



San Francisco
International
Airport

AirTrain Extension and Improvements Program



Civic Design Review - Conceptual
November 14, 2016



Project Partners

- SFO AirTrain and D&C Project Management
- .41 Project Management Support Services
 - PGH Wong Engineering
- .66 Civil Design-Build
 - Skanska Constructors
 - WSP-Parsons Brinkerhoff
 - Robin Chiang & Co. Architects
- .77 Systems Design-Build
 - Bombardier Transportation Holdings
- SFO Planning, Engineering, Maintenance, BICE, and SFFD
- Airport Hotel
- Long Term Parking Garage 2 (LTPG2)

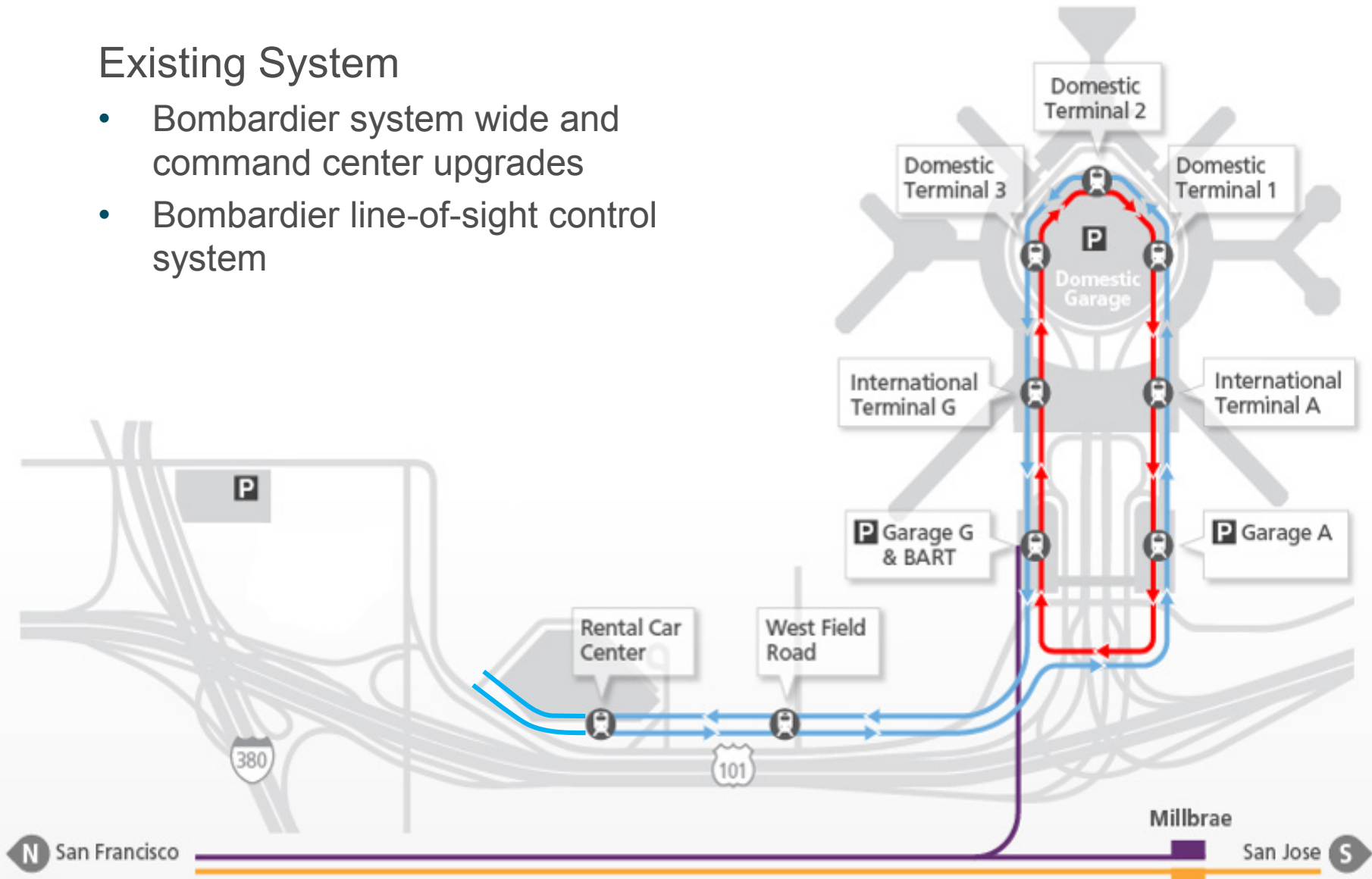
The Projects:

- Civil Design-Build 10504.66 Skanska
 - Guideway Extension
 - Long Term Parking Station
 - Hotel Station

- Systems Design-Build 10504.77 Bombardier
 - Design and install new control and operating systems in new Guideway and Long Term Parking and Hotel Stations
 - Provide existing system and Command Center upgrades
 - Provide Line-of-Sight (LOS) Train Controls and retrofit 38 cars and MRV for LOS
 - Provide three new *Innovia* APM vehicles

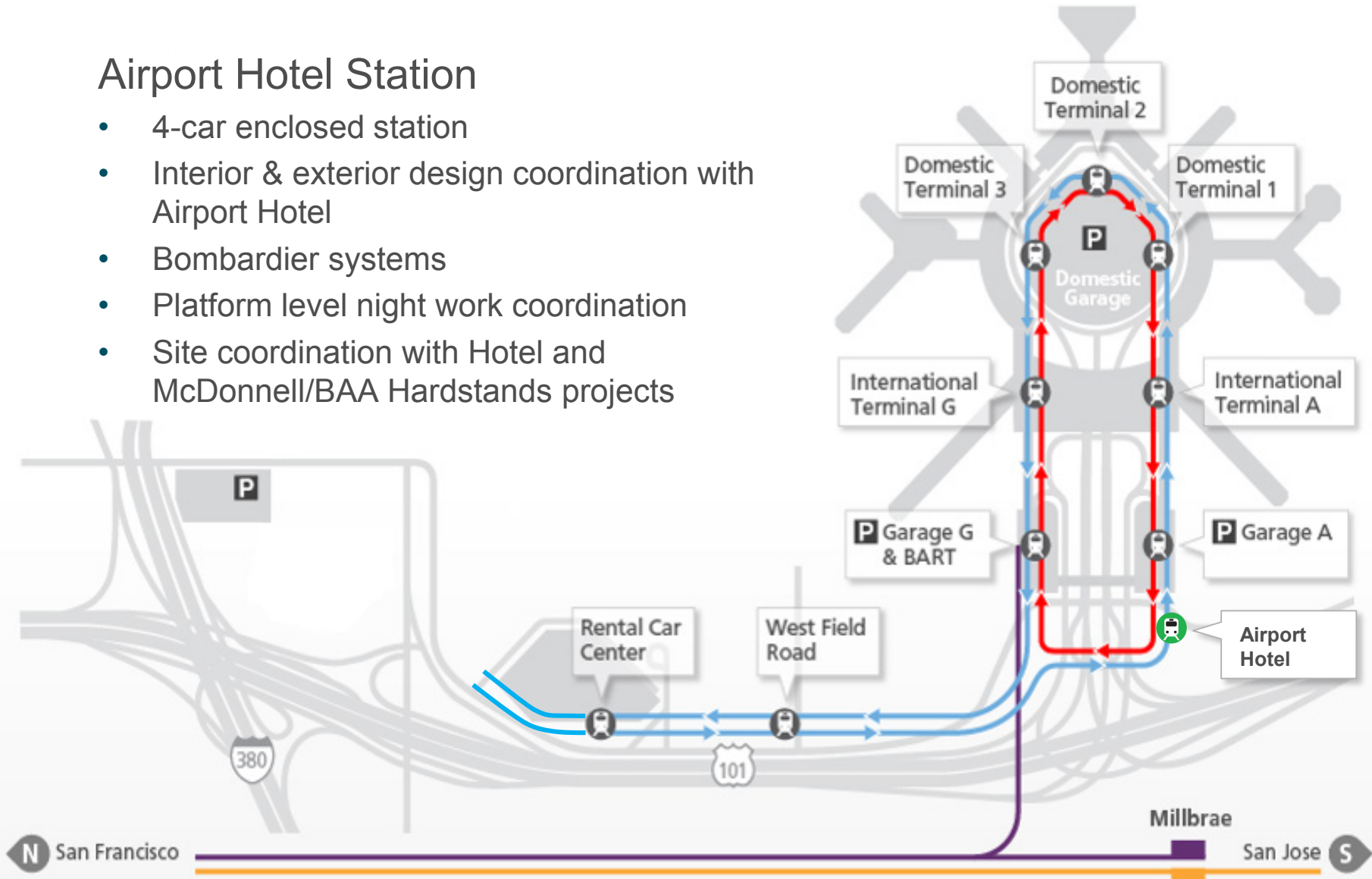
Existing System

- Bombardier system wide and command center upgrades
- Bombardier line-of-sight control system



