

SAN FRANCISCO INTERNATIONAL AIRPORT
Terminal 3 West Modernization Project

CIVIC DESIGN REVIEW - CONCEPT PHASE



FEBRUARY 2024

OUTLINE

- A PROJECT BACKGROUND /GOALS
- B EXISTING CONDITIONS / CONTEXT
- C CONTEXT / MASSING COMPONENTS
- D FACADE GOALS / PRINCIPLES
- E FACADE SOLAR / GLARE ANALYSIS



1 Seismic Retrofit the Terminal Building

2 Upgrade Building Systems

3 Replace Baggage Screening Equipment

4 Provide World-Class Experience & Optimize Opportunities for Revenue Generation

5 Enable International Operations

6 Increase Checkpoint Capacity

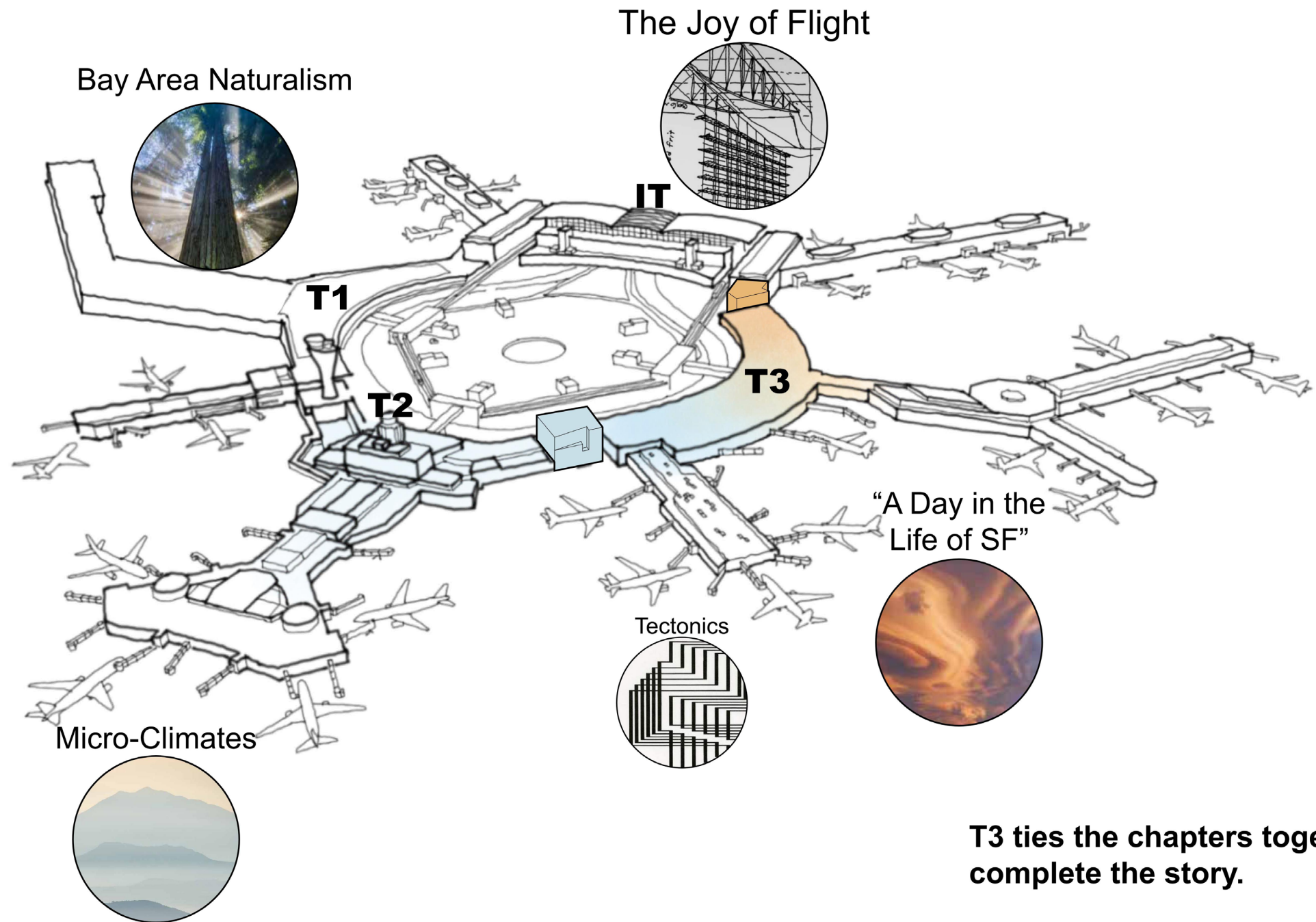
7 Enhance Circulation & Project Adjacencies

