

Item No.	9a_supp
Date of Meeting	Jan 30, 2018

Sea-Tac International Airport



NorthSTAR Program

**Fourth Quarter 2017 Program
and North Satellite Project Update**



NSAT Renovation & NSTS Lobbies Project

Design Completed : 4/14/17

12 to 20 contact gate positions.

160,000 sf to 428,000 sf

Key elements:

Infrastructure

Gate Additions

Clerestory river

Airline services

Marketplace

Station lobbies

Technology

Seismic reinforcement



“Curb-to-seat” experience

Increased level of service

Safety

Passenger comfort

North Satellite – Objective and Purpose

Construction Video

<https://www.youtube.com/watch?v=C58twvN0tm0&feature=youtu.be>

NSAT Renovation & NSTS Lobbies

Accomplishments

- Completed 2017 Project goals
- Project on schedule and within budget
- Phase 1 basement concrete is complete
- Final building permit received
- Resolved schedule conflicts between 2018 Taxiway project and NSAT Phase 1 opening
- Completed passenger flow analysis for Concourse C & D – passenger congestion concerns
- Submitted design documents (LEED application) to United States Green Building Council
- Rainwater harvest tanks are installed and buried

Current Work

- Structural steel erection ongoing through April 2018
- Starting Phase 1 tenant improvement and Airport Dining & Retail projects coordination
- Art program elements building integration/coordination underway

North Satellite – Accomplishments and Current Work - Q4 2017

NSAT Renovation & NSTS Lobbies

Risks

- Impacts from scope changes, operational changes, customer service, unforeseen or unanticipated situations
- Maintaining critical path of central core escalator and elevator phasing complexity with potential impacts to passenger and operational levels of service
- Ability to provide adequate terminal/airside facilities (12 vs 14 gates) to minimize passenger & operational levels of service impacts during Phase 2
- Uncertainty regarding certification level, Leadership in Energy & Environmental Design (LEED)
- Ability to meet Century Agenda goals for energy use and Green House Gas (GHS) emission reduction

NSAT Renovation & NSTS Lobbies

Metrics

- Tracking well to SBE, SCS and M/WBE project goals and requirements
- No operational incidences recorded this quarter
- 170 change orders executed for \$7.4M increasing contract value by 1.6%; none over \$300K
- Apprentice goals are being exceeded
- Spent \$6.3M (27.2%) of construction contingency with \$26.3M remaining project contingency
- Total project spending \$19.4M



