Civic Design Review

Terminal 3 West Modernization

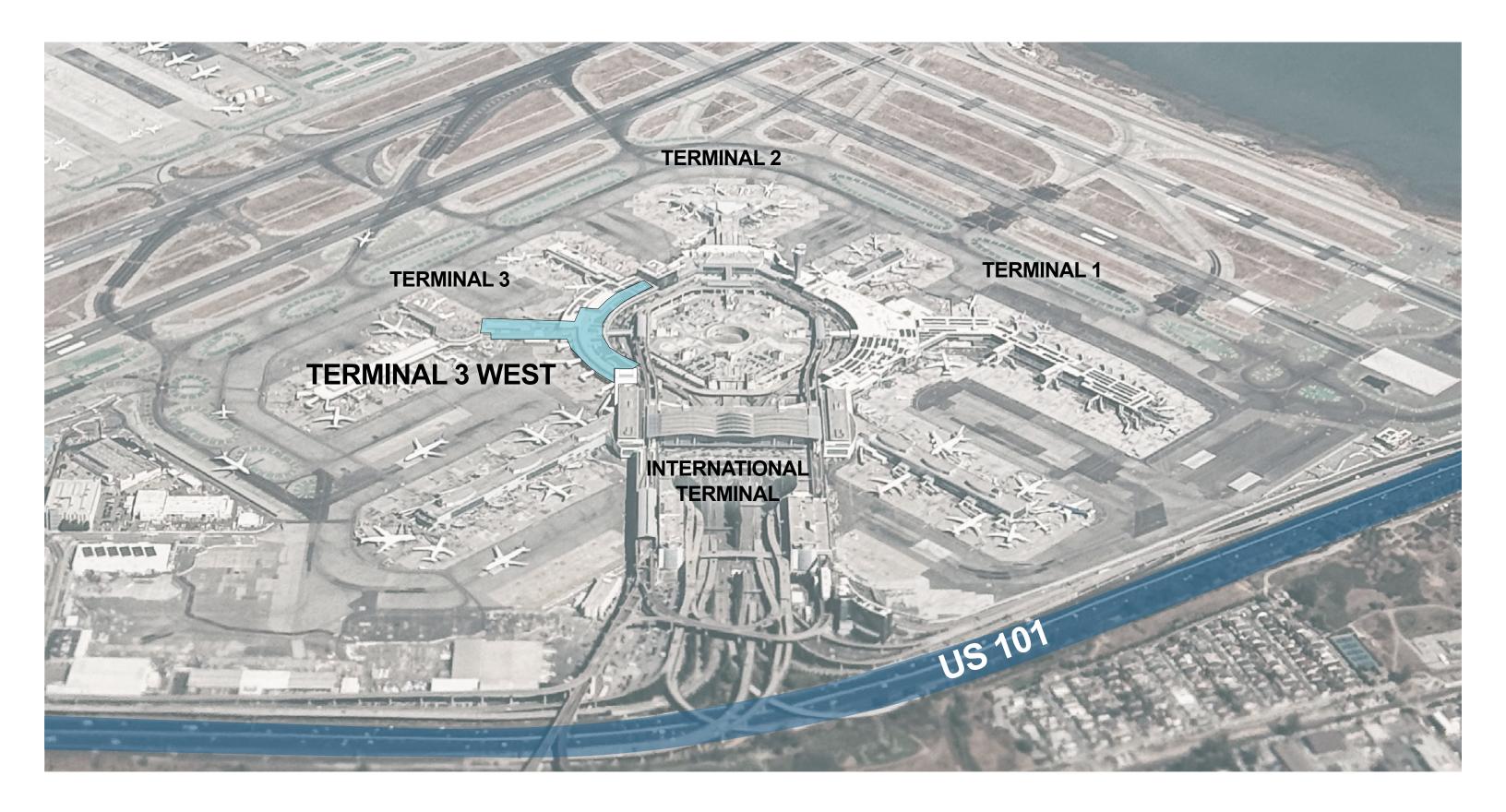
EXTERIOR FACADES

SCHEMATIC DESIGN | PHASE 1



Contents

- A Project Background / Goals
- **B** Existing Conditions / Context
- C Context / Massing Components
- D Facade Goals / Principles
- E Facade Solar / Glare Analysis



What we heard...

1

Create a more visually cohesive SFO.

2

Terminal 3 should closely relate to Harvey Milk Terminal 1 with both terminals emphasizing the roadway curve.

3

Can rooftop Stations
Operations Center be
better integrated into
curved theme or be more
harmonious in massing?

4

Avoid visually heavy box for the AirTrain bridge connection to the terminal, similar to Harvey Milk Terminal 1, which breaks up the emphasis of the roadway curve.

5

Consider art and how it could reinforce architecture and interiors of Terminal 3.

6

Consider how central security area impacts vehicular congestion & ensure it doesn't exacerbate issues.

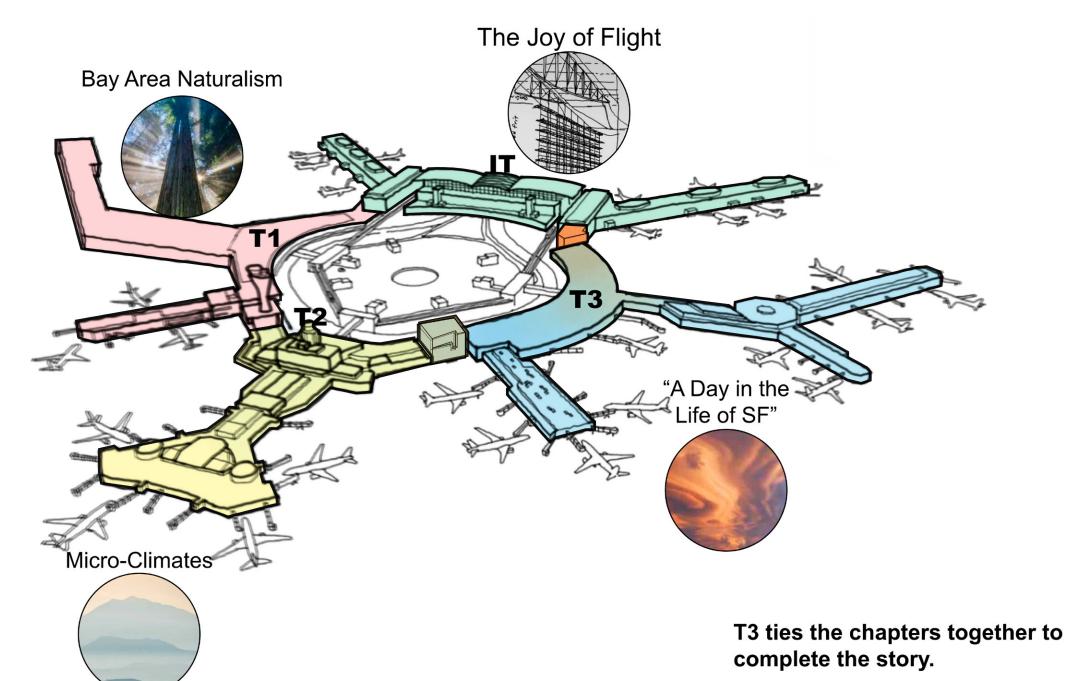
7

Details and materials are important to reinforce the roadway curve.

SFO Airport Context

Terminal Identity

Like the spokes of a key ring, Terminal 3 continues the masterplan hierarchy that allows the International Terminal to remain as the "Jewel" of the Airport and primary in Architectural importance. The design builds upon the existing context that Terminal 3's previous capital improvements have created while improving wayfinding, circulation, clear entrance points, and identity as a distinct "key" to the other terminals.











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A Day in the Life of San Francisco











LANDSIDE FACADE CONCEPT

Reflecting different stages of light throughout the day and into the evening

Landside Facade Project Goals



Human Experience

- Visual acuity both in & out
- Intuitive wayfinding
- Occupant comfort



Climatic Performance

- Tuned solar / glare control
- Thermal comfort
- Wind
- Rain / weather protection



Context

- Look and Feel—
 fitting within
 SFO campus but
 having unique
 terminal identity
- Architecture intuitively aids in alleviating vehicular congestion