8 Mitigate Curbside Congestion

9 Advance Climate Action & Employee Well-Being

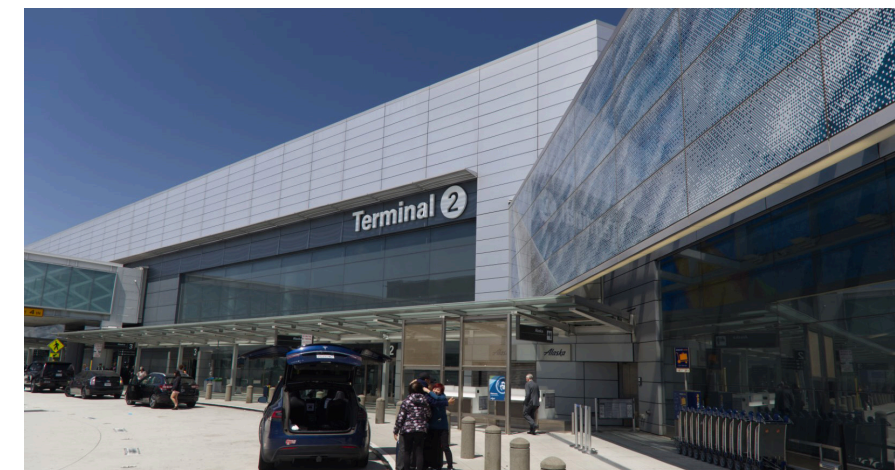
TERMINAL IDENTITY

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.

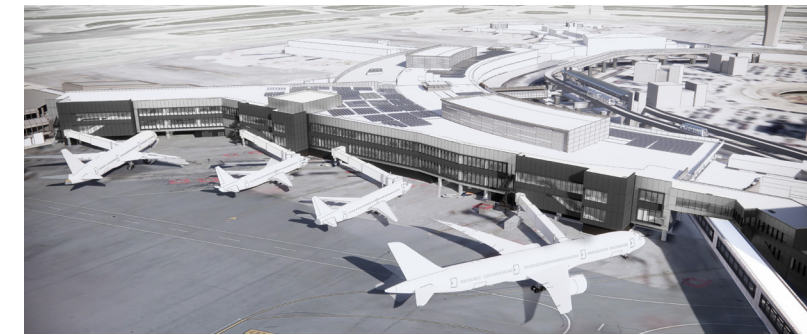


T3 ties the chapters together to complete the story.

