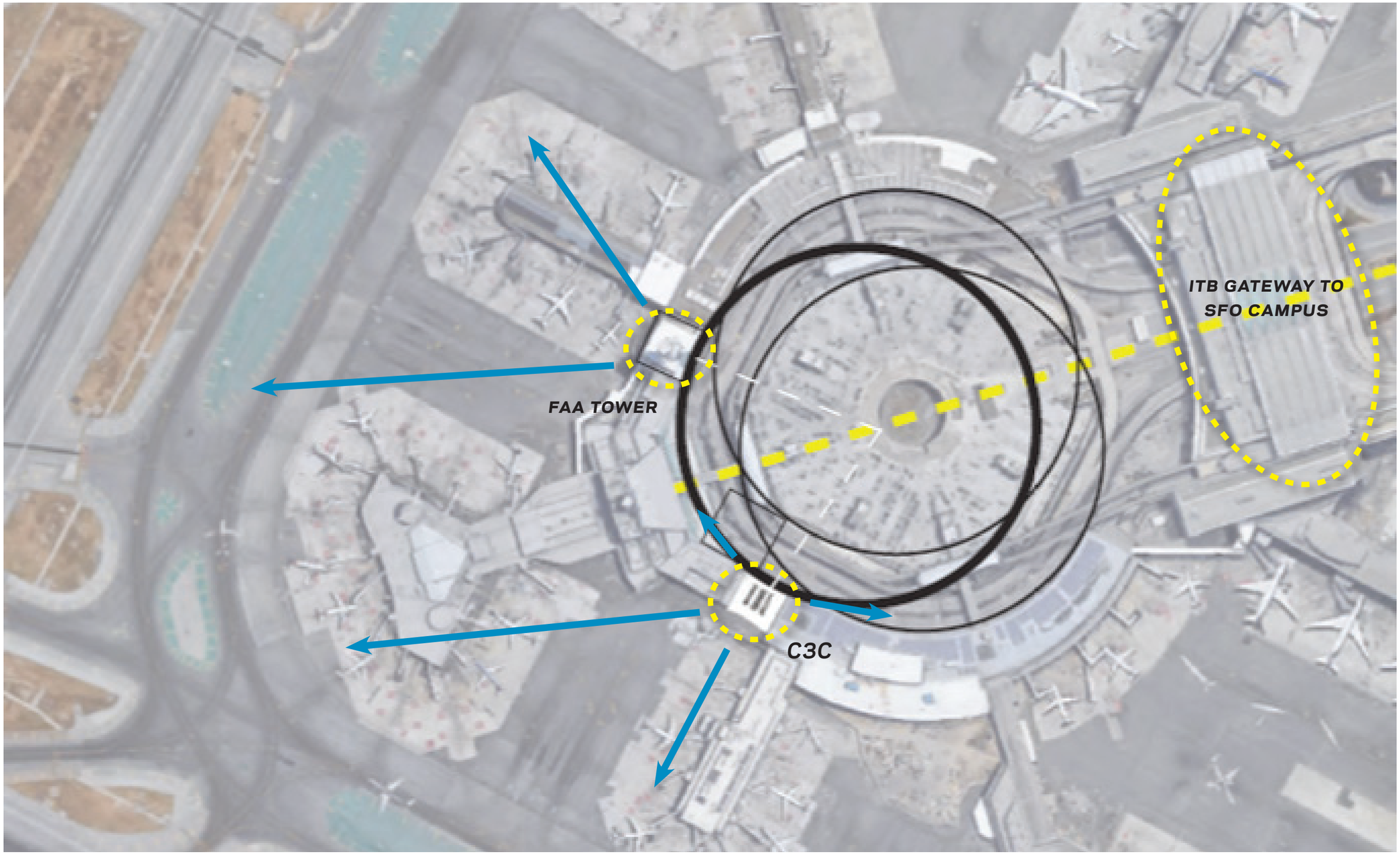
SAN FRANCISCO INTERNATIONAL AIRPORT COURTYARD 3 CONNECTOR

CIVIC DESIGN REVIEW
PHASE 1:SD

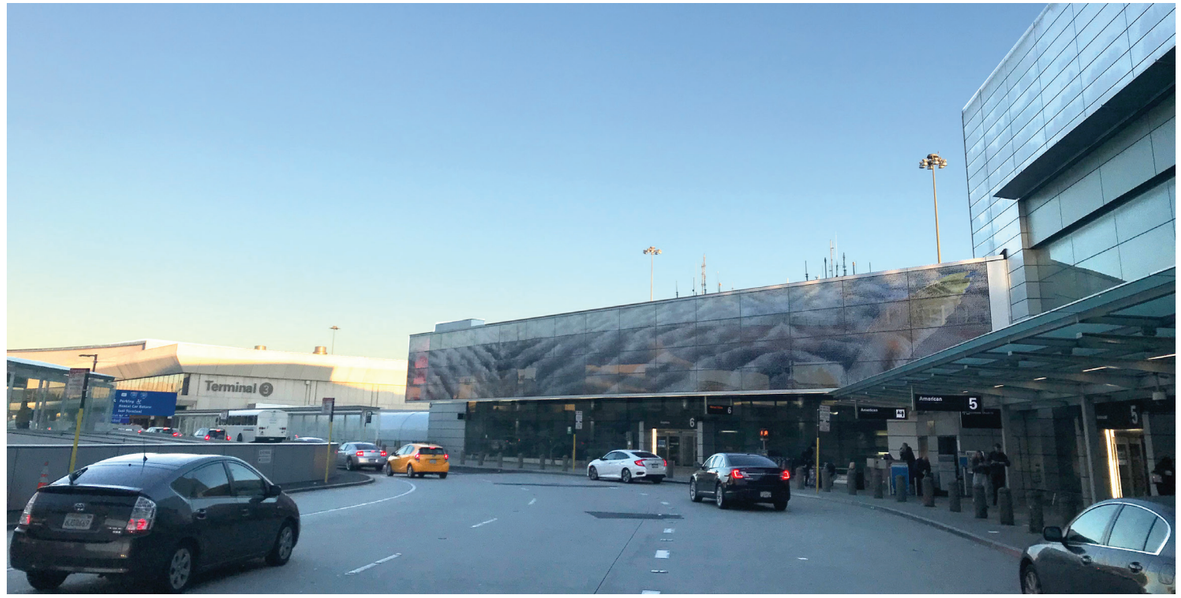
JUNE 17TH 2019

SITE & CONTEXT
AIRSIDE AERIAL



NORTH

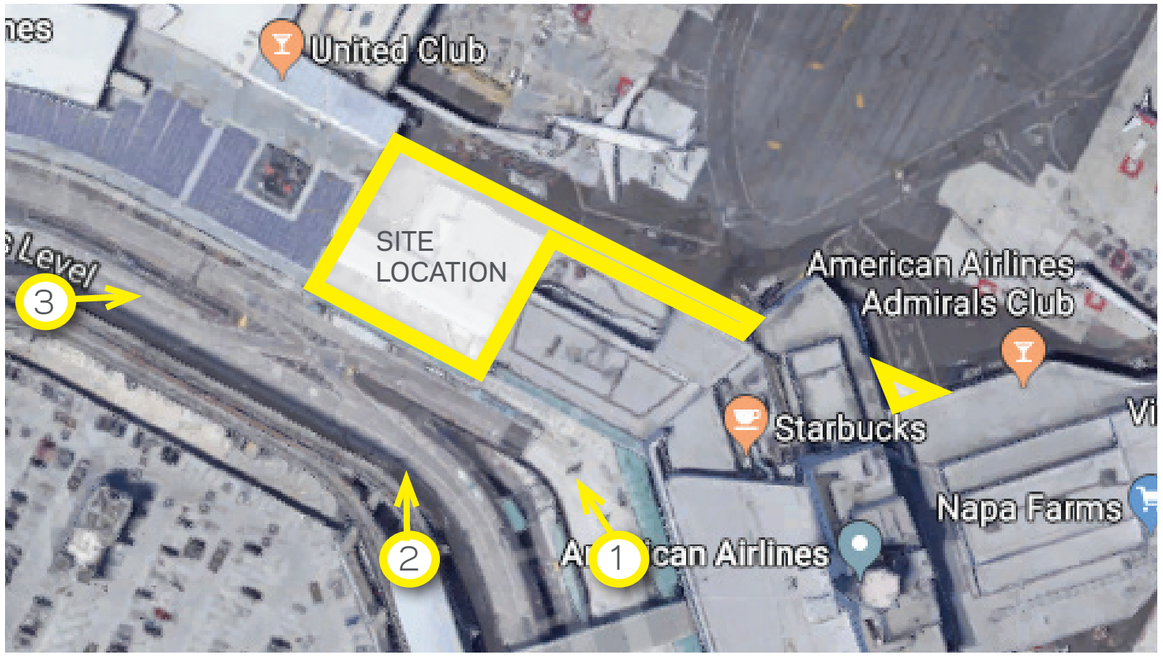
SITE & CONTEXT
SITE PHOTOS



1. DEPARTURES LEVEL APPROACH

2. VIEW FROM PARKING GARAGE / AIR TRAIN PLATFORM

3. VIEW FROM INSIDE AIRTRAIN



4. SITE PLAN

CDR REVIEW - PREVIOUS COMMENTS 2/15/2019 & 4/15/2019

PREVIOUS FEEDBACK

CONCEPT PHASE
02/15/2019:

— Study the hierarchy of intent for the multiple structures on the campus and decipher what significance this building should have within the larger context of the airport

— Refine the building form to be appropriate for the space and site

— Review the intent and program of the building to determine its function versus form

— Consider how the SFO themes of horizontality, fluidity and movement might be integrated into the structure's design

PHASE 1
04/15/2019:

— The Committee thought the new design was not in line with the comments that they provided the team in their last review.

