

✕ Glare from the disk of the sun remains. Maintaining clear glass for ground floor transparency, and glare from the floor reflections remains.

DGP = 0.89 / INTOLERABLE



HUMAN VISION PERCEPTION



FALSECOLOR LUMINANCE MAP

A Kit of Parts
Relation to SFO Campus

WARM ENTRIES
TERMINAL 1

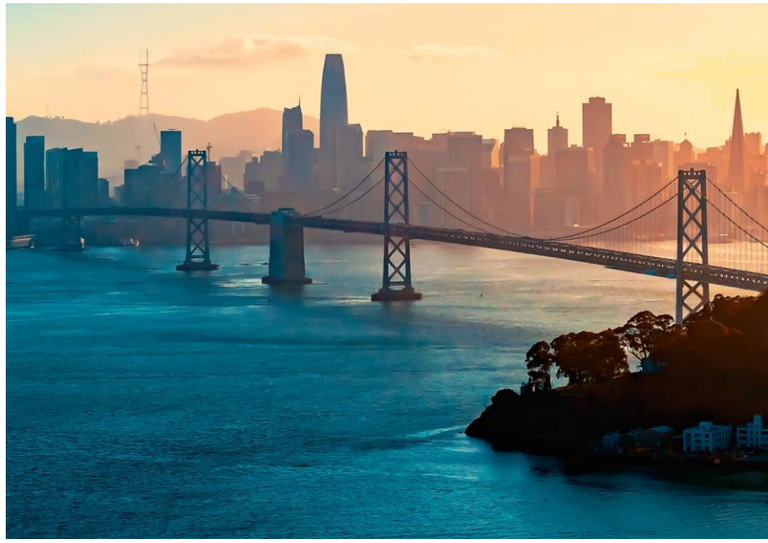
MASSING HIERARCHY
TERMINAL 2

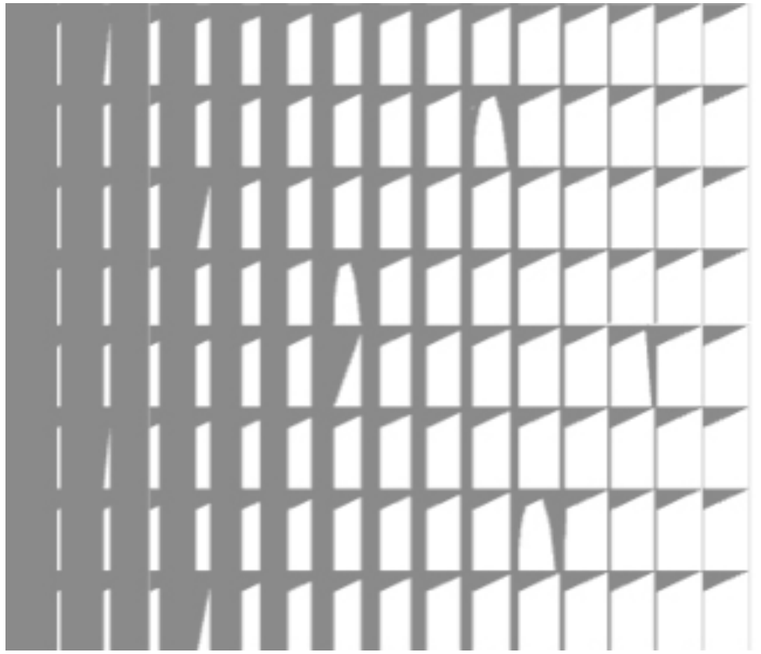
NEUTRAL EXTERIOR,
WARM INTERIOR
TERMINAL 2