SFO Airport Context



Existing Airside Aerial & Context



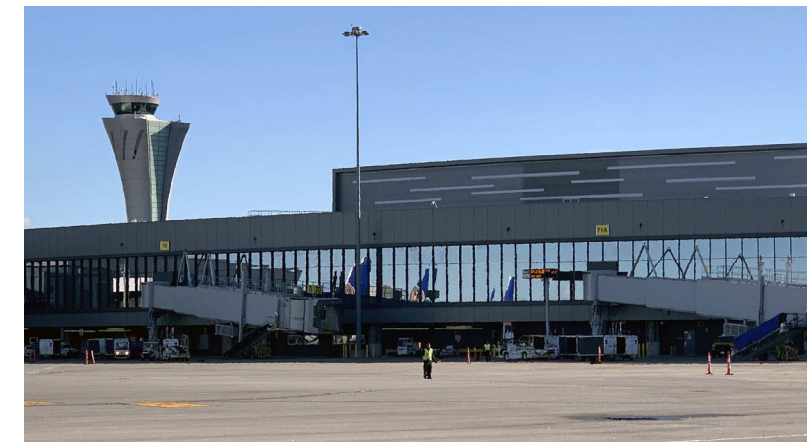
A. APPROVED TERMINAL 3 WEST FACADE



B. BOARDING AREA 'E'



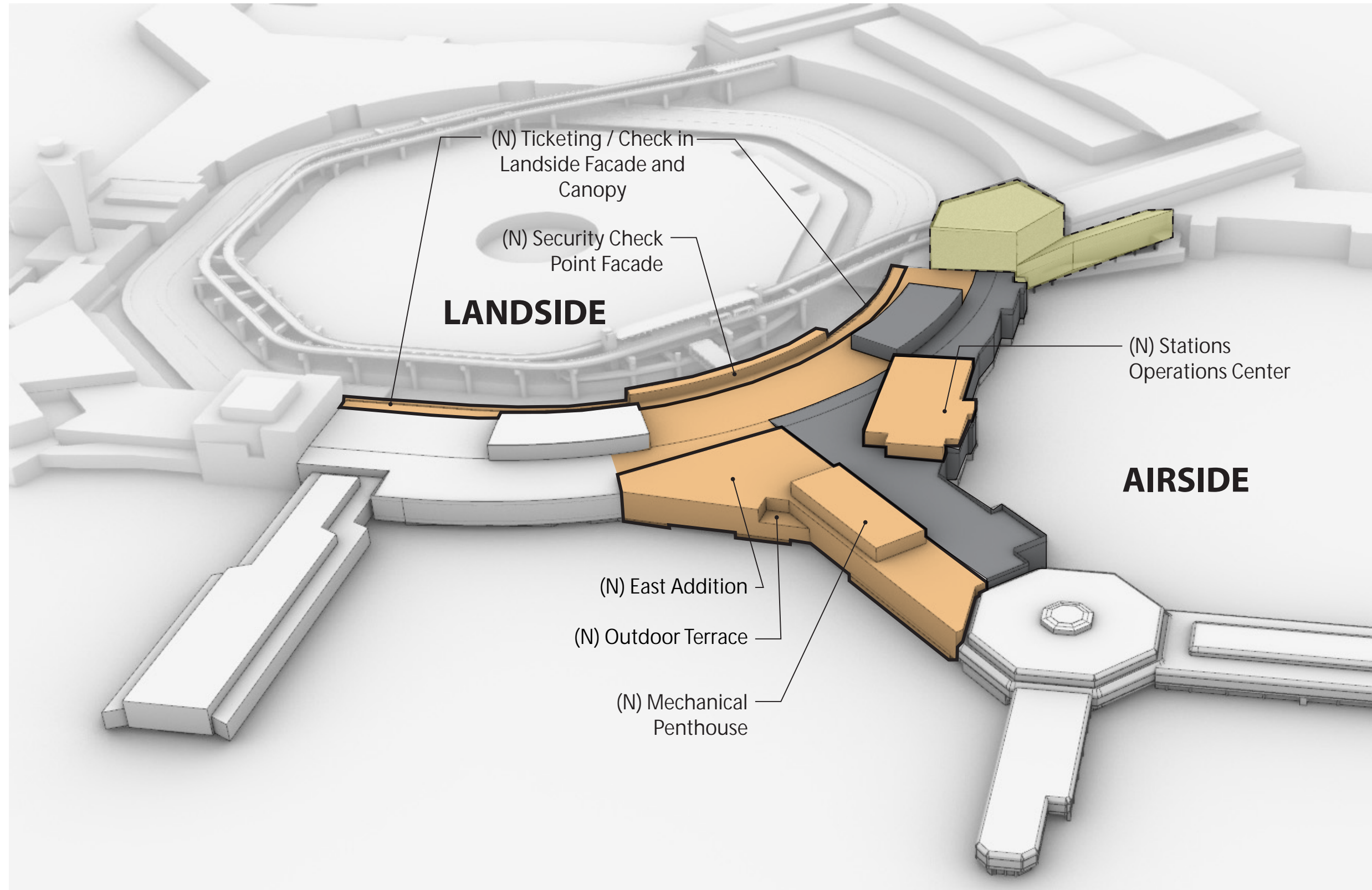
C. EXISTING STATIONS OPERATIONS CENTER







C. EXISTING TERMINAL 3 EAST FACADE