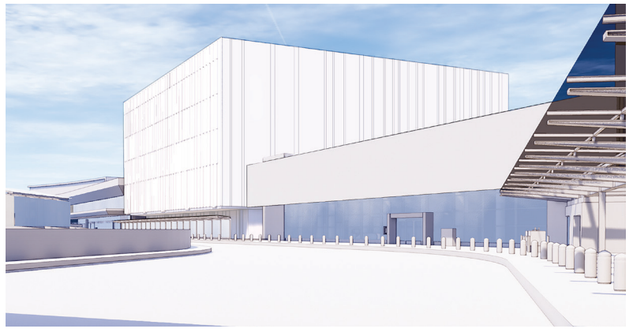
— They believed the previous design had a strong, iconic jewelbox form given its programming and height, and wanted the team to develop this idea further.

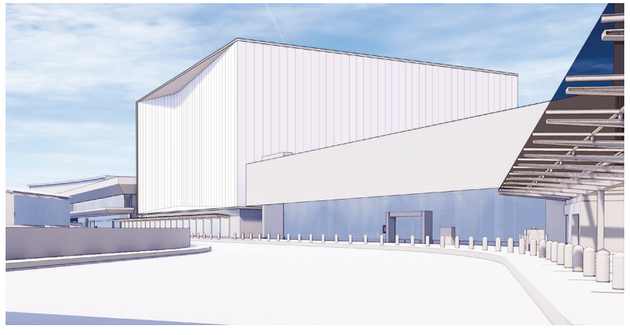
— The Committee felt the new design was neither dynamic or blended enough to the adjacent structures of terminal 2 and terminal 3.

— It was suggested that the project team come for an informal to facilitate a discussion on a design that would resonate with everyone, including the Committee, SFO design team, and stakeholders of the project.

INFORMAL REVIEW
05/13/2019:

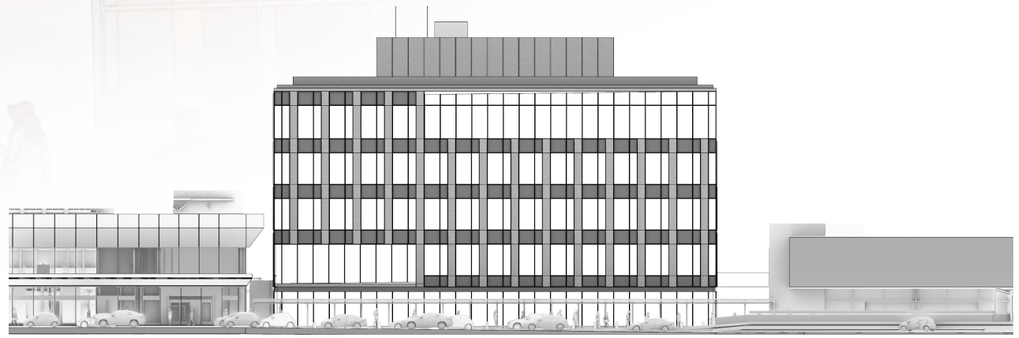
— The front elevation would work better if the horizontal proportions were addressed in a more major way.





INFORMAL SESSION DESIGN

LANDSIDE

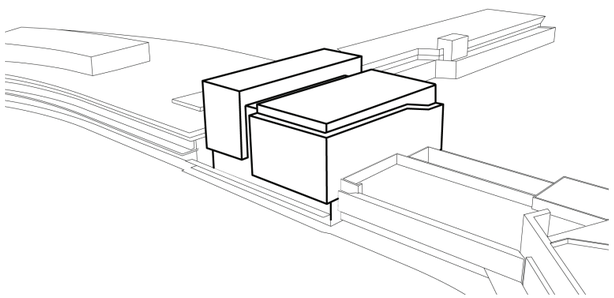


SOUTH ELEVATION

INFORMAL SESSION DESIGN

AIRSIDE

DESIGN PROCESS
THROUGH INFORMAL CDR



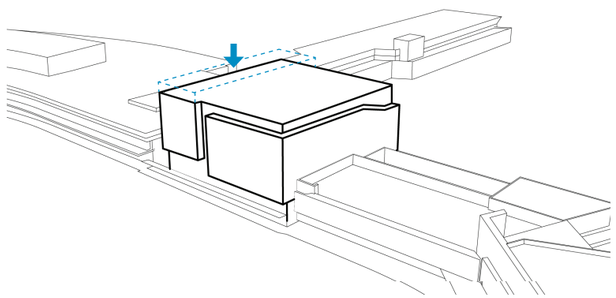
SD DESIGN APPROACH

CDR COMMENTS:
1. STUDY THE ***HIERARCHY*** OF INTENT FOR THE MULTIPLE STRUCTURES ON THE CAMPUS AND DECIPHER WHAT SIGNIFICANCE THIS BUILDING SHOULD HAVE WITHIN THE LARGER CONTEXT OF THE AIRPORT