Operations

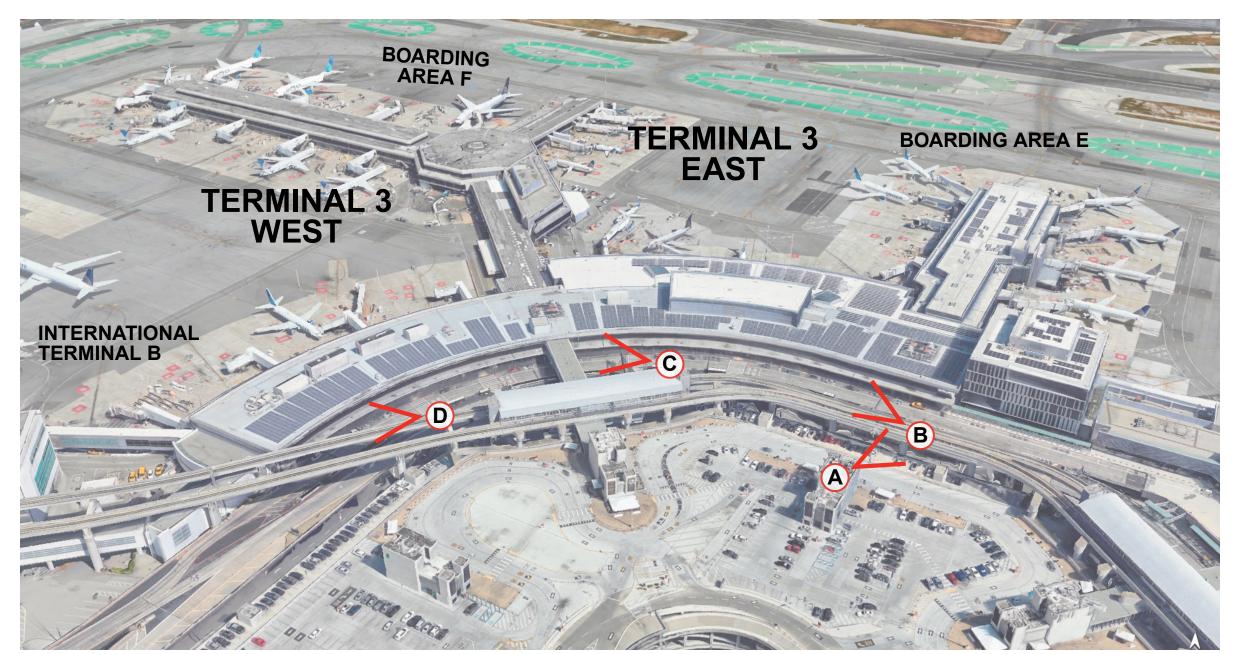
- Reduce reliance on electric lighting
- Reduce curbside obstacles
- Right-size vestibules
- Curbside baggage drops
- Universal access



Maintenance

- Cleaning / Lifespan
- Security
- Bird Safety

Existing Landside Aerial & Context





A COURTYARD 3 BUILDING



B TERMINAL 3



C TERMINAL 3 / AIRTRAIN BRIDGE

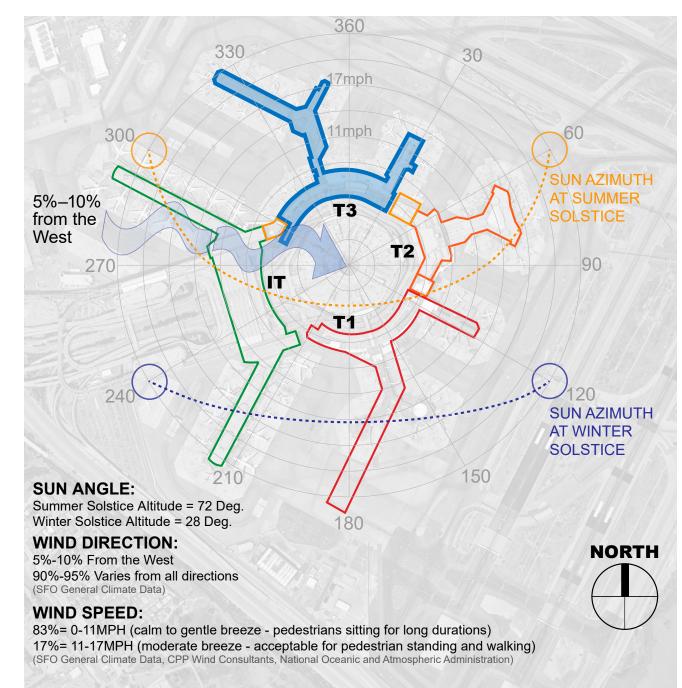


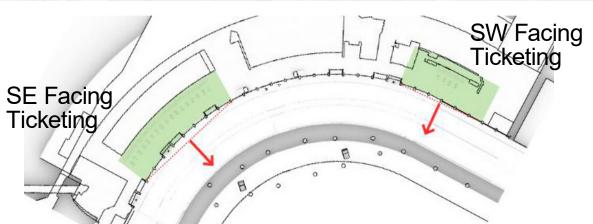
D TERMINAL 3 END

Existing Landside Exterior Considerations

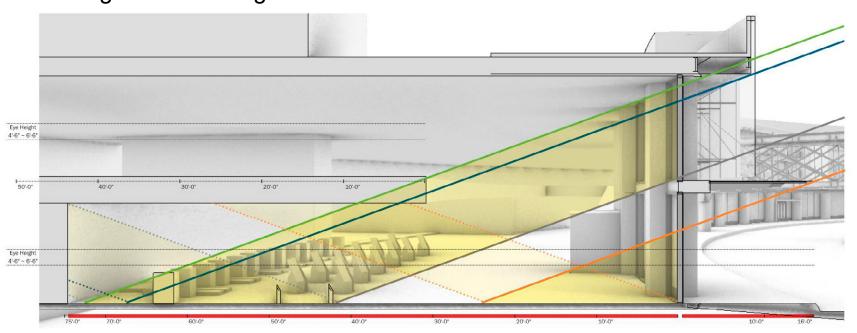


Landside Exterior Expression Solar / Glare Analysis





20 Degree Profile Angle



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

×

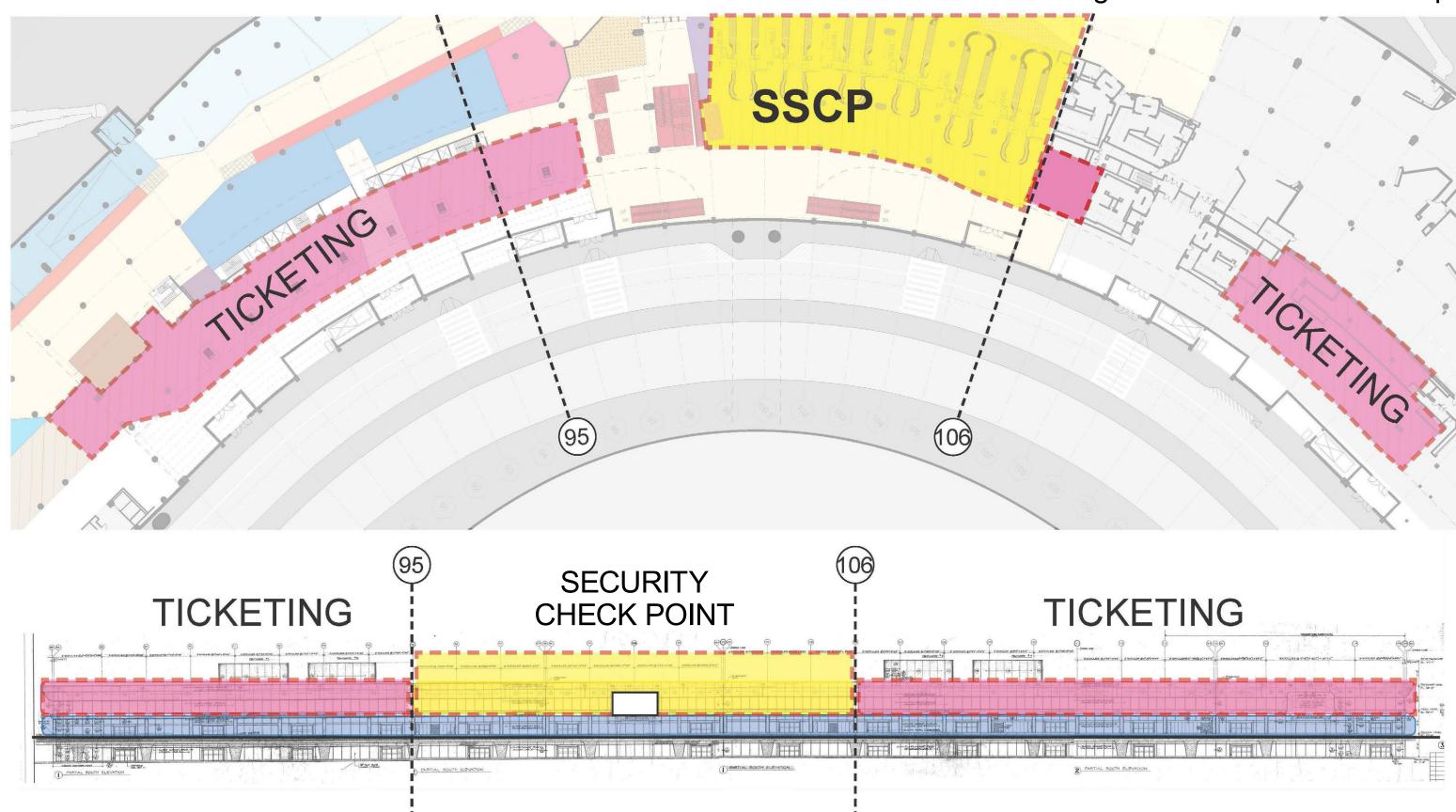
Glare from the disk of the sun remains. Maintaining clear glass for ground floor transparency, and glare from the floor reflections remains.