Airside Exterior Expression

Proposed Massing



- NOT IN SCOPE 
- NEW SCOPE AREA 
- PREVIOUS APPROVED SCOPE 
- FUTURE SCOPE 

Existing Landside Aerial & Context



A. COURTYARD 3 BUILDING



B. TERMINAL 3



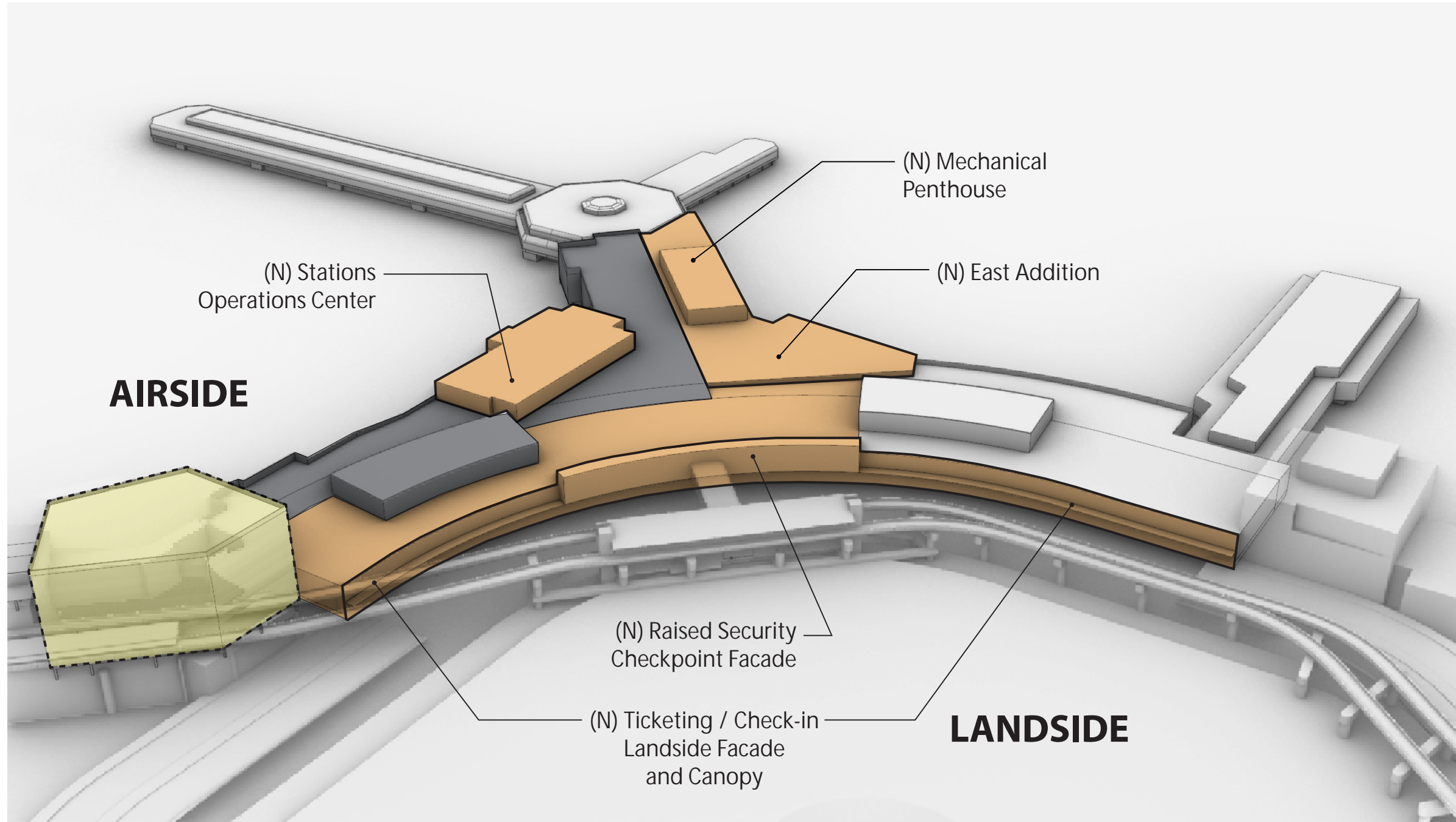
C. TERMINAL 3 / AIRTRAIN BRIDGE







D. TERMINAL 3 END

