



San Francisco International Airport Terminal 1

Civic Design Review_Phase II Design Development

August 15, 2016



San Francisco International Airport
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SFO T1 CIVIC DESIGN REVIEW

PHASE II DESIGN DEVELOPMENT

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- 8. AIRSIDE ELEVATION.

RESPONSE TO PREVIOUS CDRC COMMENTS

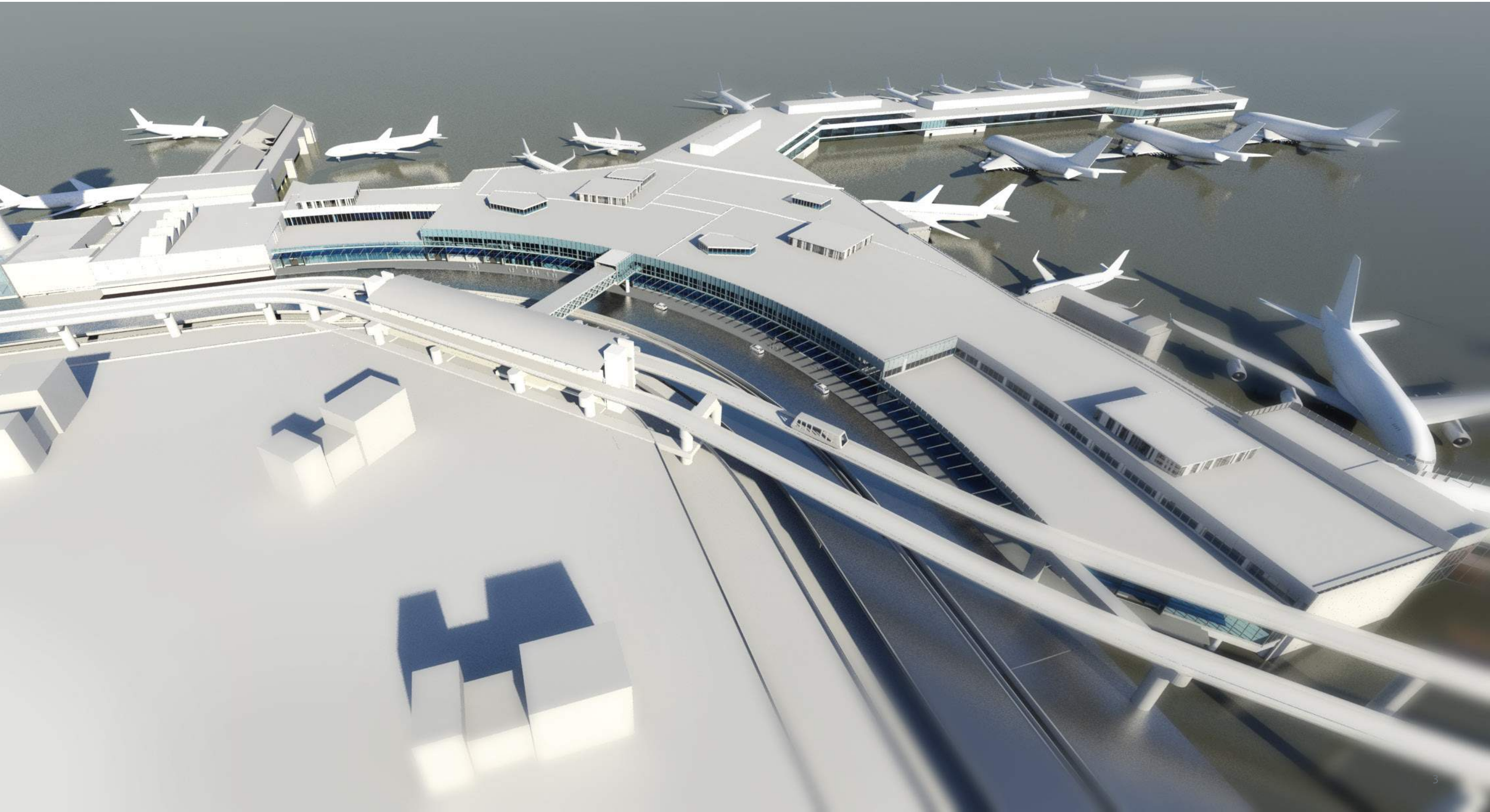
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1. TERMINAL LANDSIDE AERIAL VIEW