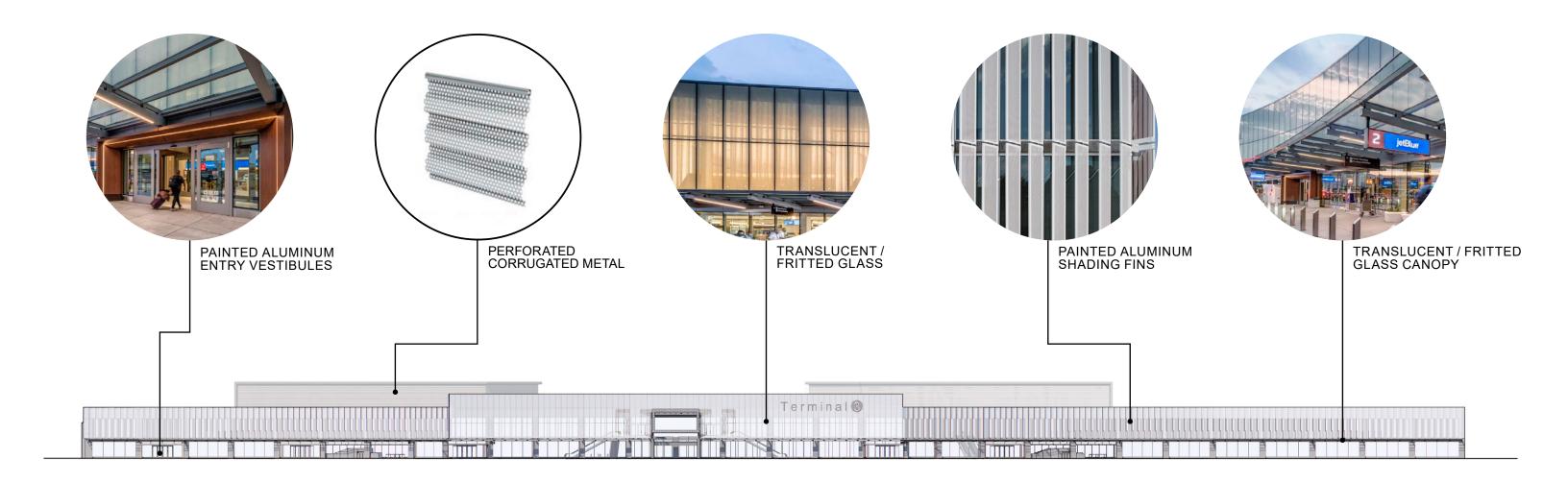
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DGP = 0.89 / INTOLERABLE