Quarterly Project Metrics Q4 2017



North Satellite 2015

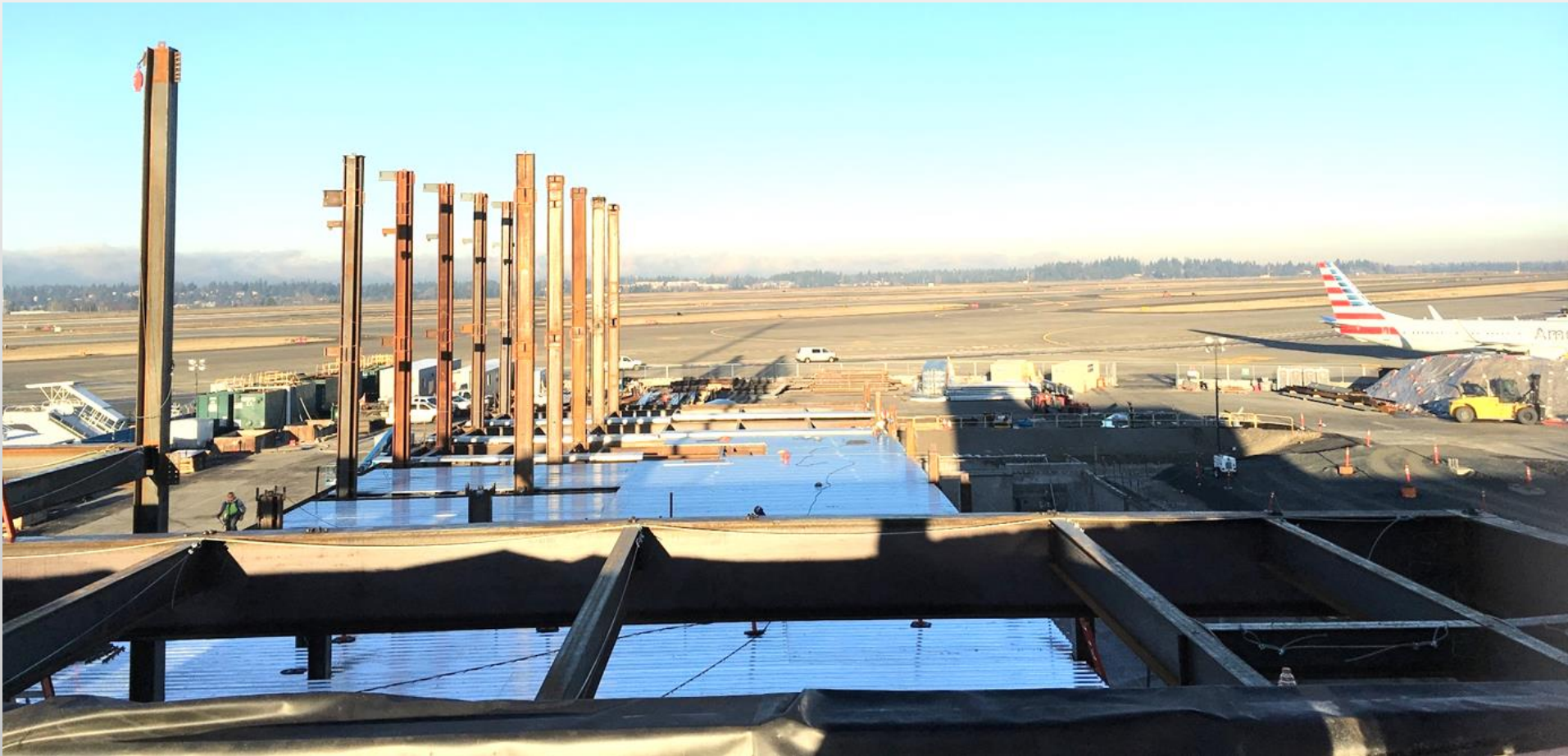


North Satellite Today

North Satellite Future



North Satellite – Progress



Phase 1 from NSAT Roof



Phase 1 Basement View 1/3/18



Phase 1 from NSAT Roof 1/3/18



Phase 1 Basement Completion 12/2017