CONTINUOUS CANOPY
TERMINAL 1

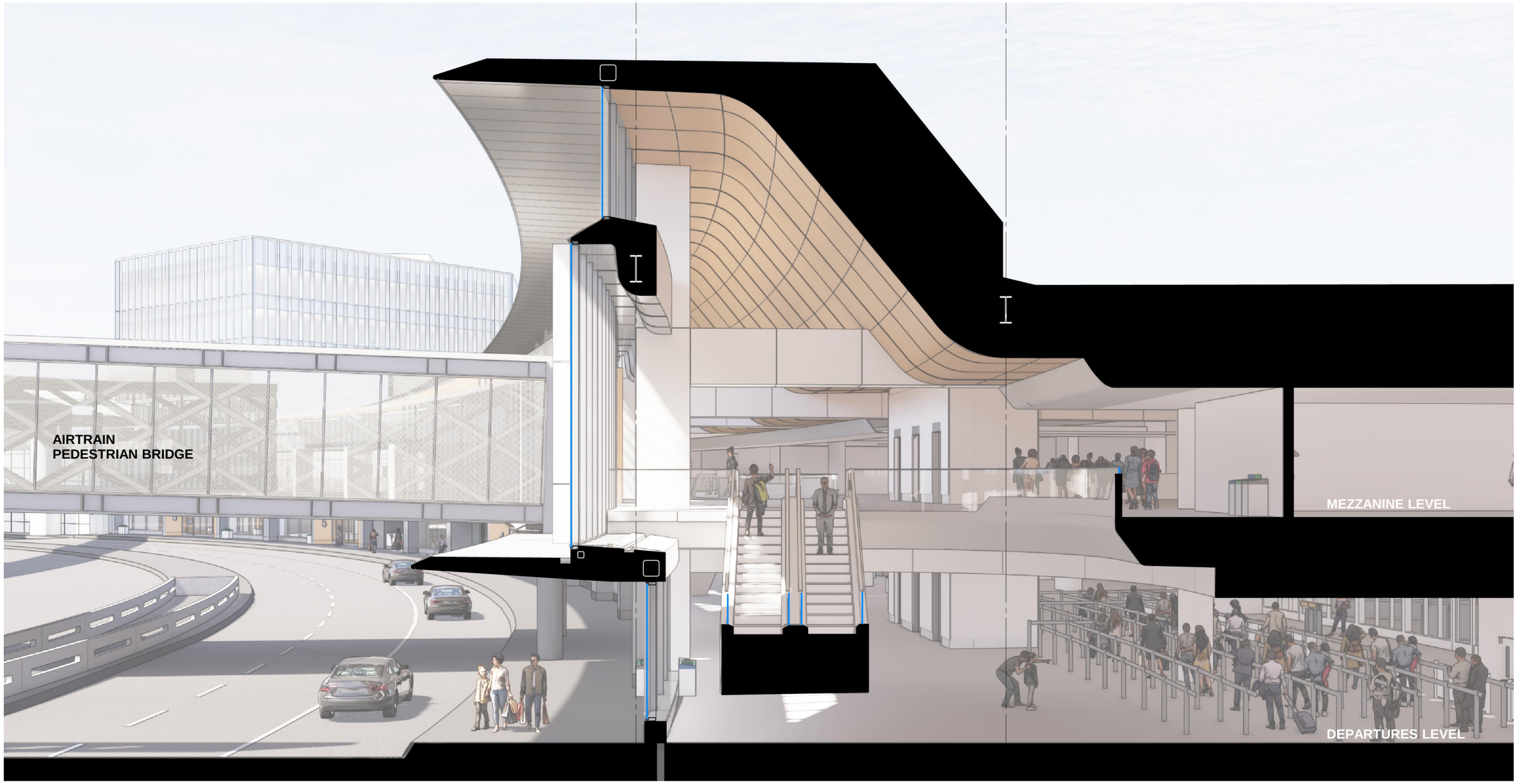
FRITTED GLASS
TERMINAL 1

Inspiration and Materiality



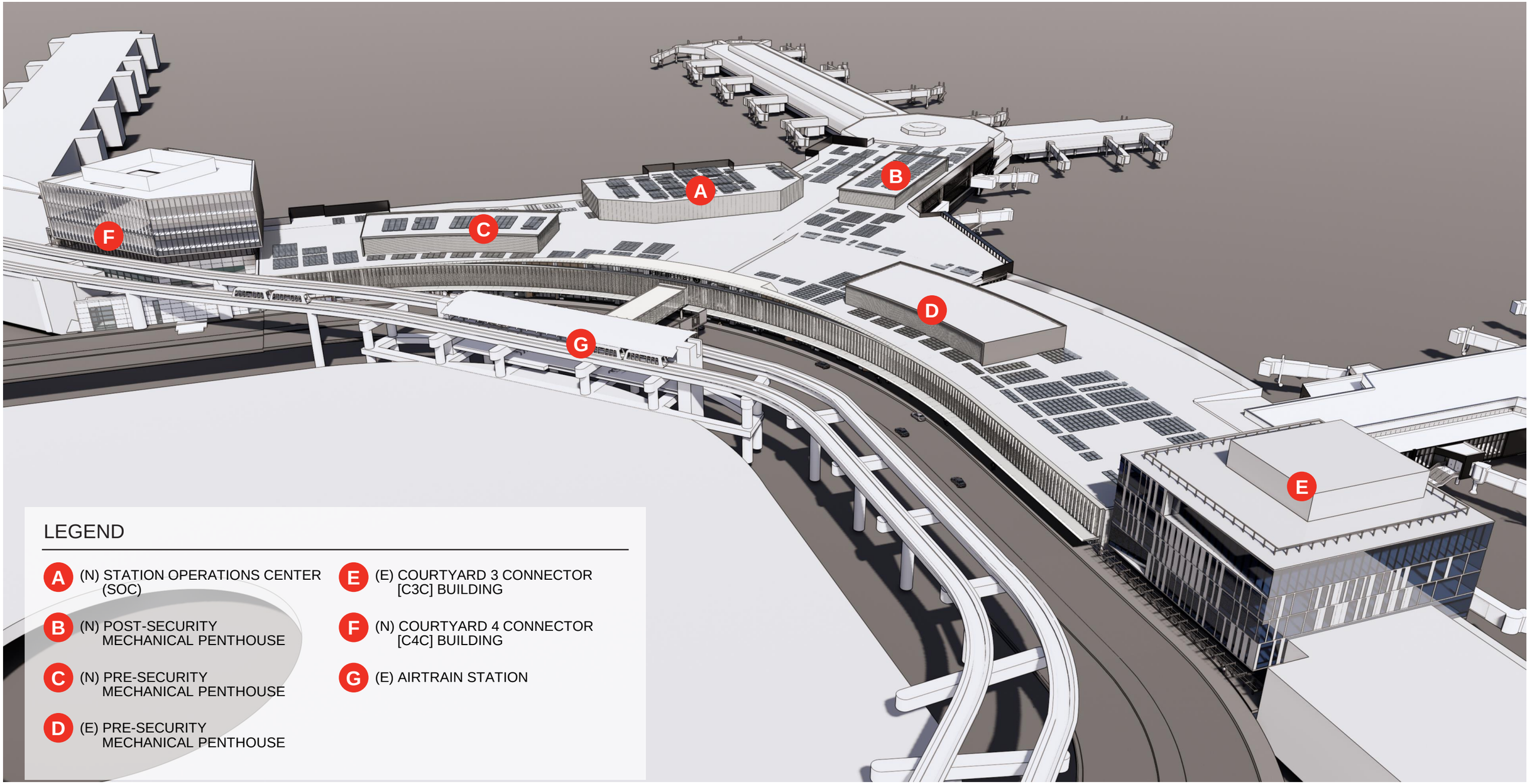


Building Section



Existing Aerial View

Proposed Aerial View

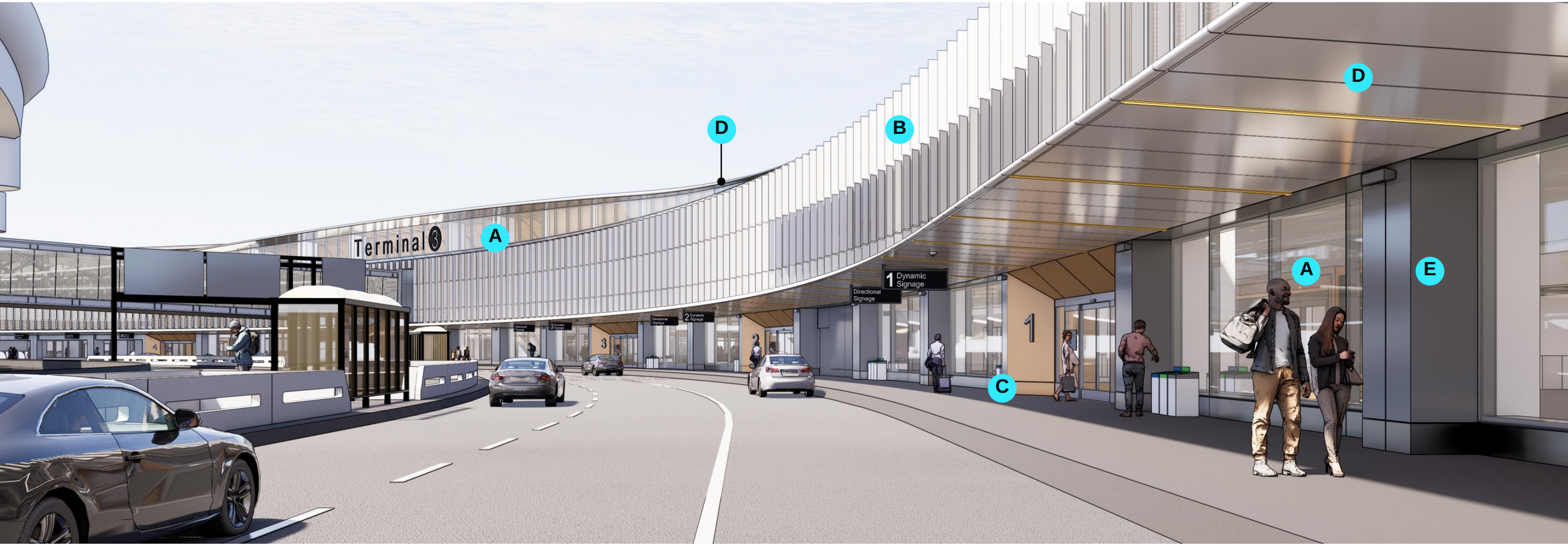


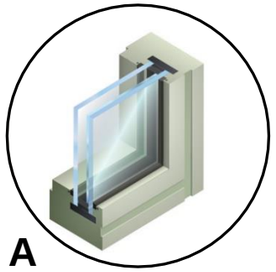
LEGEND

- A (N) STATION OPERATIONS CENTER (SOC)
- B (N) POST-SECURITY MECHANICAL PENTHOUSE
- C (N) PRE-SECURITY MECHANICAL PENTHOUSE
- D (E) PRE-SECURITY MECHANICAL PENTHOUSE
- E (E) COURTYARD 3 CONNECTOR [C3C] BUILDING
- F (N) COURTYARD 4 CONNECTOR [C4C] BUILDING
- G (E) AIRTRAIN STATION

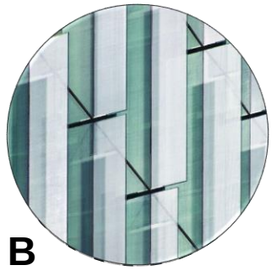
Existing Vehicular Approach

Canopy Study 1



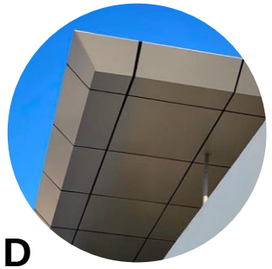


A
LOW-E COATED GLAZING



B
PAINTED ALUMINUM SHADING FINS

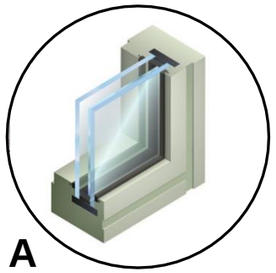
C
PAINTED ALUMINUM ENTRIES



D
METAL PANEL CANOPY

E
RAINSCREEN METAL PANEL SYSTEM

Proposed Elevation



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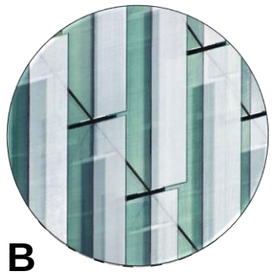

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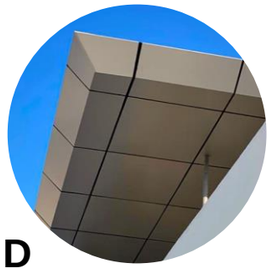

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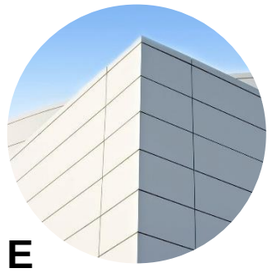
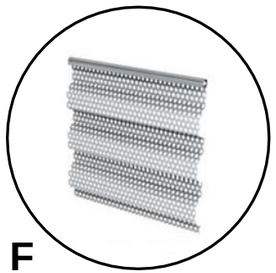
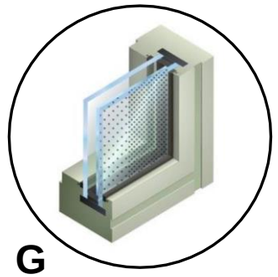
METAL PANEL CANOPY