Design Parameters Program + Facade Relationship



Design Parameters Program + Facade Relationship

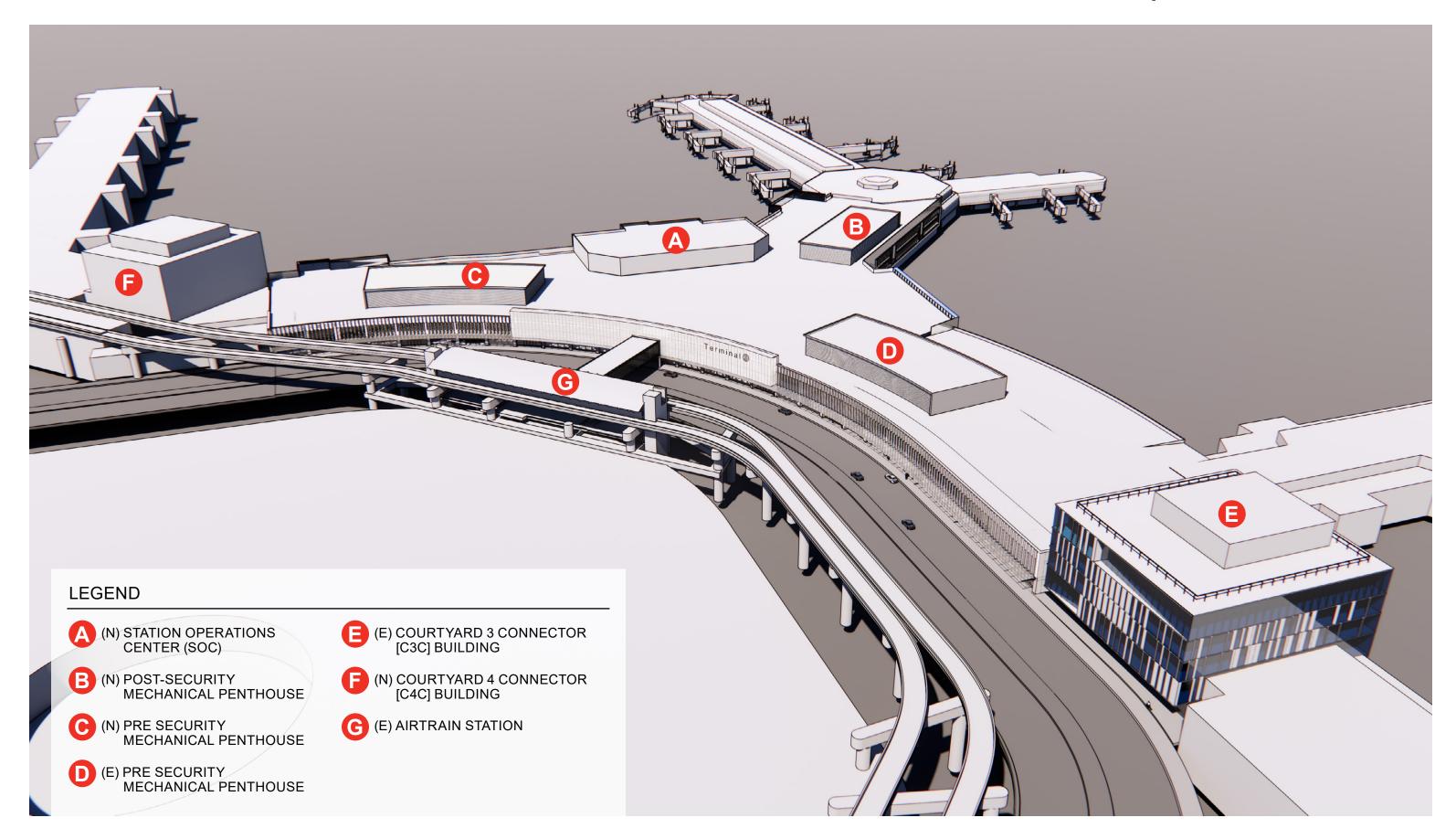




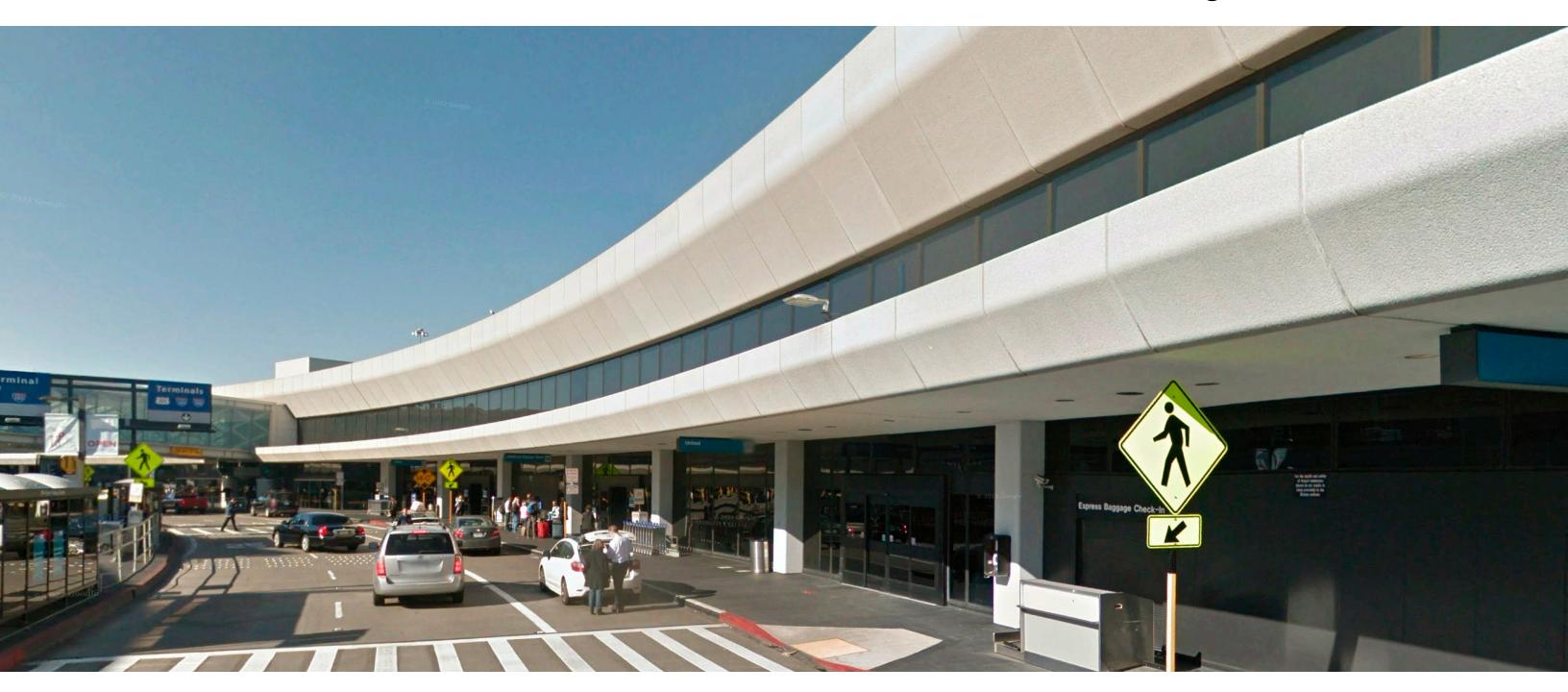
Existing Aerial View



Proposed Aerial View



Existing View From Street



Proposed View from Street





TRANSLUCENT GLASS







Existing Elevational View



Proposed Elevational View



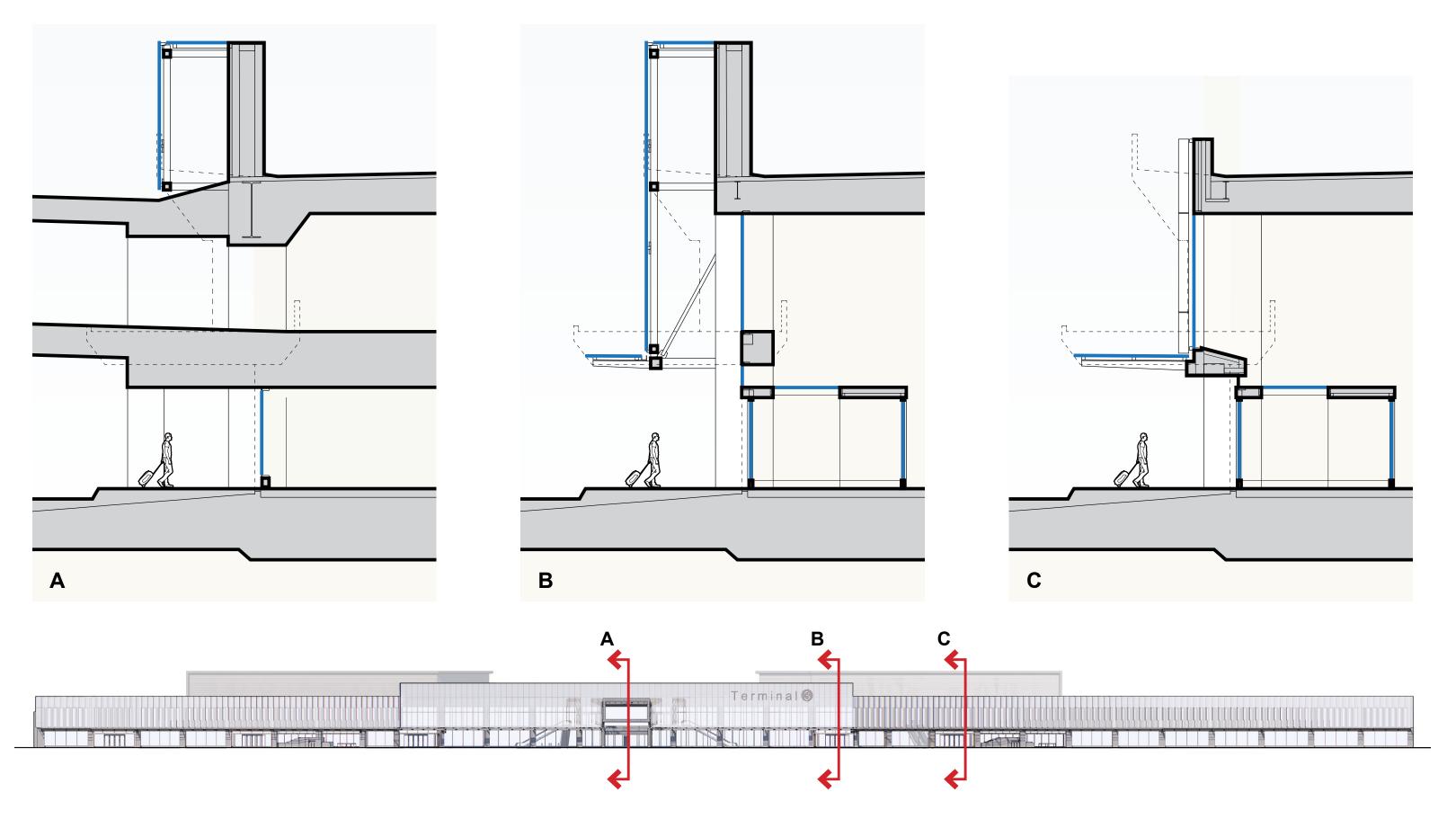




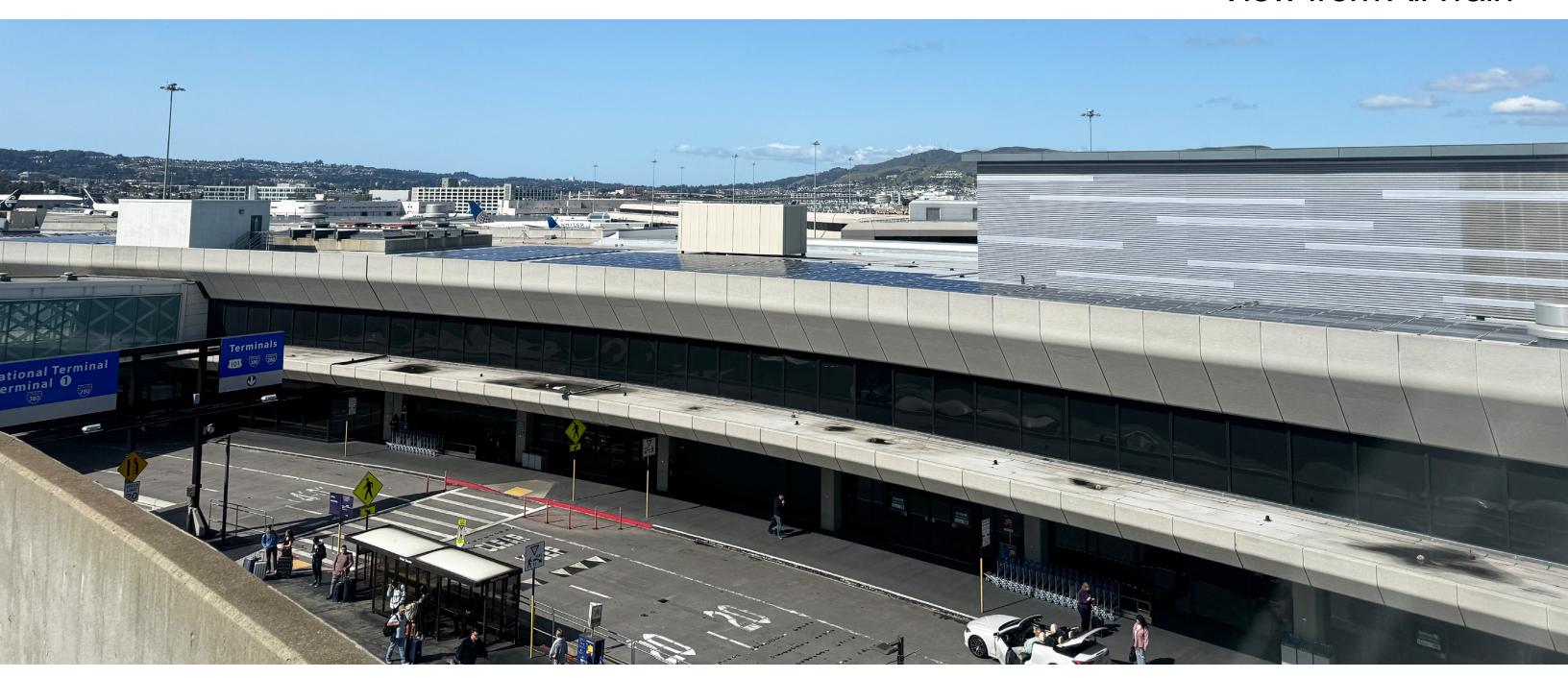


STIBULES SHADING FINS GLASS CA

Sections



View from AirTrain



View from AirTrain



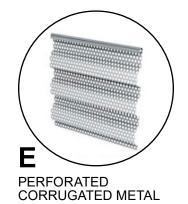


TRANSLUCENT GLASS







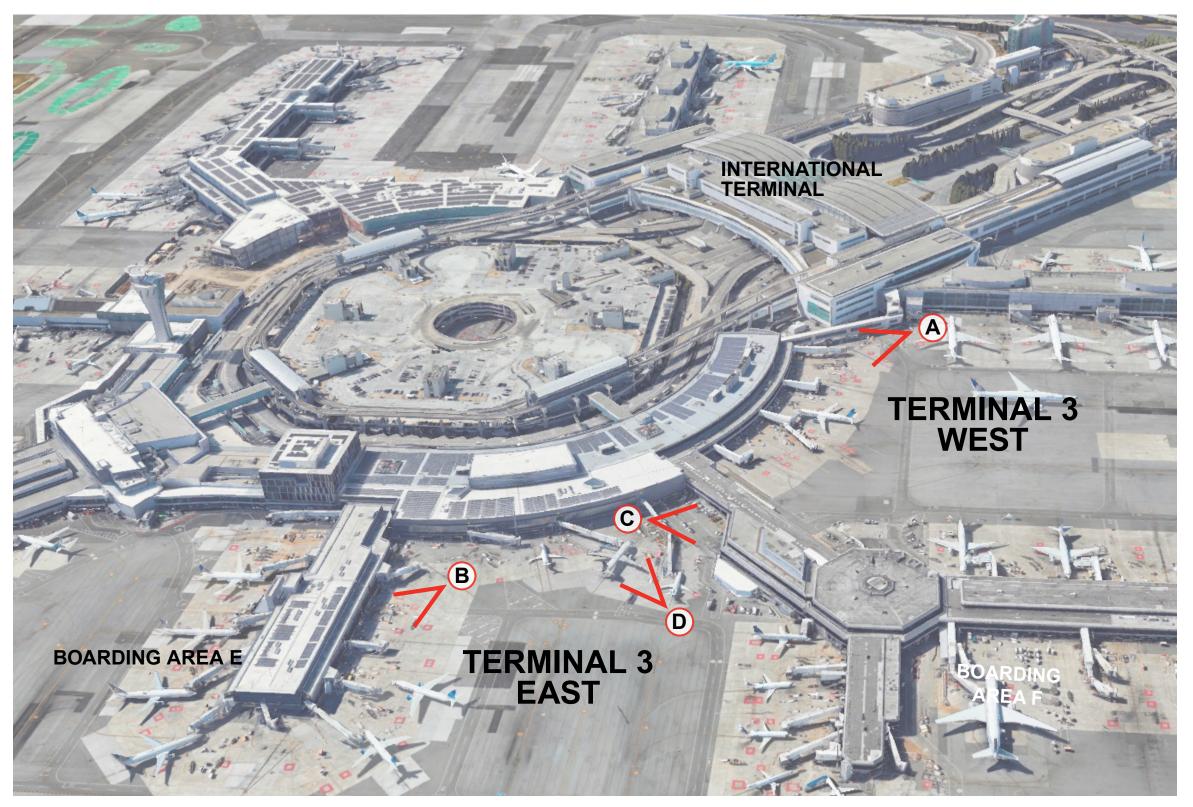


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Play Animation

Existing Airside Aerial & Context





A. APPROVED TERMINAL 3 WEST FACADE



B BOARDING AREA 'E'

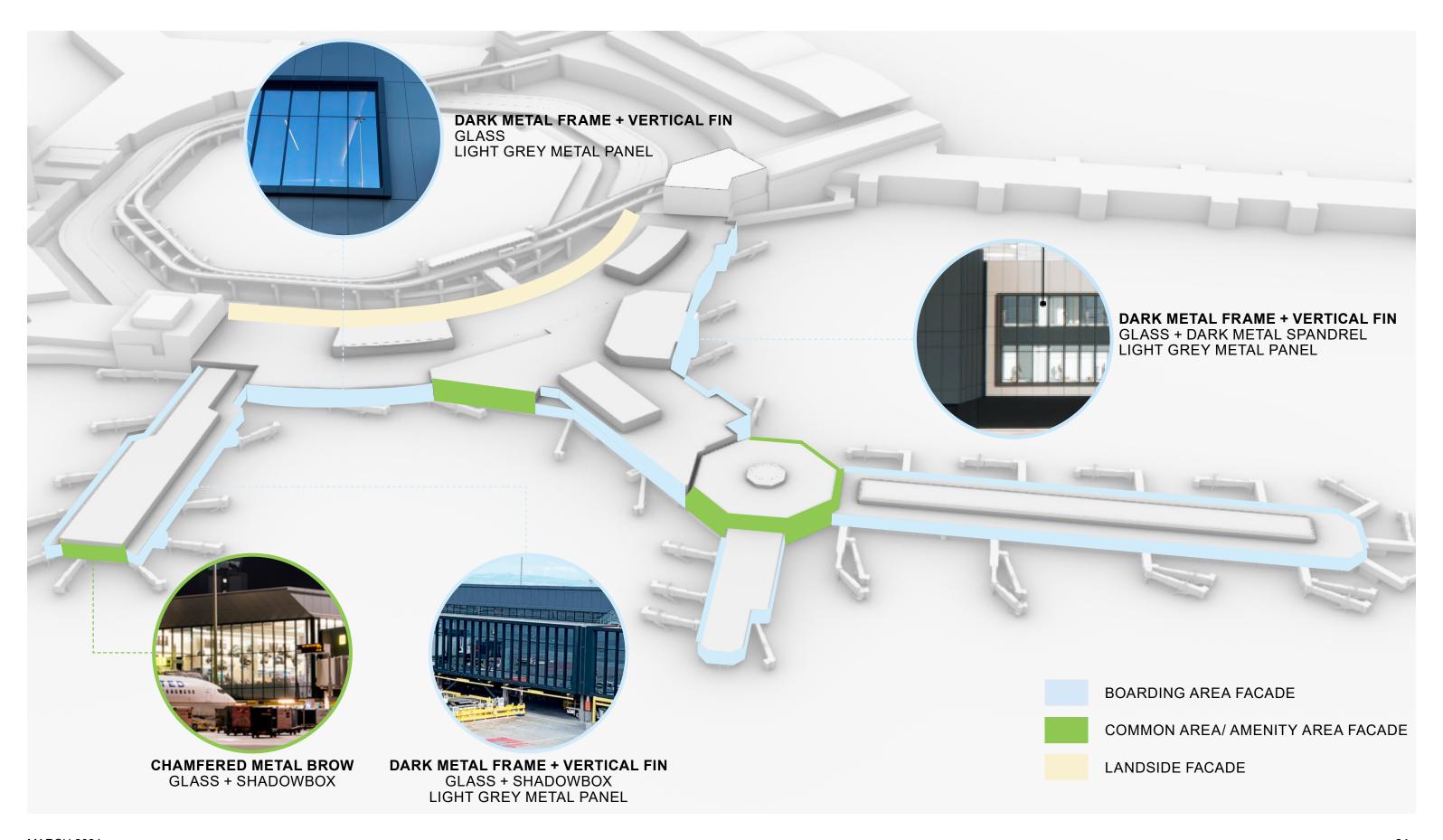


C EXISTING STATIONS OPERATIONS CENTER (SOC)



D. EXISTING TERMINAL 3 EAST FACADE

Airside Facade Design Language