2. TERMINAL AIRSIDE AERIAL VIEW



3. CREATING A BAY AREA NATURALISM EXPERIENCE: FRITT PATTERN MAKING PROCESS



4. TERMINAL CURBSIDE VIEW



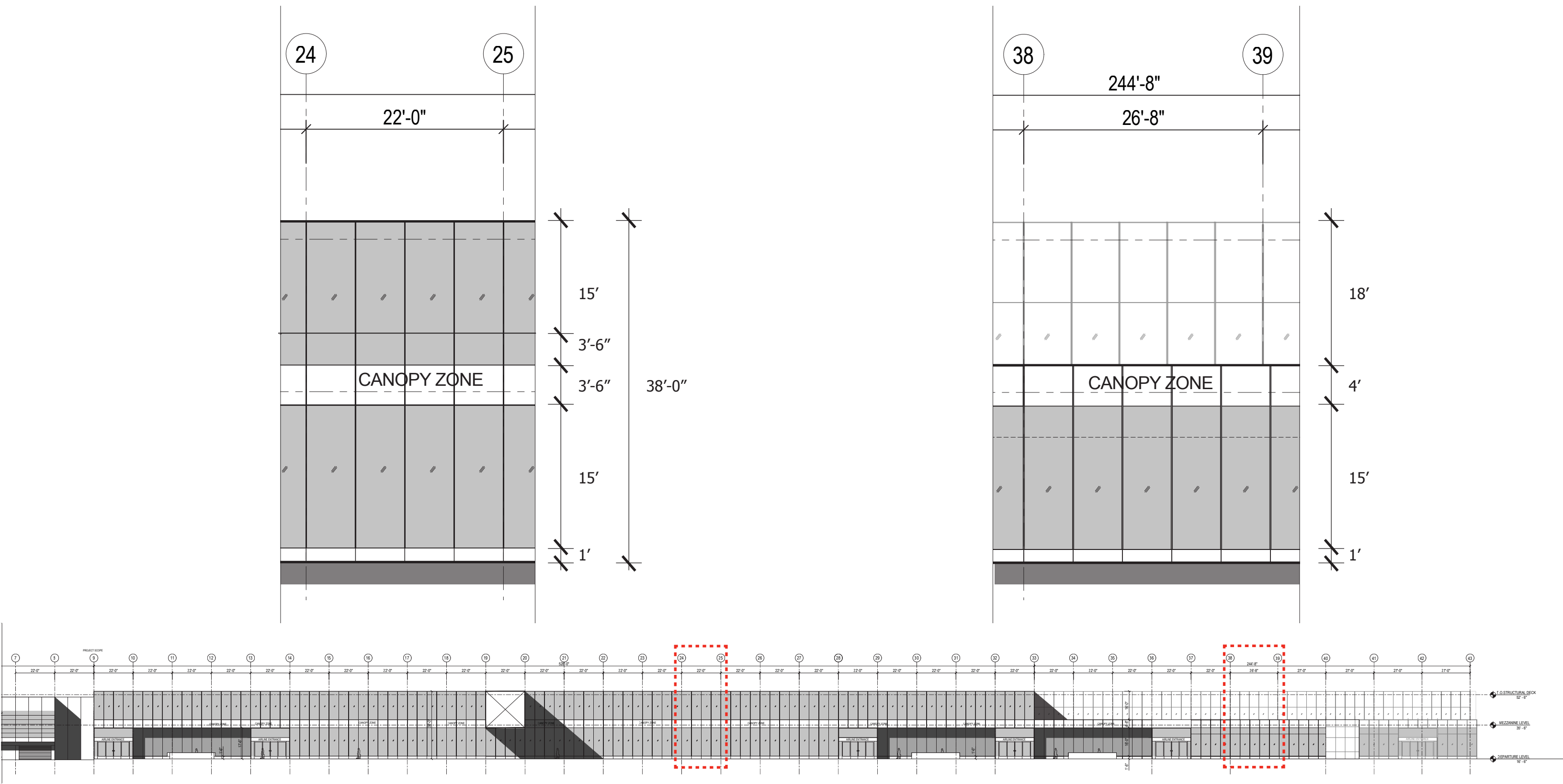
5. TERMINAL CURBSIDE EXPRESSION



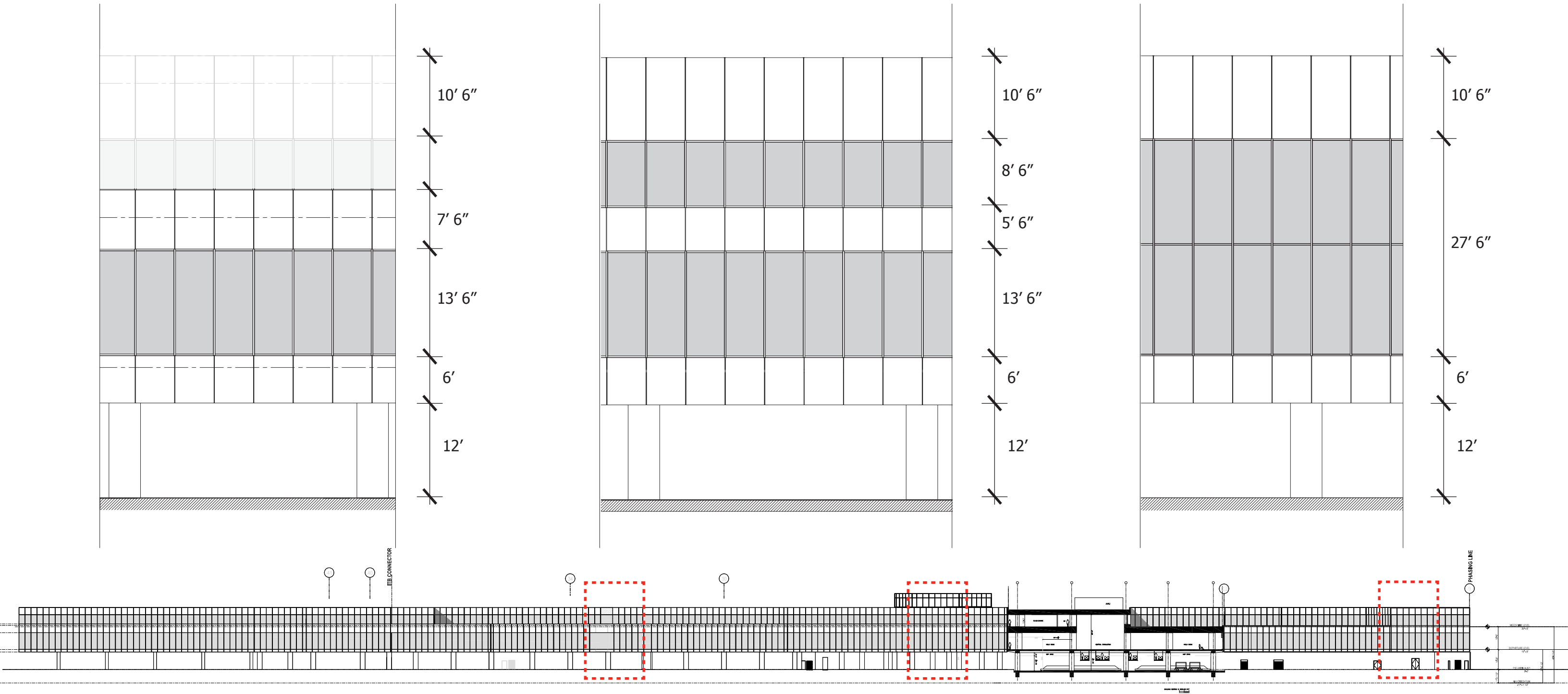
6. TERMINAL VESTIBULE EXPRESSION