E
RAINSCREEN METAL PANEL SYSTEM

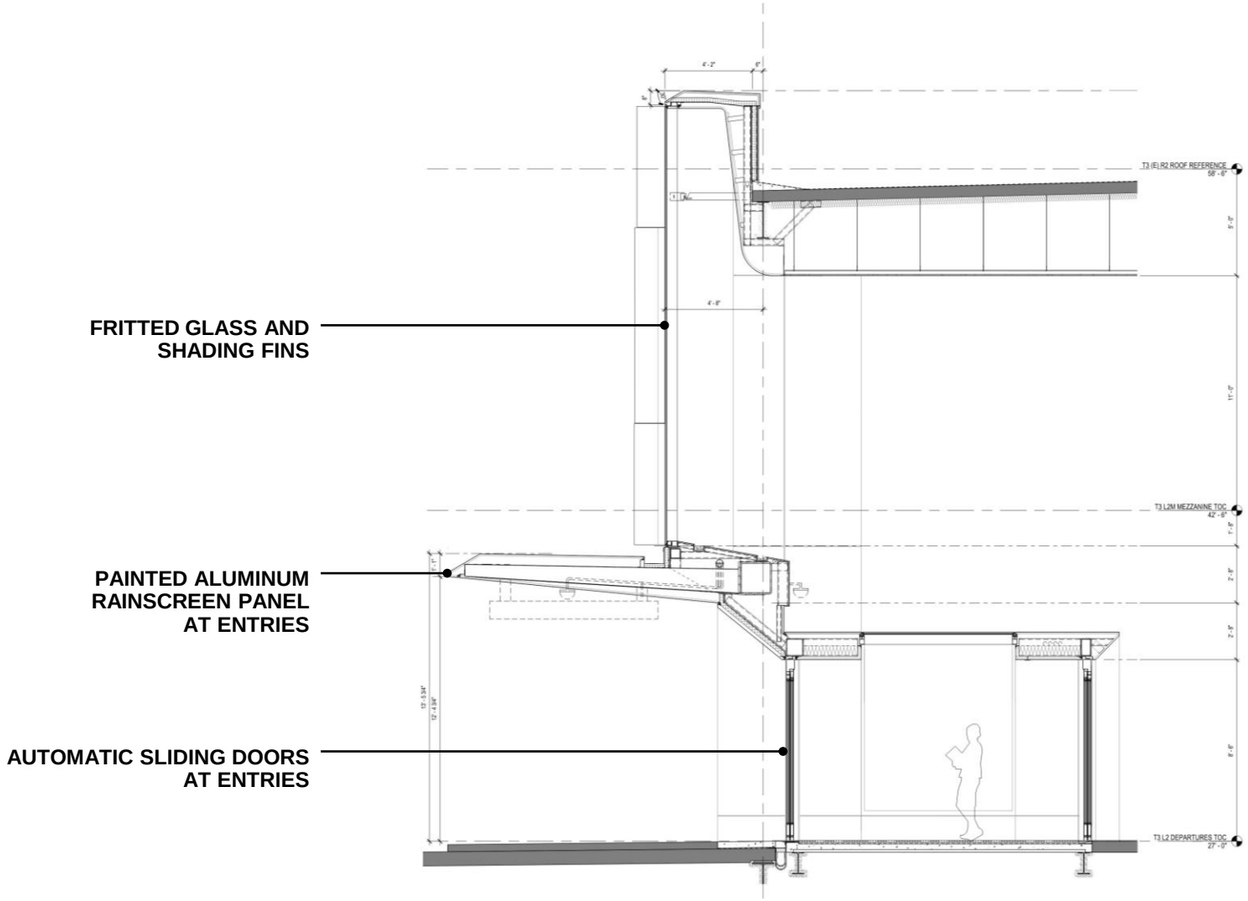


F
PERFORATED CORRUGATED METAL

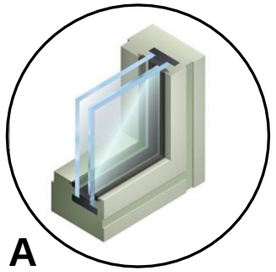


G
GRADIENT FRITTED GLASS

Landside Façade System Design



Proposed Elevation



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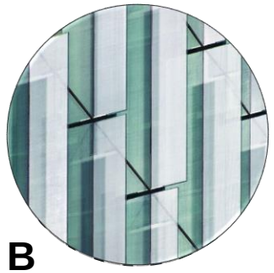
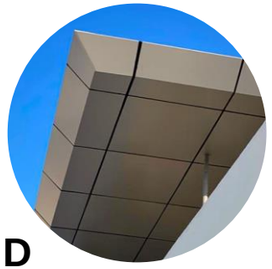


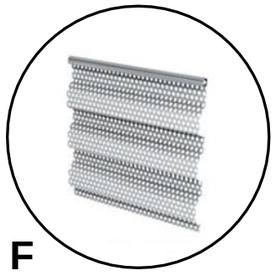
B
PAINTED ALUMINUM SHADING FINS

C
PAINTED ALUMINUM ENTRIES



D
METAL PANEL CANOPY

E
RAINSCREEN METAL PANEL SYSTEM



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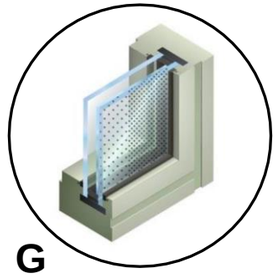
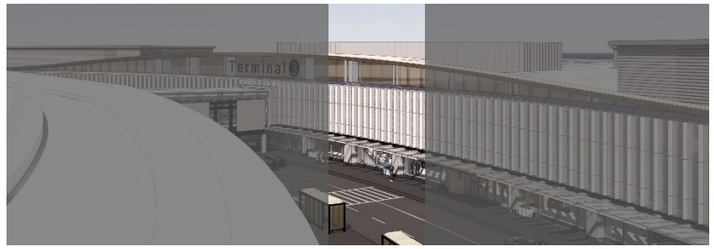
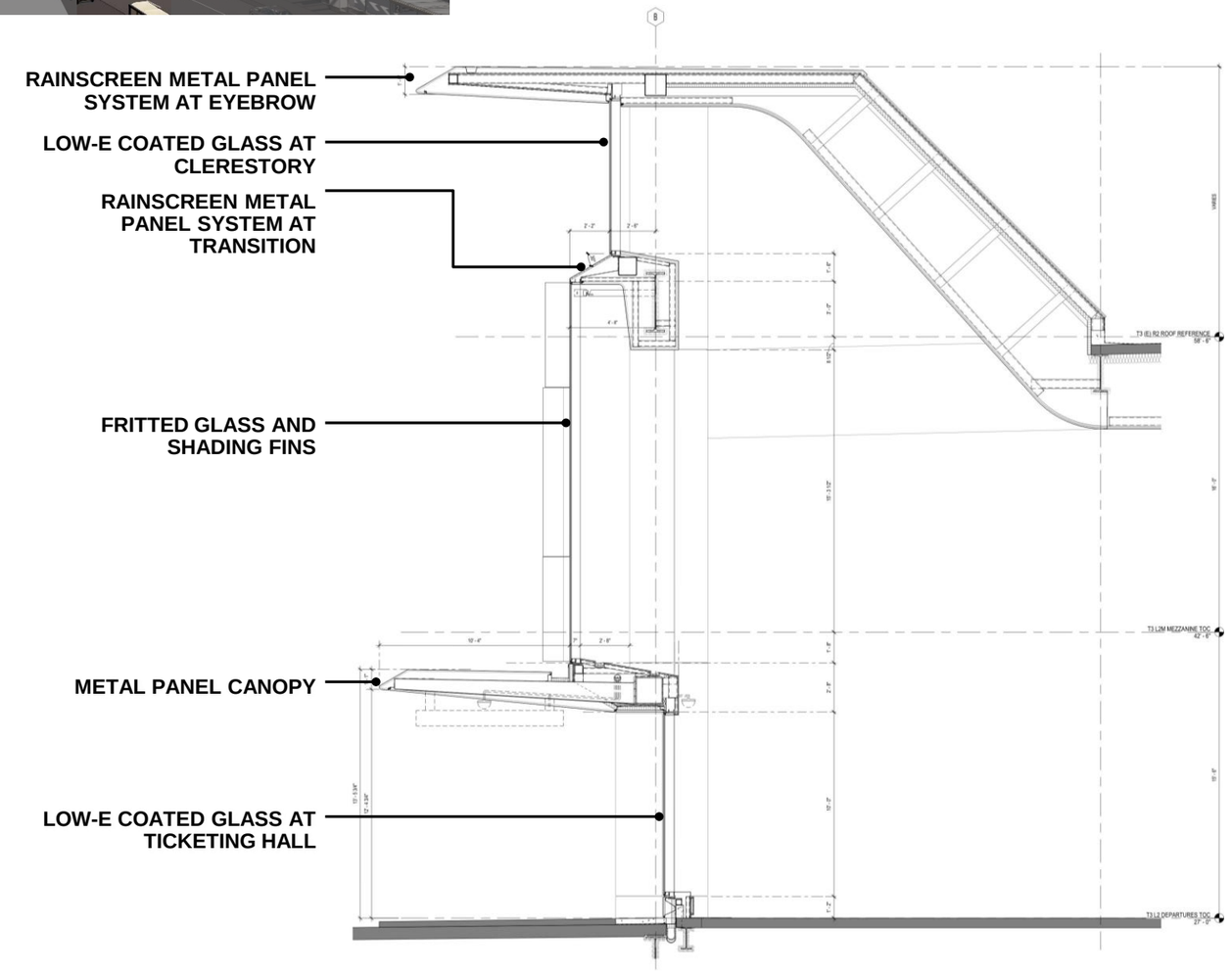
PERFORATED CORRUGATED METAL