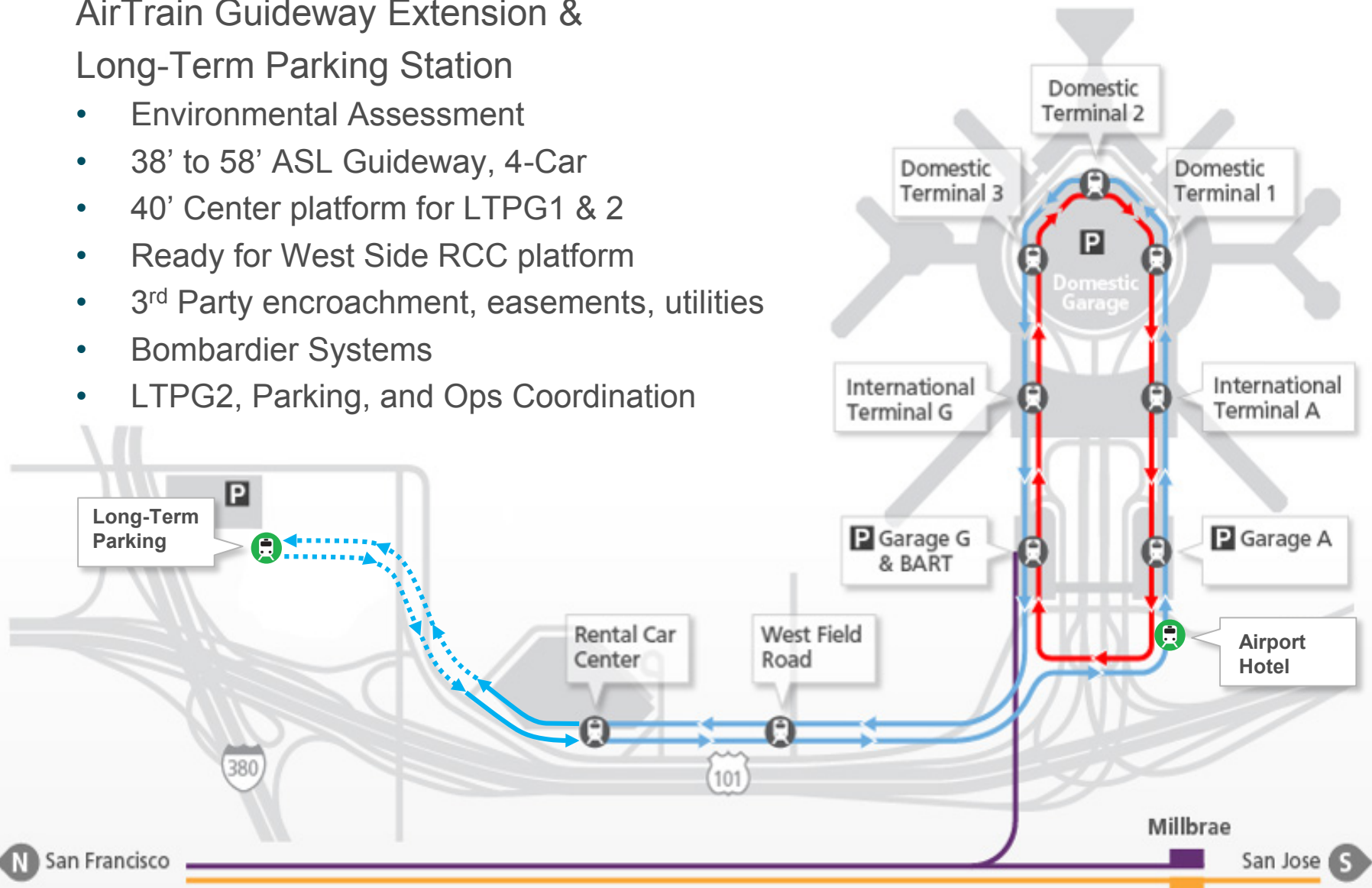
Airport Hotel Station

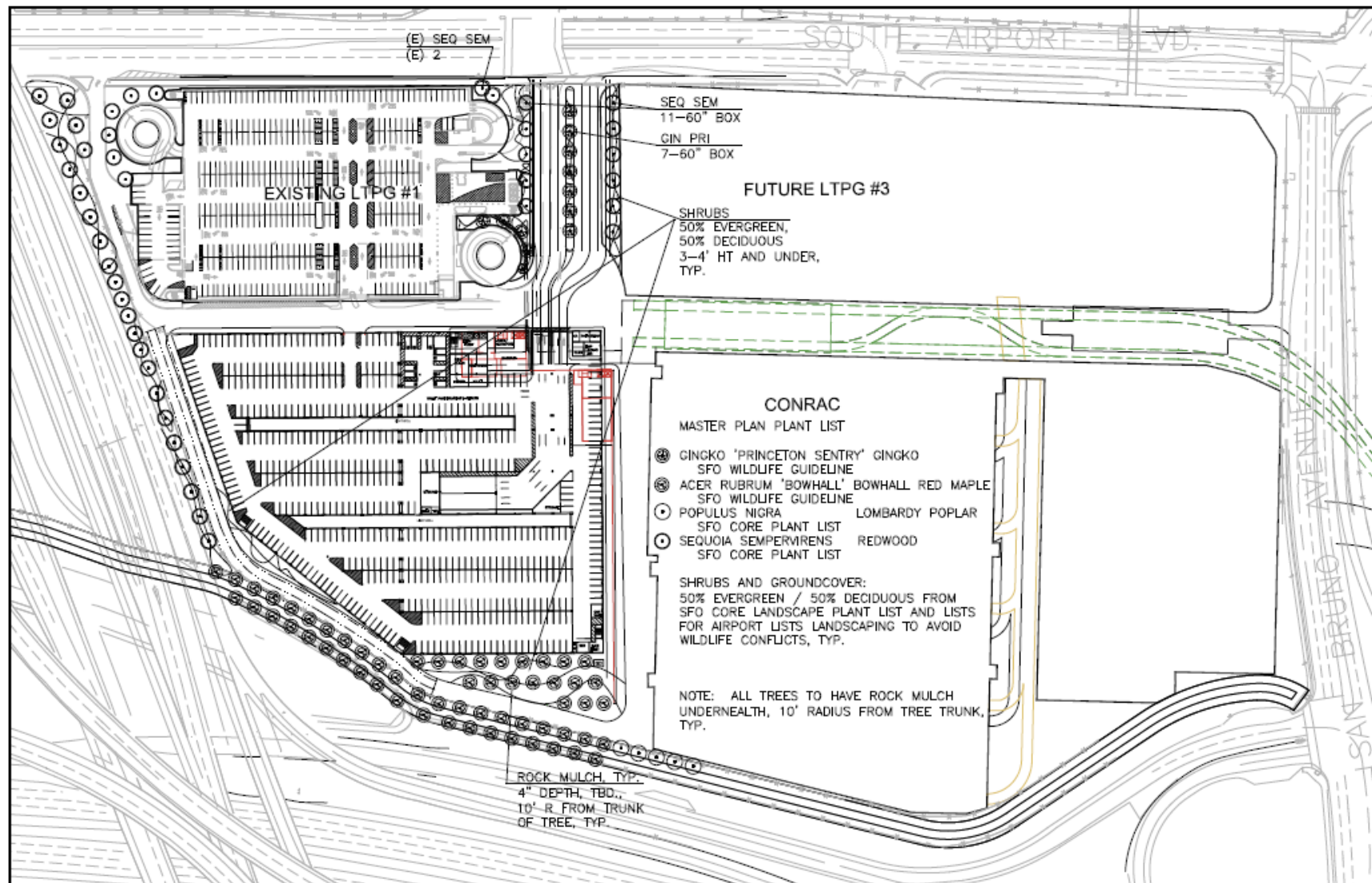
- 4-car enclosed station
- Interior & exterior design coordination with Airport Hotel
- Bombardier systems
- Platform level night work coordination
- Site coordination with Hotel and McDonnell/BAA Hardstands projects