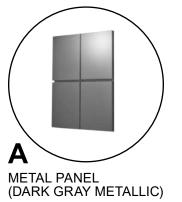


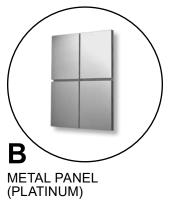
Terminal 3 West Airside View of SOC (Existing)

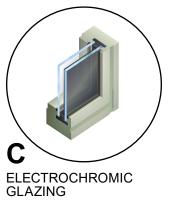


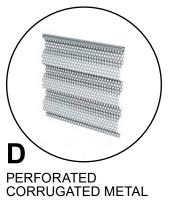
Terminal 3 West Airside View of SOC (Approved)





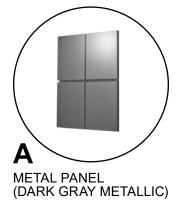


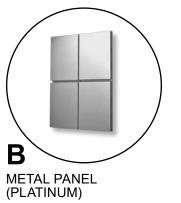


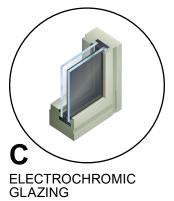


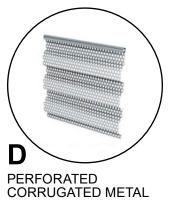
Terminal 3 West Airside View of SOC (Proposed)









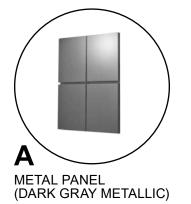


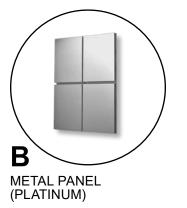
Terminal 3 East Addition Airside View (Existing)

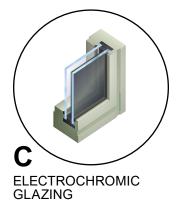


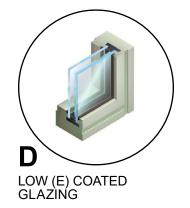
Terminal 3 East Addition Airside View (Proposed)

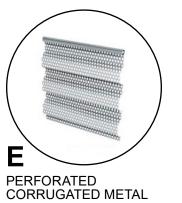












East Addition Airside View (Existing)

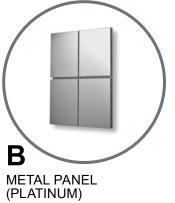


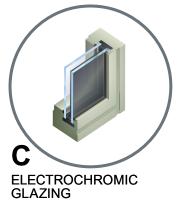
East Addition Airside View (Proposed)