G
GRADIENT FRITTED GLASS

Landside Façade System Design

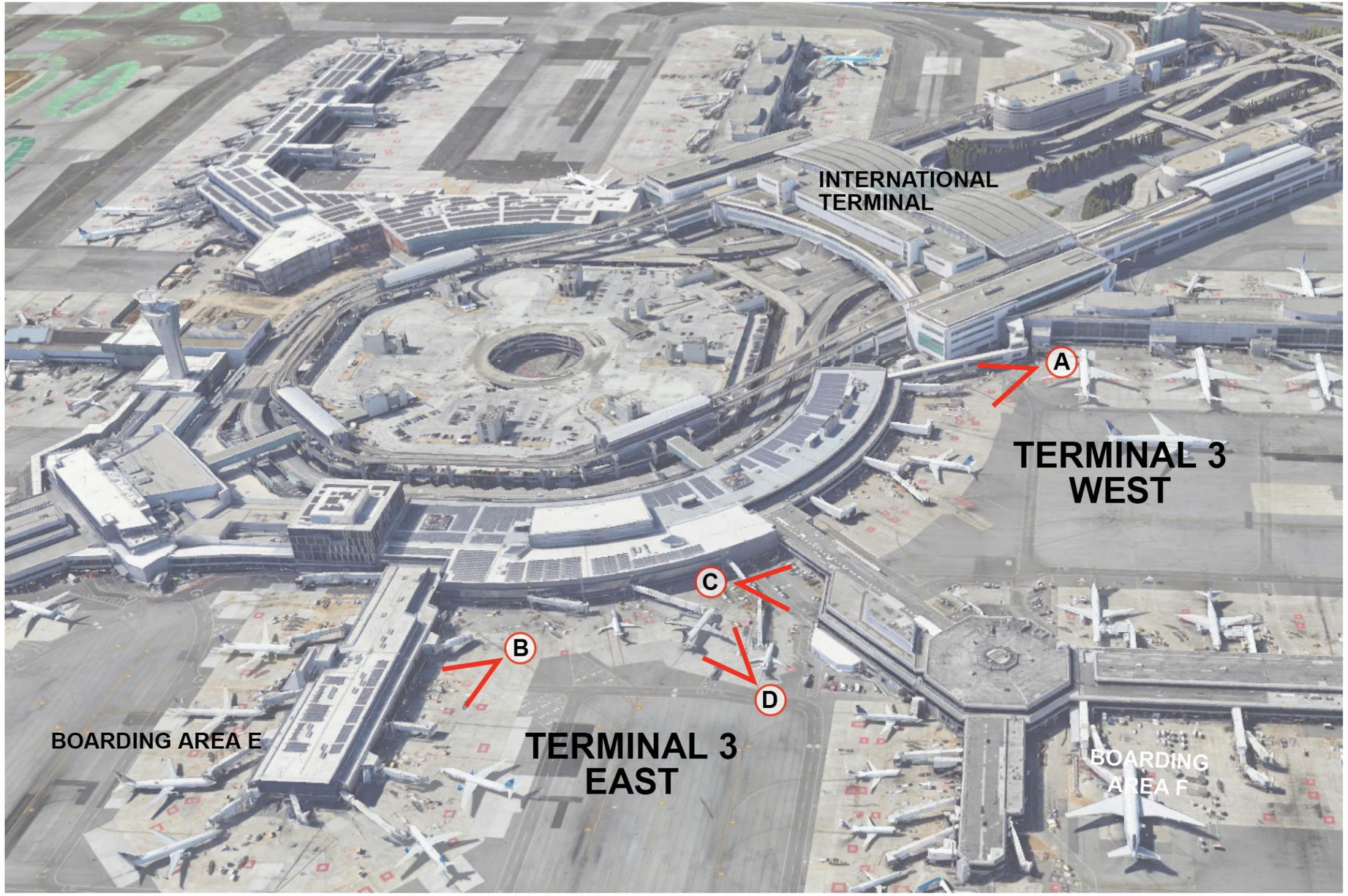




PART C

Airside Façade

Existing Airside Aerial & Context



APPROVED TERMINAL 3 WEST FACADE

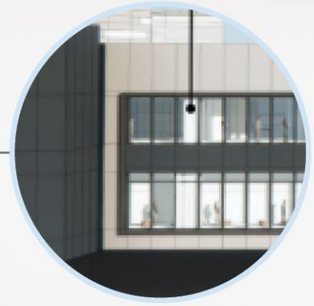
BOARDING AREA 'E'

EXISTING STATIONS OPERATIONS CENTER (SOC)

EXISTING TERMINAL 3 EAST FACADE

Existing Airside Architectural Languages

DARK METAL FRAME + VERTICAL FIN
GLASS
LIGHT GREY METAL PANEL



DARK METAL FRAME + VERTICAL FIN
GLASS + DARK METAL SPANDREL
LIGHT GREY METAL PANEL

CHAMFERED METAL BROW
GLASS + SHADOWBOX

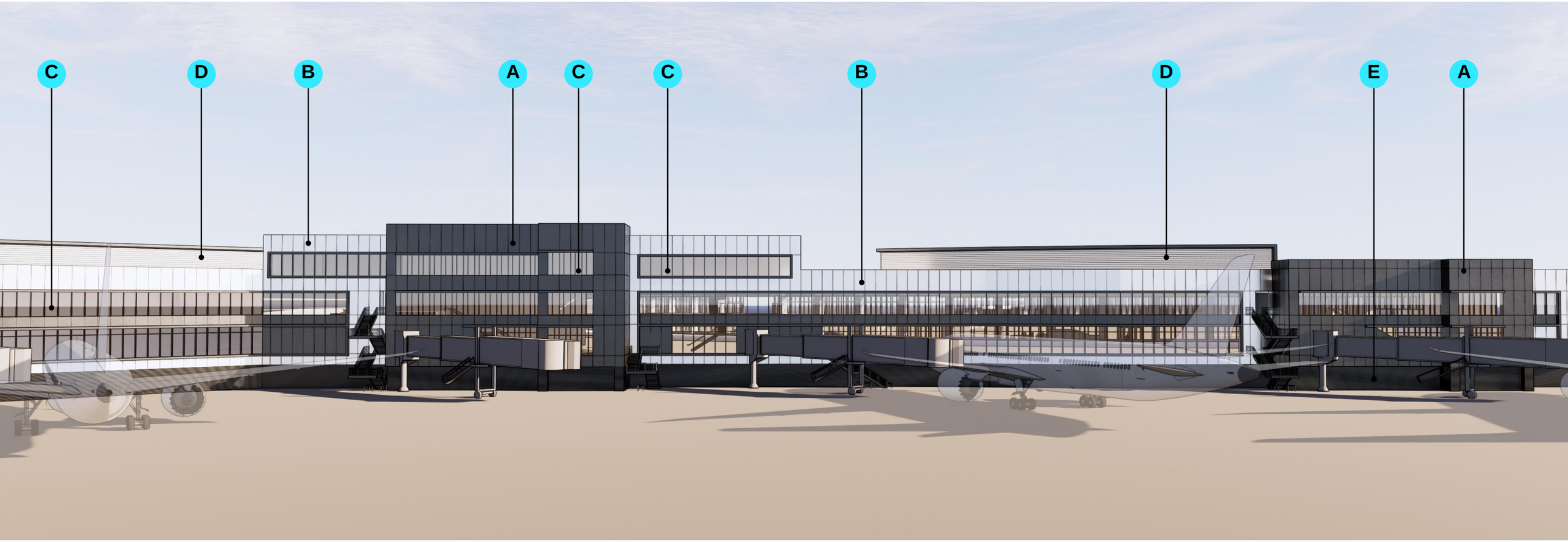
DARK METAL FRAME + VERTICAL FIN
GLASS + SHADOWBOX
LIGHT GREY METAL PANEL

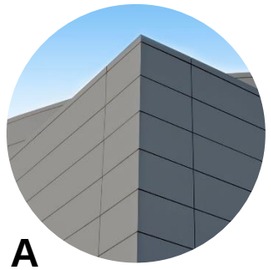
BOARDING AREA FACADE

COMMON AREA/ AMENITY AREA FACADE

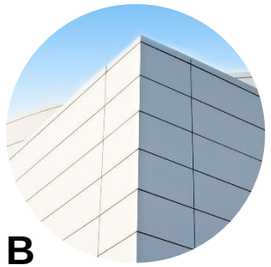
LANDSIDE FACADE

Proposed Terminal 3 East Airside View

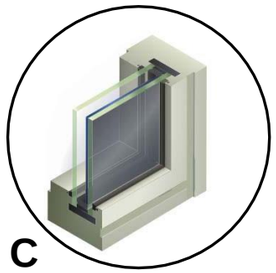




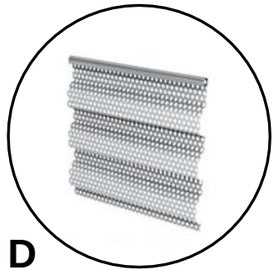
A
RAINSCREEN METAL PANEL SYSTEM (ACCENT)



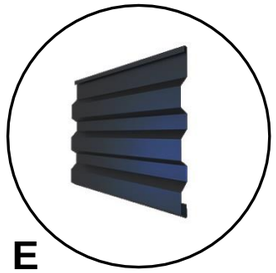
B
RAINSCREEN METAL PANEL SYSTEM (FIELD)



