SAN FRANCISCO INTERNATIONAL AIRPORT

Terminal 3 West Modernization Project

CIVIC DESIGN REVIEW - SCHEMATIC DESIGN PHASE 1

May 2019

Project Site
Terminal 3 West

Project Goals

1

Seismic Retrofit

- Provide seismic retrofit to Terminal 3 West and F-Connector.

2

Upgrade Systems

- Upgrade and/or replace building systems deemed to be at the end of their life in order to improve operational functionality, reliability, and efficiency.
- Mostly in Pre Security Area (Landside)

3

International Operations

- Increase international operational flexibility by providing 3 wide-body and 4 narrow-body swing gates and creating an FIS connection to the customs inspection area in the International Terminal.

4

Passenger Experience and Revenue Generation

- Implement a world-class concessions program and increase revenue generation.
- Complement the exceptional Boarding Area E and Terminal 3 East passenger experience and create unique moments of surprise and delight.

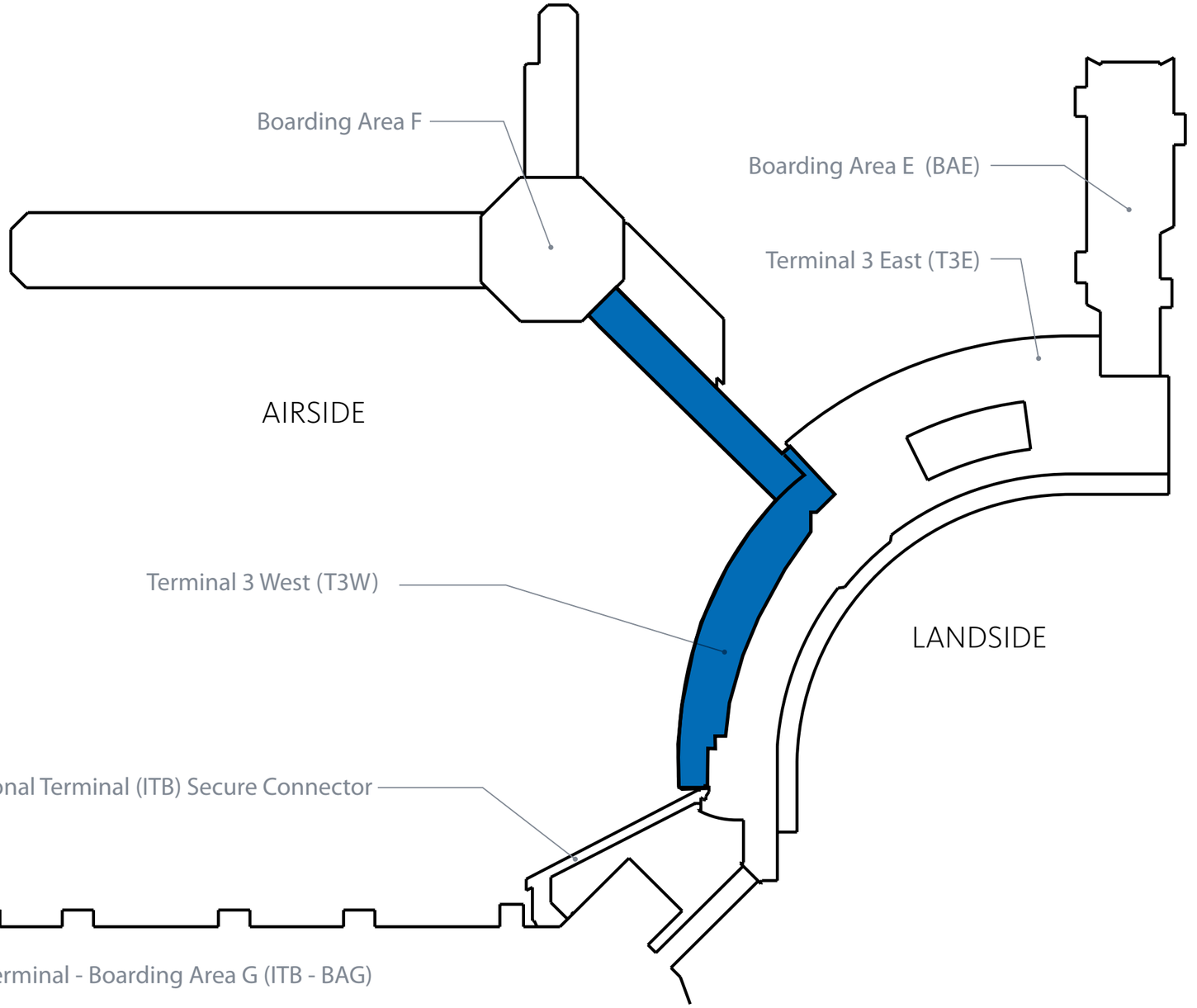
Project Site and Airside Context

A. INTERNATIONAL TERMINAL ‘G’

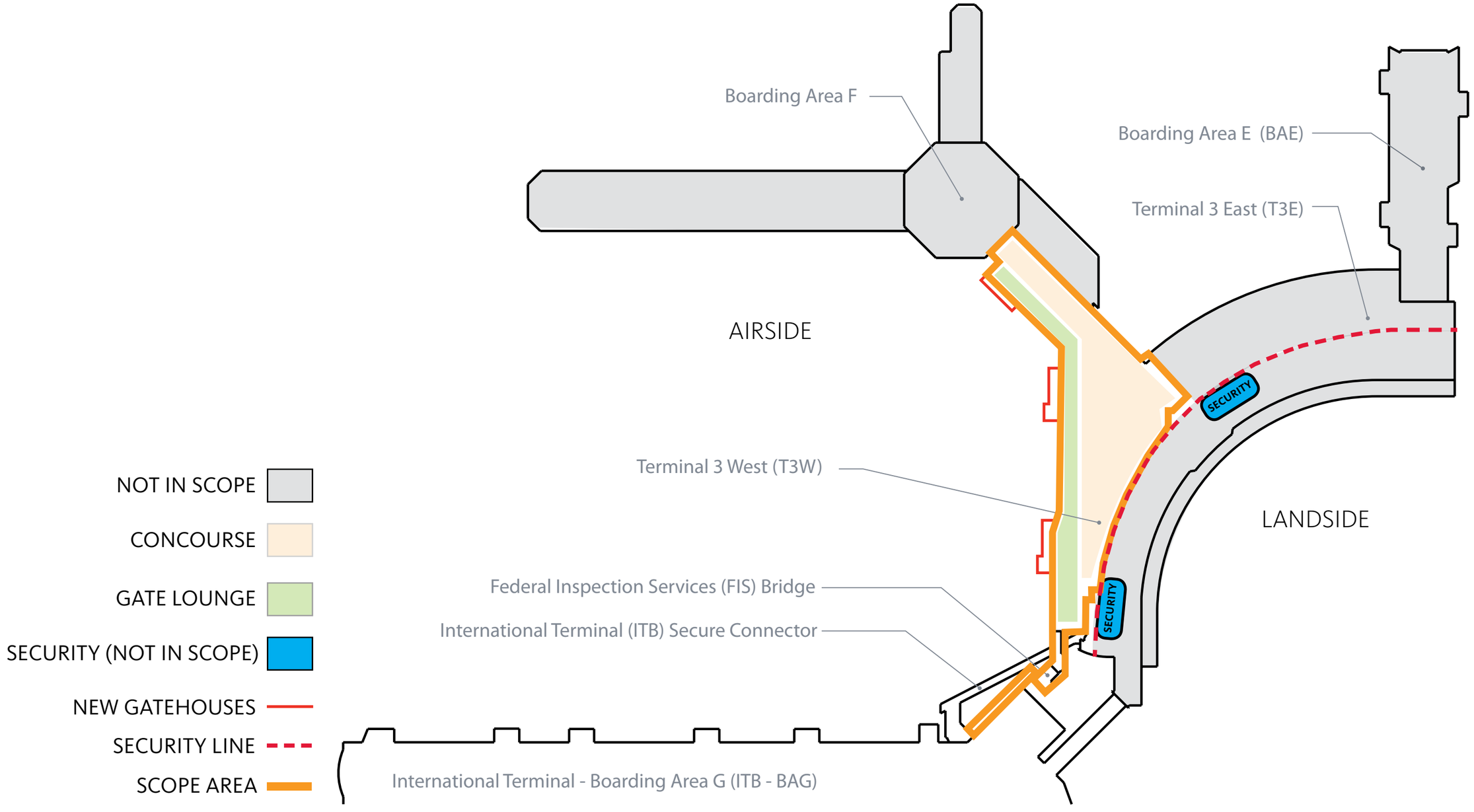
B. BOARDING AREA ‘E’