AirTrain Guideway Extension & Long-Term Parking Station

- Environmental Assessment
- 38' to 58' ASL Guideway, 4-Car
- 40' Center platform for LTPG1 & 2
- Ready for West Side RCC platform
- 3rd Party encroachment, easements, utilities
- Bombardier Systems
- LTPG2, Parking, and Ops Coordination





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Hotel Station

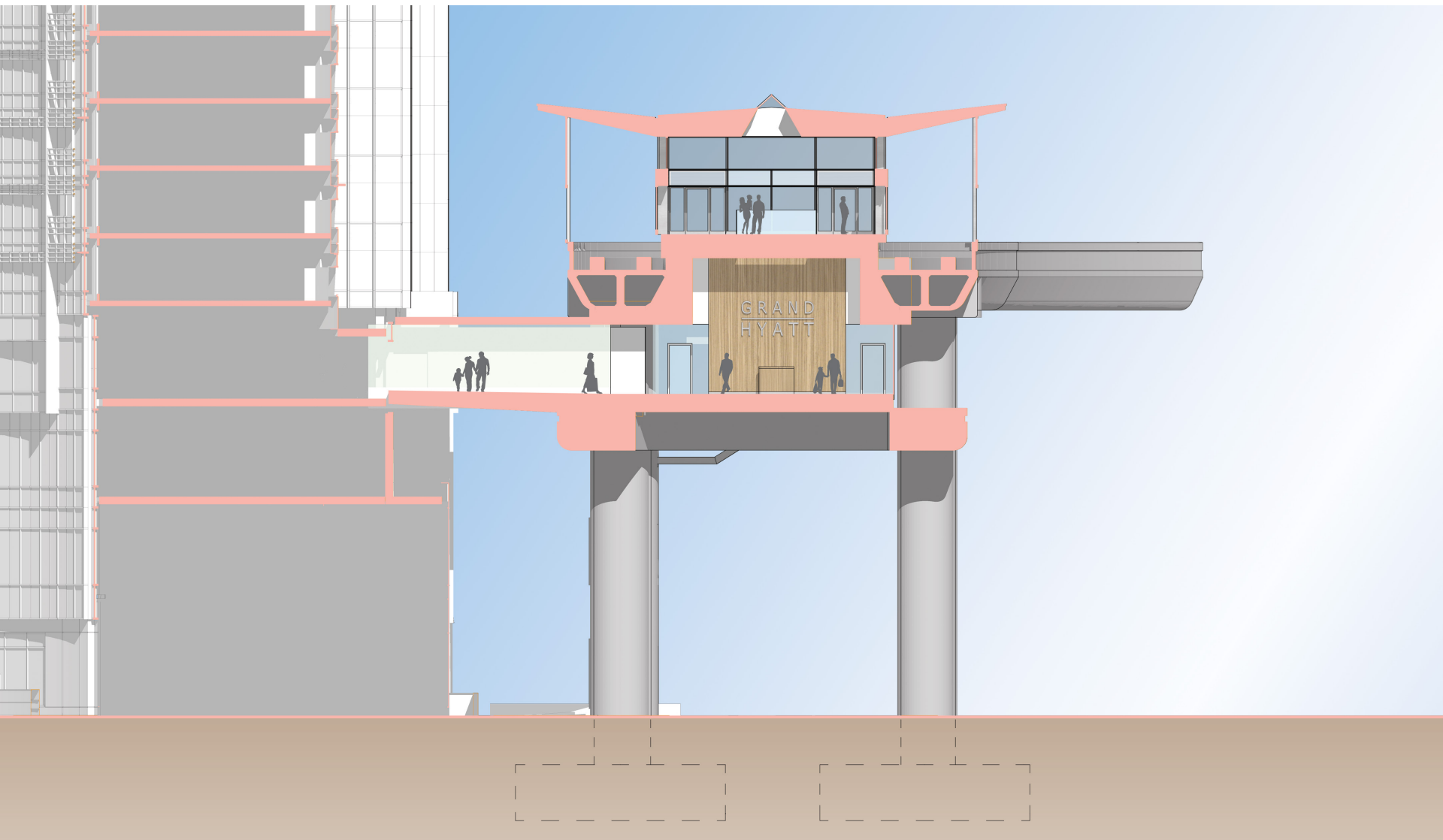




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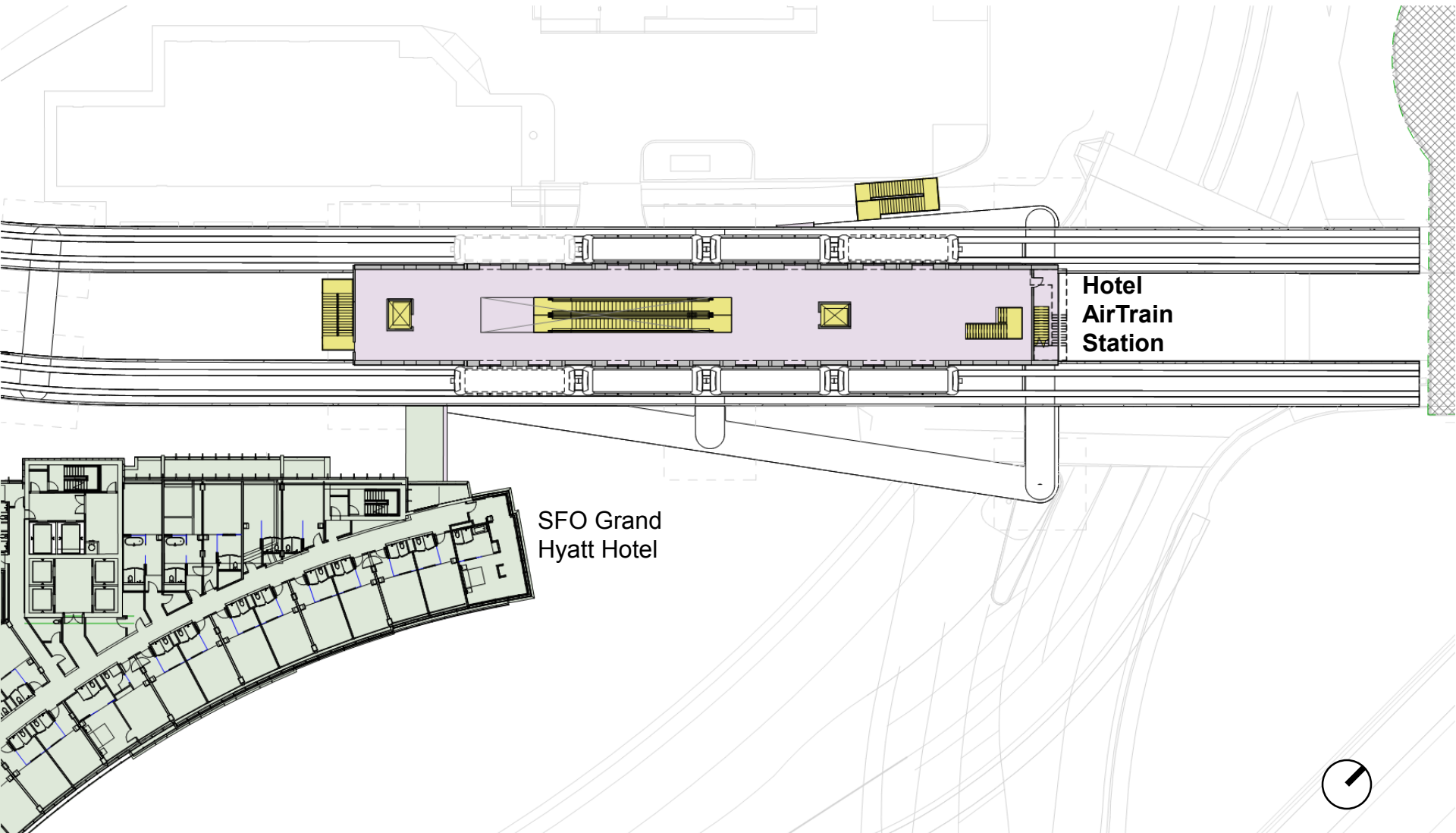
Hotel Station – Existing Structure