C
ELECTROCHROMIC GLAZING

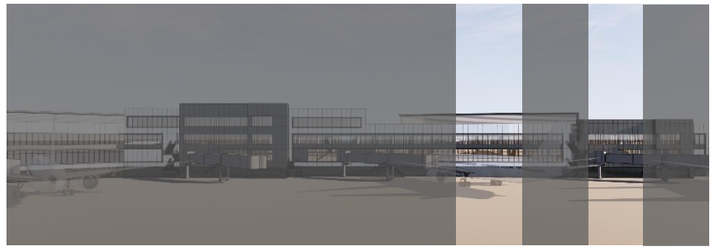


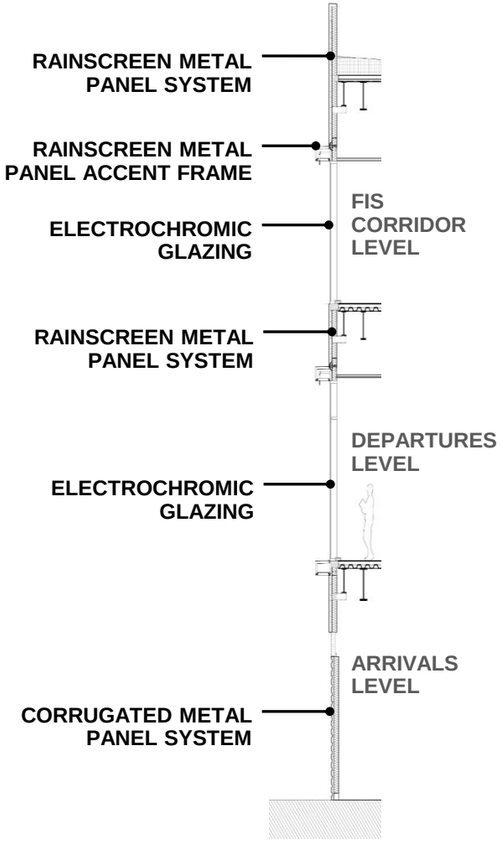
D
PERFORATED CORRUGATED METAL

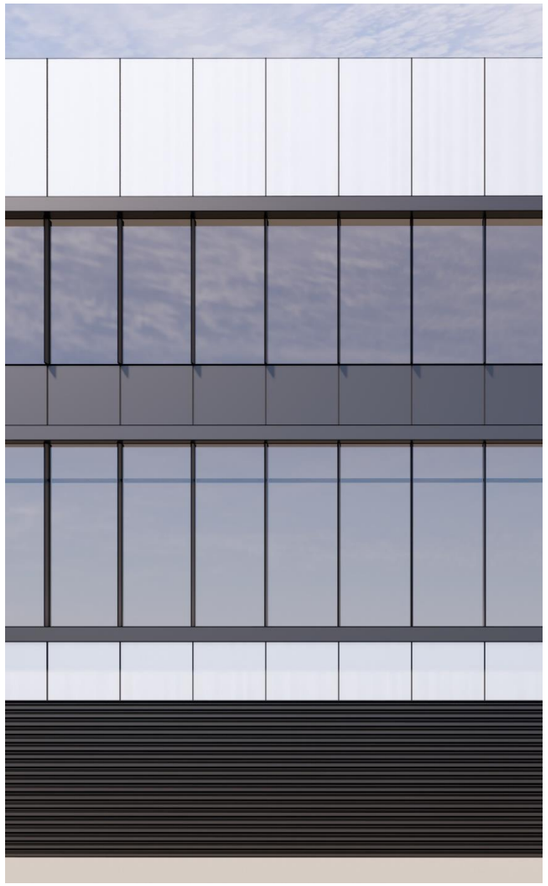


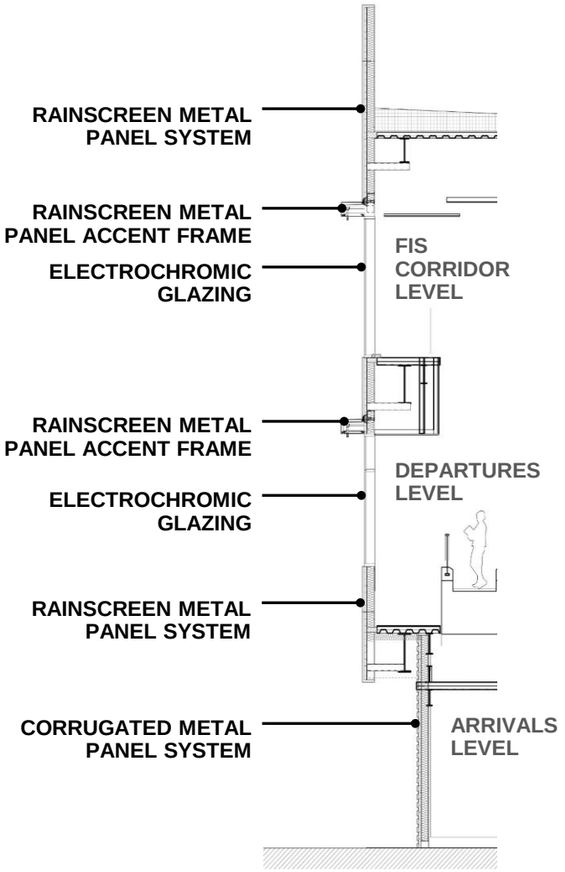
E
CORRUGATED METAL (DARK)

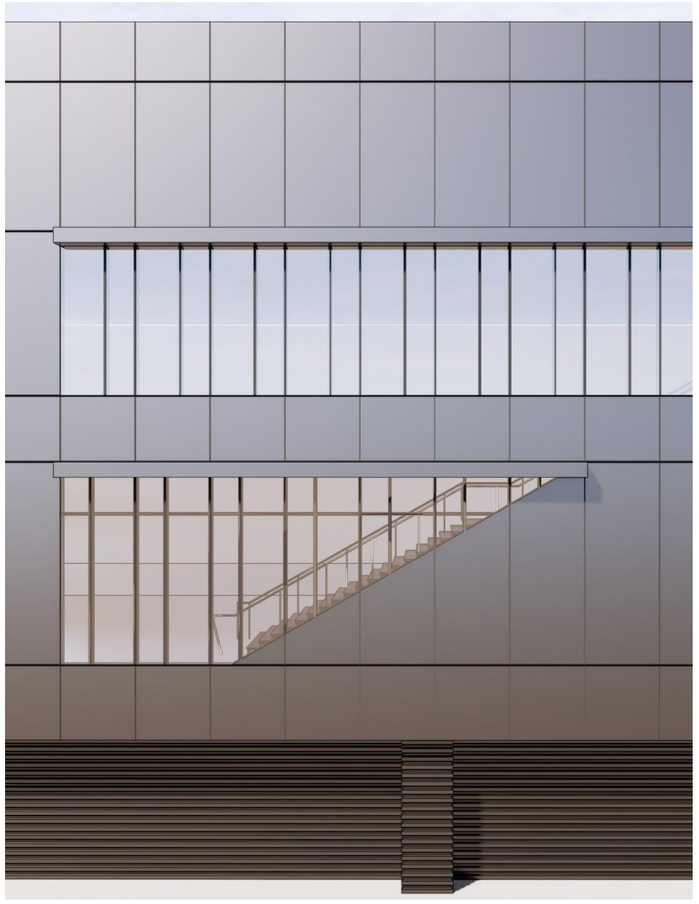
Airside Façade System Design



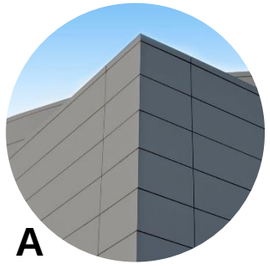




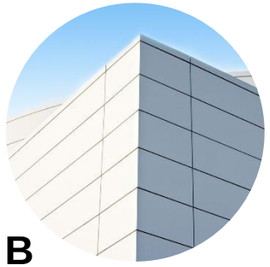




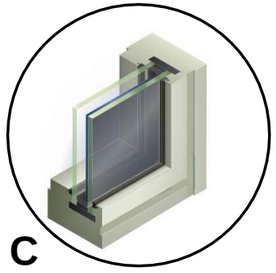
Proposed Terminal 3 East Airside View



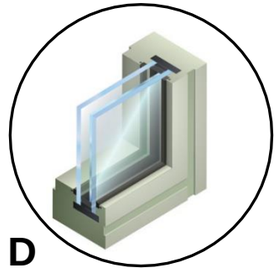
A
RAINSCREEN METAL PANEL SYSTEM (ACCENT)



B
RAINSCREEN METAL PANEL SYSTEM (FIELD)



C
ELECTROCHROMIC GLAZING



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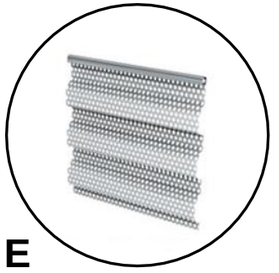
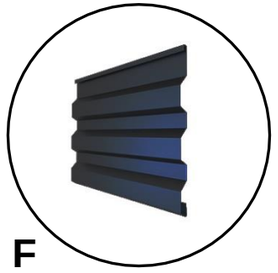
LOW-E COATED GLAZING