7. TERMINAL LANDSIDE ELEVATION



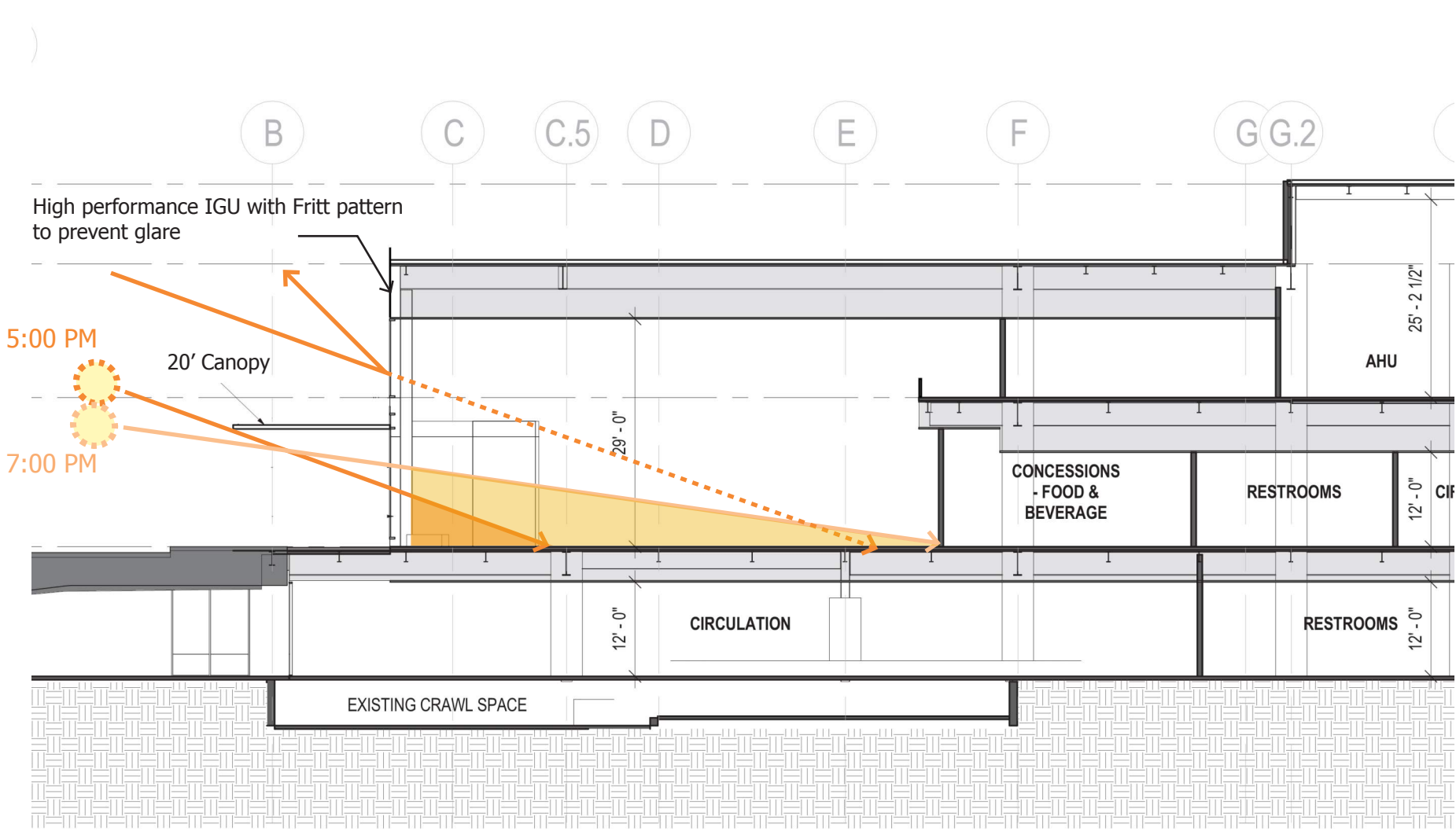
8. TERMINAL AIRSIDE ELEVATION



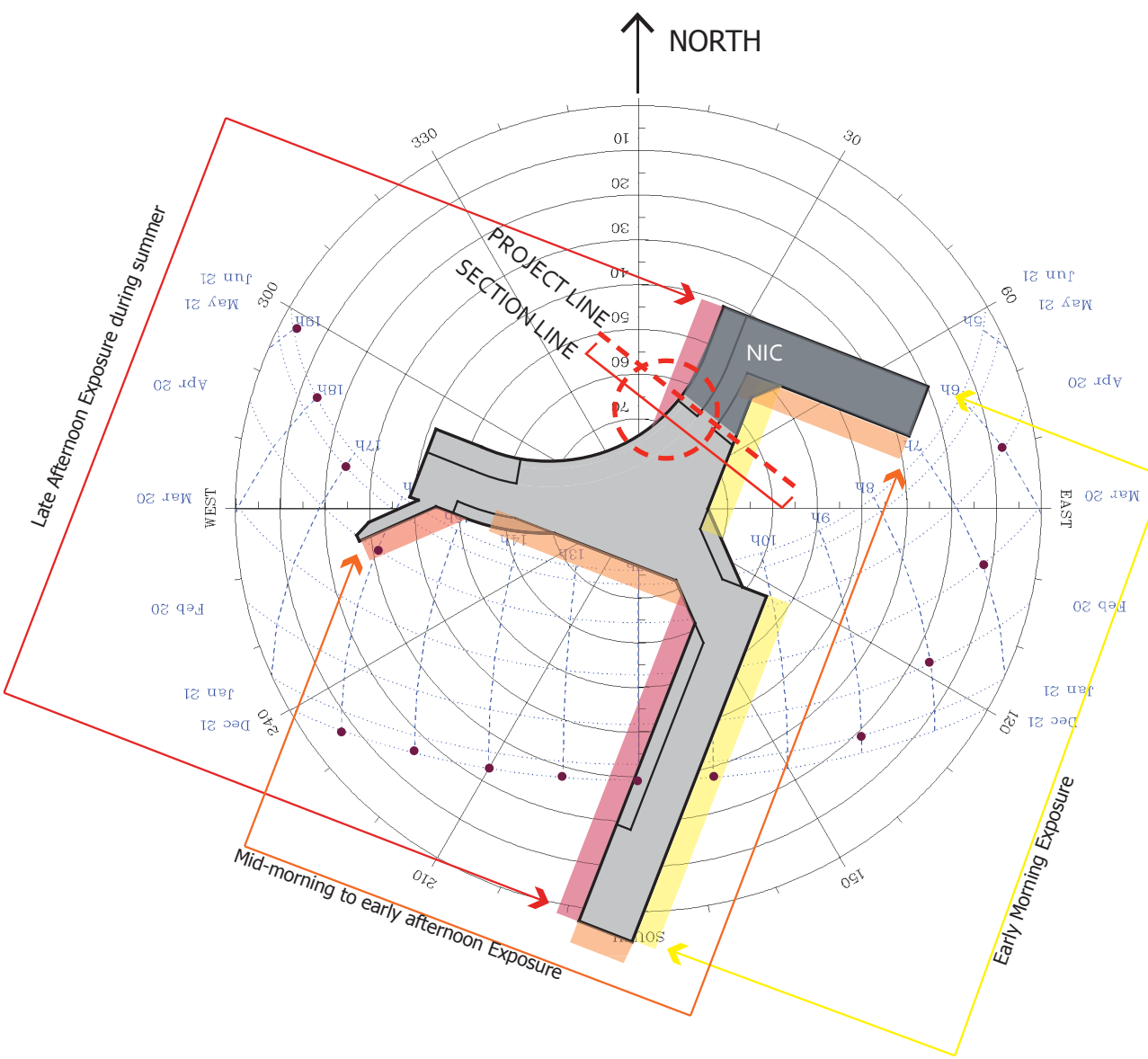
9. EXISTING BRIDGE CONNECTION

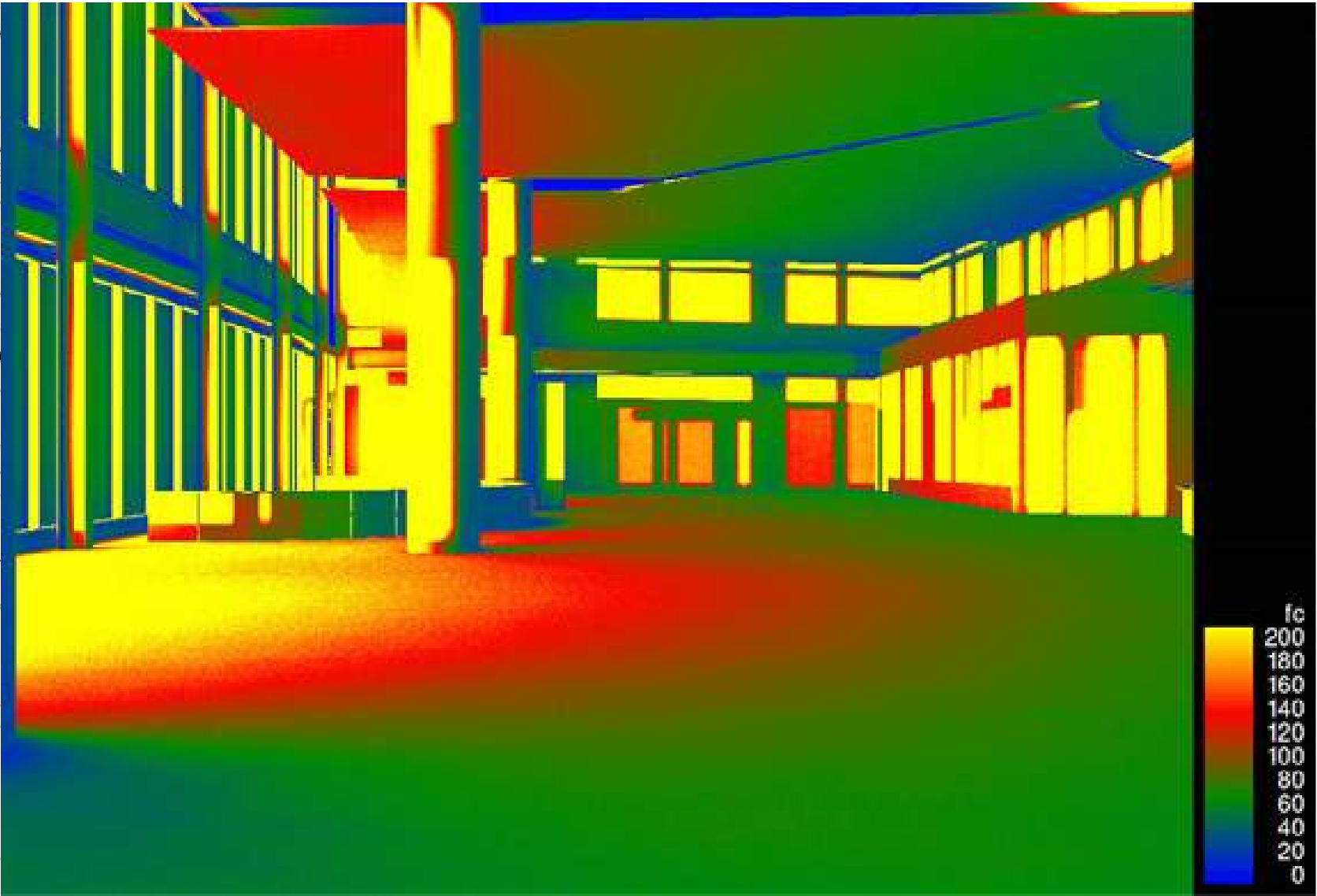
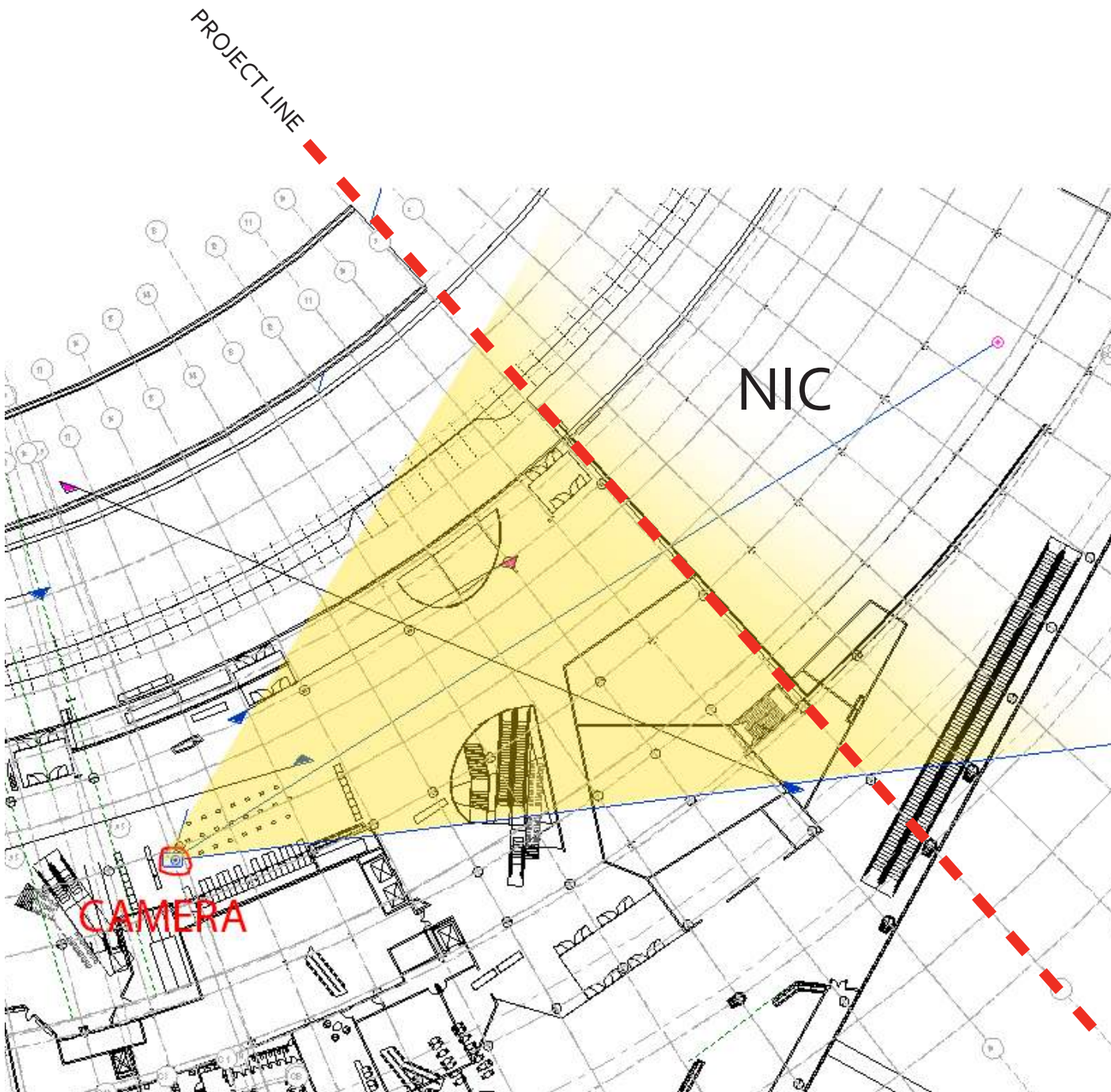