C. EXISTING FACADE

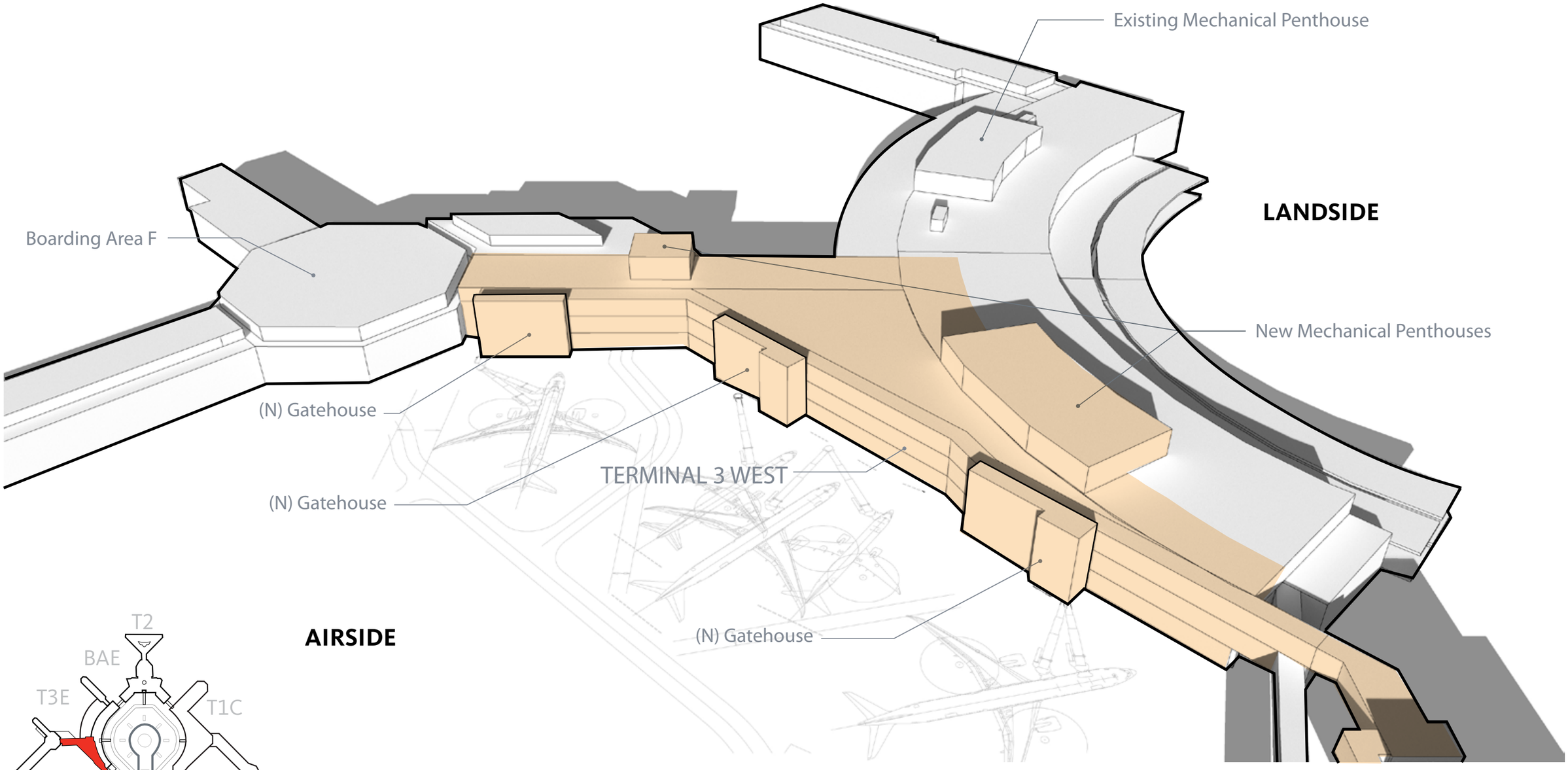
Existing Conditions



Proposed Plan



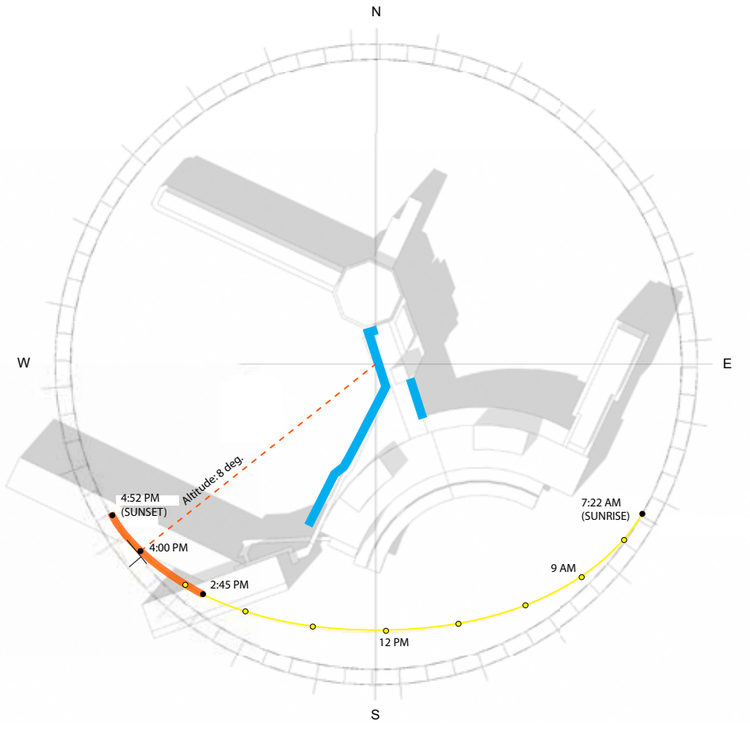
Proposed Massing



Solar Analysis

NEW FACADE SURFACE

PERIOD OF DAY W/ DIRECT SUN

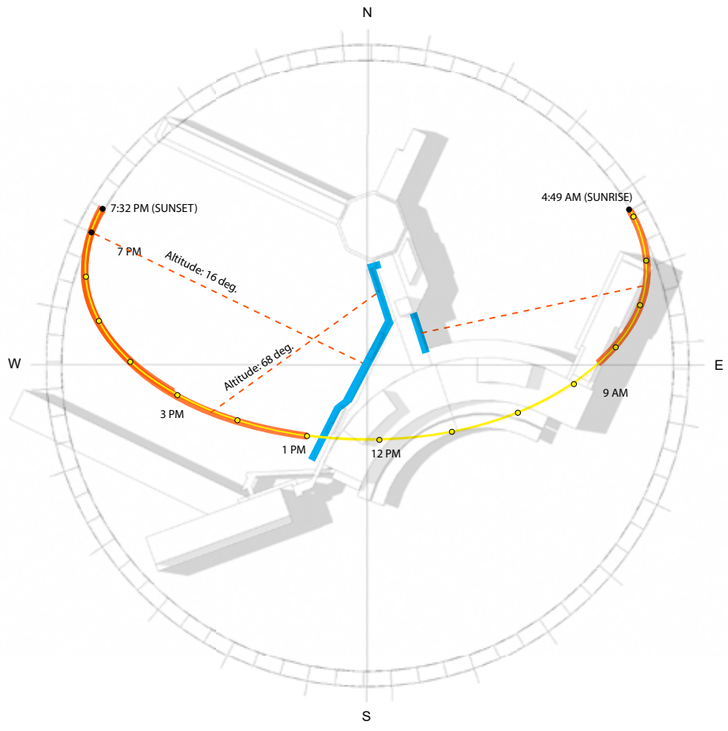


WINTER SOLSTICE
DECEMBER 21

WEST FACADE SOLAR EXPOSURE
2:45 PM - 4:52 PM

EAST FACADE SOLAR EXPOSURE
NONE

- Minimal period of time with direct sun
- Sun mainly impacts area during late afternoon