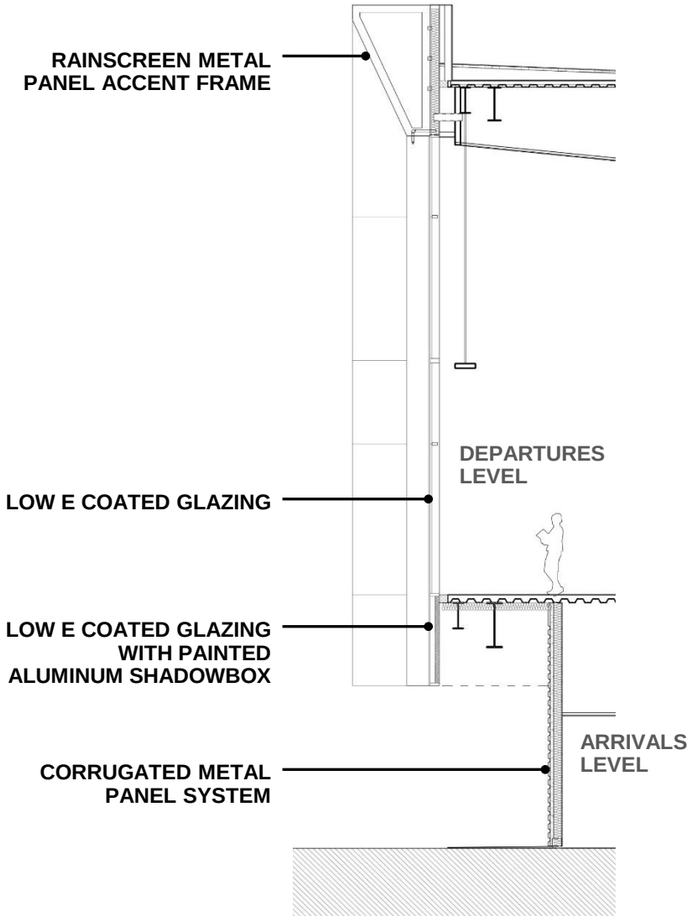


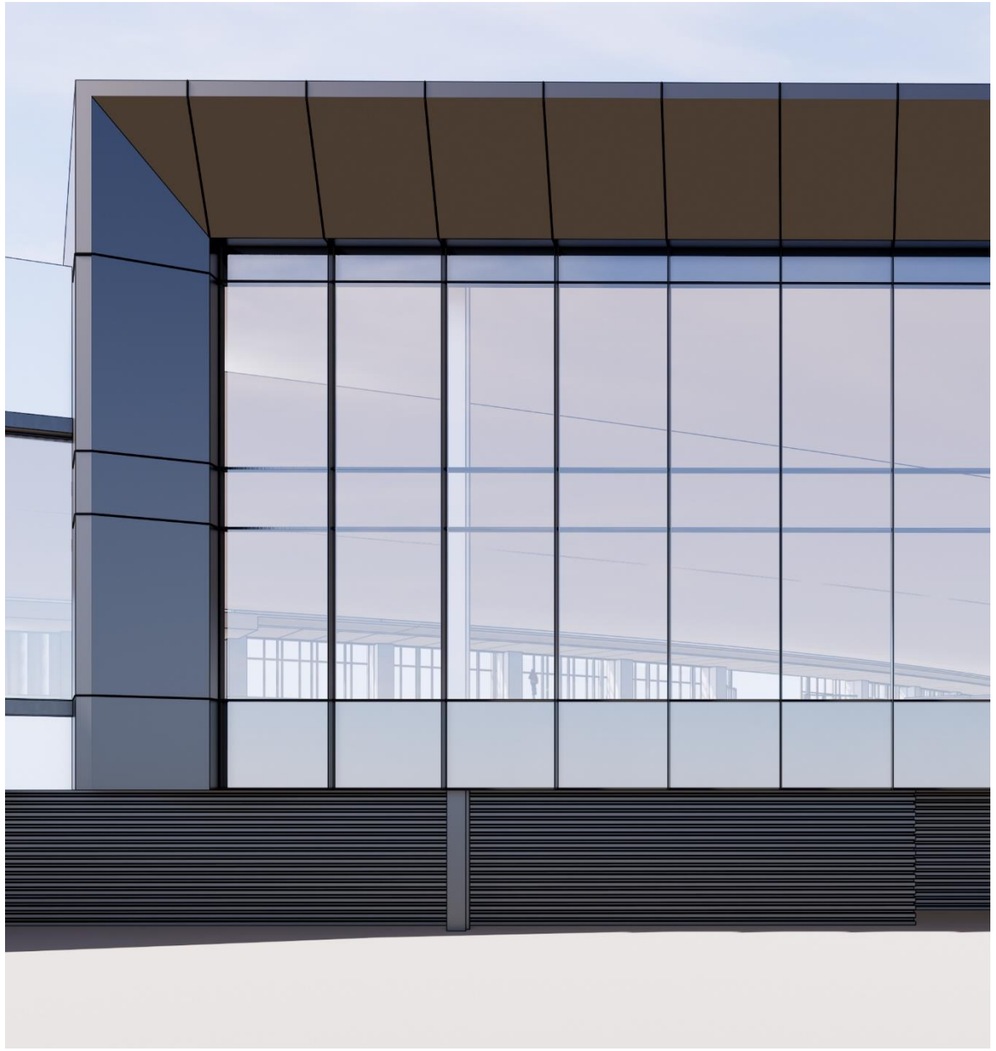
E
PERFORATED CORRUGATED METAL



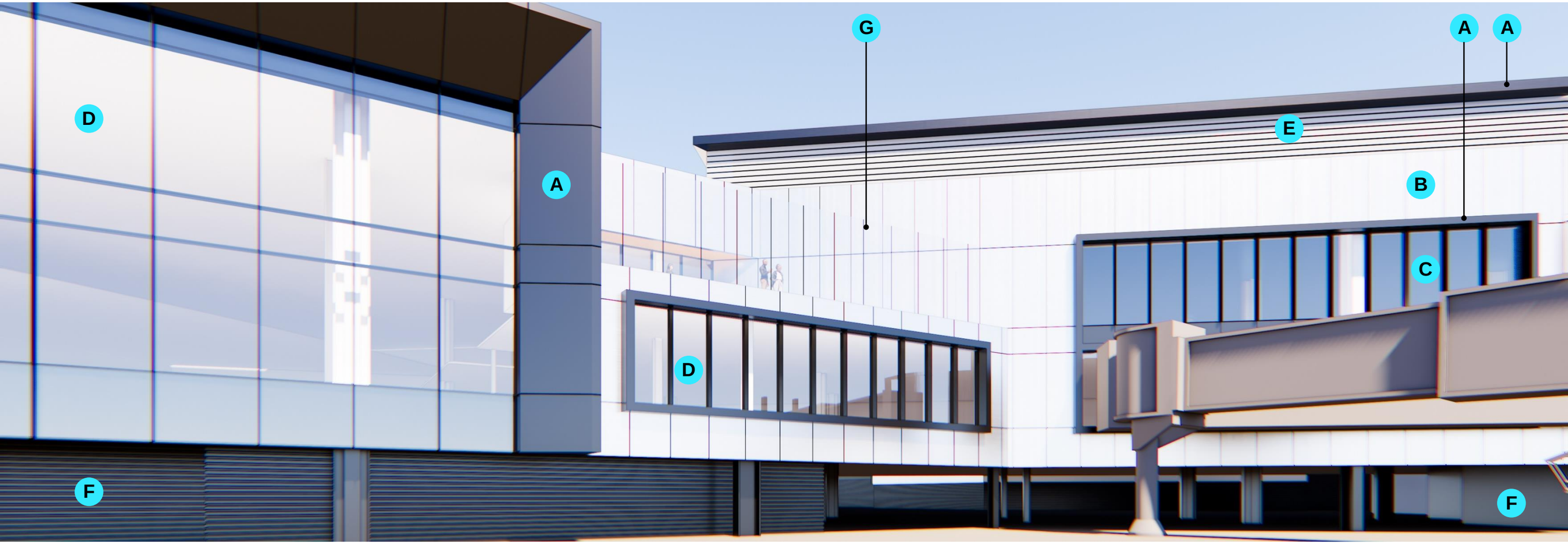
F
CORRUGATED METAL (DARK)

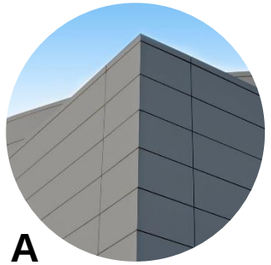
Airside Façade System Design



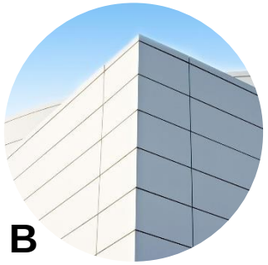


Proposed Terminal 3 East Airside View

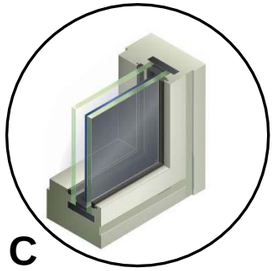




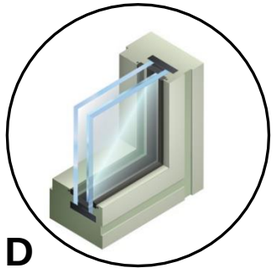
A
RAINSCREEN METAL PANEL SYSTEM (ACCENT)