10. GLARE ANALYSIS



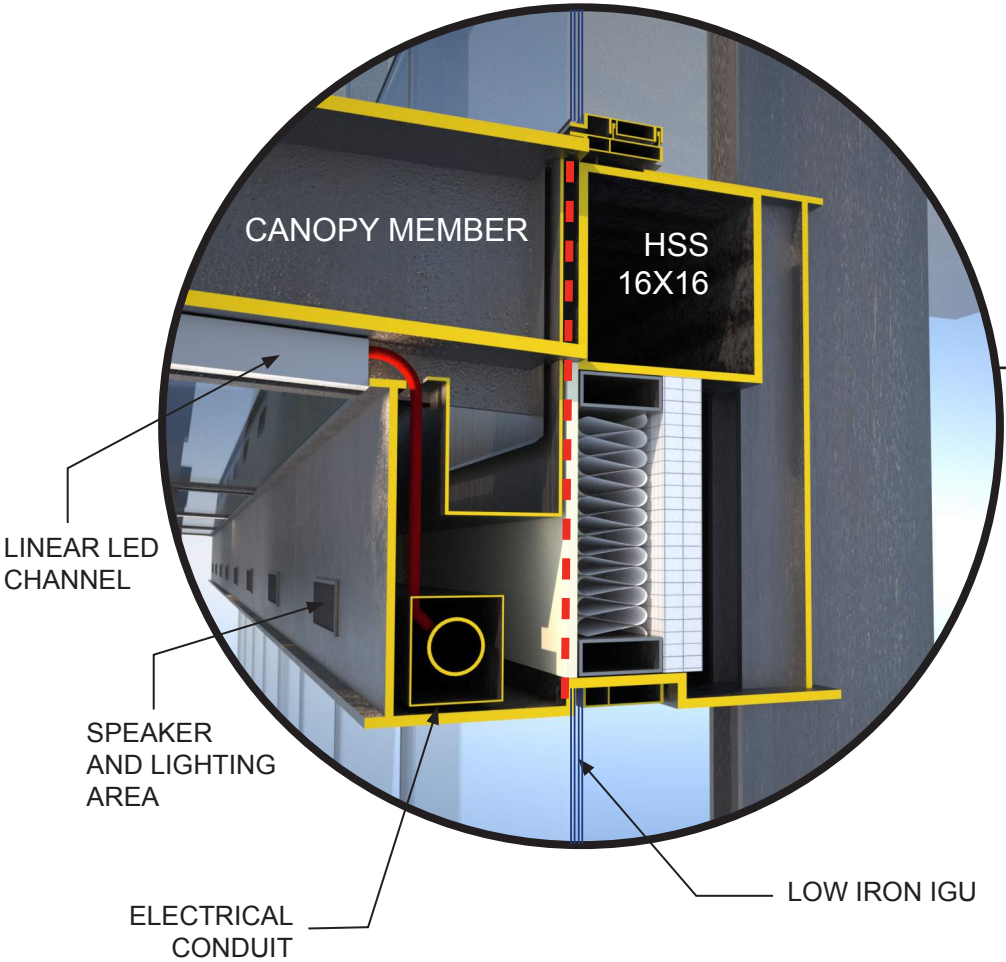
T1 Departure Hall Section
Late Afternoon Glare On Summer Days



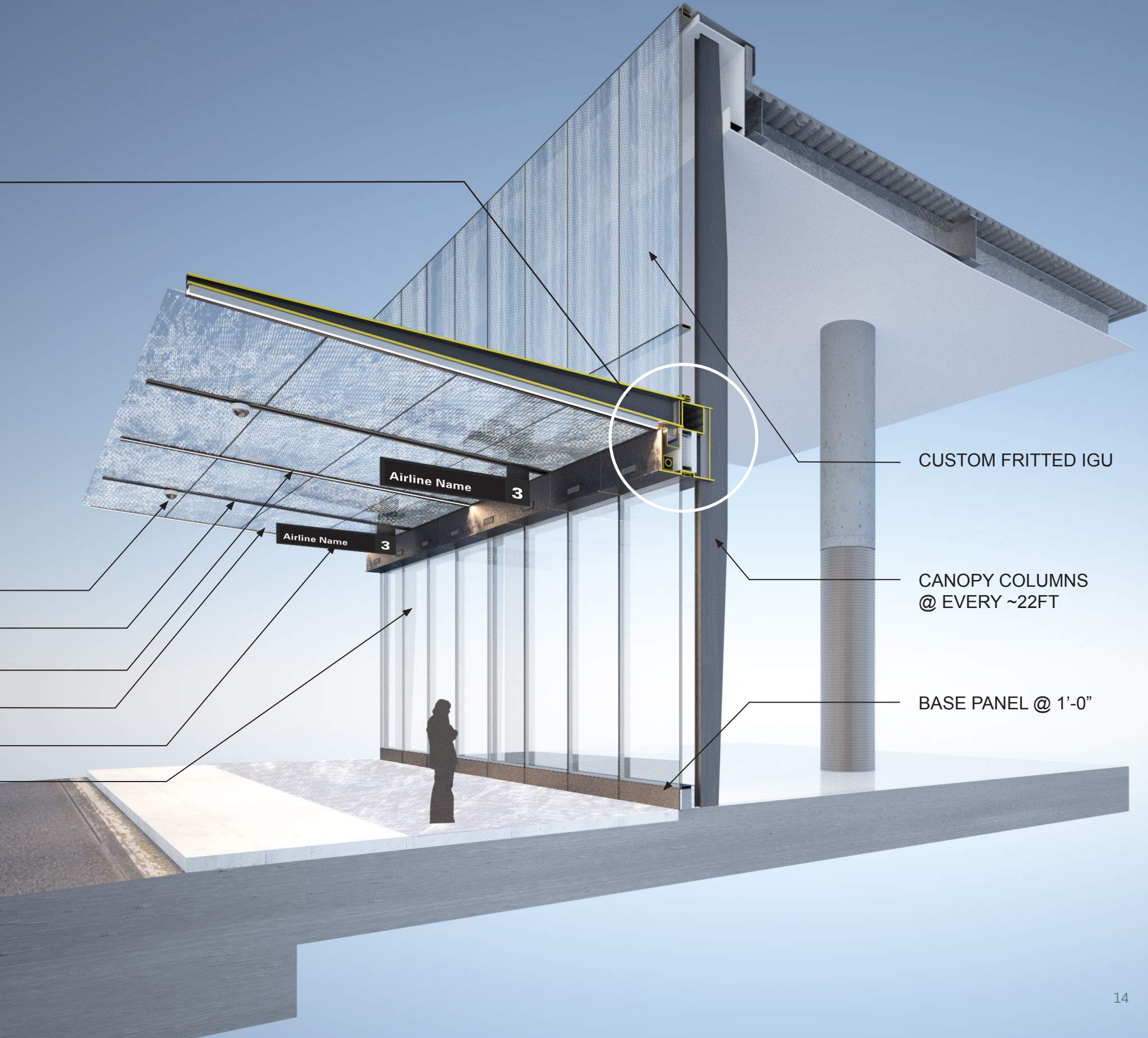


Footcandle levels in north east corner of Departure Hall on late evenings during summer months (shown with no mitigation)