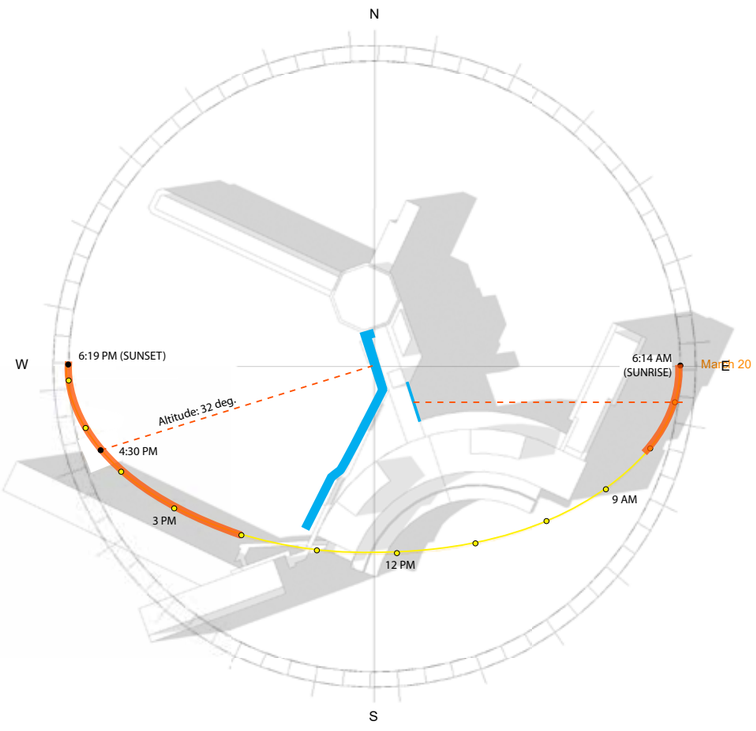


SUMMER SOLSTICE
JUNE 21

WEST FACADE SOLAR EXPOSURE
1 PM - 7:32 PM

EAST FACADE SOLAR EXPOSURE
4:49 AM - 9 AM

- Maximum period of time with direct sun
- Sun impacts area for most of the afternoon



SPRING / FALL EQUINOX
MARCH 20 / SEPTEMBER 23

WEST FACADE SOLAR EXPOSURE
2 PM - 6:19 PM

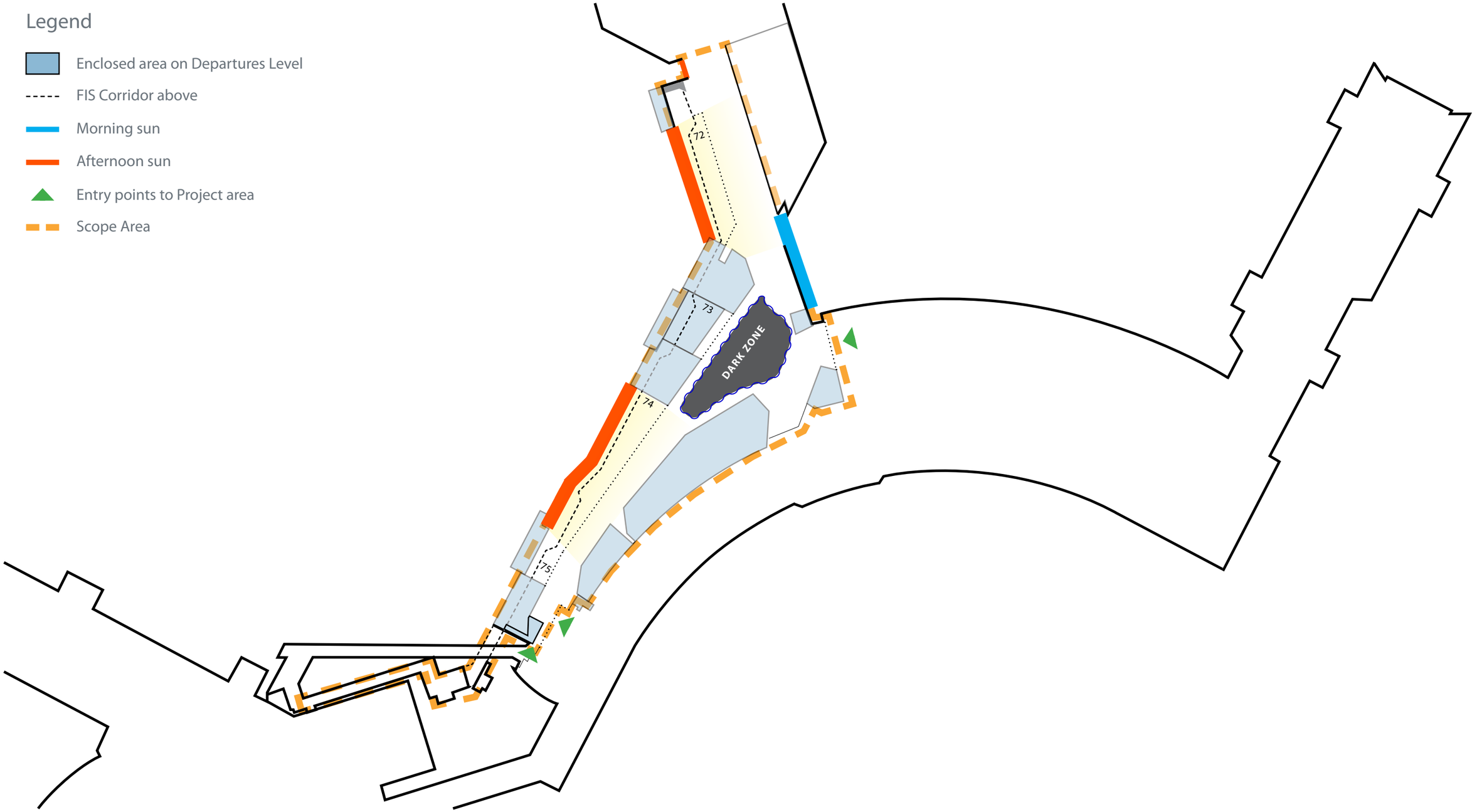
EAST FACADE SOLAR EXPOSURE
6:14 AM - 8 AM

- Sun impacts area from mid-afternoon to early evening

Daylighting Analysis

Legend

- Enclosed area on Departures Level
- FIS Corridor above
- Morning sun
- Afternoon sun
- Entry points to Project area
- Scope Area



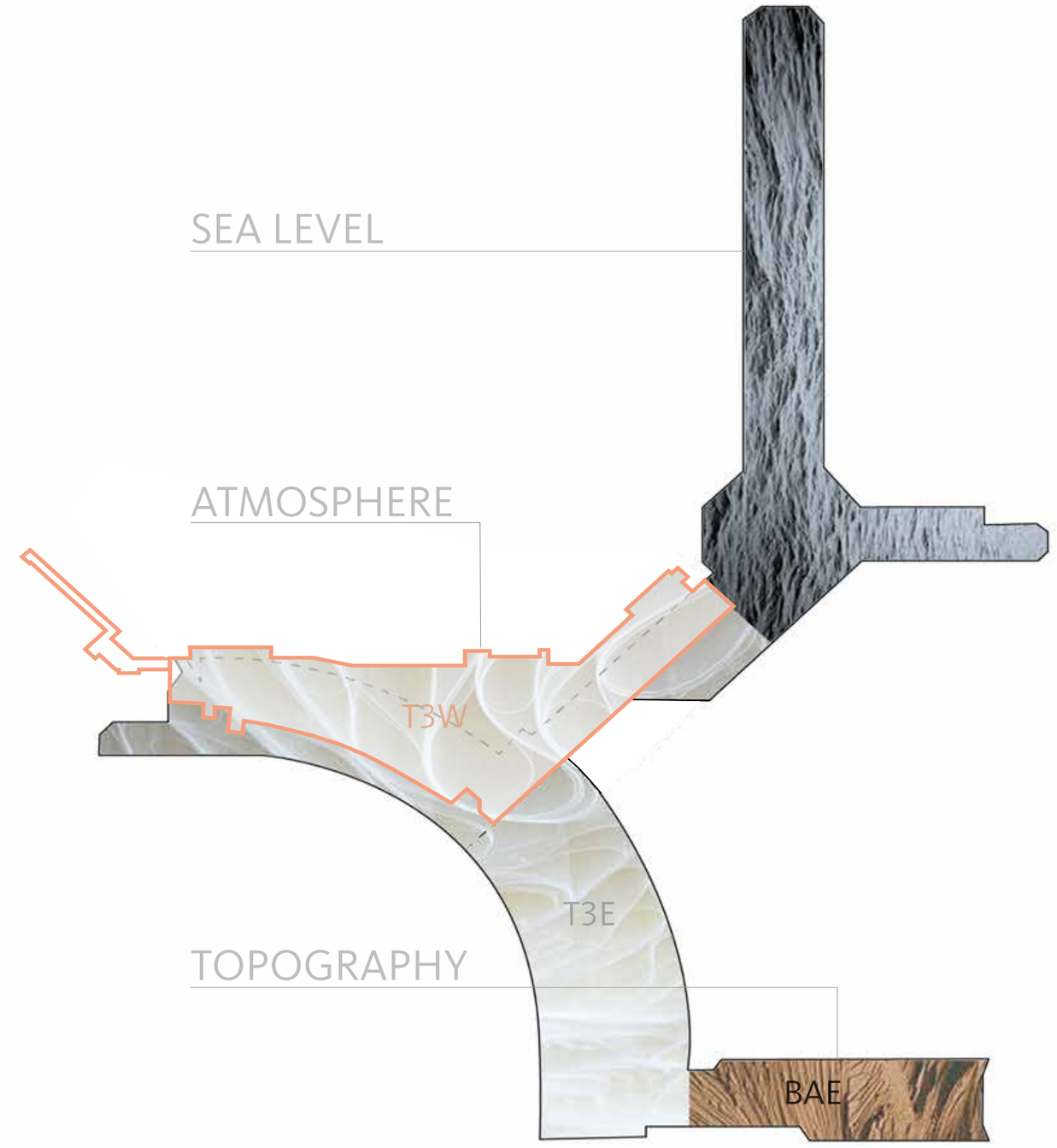
WITH INCREASED CEILING HEIGHT,
A CENTRALIZED PLAZA,
AND AN OVERHEAD CORRIDOR,
T3WEST WILL FEEL
DIFFERENT FROM T3EAST.
THIS NEW SENSE OF VOLUME AND
SCALE COMPLEMENTS THE
ATMOSPHERIC STRATA OF T3EAST BY
EXTENDING ADJACENT BOLD AND
ANGULAR GEOMETRIES.
THE EXPERIENCES WILL BE SIMILAR,
BUT UNMISTAKABLY DIFFERENT.
WELCOME TO T3WEST.