Landside Exterior Expression

Proposed Massing



- NOT IN SCOPE 
- NEW SCOPE AREA 
- PREVIOUS APPROVED SCOPE 
- FUTURE SCOPE 

GOALS & PRINCIPLES



HUMAN EXPERIENCE

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



CLIMATIC PERFORMANCE

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



OPERATION

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



CONTEXT

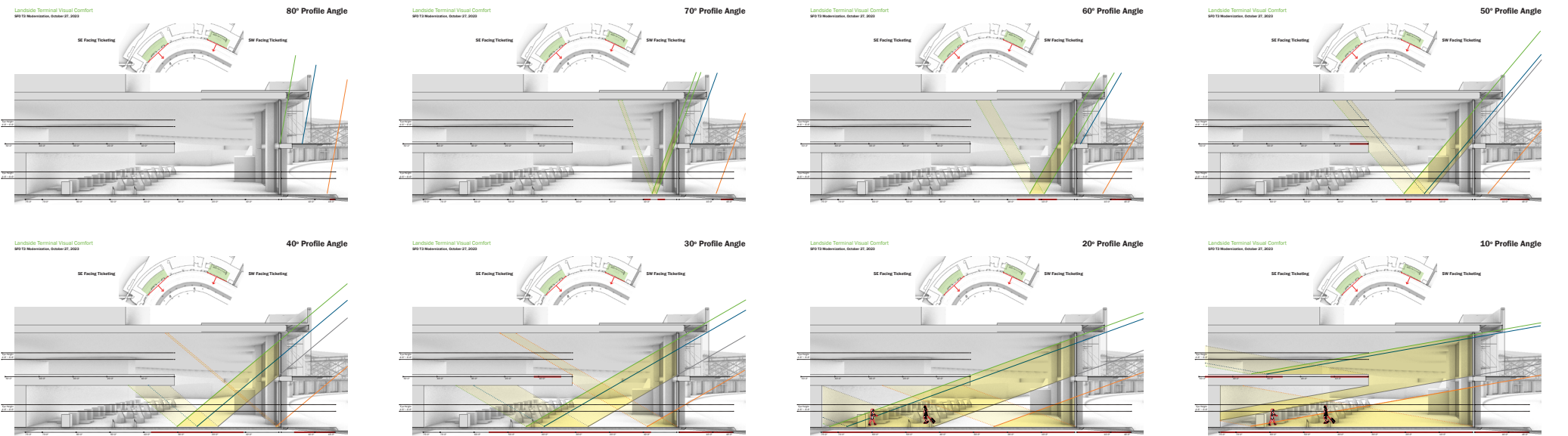
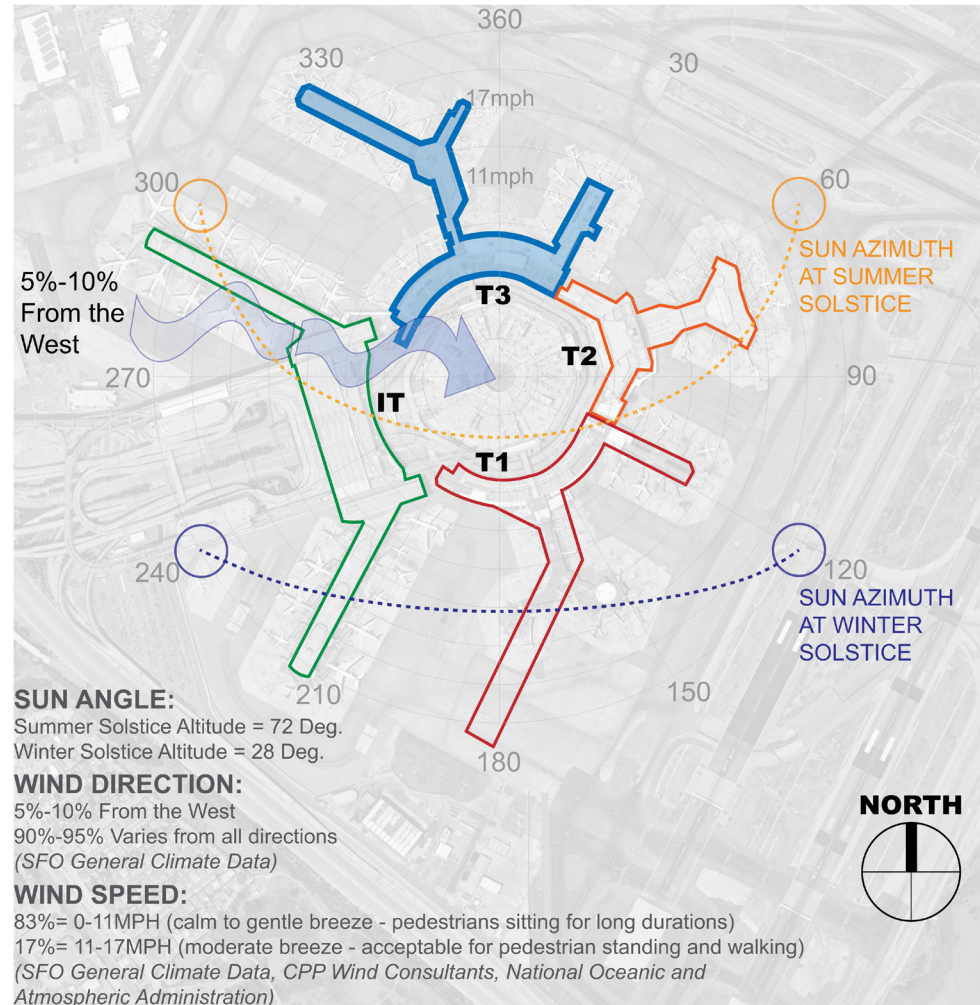
- Look and Feel - fitting within SFO campus but having unique terminal identity
- Have architecture aid in alleviating vehicular congestion