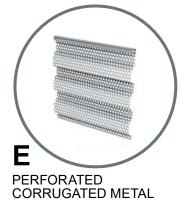


METAL PANEL (DARK GRAY METALLIC)









Thank you



Appendix

Project Goals

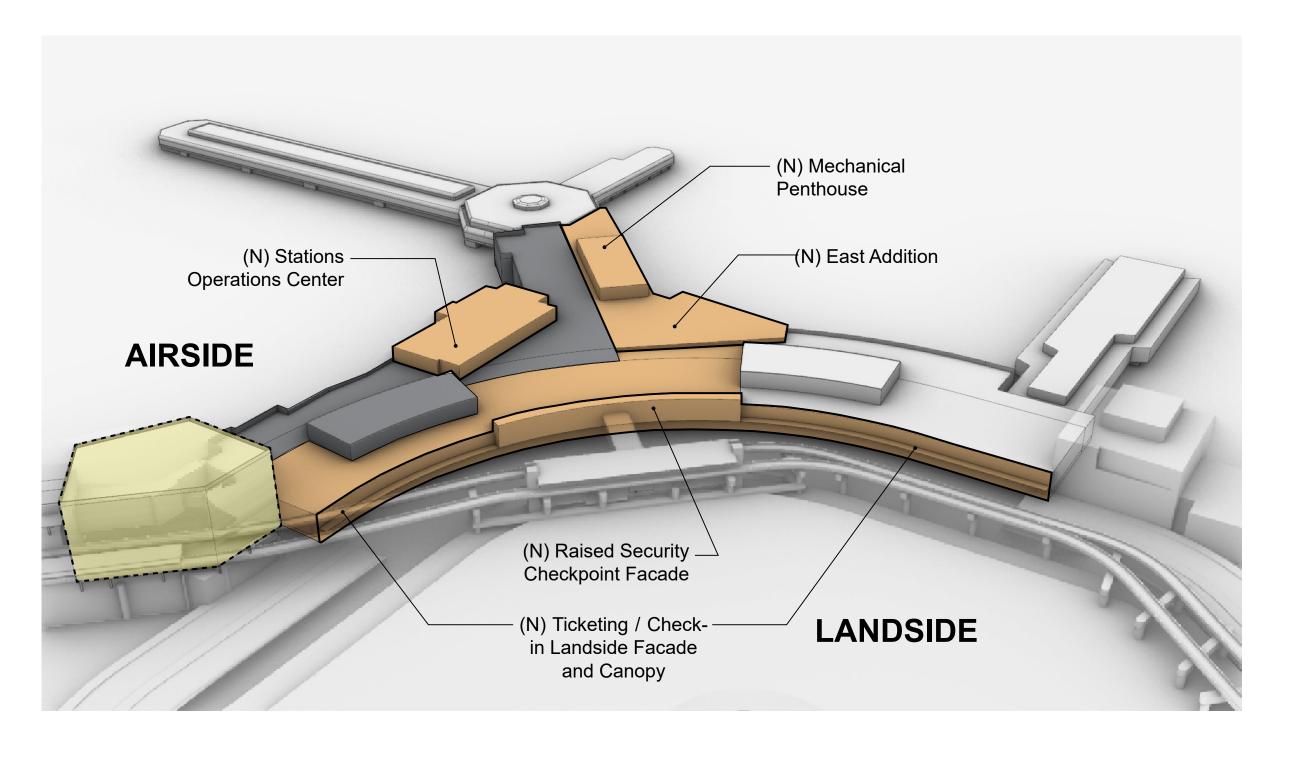
Seismic Retrofit the Terminal Building

2 Upgrade Building Systems

- Replace Baggage Screening Equipment
- Provide World-Class Experience & Optimize Opportunities for Revenue Generation

- 5 Enable International Operations
- 6 Increase Checkpoint Capacity
- 7 Enhance Circulation& Project Adjacencies
- 8 Mitigate Curbside Congestion
- Advance Climate
 Action & Employee
 Well-Being