STRATA CONCEPT

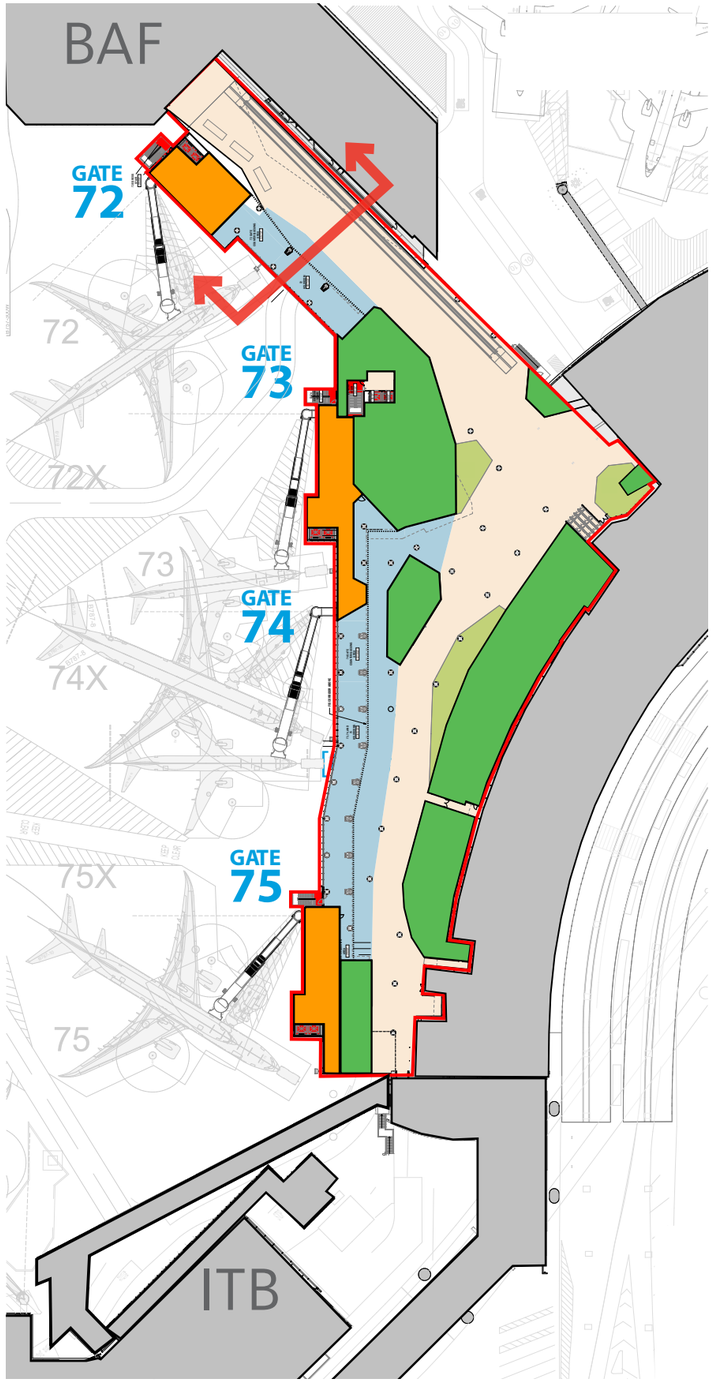
MAINTAINING SFO'S ORIGINAL VISION

THE STRATA CONCEPT FOR T3
IS INSPIRED BY VIEWS OF
EARTH, SKY AND SEA
FROM AN AIRPLANE WINDOW.

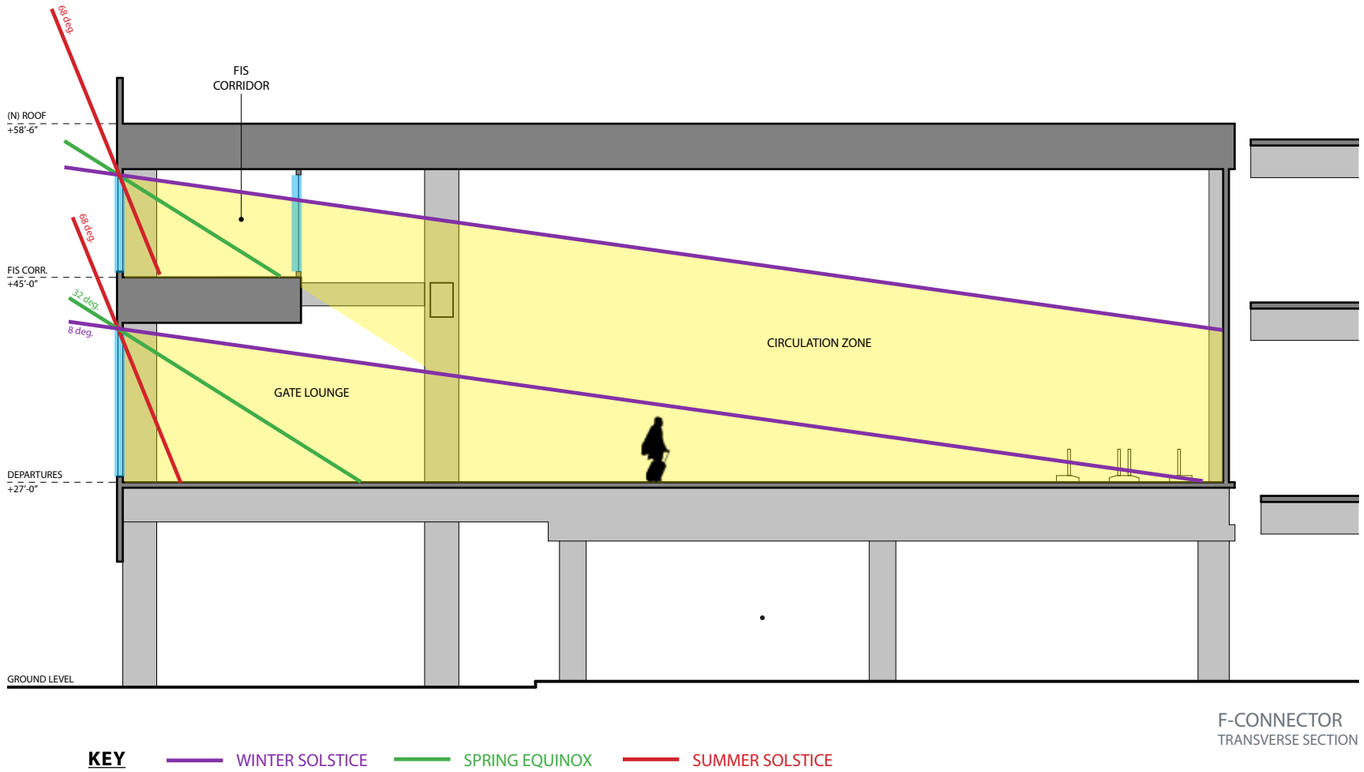
EACH PART OF THE TERMINAL EMPHASIZES
THESE ELEMENTS IN A UNIQUE WAY,
MAKING THE EXPERIENCE
FEEL CONNECTED BUT PUNCTUATED WITH
MOMENTS OF DELIGHT