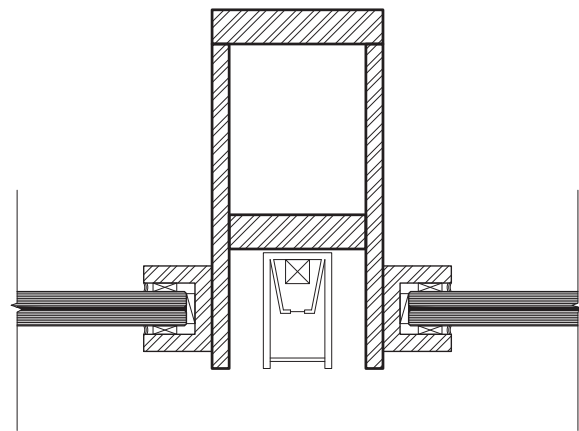
11. CURTAIN WALL / GLAZING DETAIL



- CCTV
- BUILT-UP STEEL CANOPY MEMBER
- LED LIGHT CHANNEL
- 1" THK LAMINATED FRITTED GLASS
- AIRLINE SIGNAGE
- LOW IRON IGU

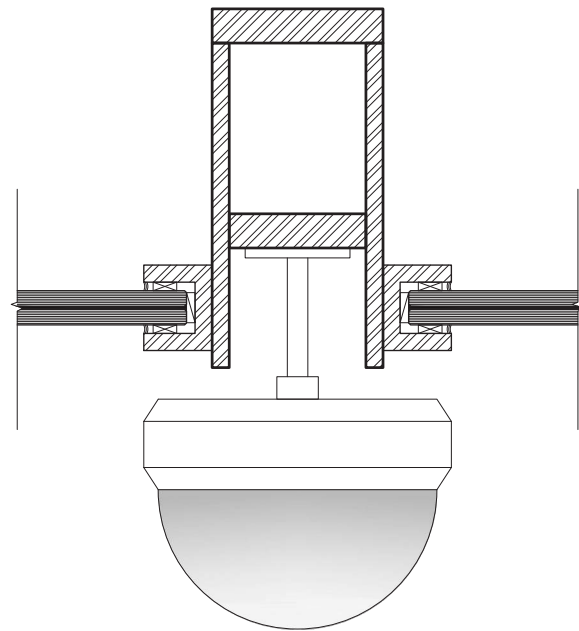


1



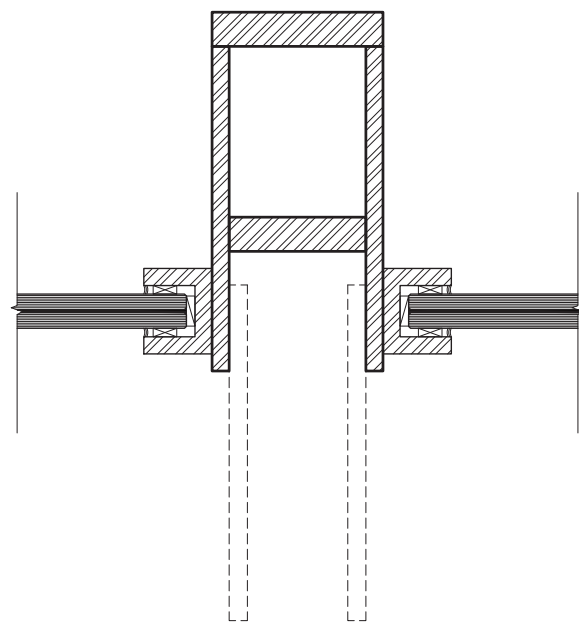
LED LIGHTING CHANNEL

2



CCTV

3



TAB ATTACHMENT FOR SIGNAGE

CANOPY BEAM DESIGN TO HOUSE REQUIRED SYSTEMS



12. SAN FRANCISCO'S BIRD-SAFE REQUIREMENTS

The following bird-safe measures apply in San Francisco.

Structure and/or siting characteristics that present the greatest risk to birds are called "bird-hazards" and include:

1- Location- related hazards. (not applicable to T1)

2- Building feature - related hazards. (not applicable to T1)

What is a "feature-related" hazard?

Certain potential bird traps are hazardous enough to necessitate treatment, regardless of building location.

A building-specific hazard is a feature that creates hazards for birds in flight unrelated to the location of the building.

Building feature-related hazards include free-standing clear glass walls, *skywalks*, greenhouses on rooftops, and balconies that have unbroken glazed segments 24 square feet and larger in size.

These features require treatment when:

- New buildings are constructed.
- Additions are made to existing buildings (Note: only the new construction will require treatment).

Conclusion for T1:

- 1. T1 is farther than 300 ft from any bird refuge.**
- 2. The bridge (skywalk) connecting T1 to the air train station is existing.**

Conclusion: No specific bird safe requirements apply to T1, However we are applying frit to the most vulnerable areas of building glass to deter birds.



BIRD - SAFE TREATMENTS

HIGH PERFORMANCE IGU WITH FRIT PATTERN
(FRITT ACTS ASA DETERANT TO PREVENT BIRD COLLISION)

LED LIGHT FIXTURE
(ALL LIGHT FIXTURES TO BE DOWNLIGHTING TO AVOID ATTRACTING BIRDS)



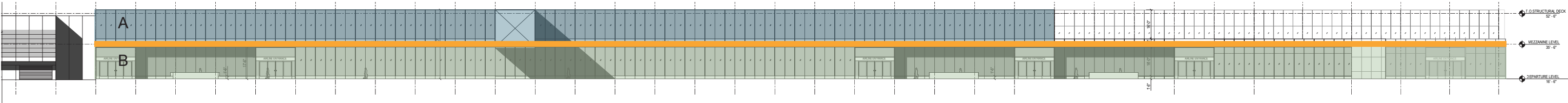
13. FUTURE PROOFING & FLEXIBILITY

The Canopy divides the curbside curtain wall into an upper and lower section.

The vestibules, curbside check-in stations, and other airport functions can be moved anywhere in the lower zone without negatively impacting the overall image of the building.

This allows for the building to provide flexibility to change in the future.