Landside Exterior Expression Proposed Massing

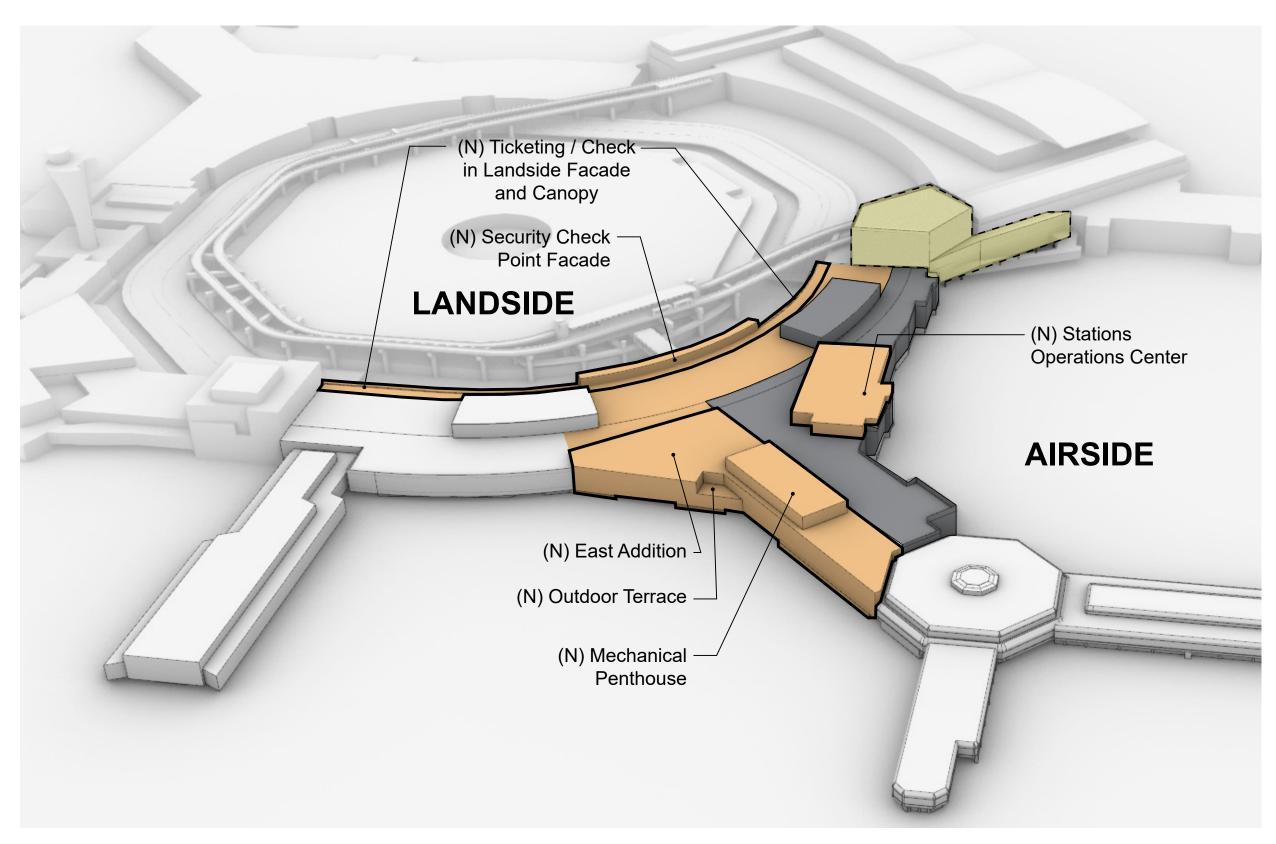


NOT IN SCOPE

NEW SCOPE AREA

PREVIOUS
APPROVED SCOPE
FUTURE SCOPE

Airside Exterior Expression Proposed Massing

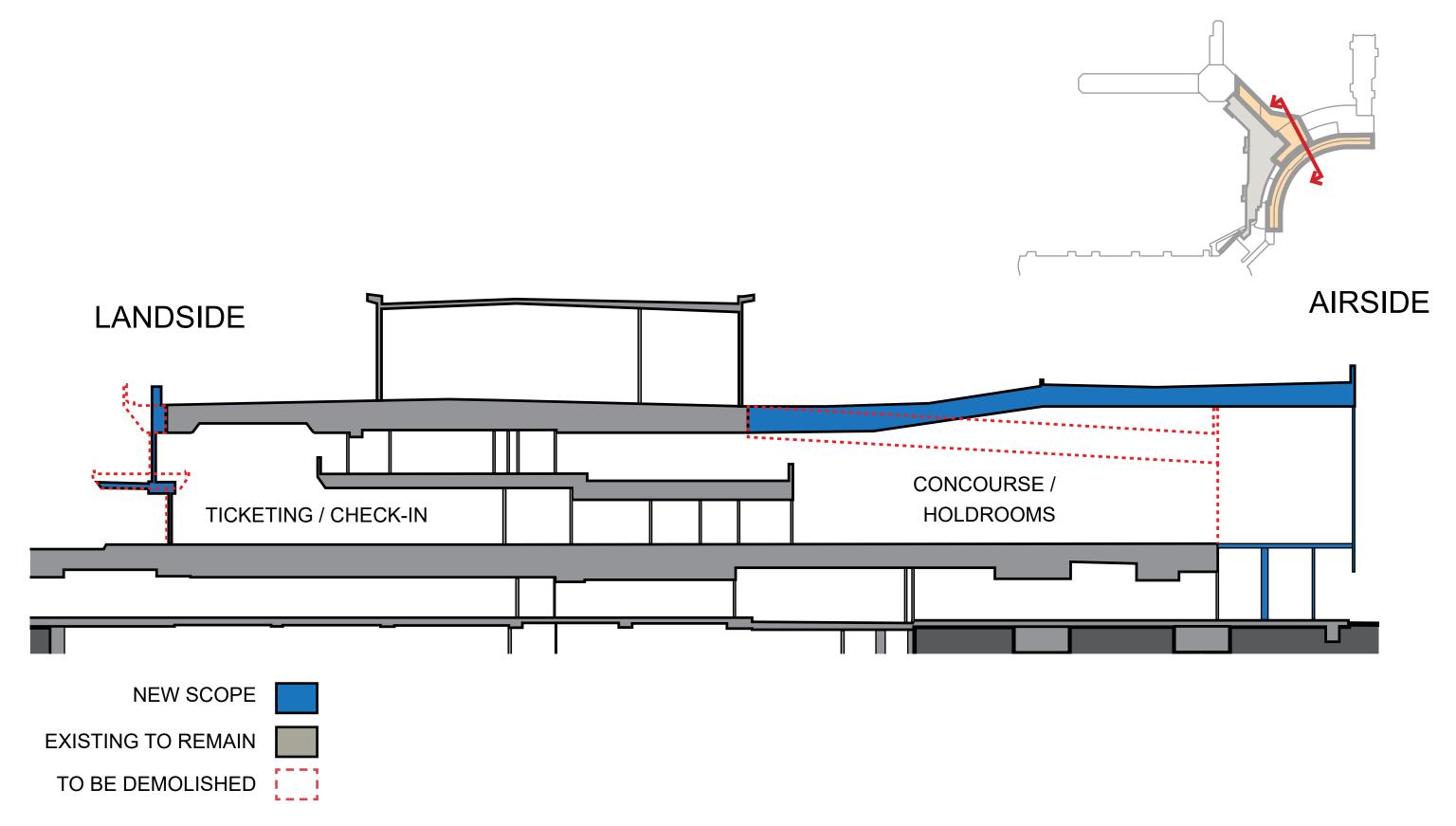


NOT IN SCOPE

NEW SCOPE AREA

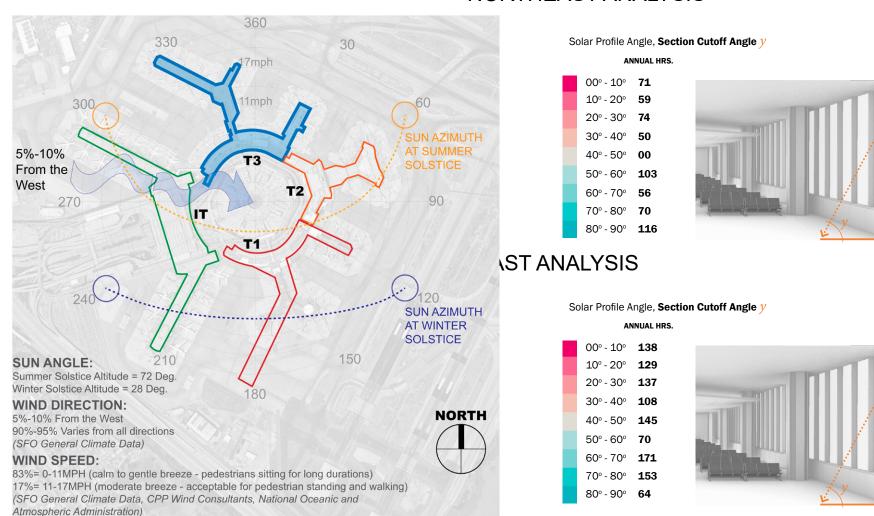
PREVIOUS
APPROVED SCOPE
FUTURE SCOPE

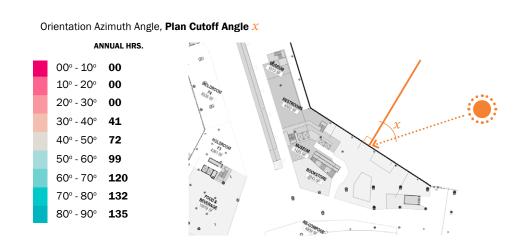
Airside East Addition Building Section

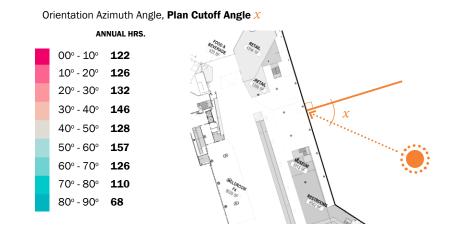


Airside Exterior Expression Solar Analysis

NORTHEAST ANALYSIS

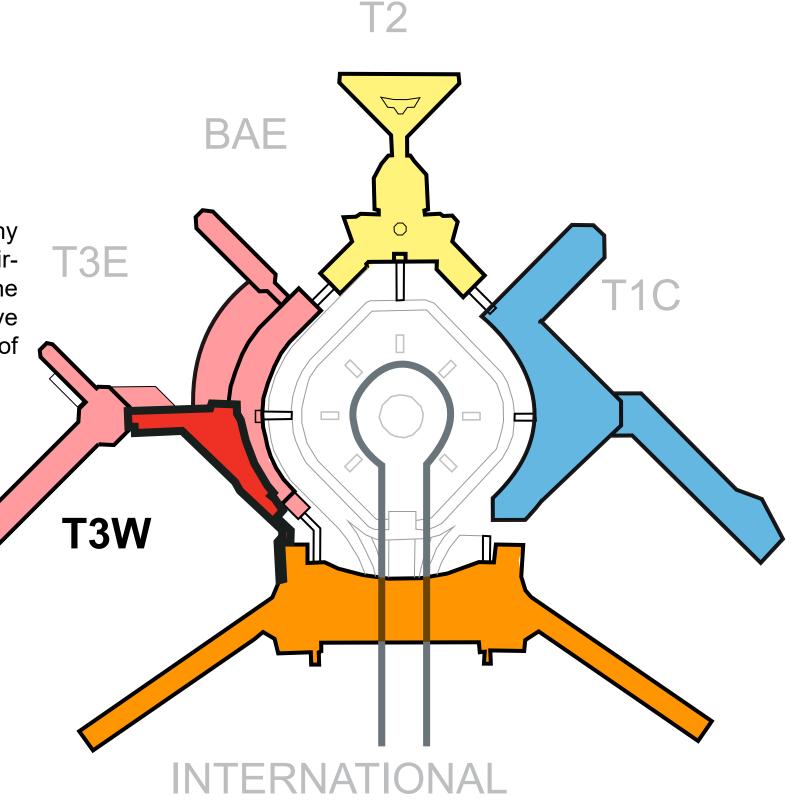




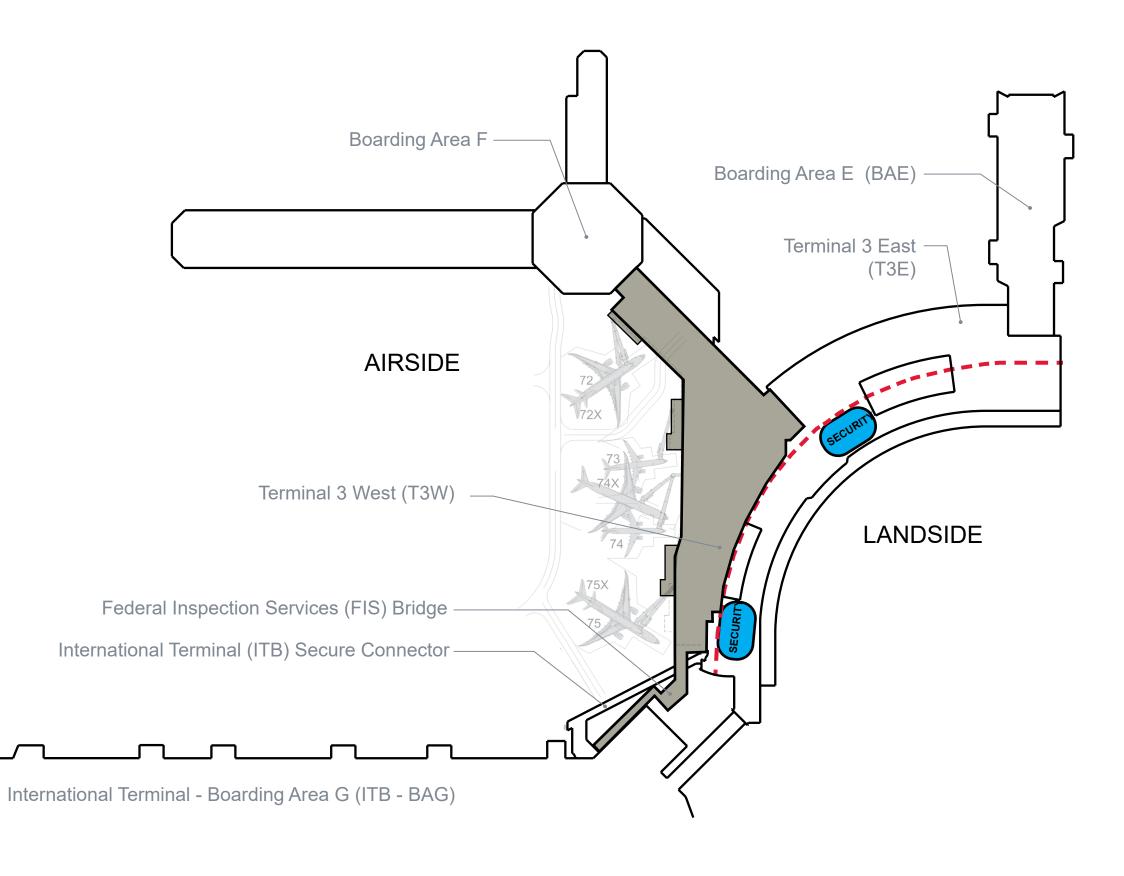


ADJACENCIES MATTER