Hotel Station – Transverse Section



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Hotel
AirTrain
Station

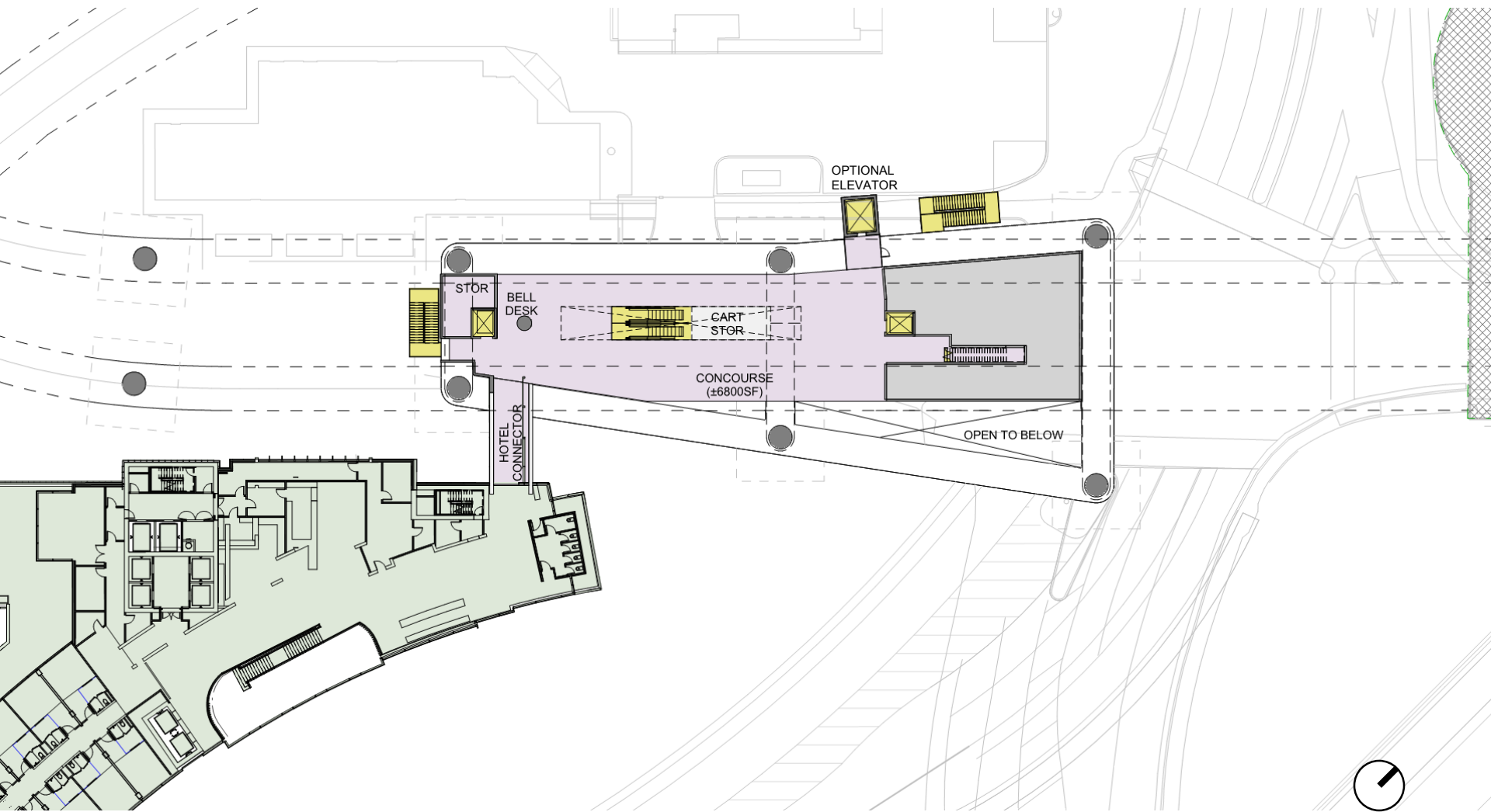
SFO Grand
Hyatt Hotel



Hotel Station – Platform Level



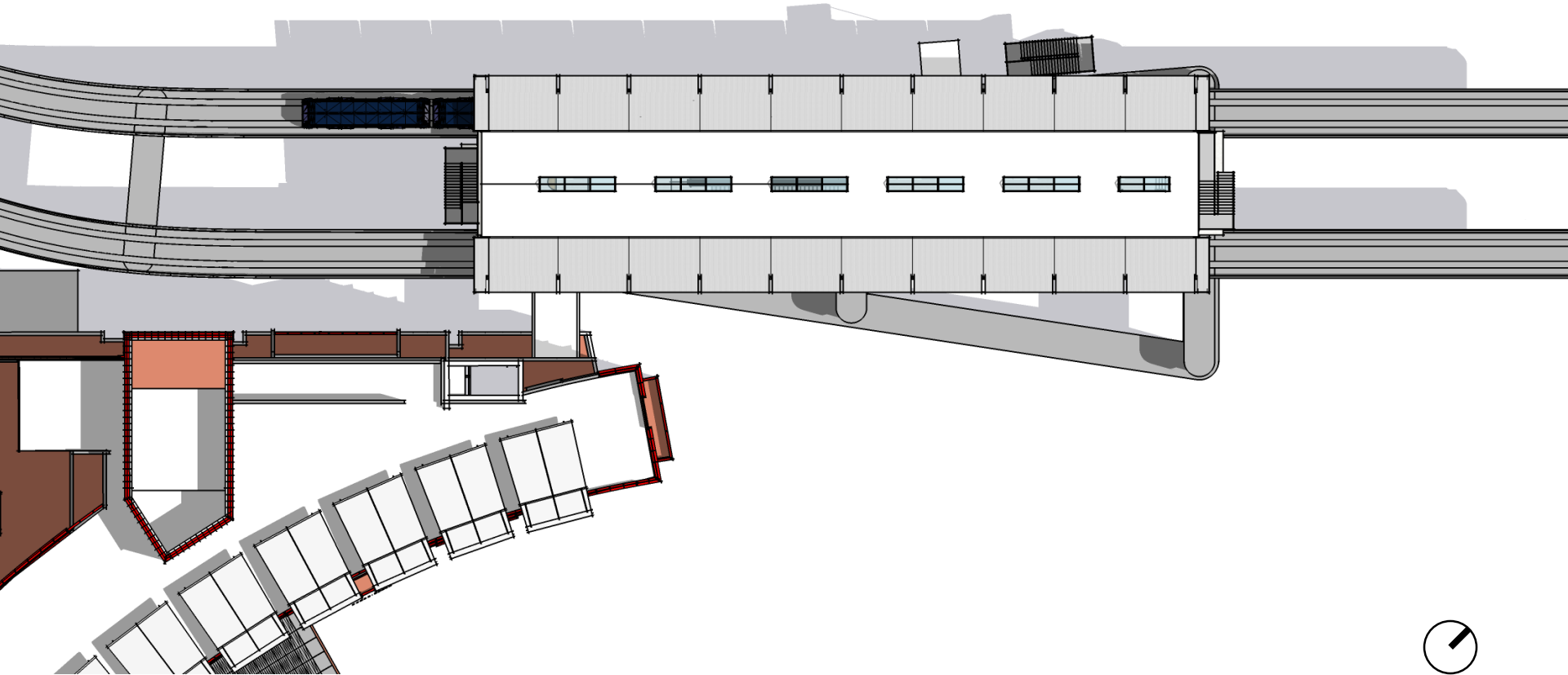
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Hotel Station – Concourse Level