2. REFINE THE BUILDING FORM TO BE ***APPROPRIATE FOR THE SPACE AND SITE***

3. REVIEW THE INTENT AND PROGRAM OF THE BUILDING TO DETERMINE ITS ***FUNCTION VERSUS FORM***

4. CONSIDER HOW THE SFO THEMES OF ***HORIZONTALITY, FLUIDITY AND MOVEMENT*** MIGHT BE INTEGRATED INTO THE STRUCTURE'S DESIGN

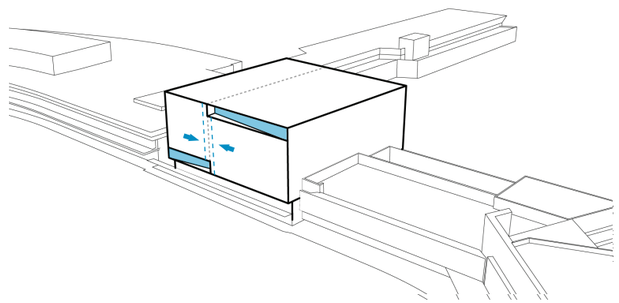


REDUCE WEST MASS

CDR COMMENTS:
1. STUDY THE ***HIERARCHY*** OF INTENT FOR THE MULTIPLE STRUCTURES ON THE CAMPUS AND DECIPHER WHAT SIGNIFICANCE THIS BUILDING SHOULD HAVE WITHIN THE LARGER CONTEXT OF THE AIRPORT

2. REFINE THE BUILDING FORM TO BE ***APPROPRIATE FOR THE SPACE AND SITE***

RESPONSE:
- OVERALL HEIGHT OF WEST MASSING HAS BEEN REDUCED, PUTTING THE BUILDING MORE ***IN LINE WITH THE SURROUNDING CONTEXT***.



UNIFY MASS - ANGLE CARVE MOMENTS

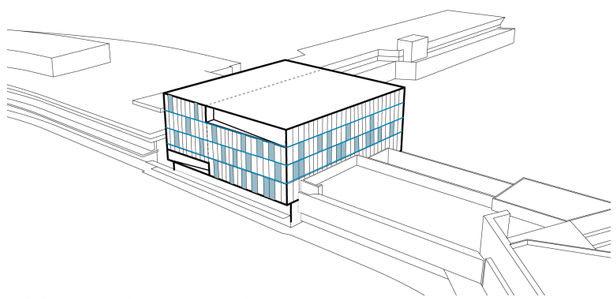
CDR COMMENTS:
3. REVIEW THE INTENT AND PROGRAM OF THE BUILDING TO DETERMINE ITS ***FUNCTION VERSUS FORM*** INTEGRATED INTO THE STRUCTURE'S DESIGN

4. CONSIDER HOW THE SFO THEMES OF ***HORIZONTALITY, FLUIDITY AND MOVEMENT*** MIGHT BE INTEGRATED INTO THE STRUCTURE'S DESIGN

RESPONSE:
-THE VERTICAL SLOT IN THE BUILDING HAS BEEN REMOVED TO CREATE A PURE FORM RELATED TO ITS SINGULAR FUNCTION.