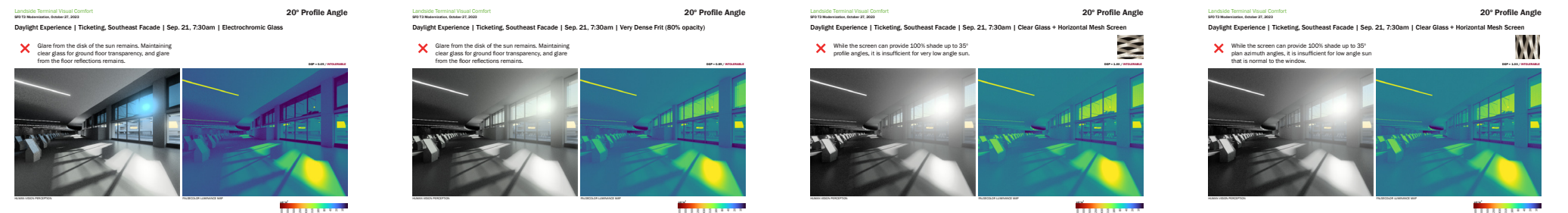
MAINTENANCE

- Cleaning / Lifespan
- Security
- Bird Safety

Landside Exterior Expression Solar / Glare Analysis

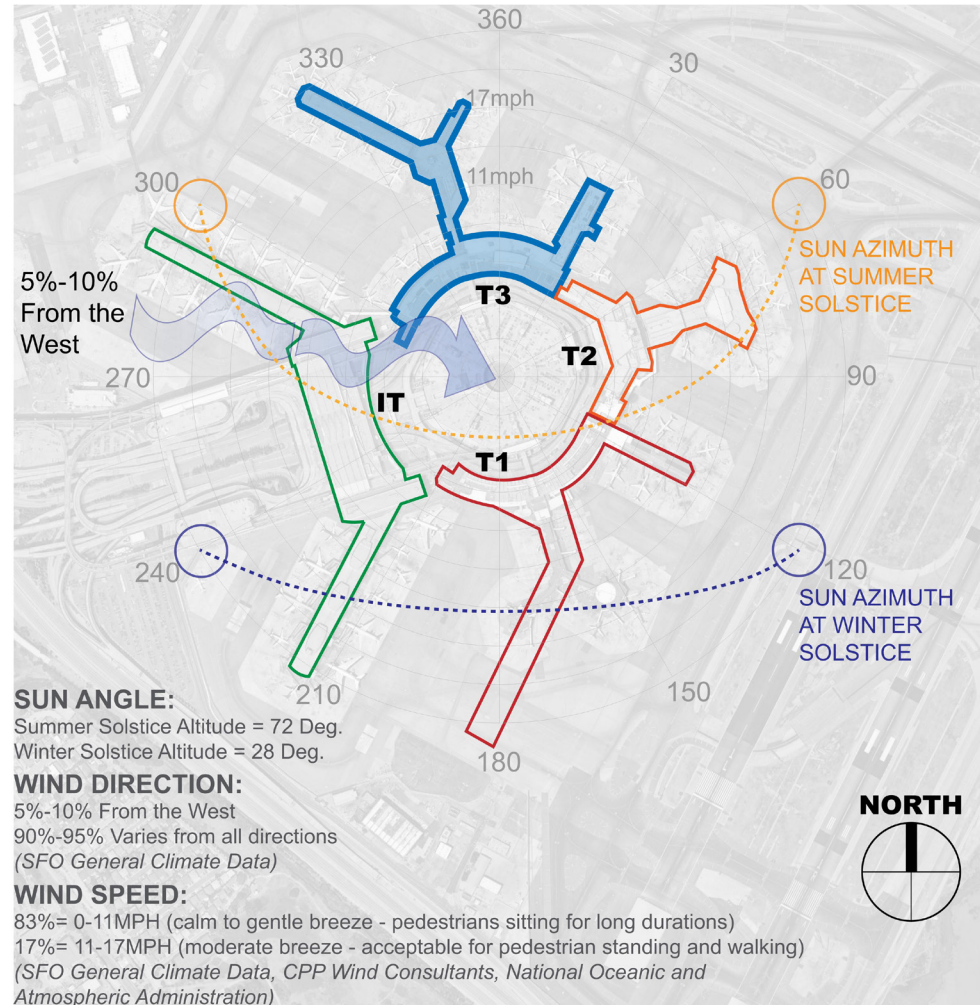


“QUICK & EASY” DOESN'T WORK



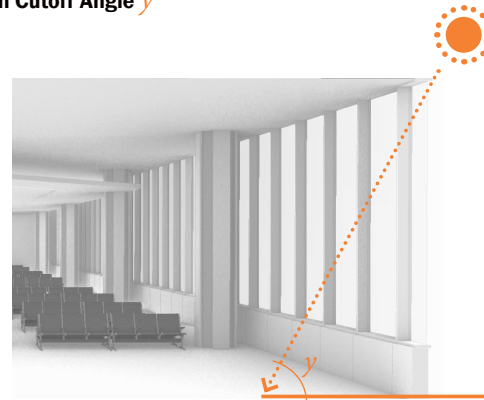
Airside Exterior Expression Solar Analysis