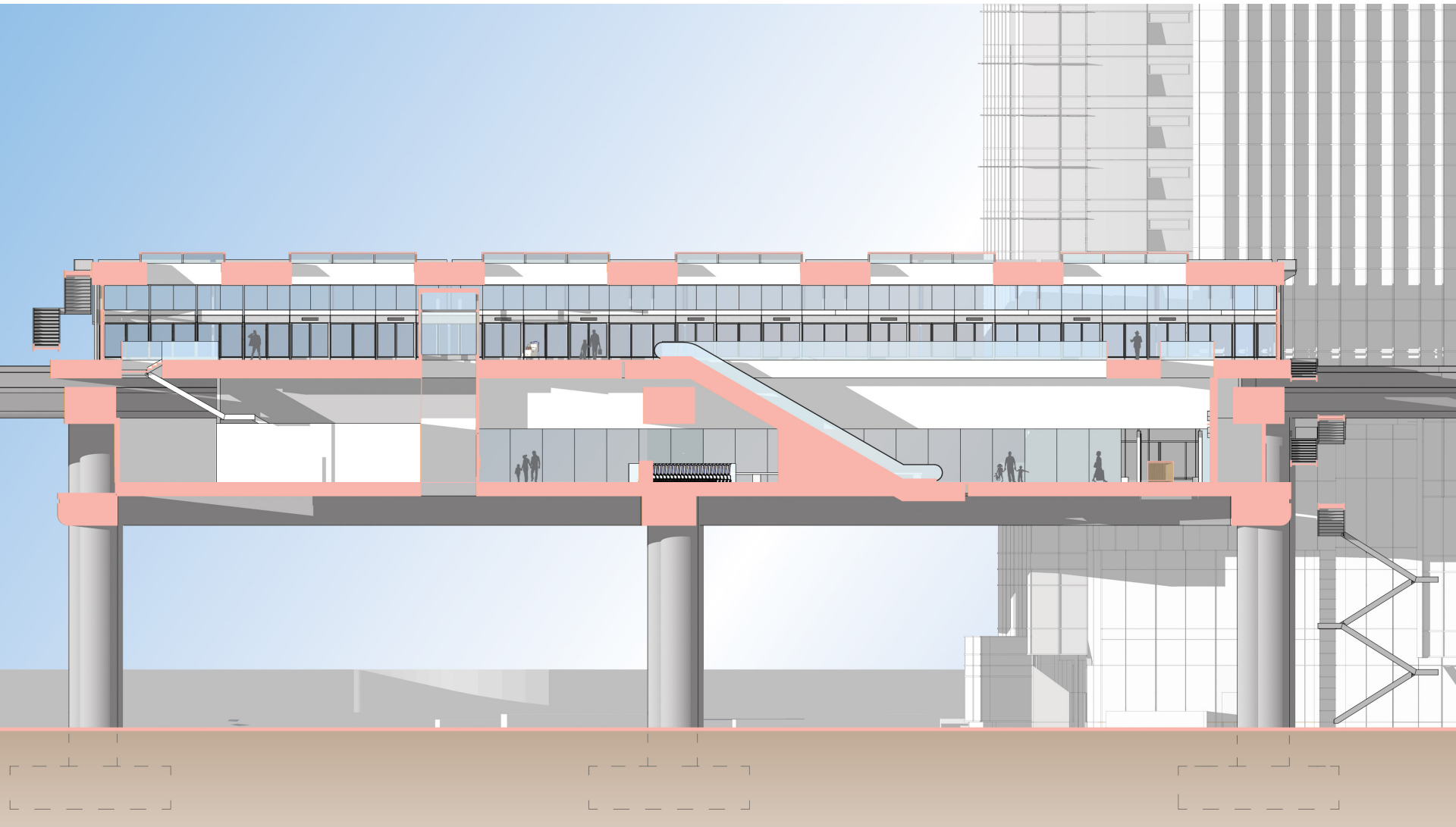
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Hotel Station – Roof Plan



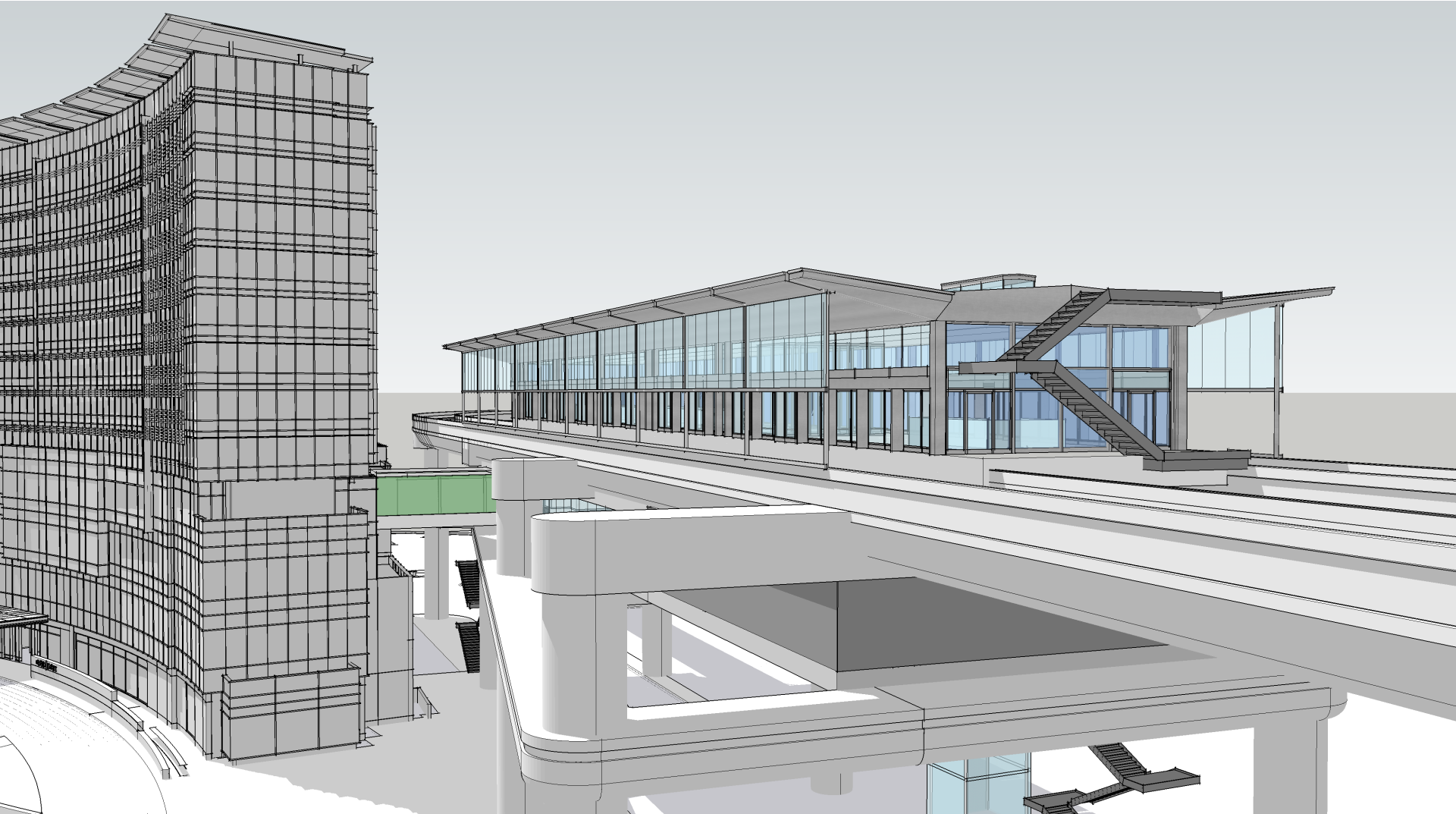
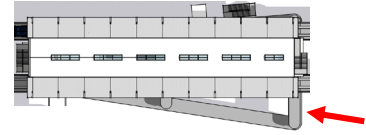
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Hotel Station – Longitudinal Section