Terminal 3 West | Departures
Plan and Solar Section Study



DEPARTURES LEVEL

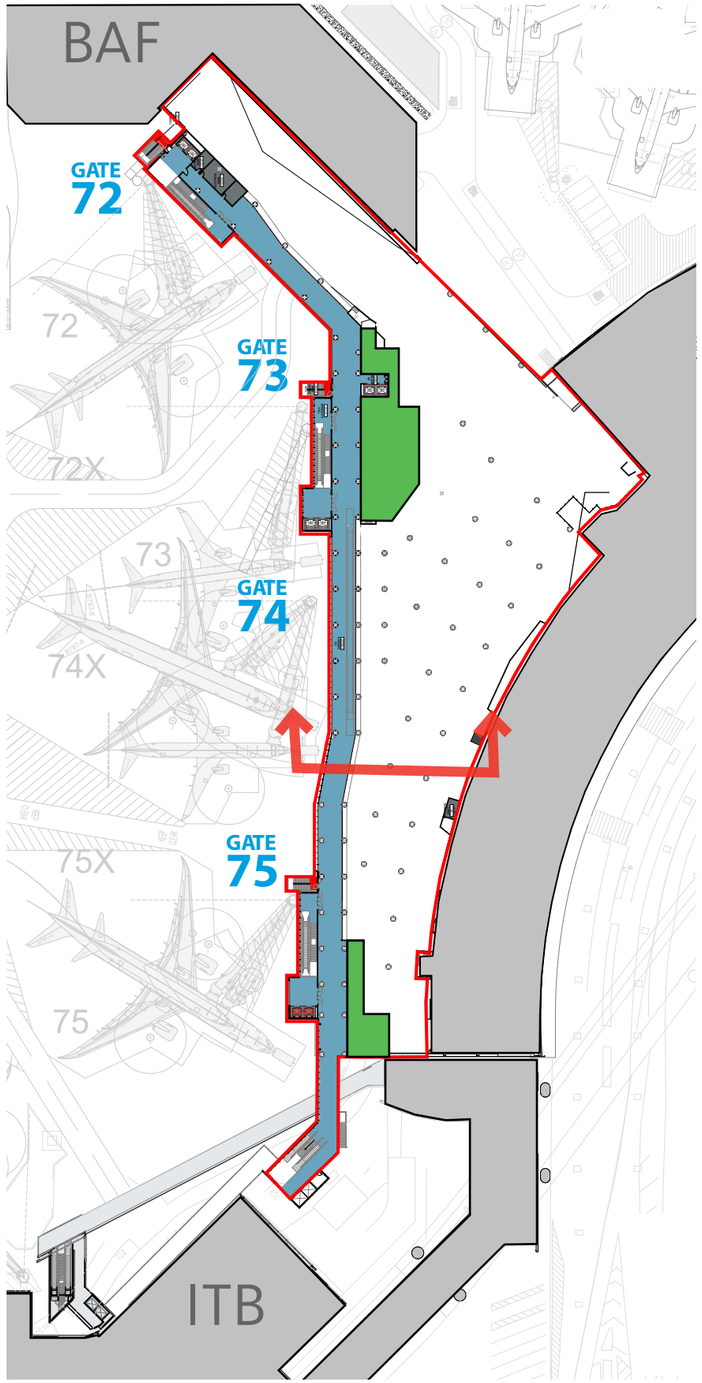


F-CONNECTOR
TRANSVERSE SECTION

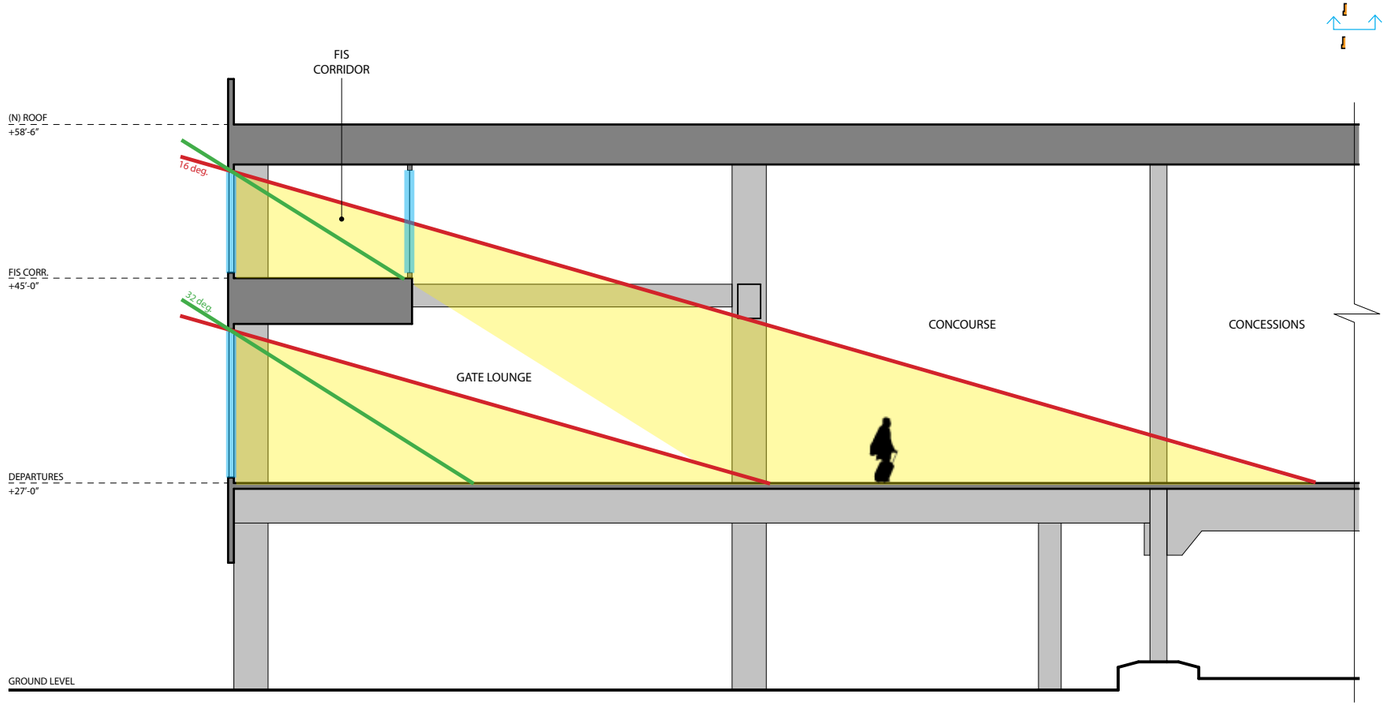
- GATE HOUSES
- ENCLOSED AREAS
- OPEN SEATING
- GATE LOUNGES
- CIRCULATION
- NOT IN SCOPE