-***HORIZONTALITY AND CONNECTION TO CONTEXT IS REINFORCED*** BY USING ADJACENT DATUM LINES TO SCULPT THE SIMPLIFIED MASS

-CARVE ELEMENTS ARE ANGLED INWARD ***REFLECTING THE GEOMETRY AND MOVEMENT OF THE SFO RING ROAD***

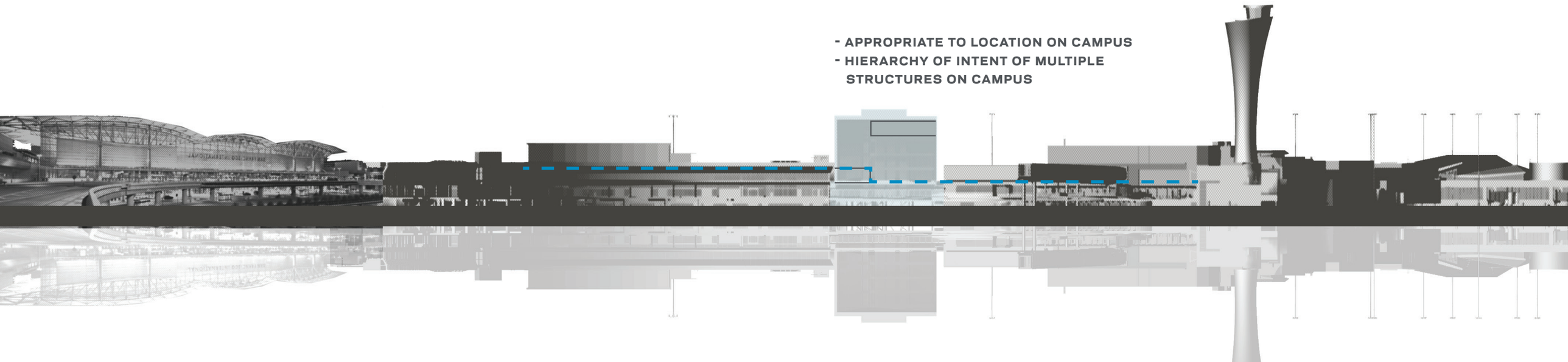


FACADE PATTERNING

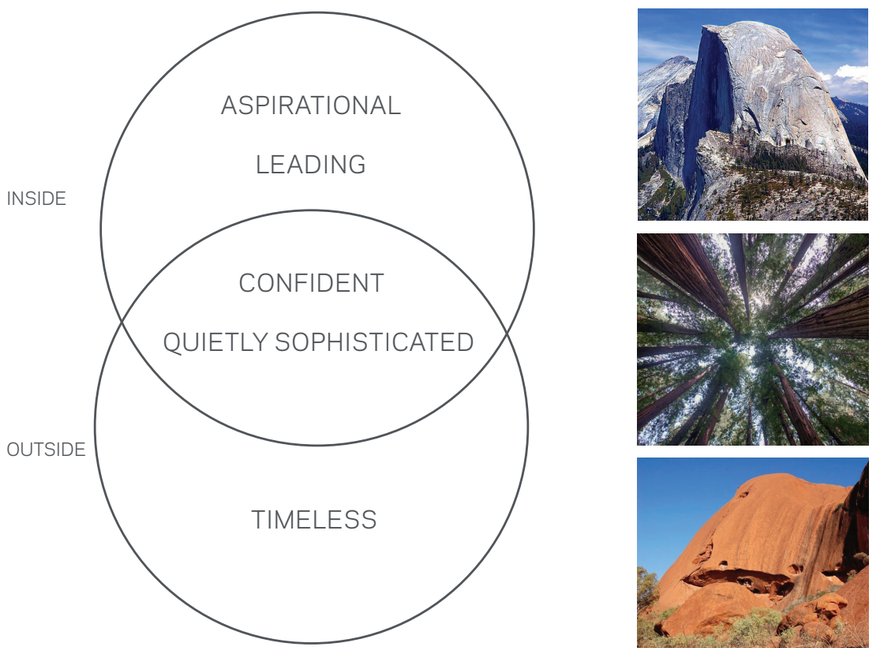
CDR COMMENTS:
4. CONSIDER HOW THE SFO THEMES OF HORIZONTALITY, ***FLUIDITY AND MOVEMENT*** MIGHT BE INTEGRATED INTO THE STRUCTURE'S DESIGN

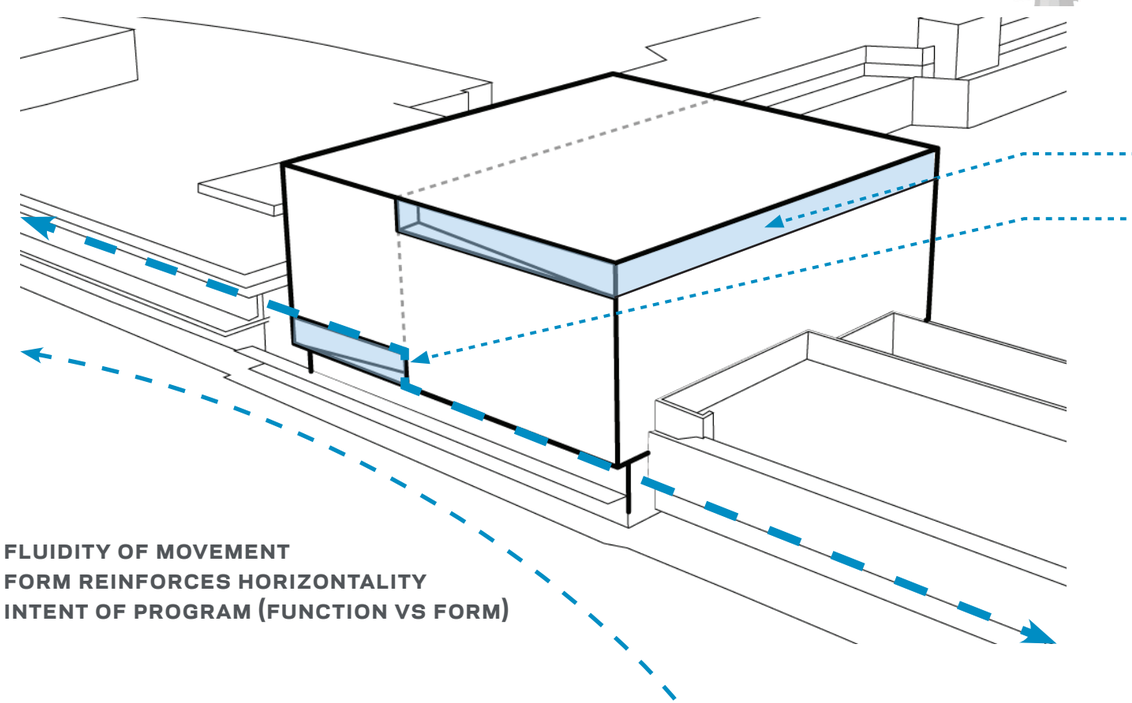
RESPONSE:
-DATA DRIVEN FACADE PATTERING IS DEFINED BY SOLAR ORIENTATION, INTERIOR PROGRAM AND VIEW. THE RESULT IS A FACADE THAT ***VARIES PER FLOOR AND FACE BASED ON THIS DATA***.