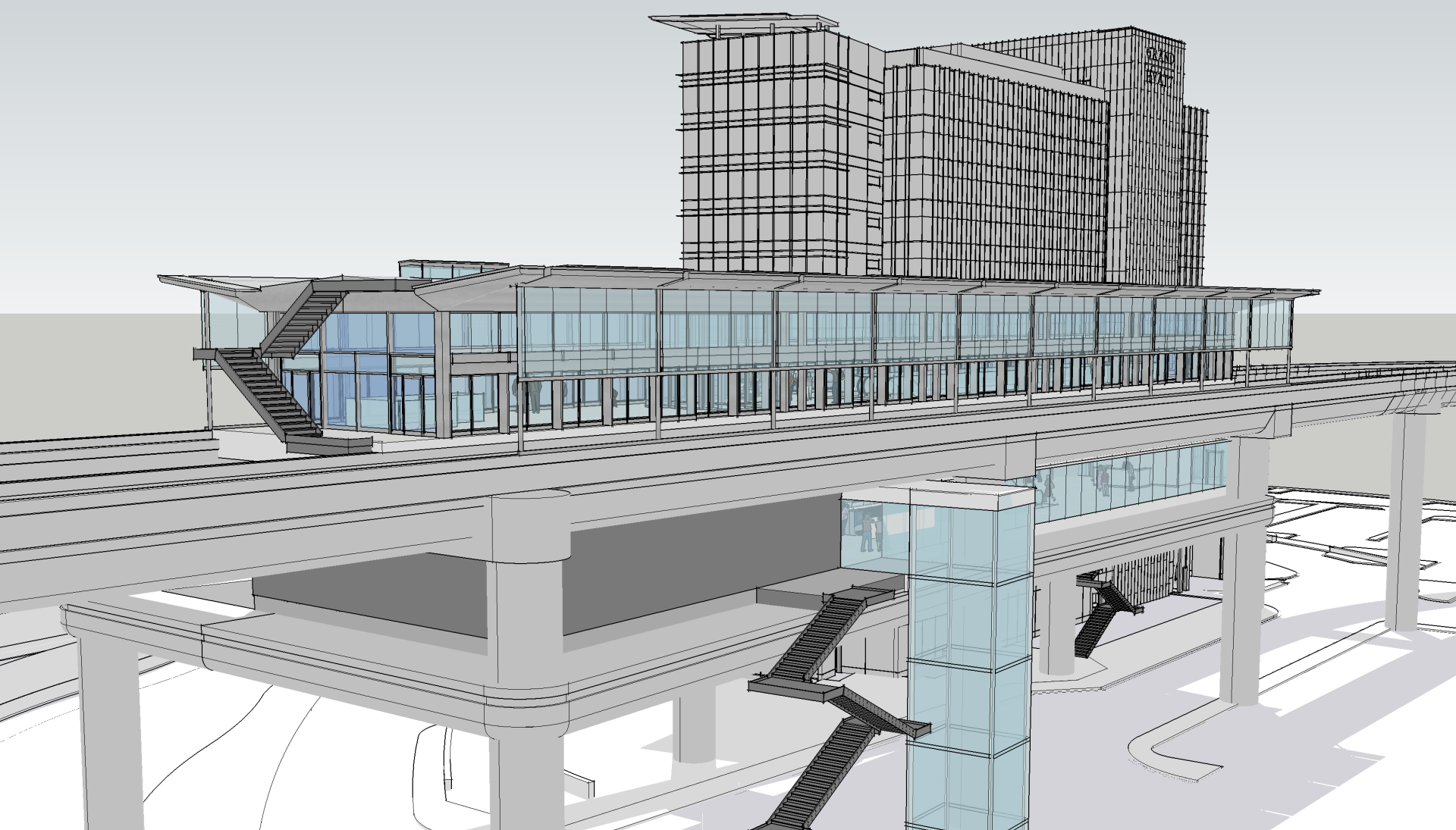
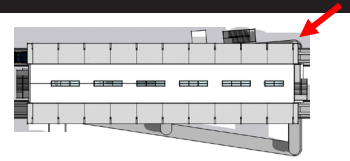
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Hotel & Station South Facades



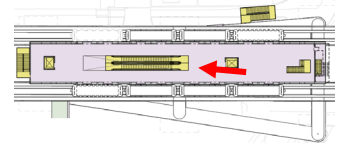
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Hotel Station Perspective



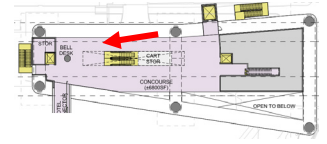
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Hotel Station – Platform Elevator Landing



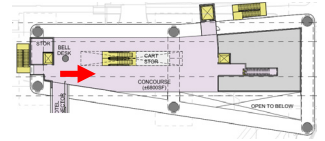
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Hotel Station – Concourse



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Hotel Station – Concourse

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Long Term Parking Station





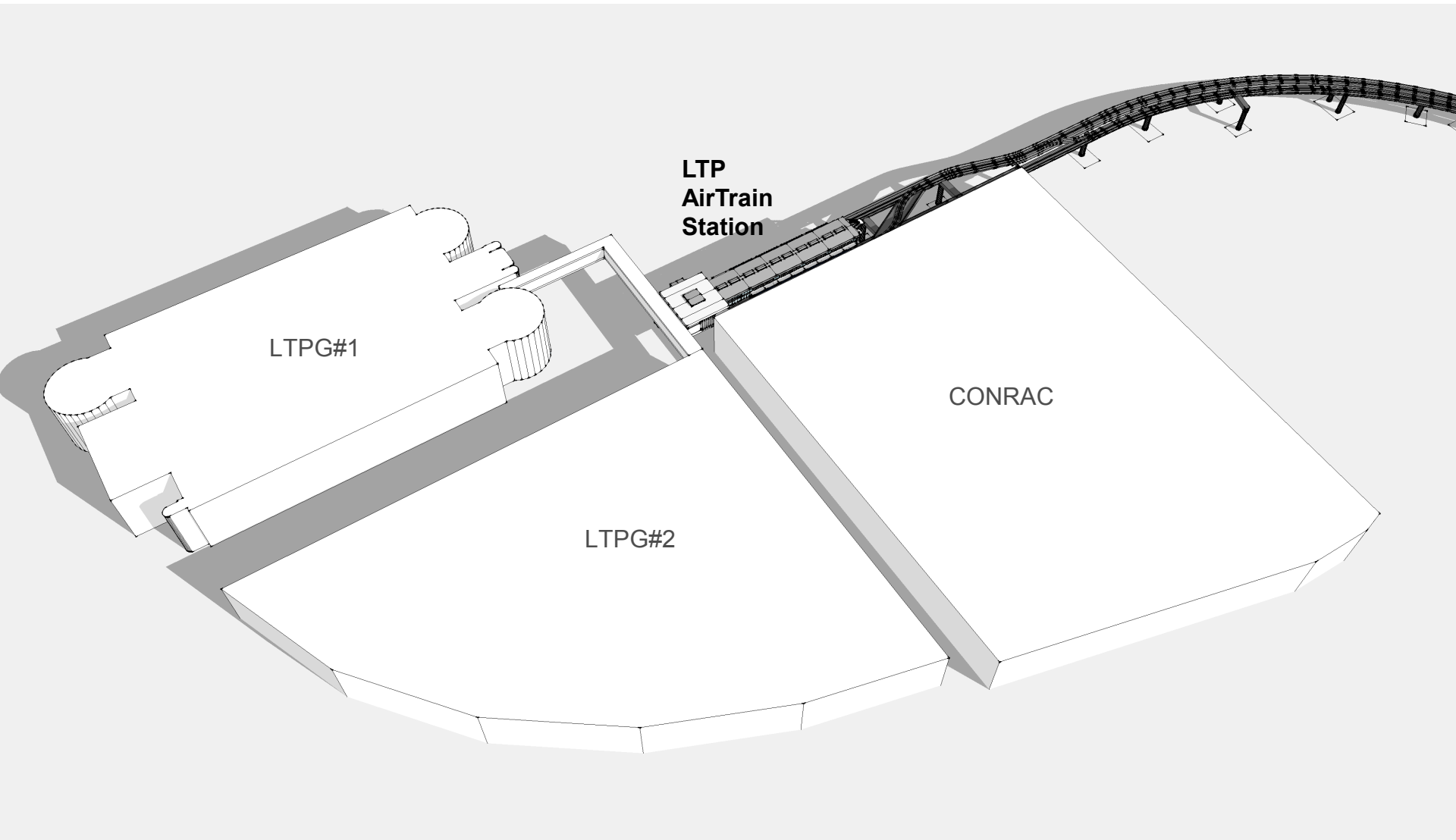
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LTP Station – Existing Long Term Parking Garage #1