Terminal 3 West | FIS/Mezzanine Level

Plan and Solar Section Study



FIS LEVEL

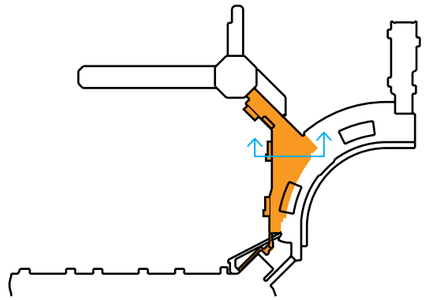


T3W CONCOURSE
TRANSVERSE SECTION

KEY WINTER SOLSTICE | SPRING EQUINOX | SUMMER SOLSTICE

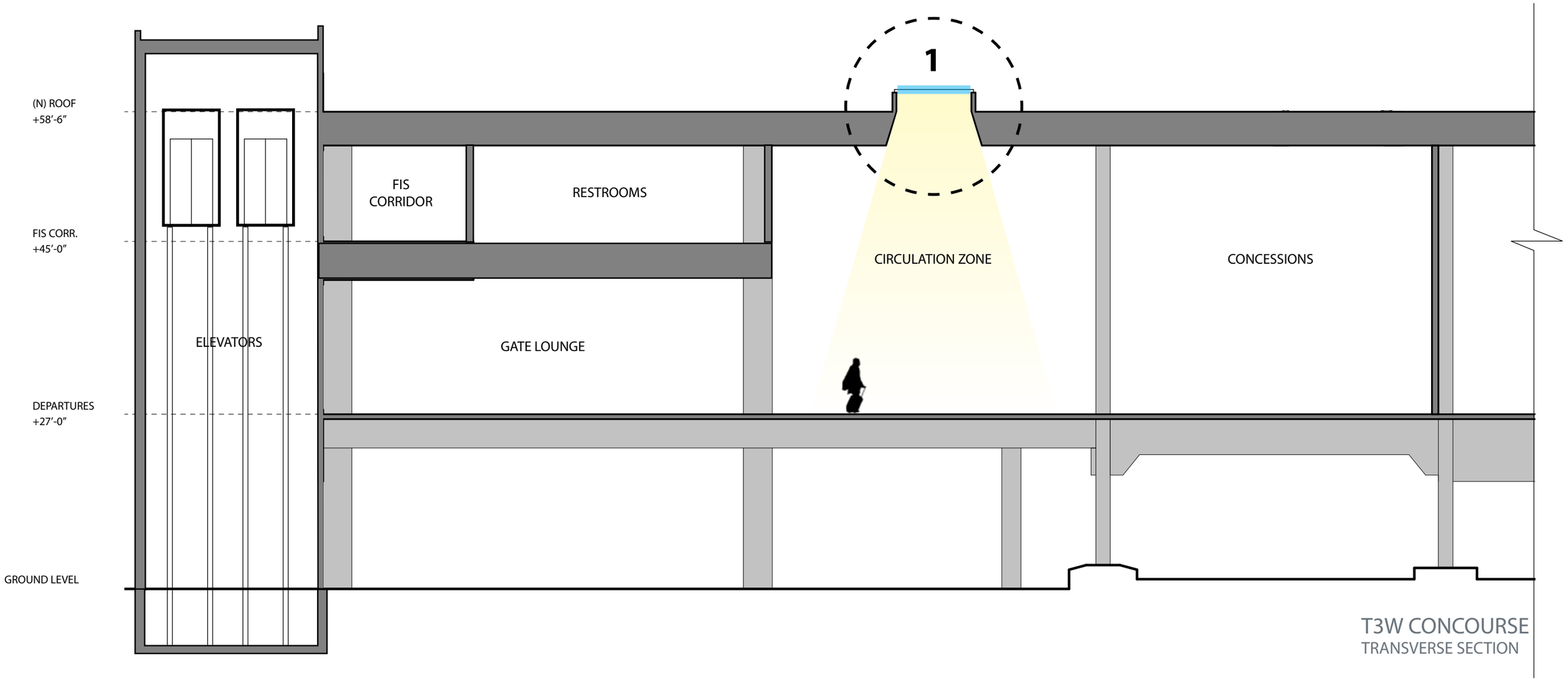
- GATE HOUSES
- ENCLOSED AREAS
- OPEN SEATING
- GATE LOUNGES
- CIRCULATION
- NOT IN SCOPE

Daylighting Analysis Continued



1 Skylights

- Provide daylighting at dark interior zones
- Capture daylight from multiple angles
- Minimize roof penetrations through cone-shaped skylights and reflective surfaces