DESIGN VISION AND CONCEPT



- APPROPRIATE TO LOCATION ON CAMPUS
- HIERARCHY OF INTENT OF MULTIPLE STRUCTURES ON CAMPUS





- FLUIDITY OF MOVEMENT
- FORM REINFORCES HORIZONTALITY
- INTENT OF PROGRAM (FUNCTION VS FORM)

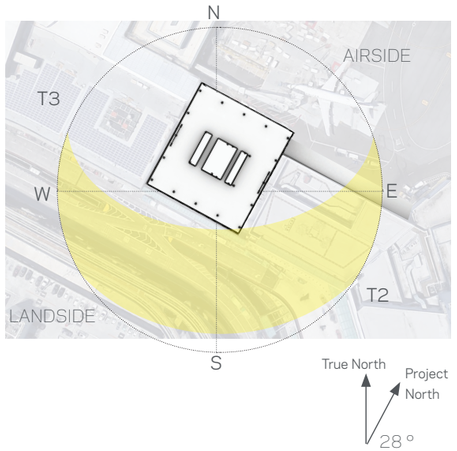
EXPRESSION OF EXECUTIVE LEVEL PROGRAM

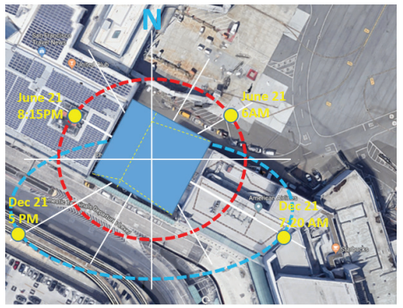
CARVE MOMENTS RESPOND TO DIRECTIONALITY AND MOVEMENT OF THE CAMPUS, REINFORCING HORIZONTALITY AND BREAKING DOWN THE MASS