NORTHEAST ANALYSIS



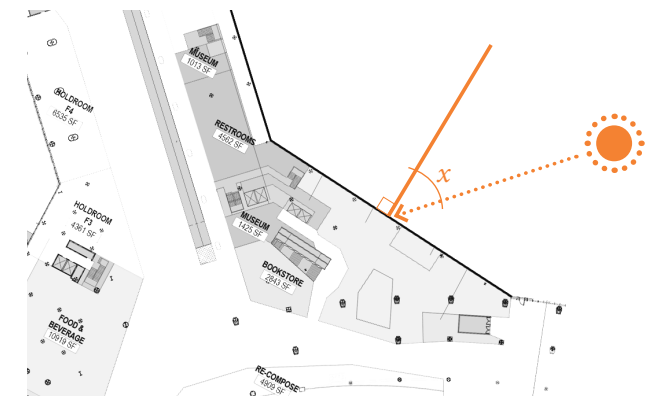
Solar Profile Angle, **Section Cutoff Angle y**

Solar Profile Angle	ANNUAL HRS.
00° - 10°	71
10° - 20°	59
20° - 30°	74
30° - 40°	50
40° - 50°	00
50° - 60°	103
60° - 70°	56
70° - 80°	70
80° - 90°	116



Orientation Azimuth Angle, **Plan Cutoff Angle x**

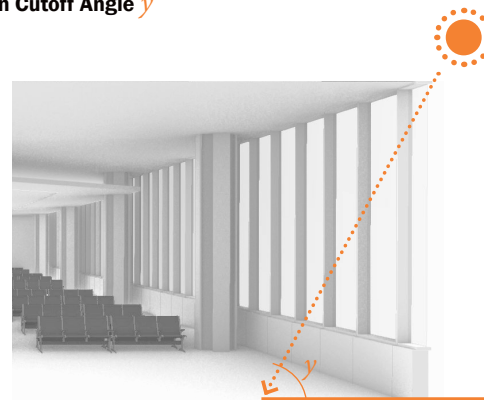
Orientation Azimuth Angle	ANNUAL HRS.
00° - 10°	00
10° - 20°	00
20° - 30°	00
30° - 40°	41
40° - 50°	72
50° - 60°	99
60° - 70°	120
70° - 80°	132
80° - 90°	135



EAST ANALYSIS

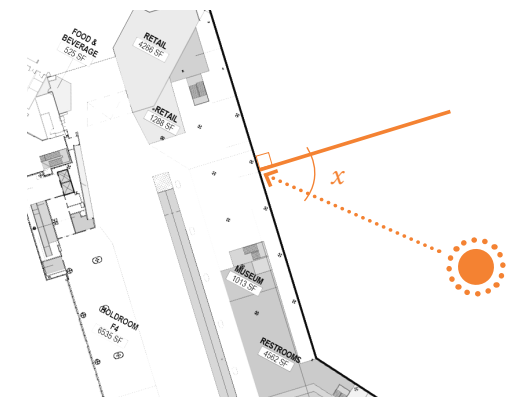
Solar Profile Angle, **Section Cutoff Angle y**

Solar Profile Angle	ANNUAL HRS.
00° - 10°	138
10° - 20°	129
20° - 30°	137
30° - 40°	108
40° - 50°	145
50° - 60°	70
60° - 70°	171
70° - 80°	153
80° - 90°	64



Orientation Azimuth Angle, **Plan Cutoff Angle x**

Orientation Azimuth Angle	ANNUAL HRS.
00° - 10°	122
10° - 20°	126
20° - 30°	132
30° - 40°	146
40° - 50°	128
50° - 60°	157
60° - 70°	126
70° - 80°	110
80° - 90°	68



THANK
YOU