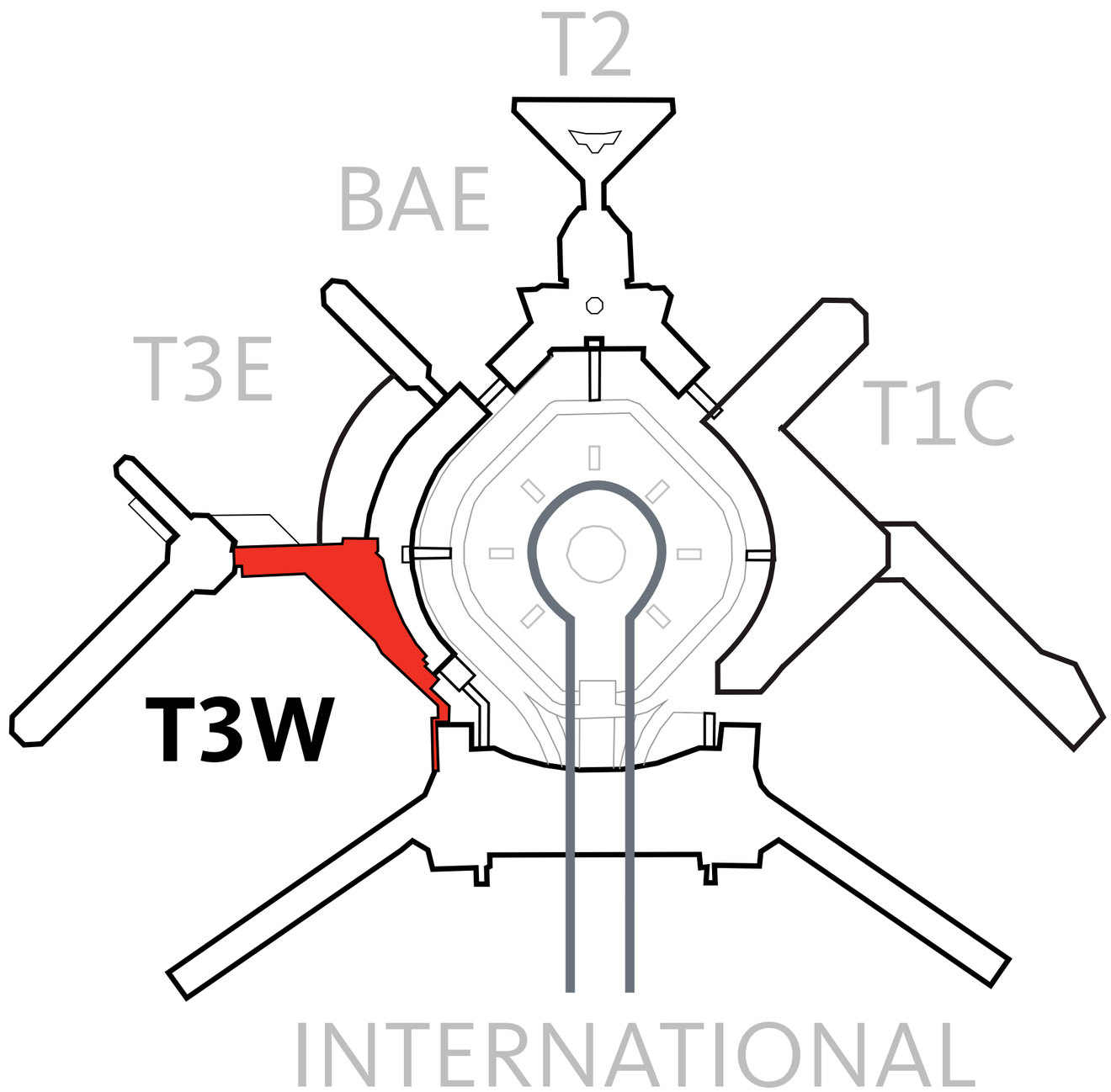


T3W CONCOURSE
TRANSVERSE SECTION

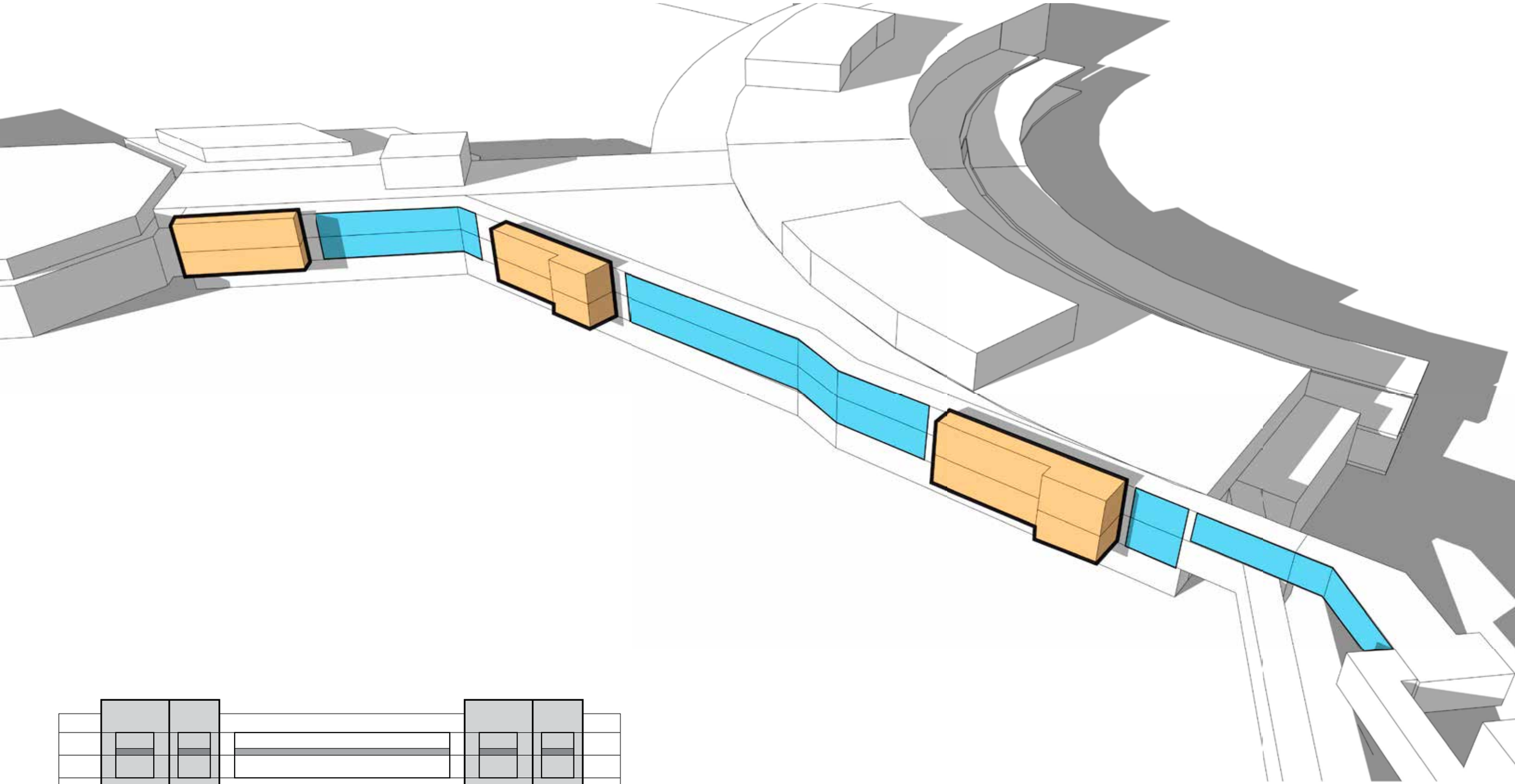
ADJACENCIES MATTER

This project continues the masterplan hierarchy that allows the International Terminal to remain as the “Jewel” of the Airport and primary in Architectural importance. It’s features and materials build upon the existing context that Terminal 3’s previous capital improvements have already created.

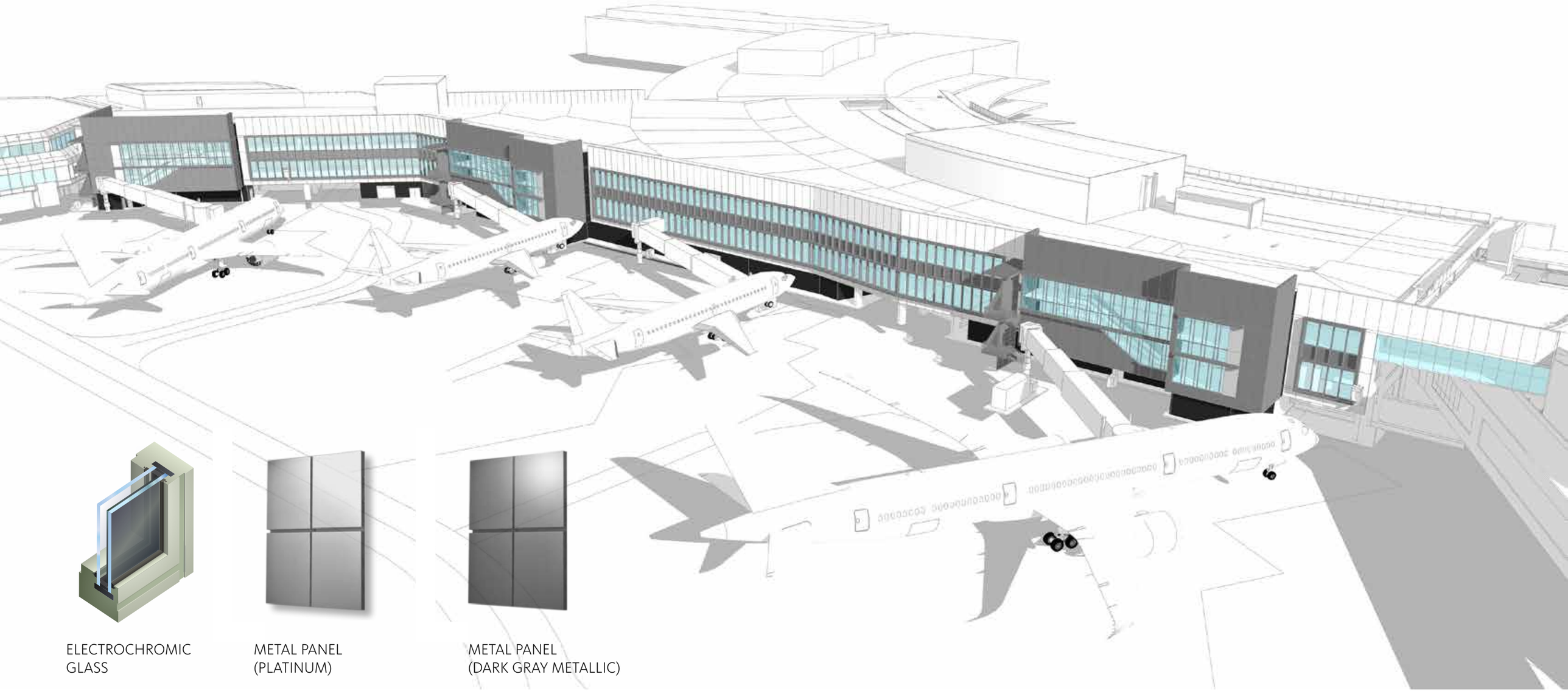
Terminal 3 West will incorporate the architectural language, color and materiality of Terminal 3 West (T3W) and Boarding Area E (BAE) while adapting to reflect its distinct programmatic functions.



Terminal 3 West | Exterior
Tower Scheme Diagram



Terminal 3 West | Exterior
Tower Scheme



ELECTROCHROMIC GLASS

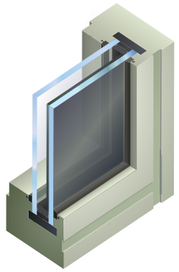
METAL PANEL (PLATINUM)

METAL PANEL (DARK GRAY METALLIC)

Terminal 3 West | Design Cues
Taking Cues From The Adjacent Context

DARK METAL PANEL
(BOARDING AREA E)

ELECTROCHROMIC GLASS
(TERMINAL 1)

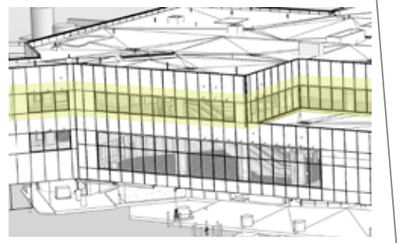


METAL BROW SURROUND
(TERMINAL 3 EAST)

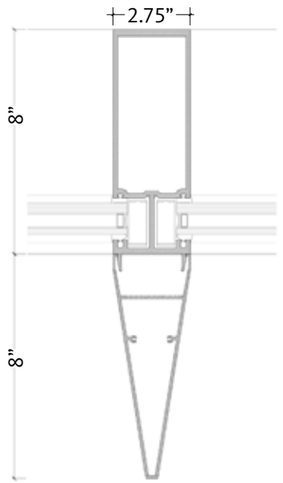
LIGHT METAL PANEL
(TERMINAL 3 EAST)

VERTICAL MULLIONS
(BOARDING AREA E)

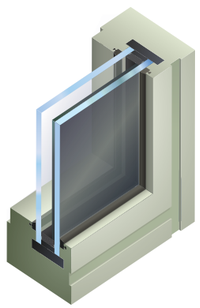
FIS MEZZANINE LEVEL
EXPRESSION (TERMINAL 1)



Terminal 3 West | Exterior
Materials



MULLION PROFILE (DARK GRAY METALLIC)