- HIGH PERFORMANCE IGU WITH FRITT PATTERN
- CANOPY ZONE
- LOW IRON IGU

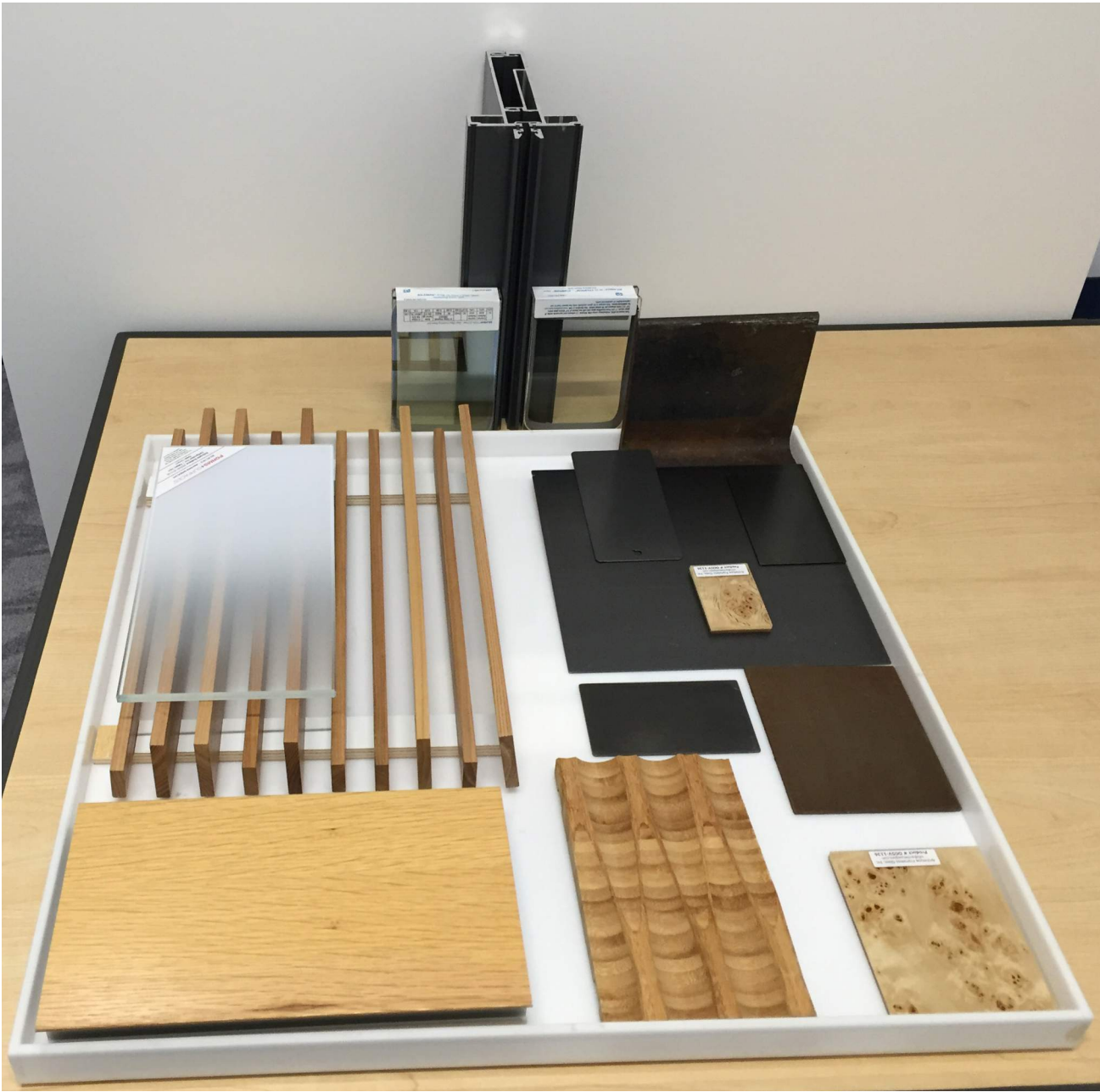


T1 Curbside Elevation

14. MATERIAL SAMPLES



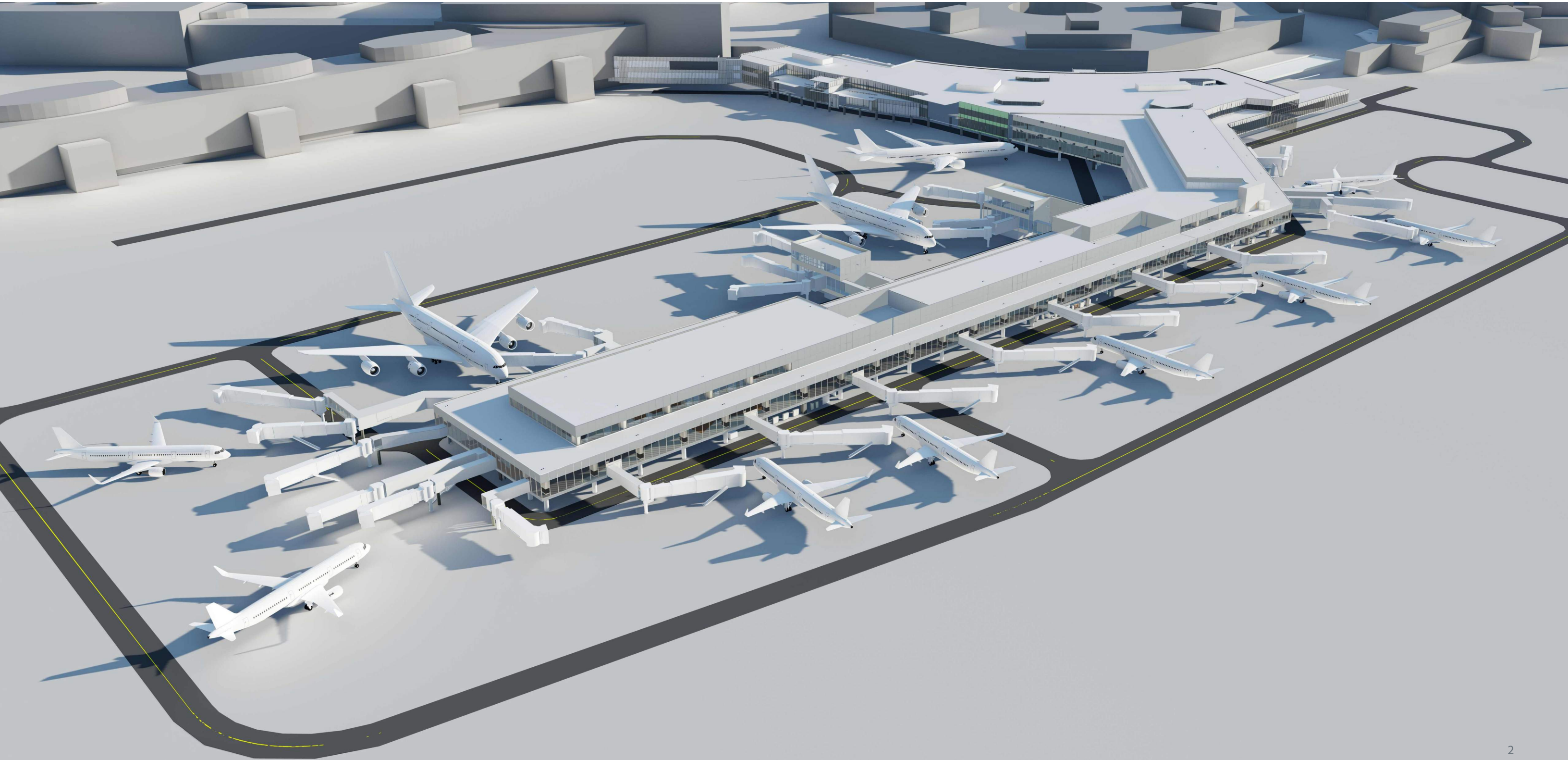
Landside Curtain Wall Mullion Profile



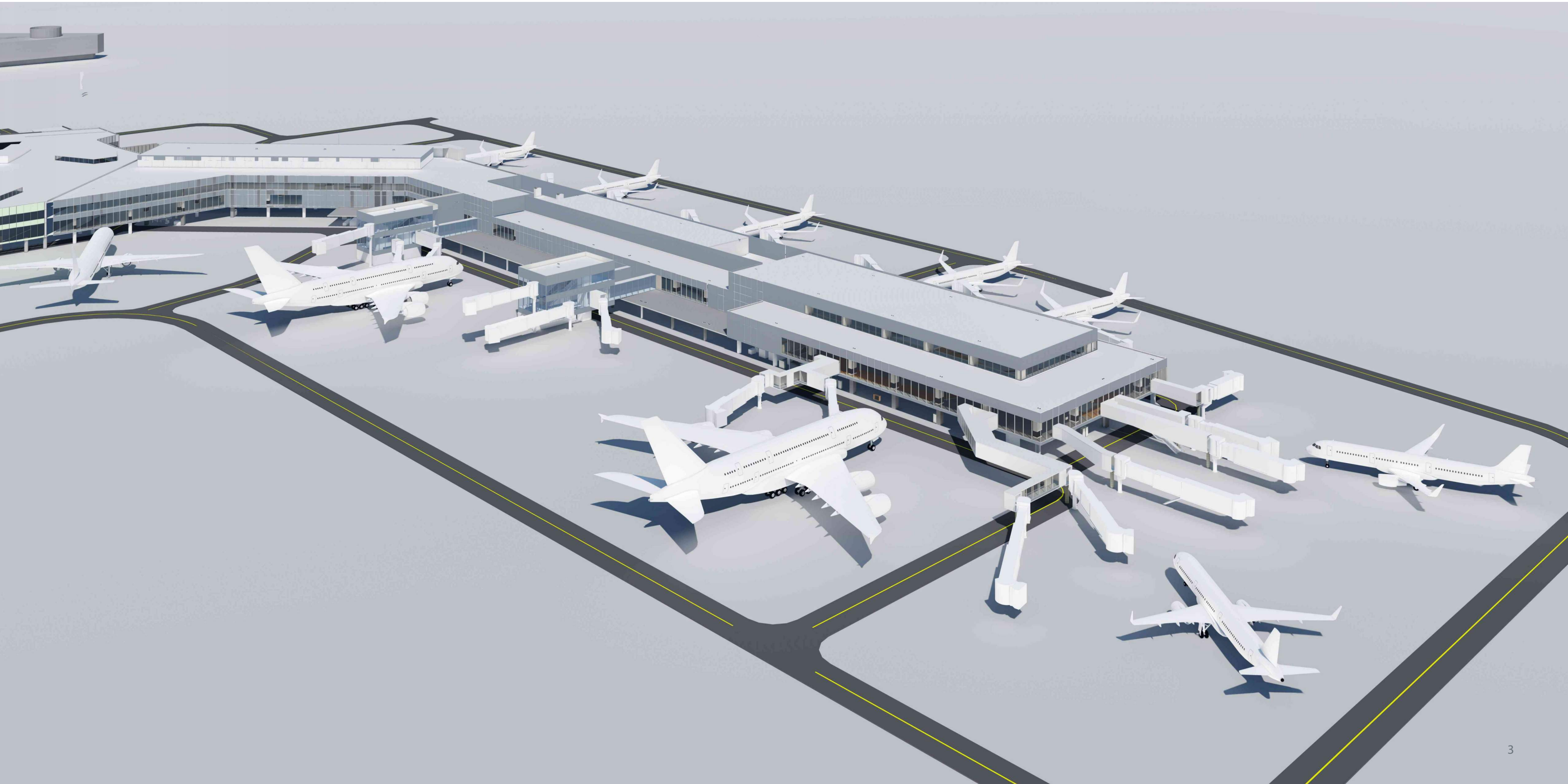
Materials For Landside



Raw Steel Mill Finish Plate For Exterior Wall Cladding



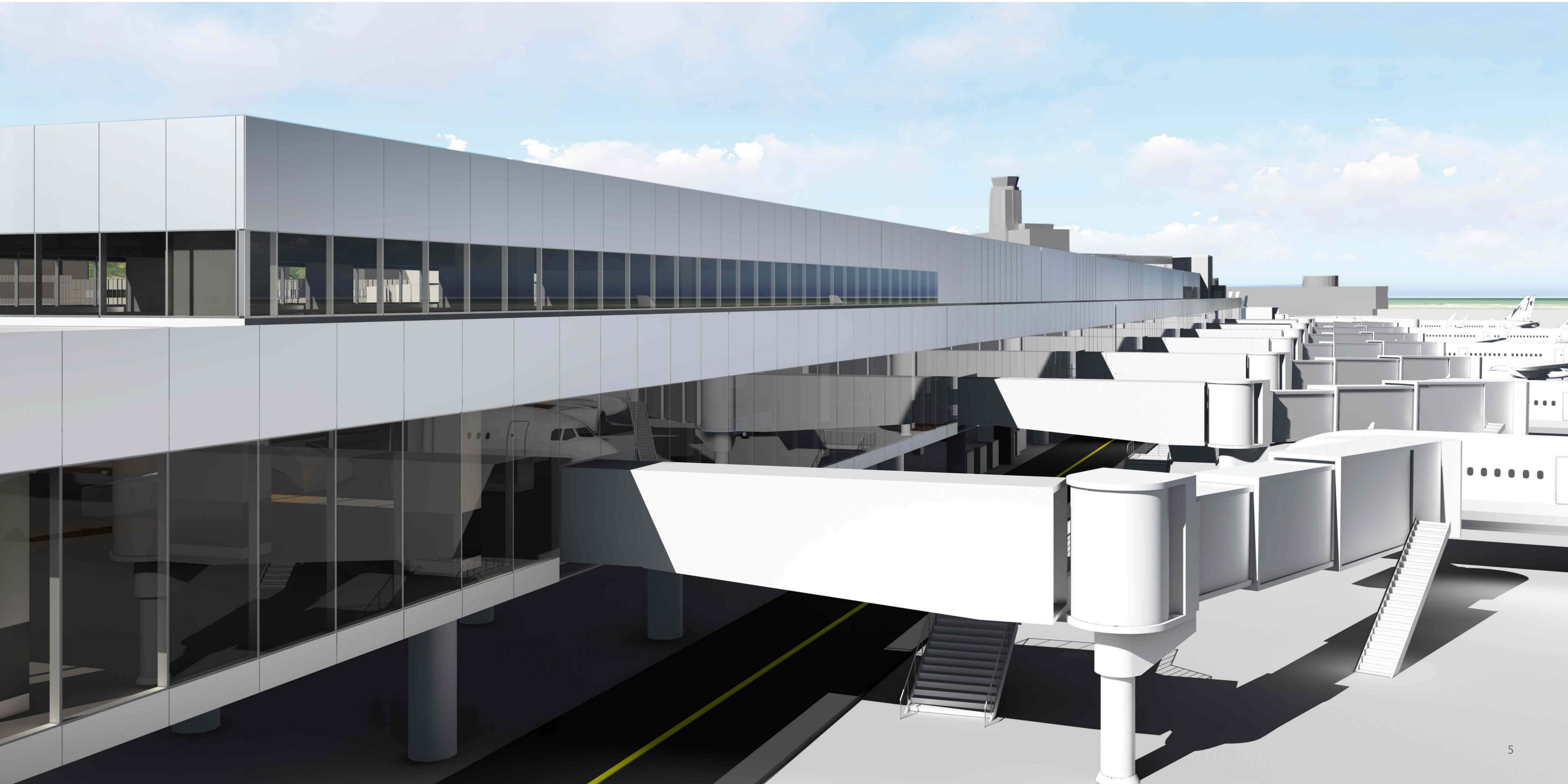