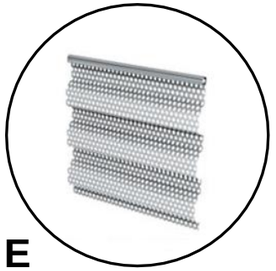
B
RAINSCREEN METAL PANEL SYSTEM (FIELD)



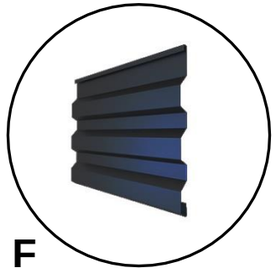
C
ELECTROCHROMIC GLAZING



D
LOW-E COATED GLAZING



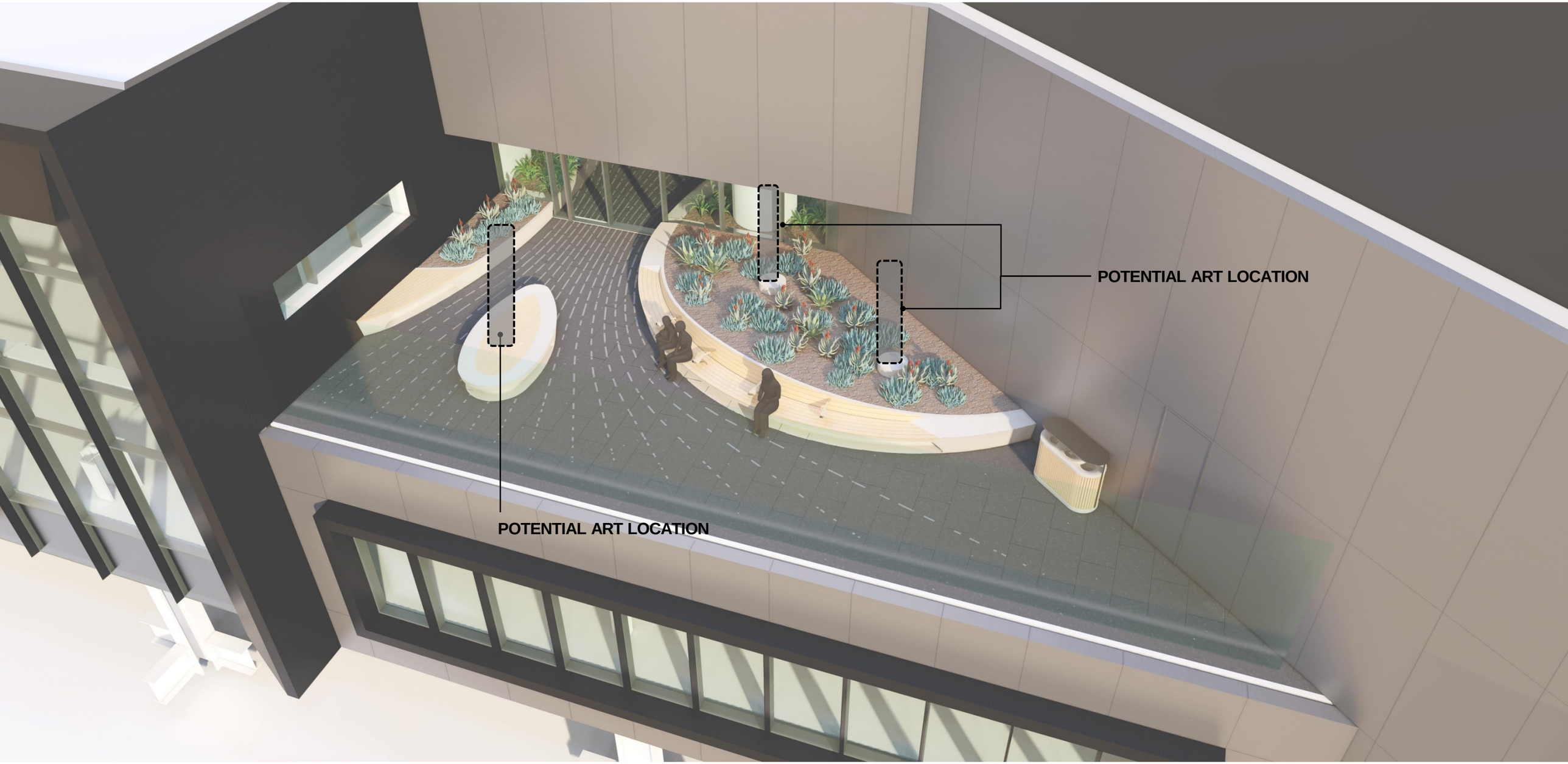
E
PERFORATED CORRUGATED METAL



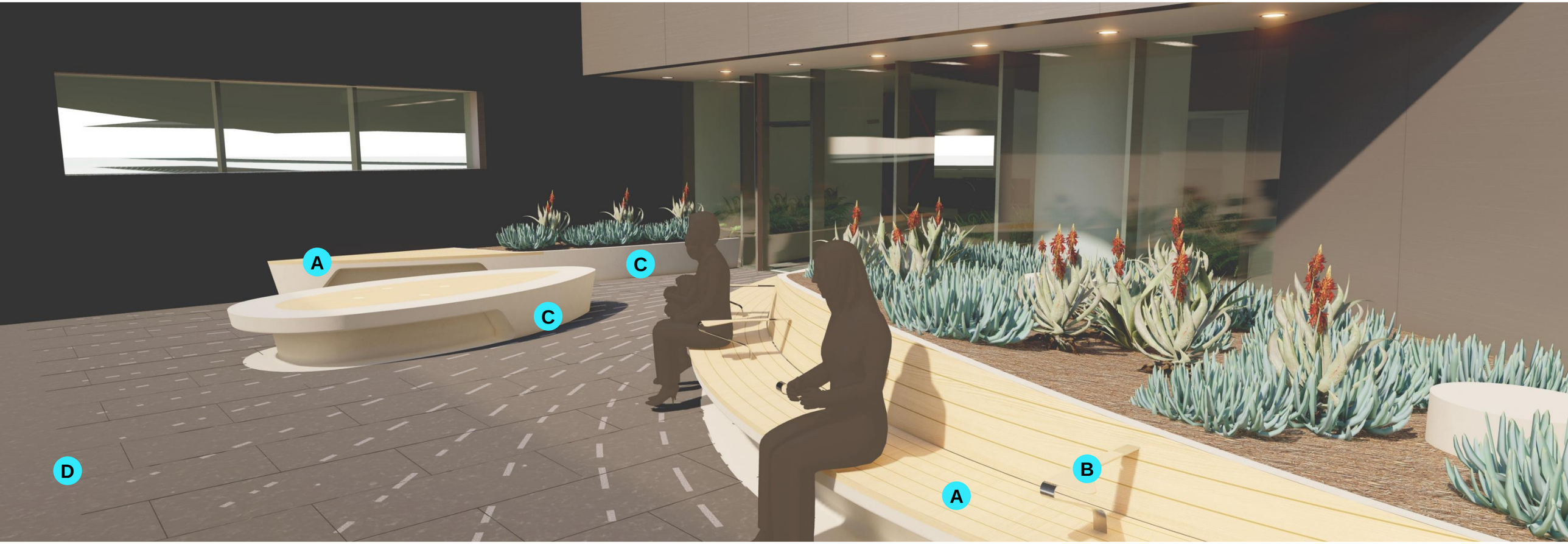
F
CORRUGATED METAL (DARK)