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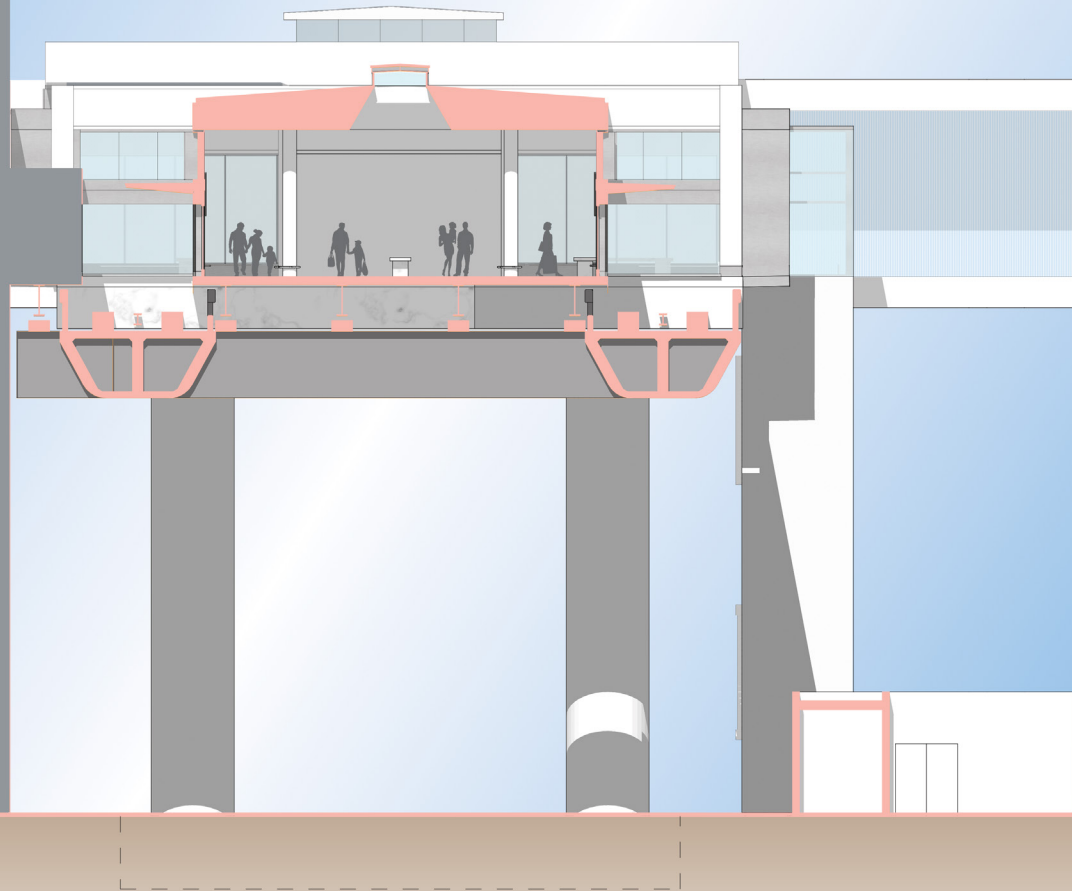