FACADE PATTERNING

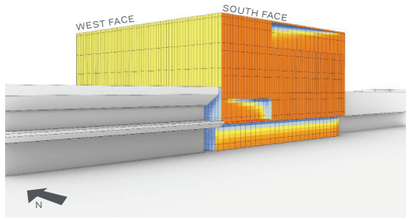
DATA BASED WINDOW WALL DISTRIBUTION

DATA SET 1: ENVIRONMENTAL ANALYSIS

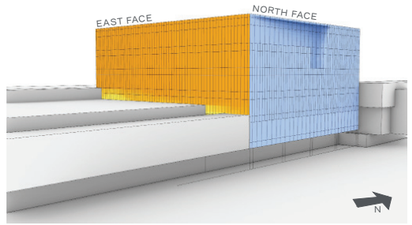




SOLAR ORIENTATION



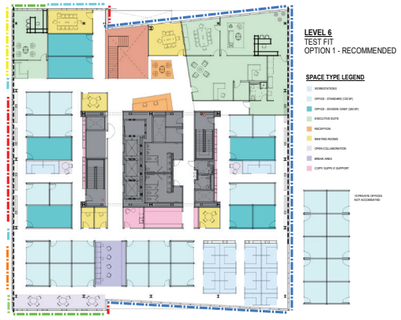
SOLAR RADIATION WEST AND SOUTH



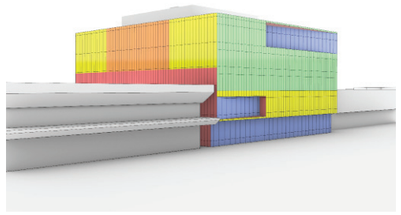
SOLAR RADIATION EAST AND NORTH

DATA SET 2: VIEW + PROGRAM

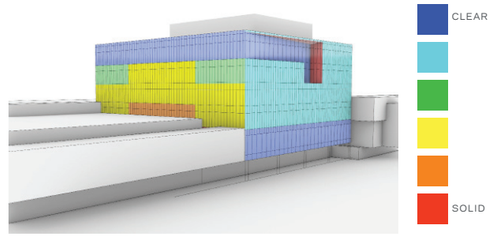
VIEWS



PROGRAM



DENSITY BLOCKING WEST AND SOUTH

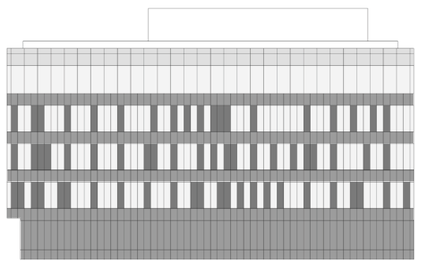


DENSITY BLOCKING EAST AND NORTH

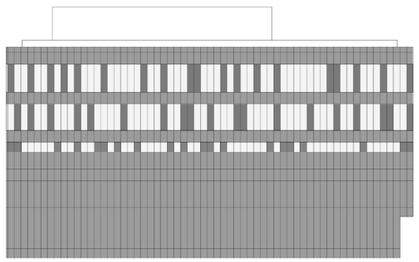
RESULT: DATA BASED WINDOW WALL DISTRIBUTION