16. AIRSIDE - AERIAL VIEW



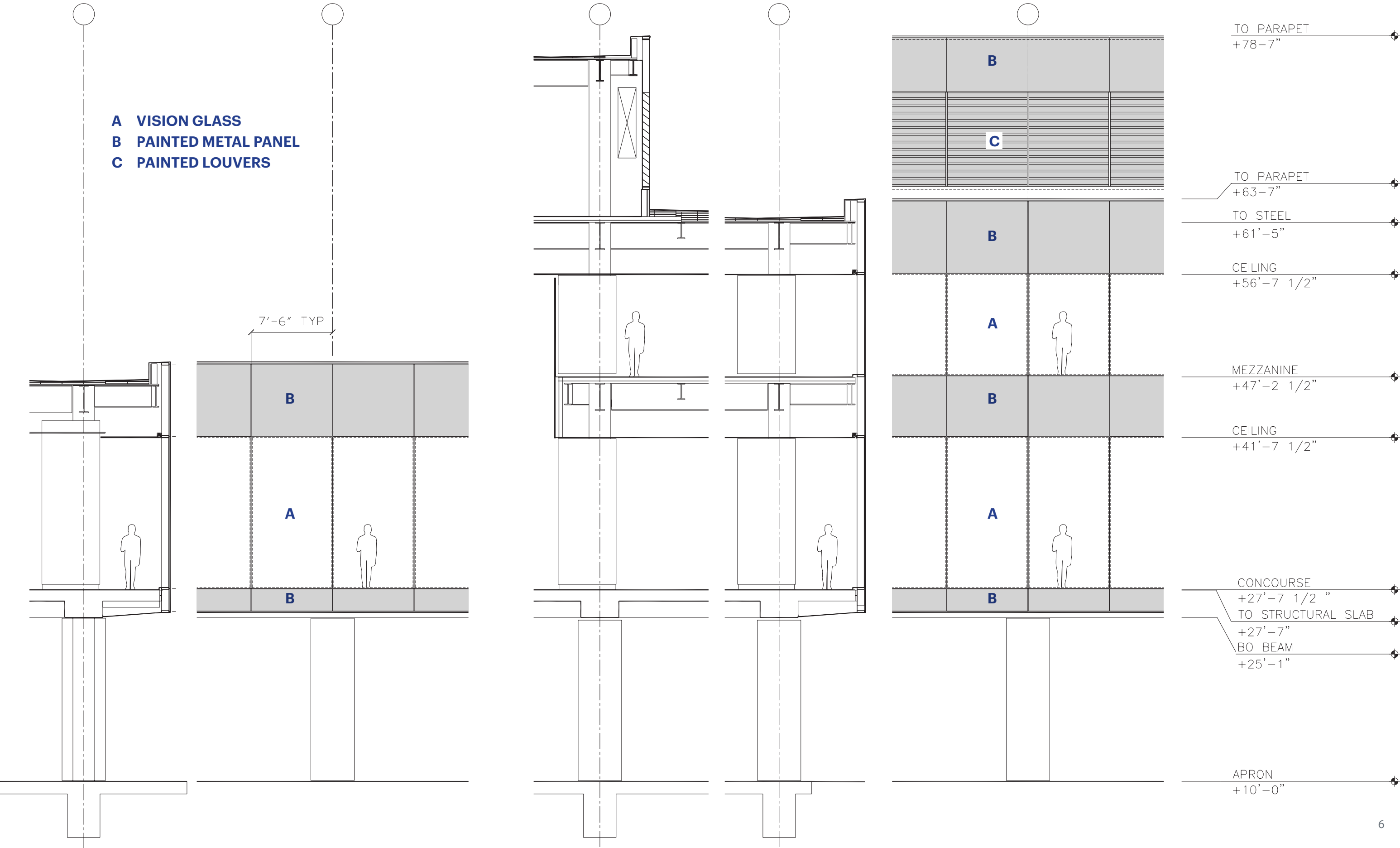
17. AIRSIDE - NORTHEAST VIEW

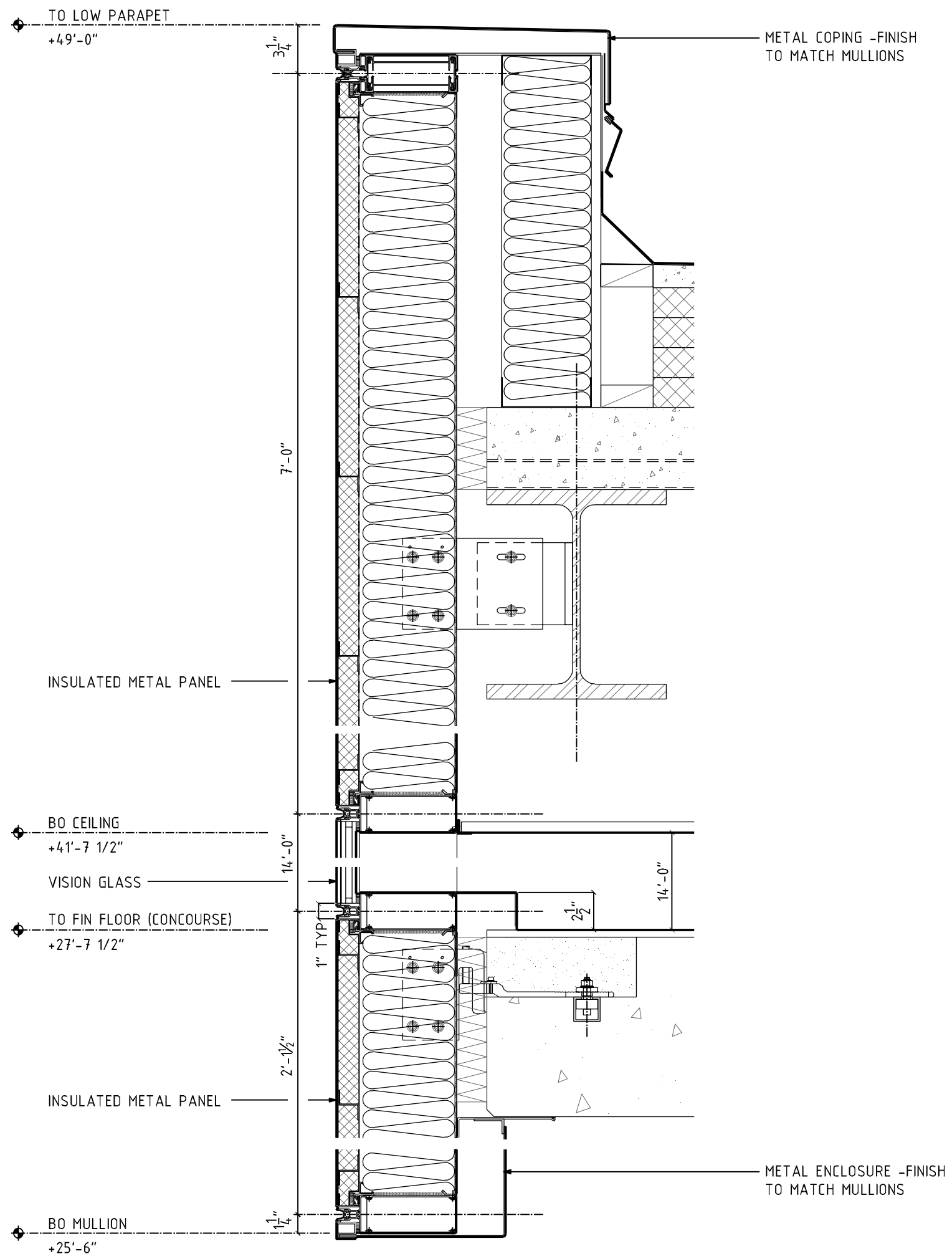


18. AIRSIDE - SOUTHEAST VIEW

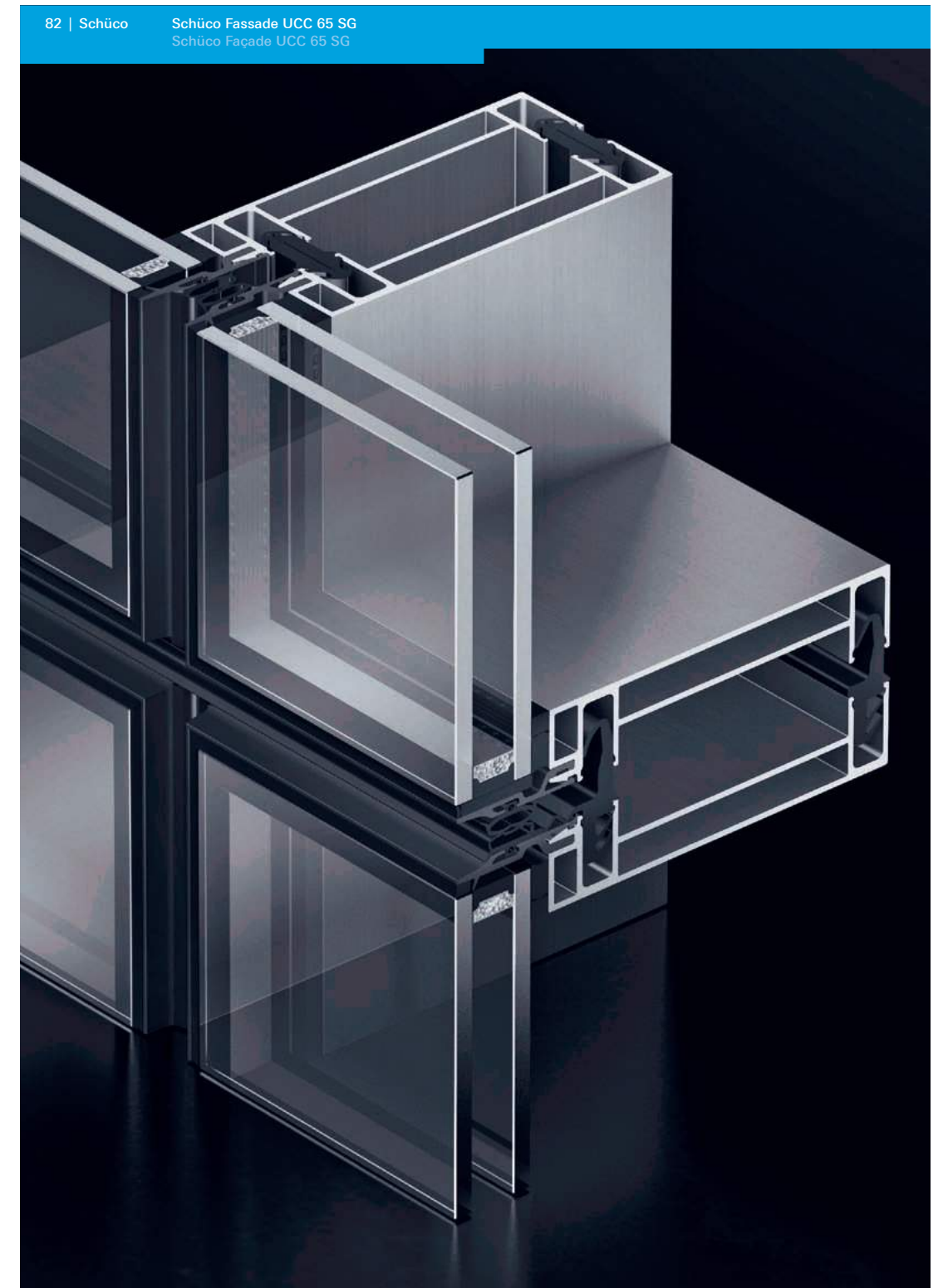


19. AIRSIDE - CURTAIN WALL SECTIONS / ELEVATIONS





20. AIRSIDE - CURTAIN WALL DETAIL



A long-exposure photograph of a night sky filled with numerous light trails from satellites or spacecraft. The trails are mostly white and yellow, with some blue and red ones, creating a complex, swirling pattern across the dark sky. In the foreground, there is a dark body of water reflecting the city lights, and a city skyline with various lights and structures is visible along the horizon. The text "THANK YOU" is centered in the middle of the image.

THANK YOU