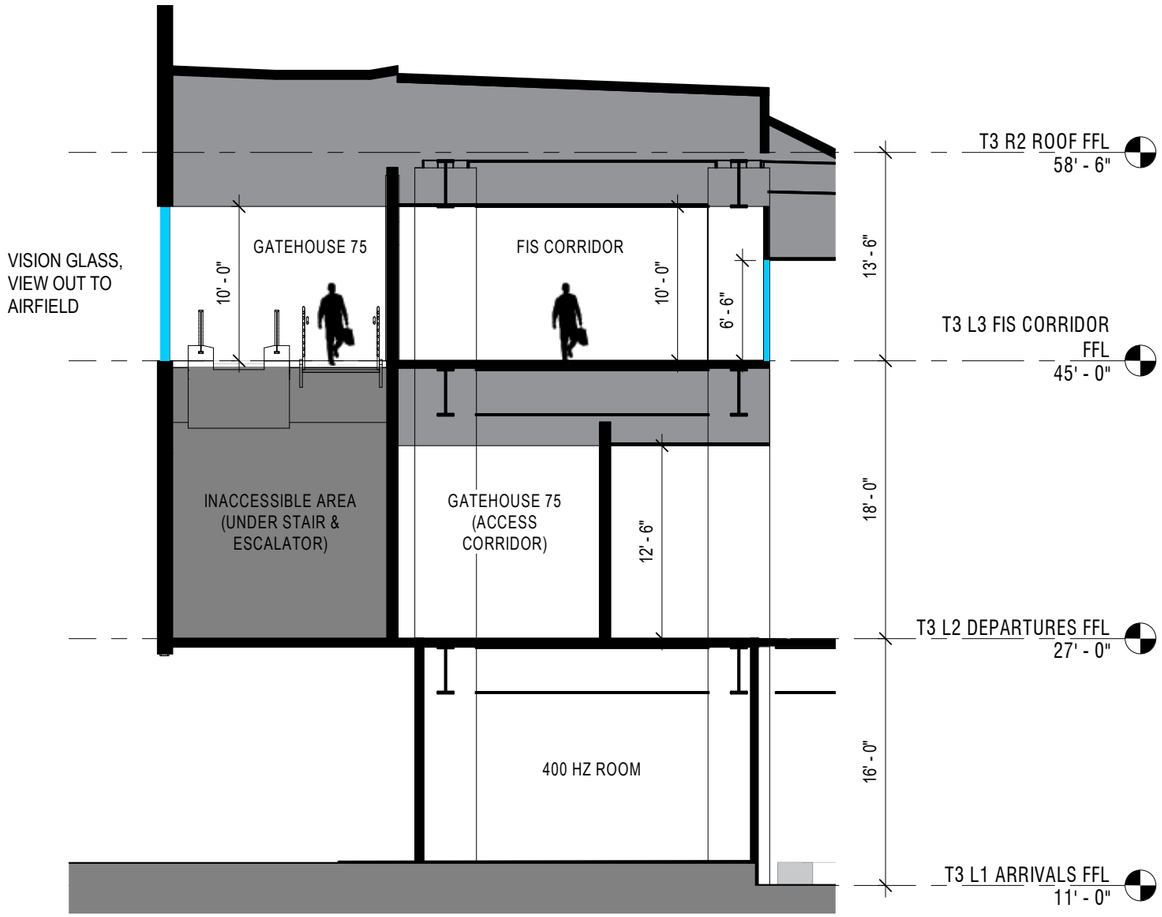


ELECTROCHROMIC GLASS

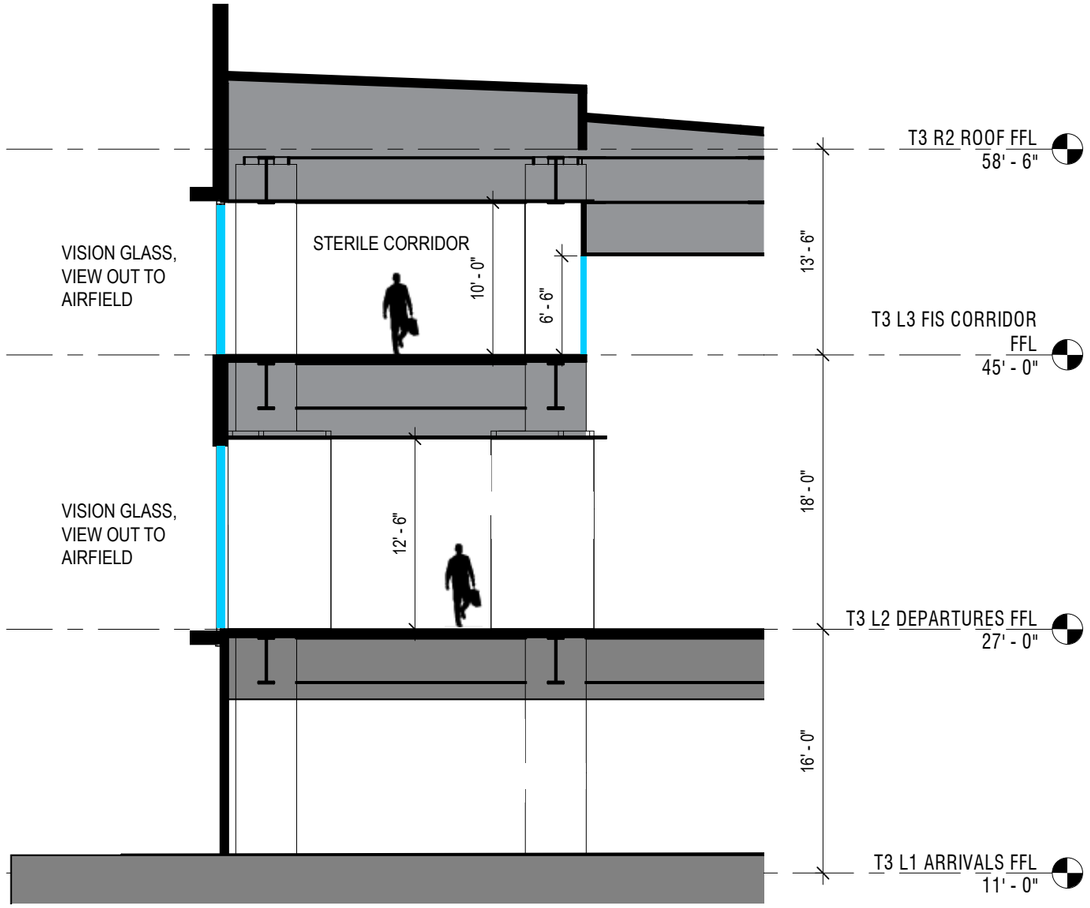
METAL PANEL (PLATINUM)

METAL PANEL (DARK GRAY METALLIC)

Terminal 3 West | Exterior
Facade Sections



TYPICAL SECTION AT GATEHOUSES



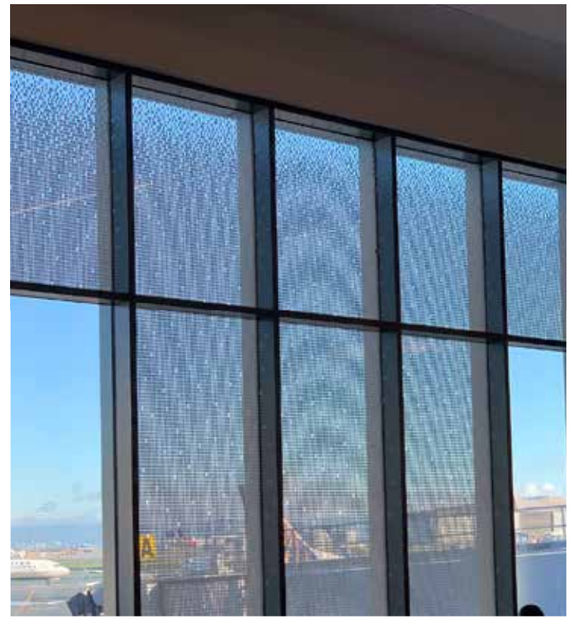
TYPICAL SECTION AT HOLDROOMS AND FIS CORRIDOR

Terminal 3 West | Exterior
Terminal 3 East Reference

CLEAR PERIMETER GLASS W/ FRIT

METAL PANEL (PLATINUM)

METAL PANEL (DARK GRAY METALLIC)



Terminal 3 West | Exterior
Boarding Area E Reference

CLEAR PERIMETER GLASS W/ FRIT

METAL PANEL (PLATINUM)

METAL PANEL (DARK GRAY METALLIC)