G
FRAMELESS GLASS GUARDRAIL

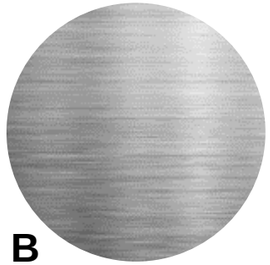
Exterior Terrace



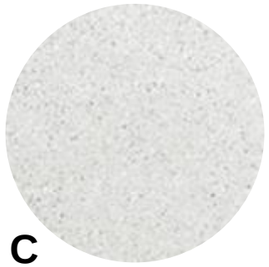
Exterior Terrace



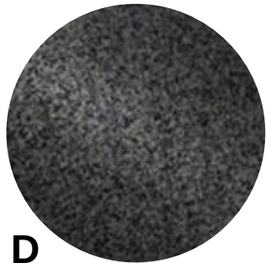
A
THERMALLY MODIFIED WOOD SEATING



B
STAINLESS STEEL ARMRESTS

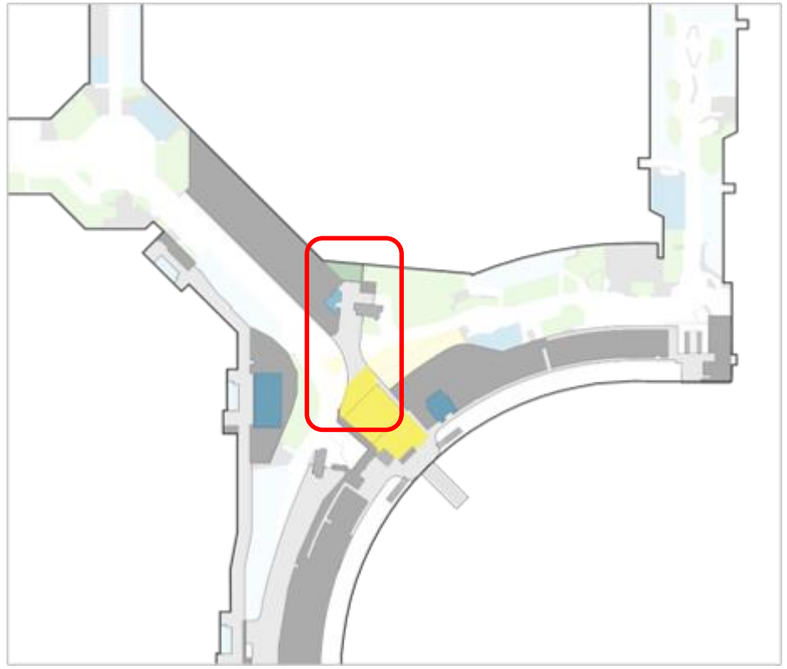


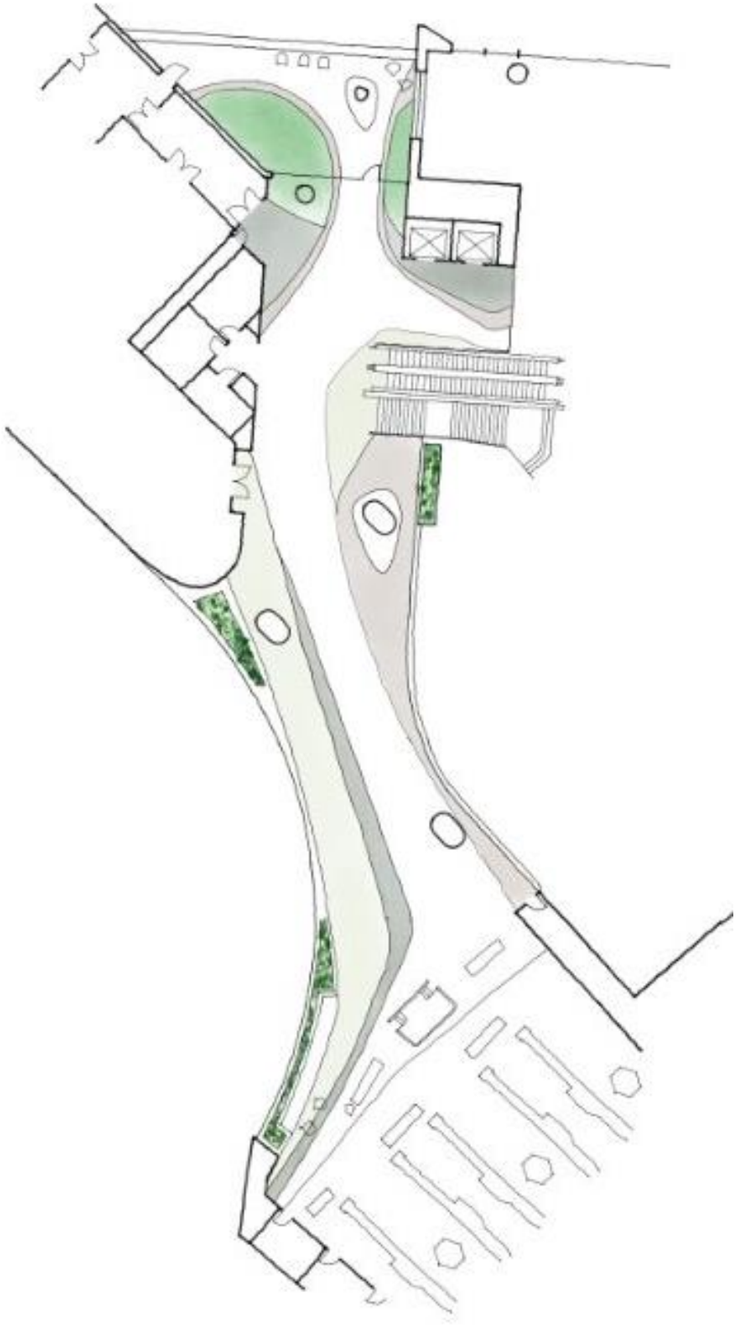
C
GLASS FIBER REINFORCED CONCRETE



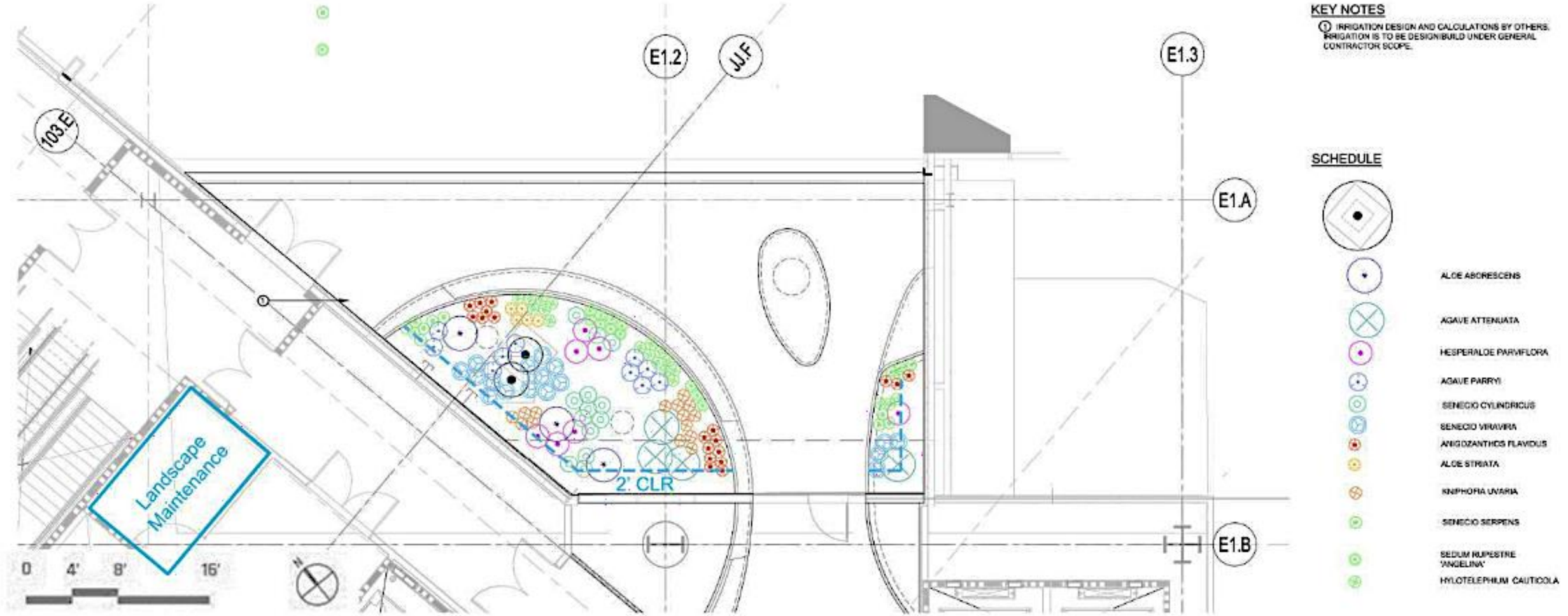
D
BLACK GRANITE PAVING

Approach from Mezzanine





Exterior Terrace Plan



Exterior Terrace Plantings & Materials

Planting Palette

Agave attenuata 'boutin blue'
Boutin Blue Foxtail Agave

Aloe arborescens
Torch Aloe

Hesperaloe parviflora
Red Yucca

Senecio vitalis
Narrow-Leaf Chalksticks

Aloe striata
Coral Aloe

Anigozanthos rufus
Kangaroo Paw

Agave parryl
Parryl's Agave

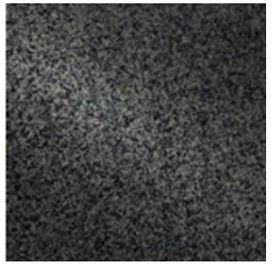
Senecio viravira
Dusty Miller

Senecio serpens
Blue Chalksticks

Hylotelephium Cauticola
Cliff Stonecrop

Sedum repestre 'Angelina'
Crooked Yellow Stonecrop

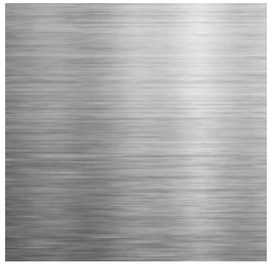
Materials Palette



Paving
Academy Black Granite

Planter Walls
Glass Fiber Reinforced Concrete

Seating Benches
Thermally
Modified Wood



Bench Armrests
Stainless Steel

Thank you

SFO

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