Like spokes of a key ring, Terminal 3 continues the masterplan hierarchy that allows the International Terminal to remain as the "Jewel" of the Airport and primary in Architectural importance. The design build upon the existing context that Terminal 3's previous capital improvements have already created while improving wayfinding, circulation, clear point of entrance and identity as a distinct "key" to the other terminals.



Previous Approved Scope



PREVIOUS APPROVED SCOPE

T3 WEST GATE TABULATION

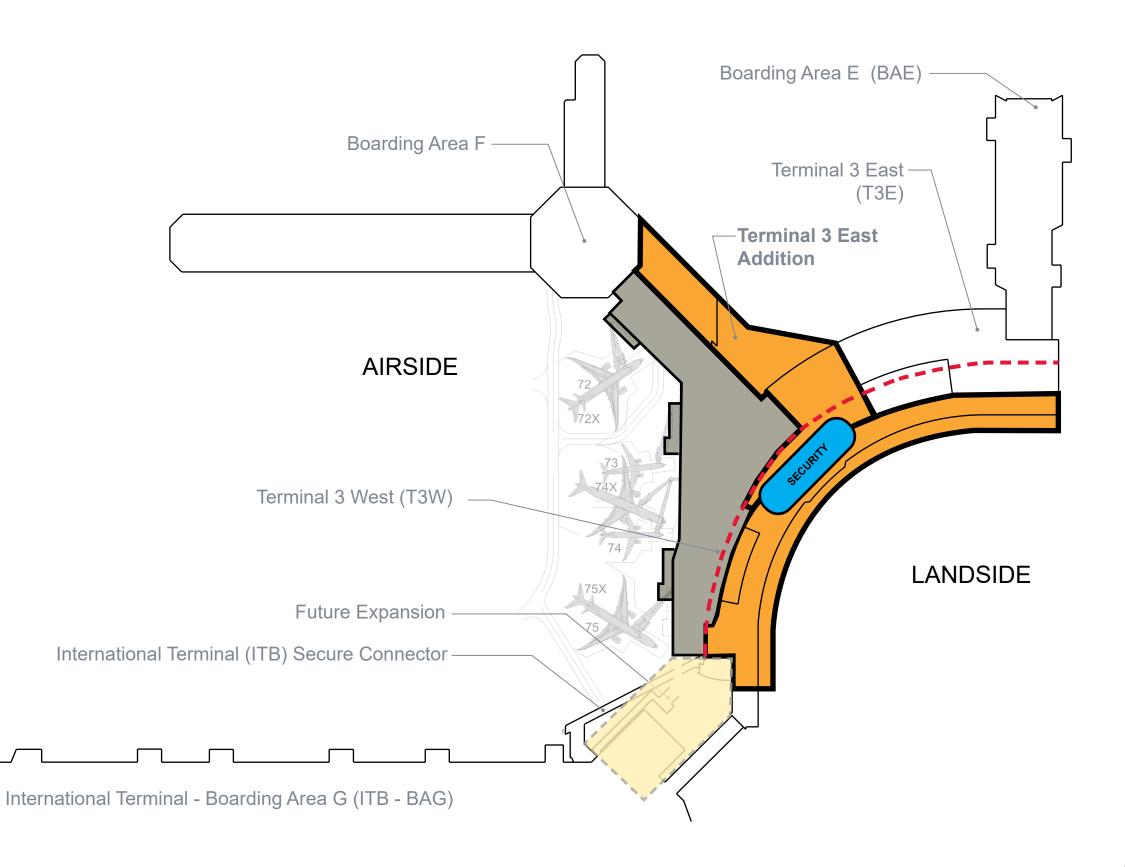
NOT IN SCOPE

FUTURE SCOPE

NEW SCOPE AREA

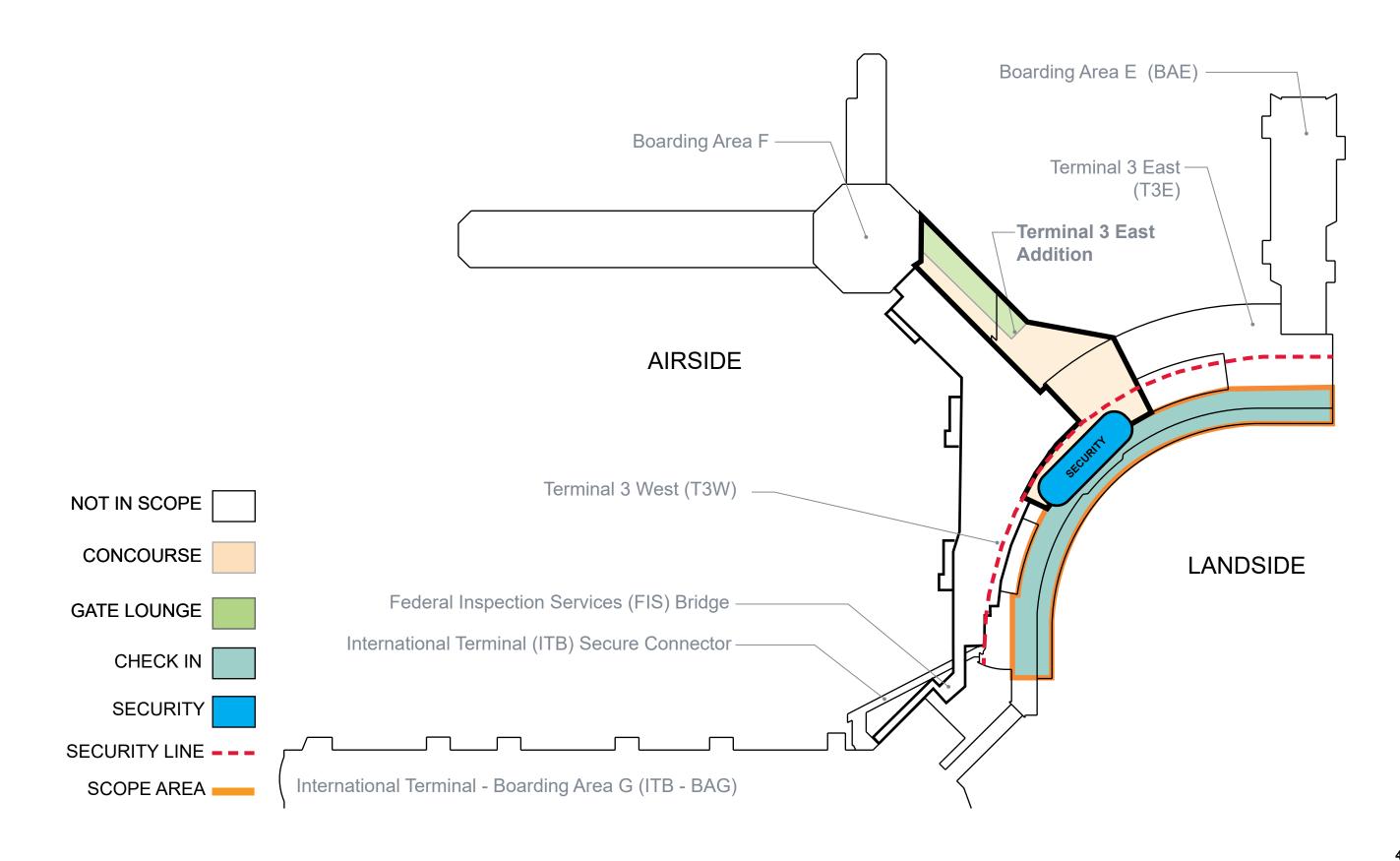
PREVIOUS APPROVED SCOPE

	NARROW	WIDE
EXISTING GATES	5	0
PROPOSED GATES	5 4	3



New Scope / Program

Departures Level



New Scope / Program

Mezzanine Level