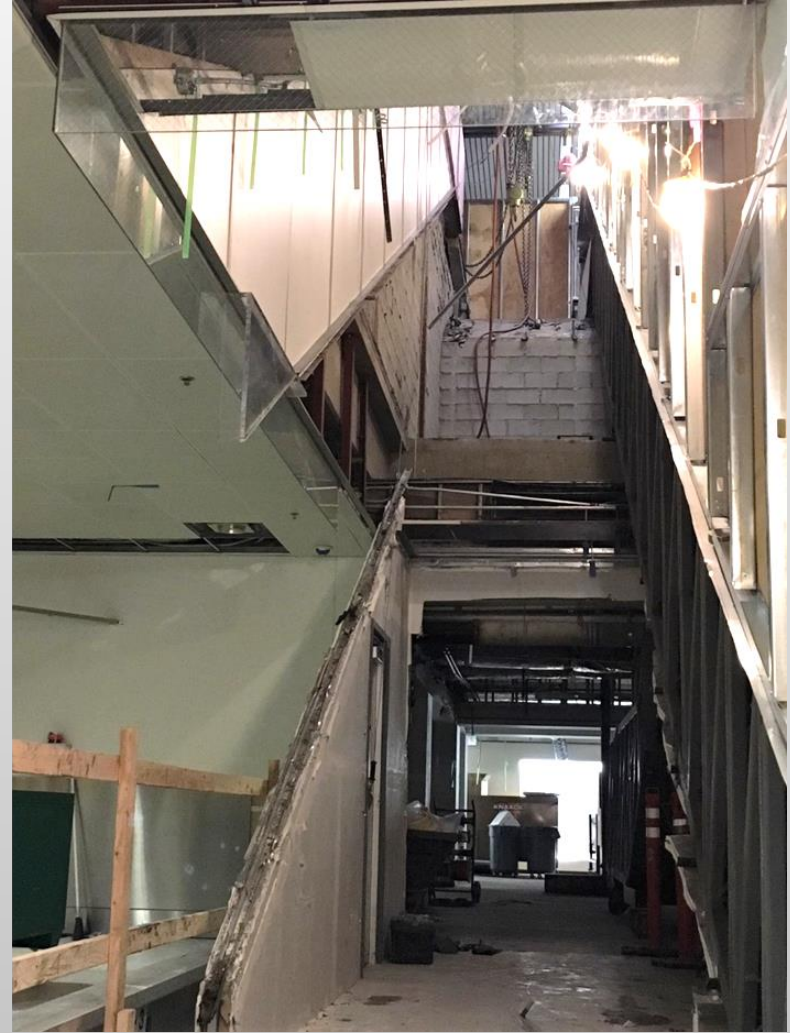
Rainwater Harvest Tanks



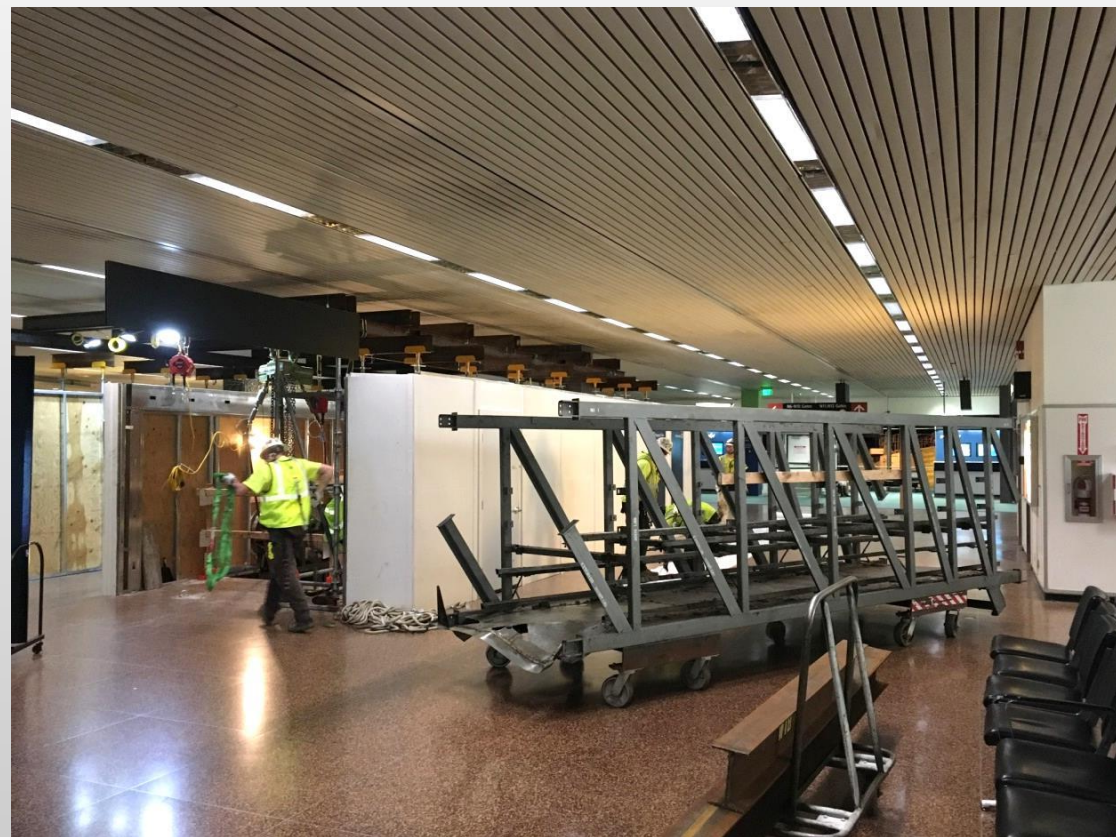
New Steel installation progress 12/4/17



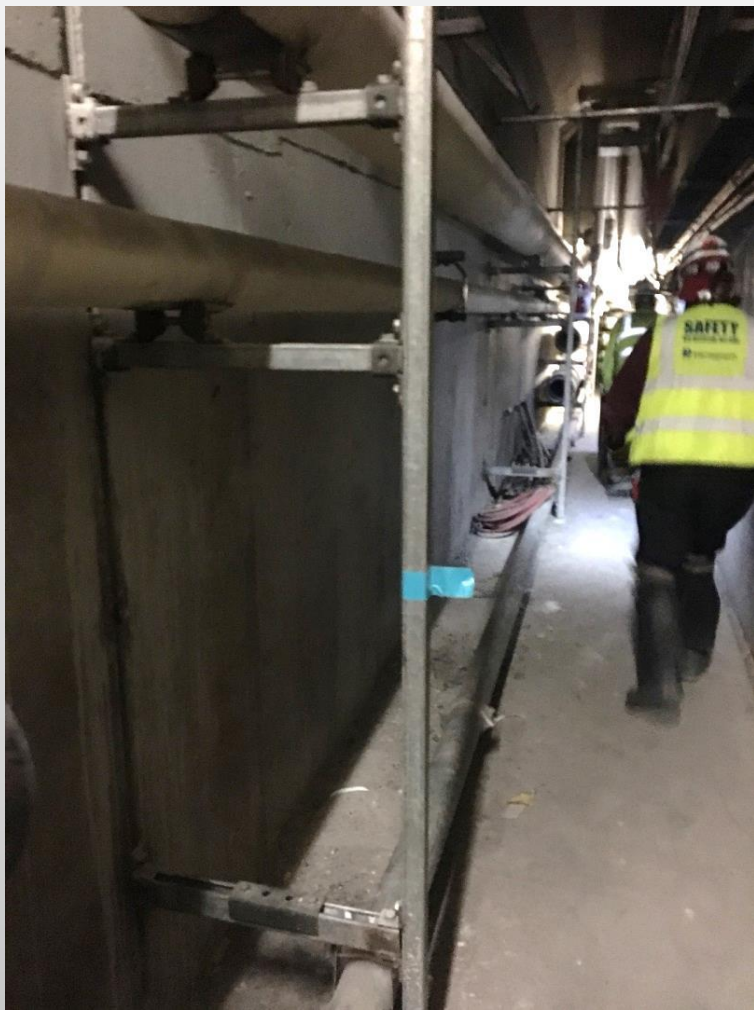
Steel and Generators



Escalator NS-4 Removal



Escalator NS-4 Replacement



Chilled water piping replacement progress – 30% complete