LTP Station – Aerial View

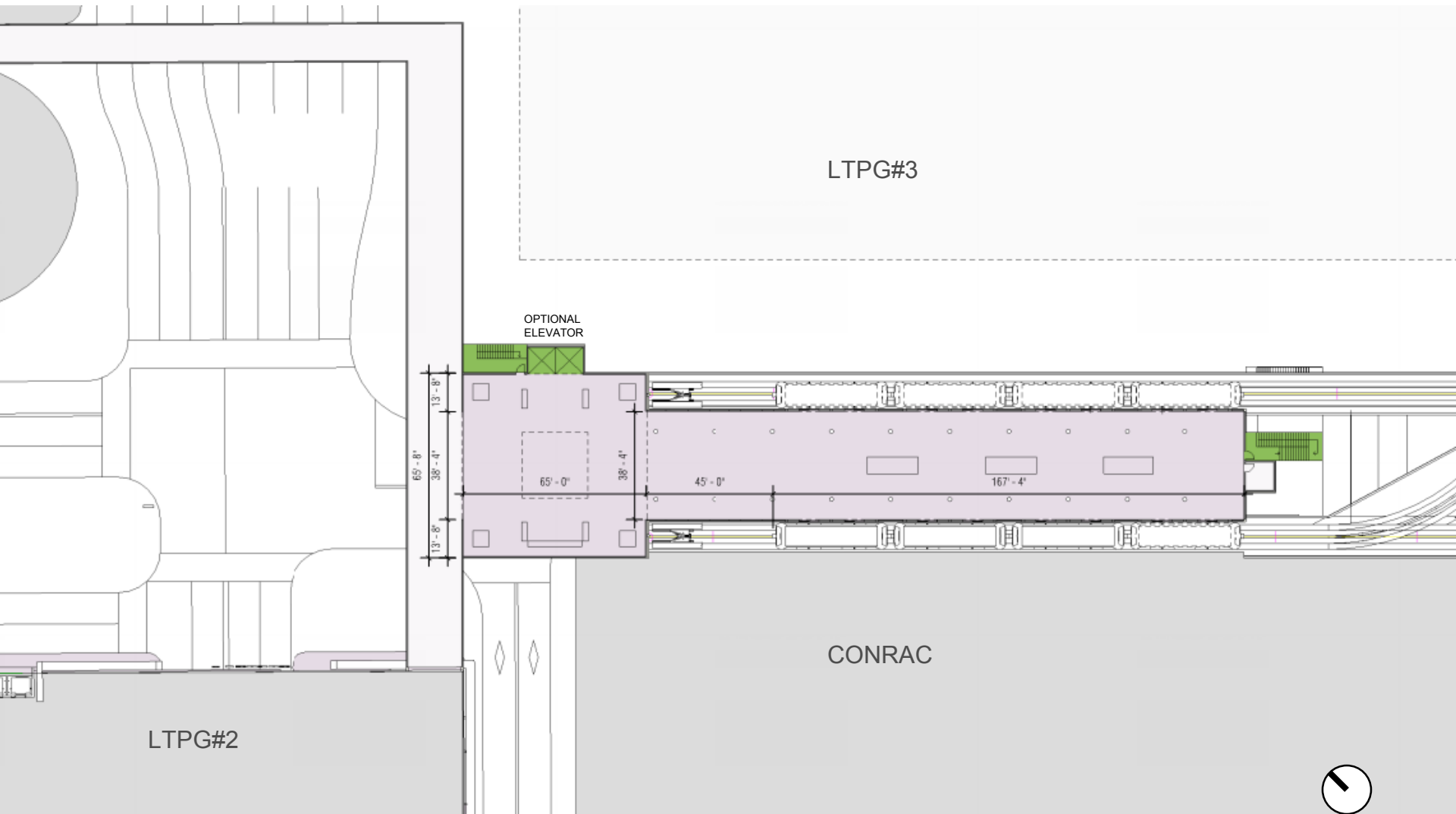


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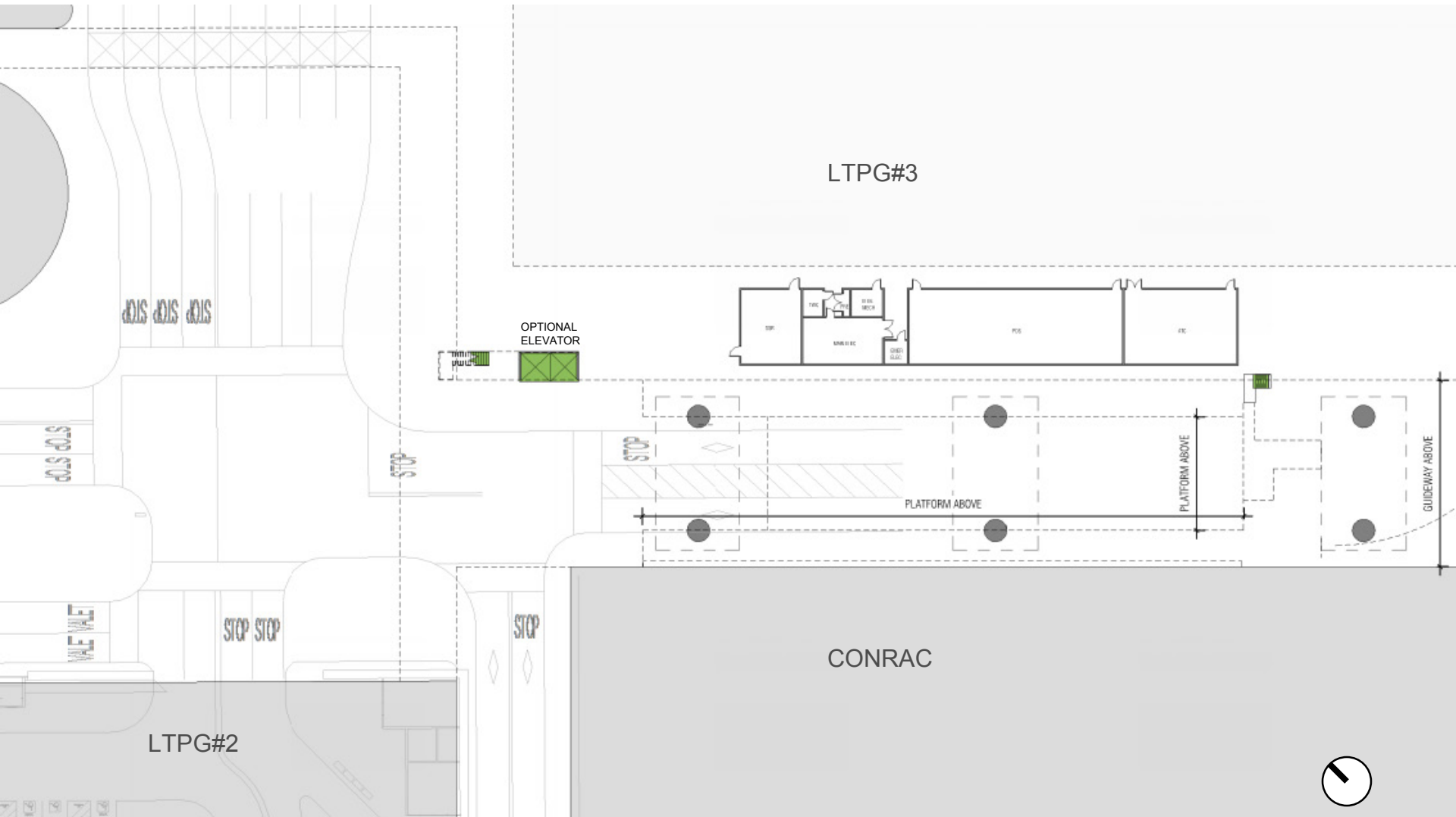
CONRAC



LTP Station – Section Transverse



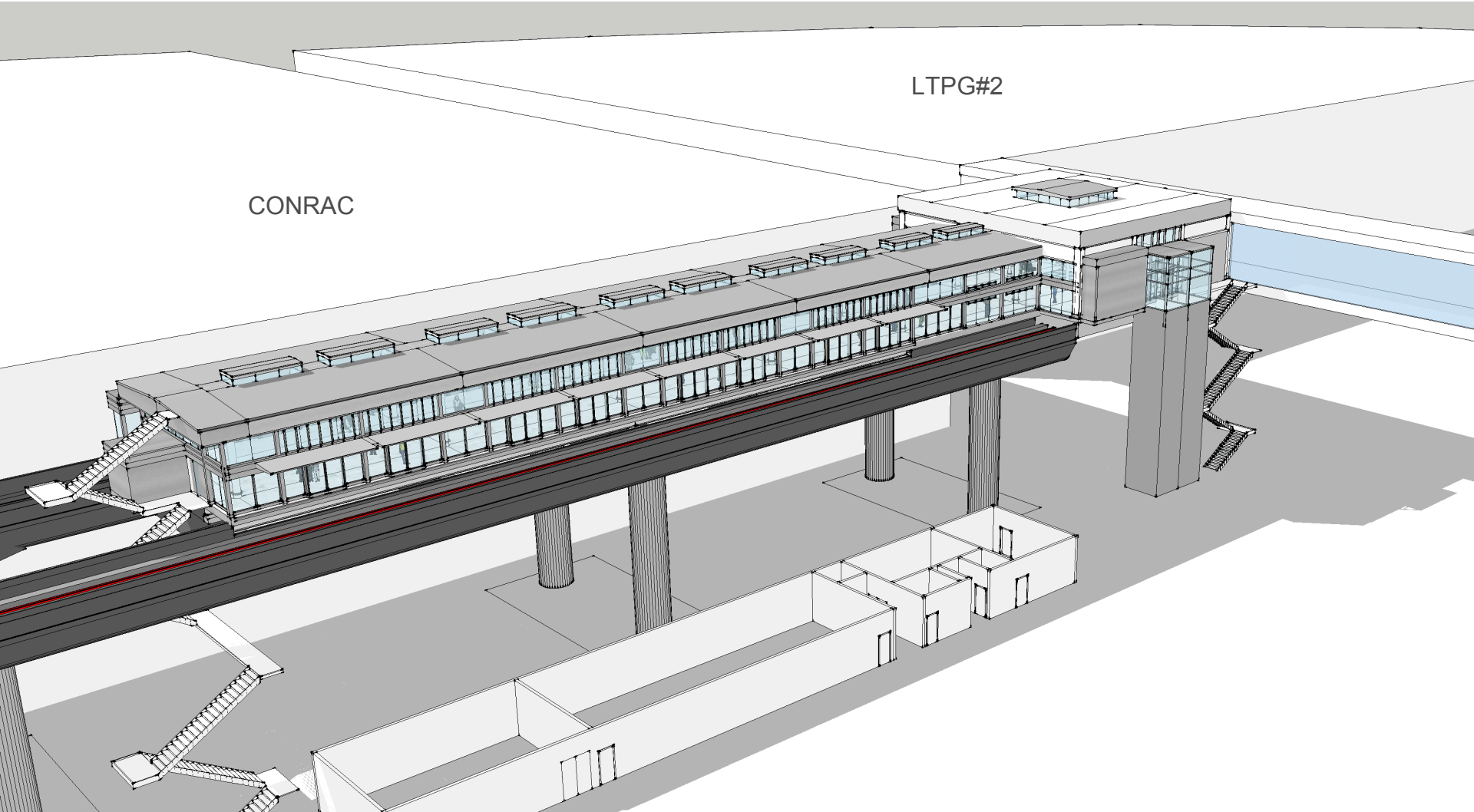
LTP Station – Platform Plan



LTP Station – Ground Level Plan



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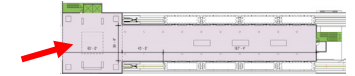
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LTPG#2

LTP Station – Birdseye



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LTP Station – Gallery Space

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Thank You!