SOUTH ELEVATION: 69 SOLID PANELS

NORTH ELEVATION: 31 SOLID PANELS



EAST ELEVATION: 65 SOLID PANELS



WEST ELEVATION: 38 SOLID PANELS

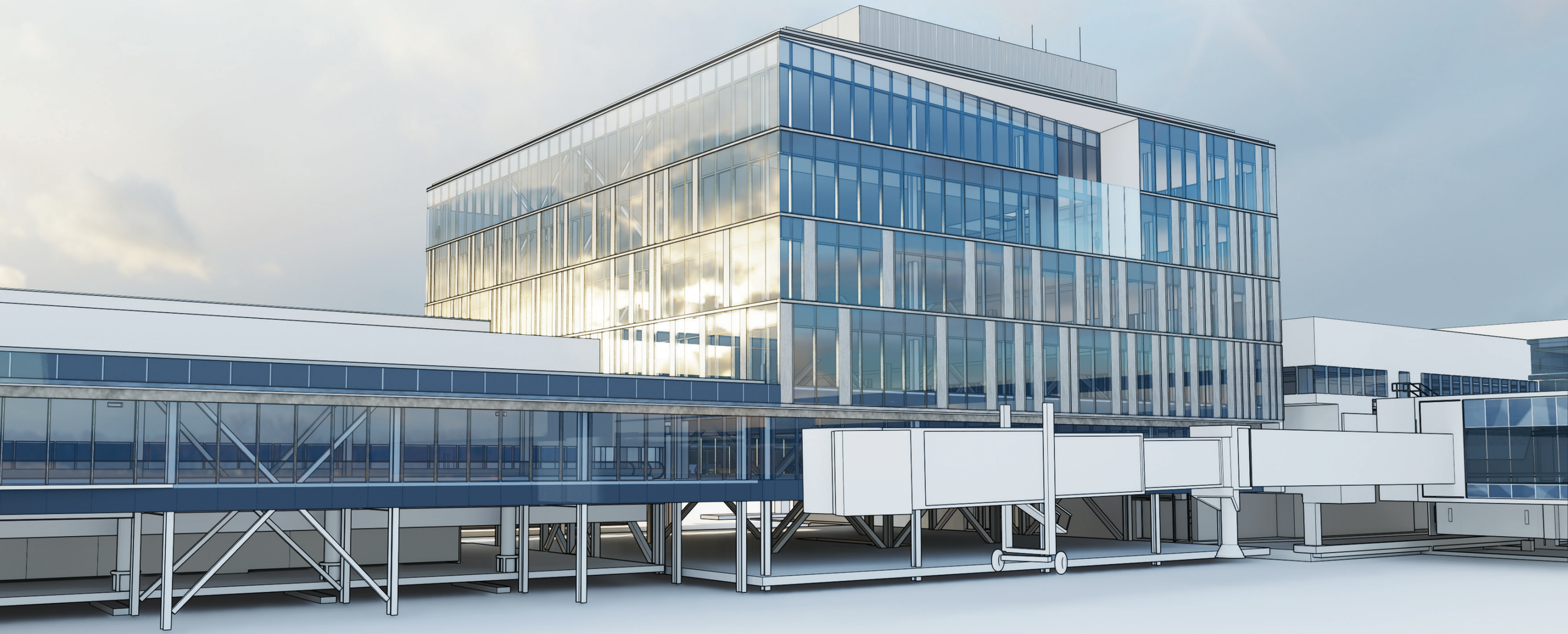
LANDSIDE
OPTION 1

SOUTH ELEVATION

LANDSIDE

OPTION 1 - LOOKING BACK

AIRSIDE
OPTION 1



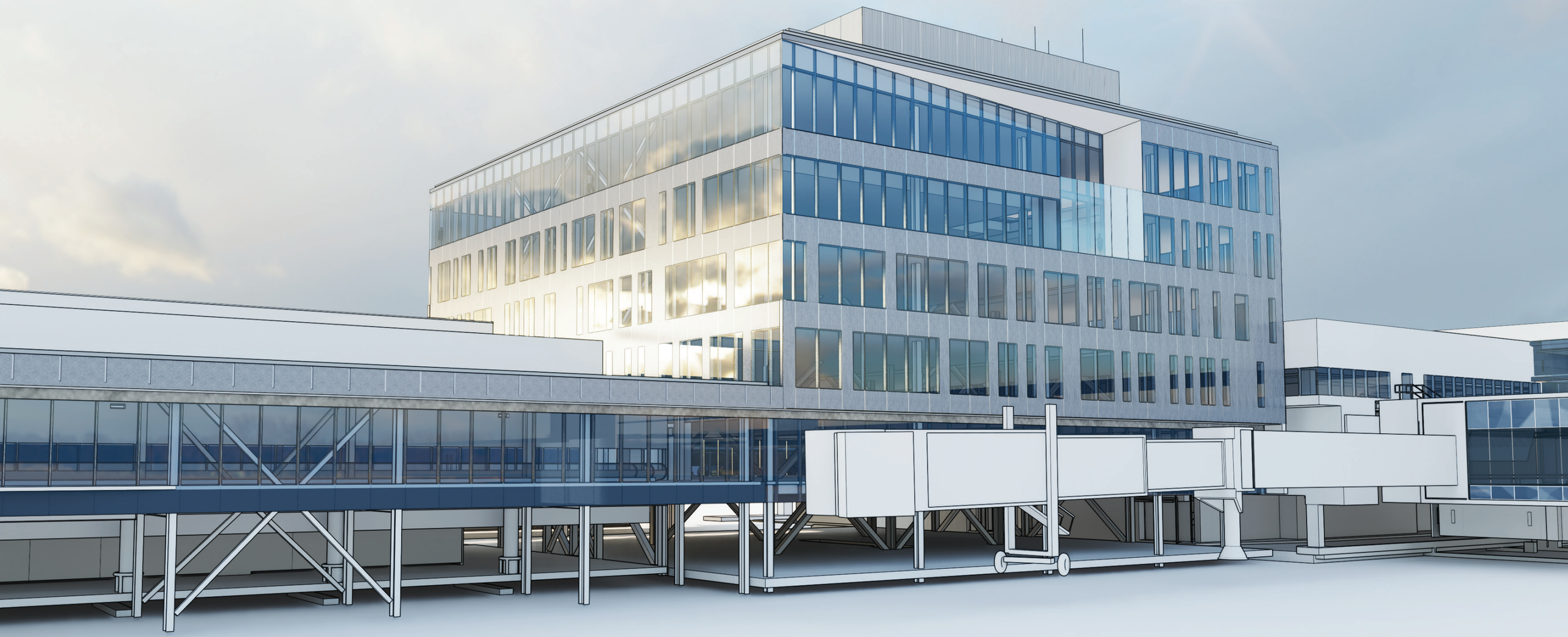
LANDSIDE
OPTION 2

SOUTH ELEVATION

LANDSIDE

OPTION 2 - LOOKING BACK

AIRSIDE
OPTION 2



MATERIALITY

Clear glass, low-e coating "Cyrstal Gray"

D

Clear glass, low-e coating "Crystal Gray"

Centria #9967 "XL Pewter"

B

Centria #9967 XL Pewter

PPG's Duranar "Sunstorm Arcadia Silver" C2005-M

A

PPG's Duranar "Sunstorm Arcadia Silver" C2005-M

Pantone 7527

A

Pantone 7577

Pantone 7C

B

Pantone 7C

Tintned glass

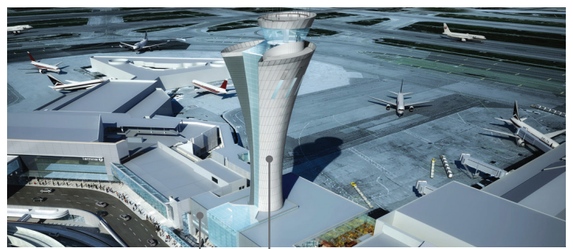
C

Tinted Glass

Pantone 7C

D

Pantone 7C



Valspar Fluropon Classic, Preweathered Galvalume

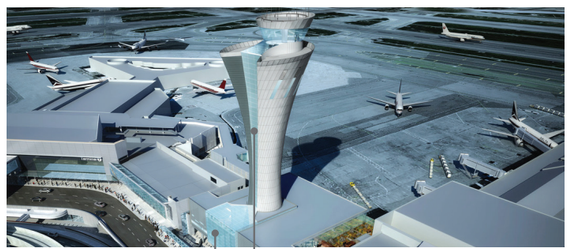
A

Valspar Fluropon Classic Preweathered Galvalume

Valspar Fluropon Class, Arcadia Silver

B

Valspar Fluropon Class, Arcadia Silver



PPG "Solarban 70XL"

C

"Solarban 70XL

THANK YOU