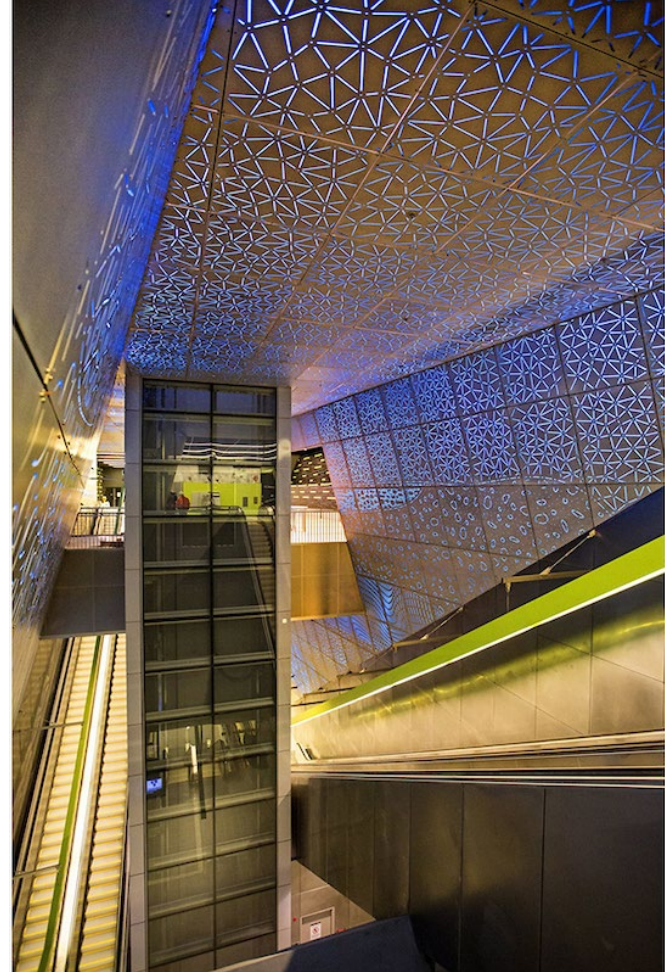


# *Vertical Conveyance Design Standards*

11/14/19

# *Why we are here*

- Vertical Conveyance Design Standards for Link Stations
- Today we are here to provide an update about the current design standards for elevators, escalators and stairs in future Link stations.
- For information only.



# *Design Standards at Sound Transit*

## *Sound Transit Link Standards Documents*

- Design Criteria Manual, updated 2018
- Standard Specifications, updated 2018
- Directive and Standard Drawings, updated 2019

## *Standards Development*

- Collaborative cross-departmental process with staff from planning, design, customer experience, construction, operations
- Updates planned on approximately two-year cycles with interim amendments issued as needed
- Includes lessons learned from current stations

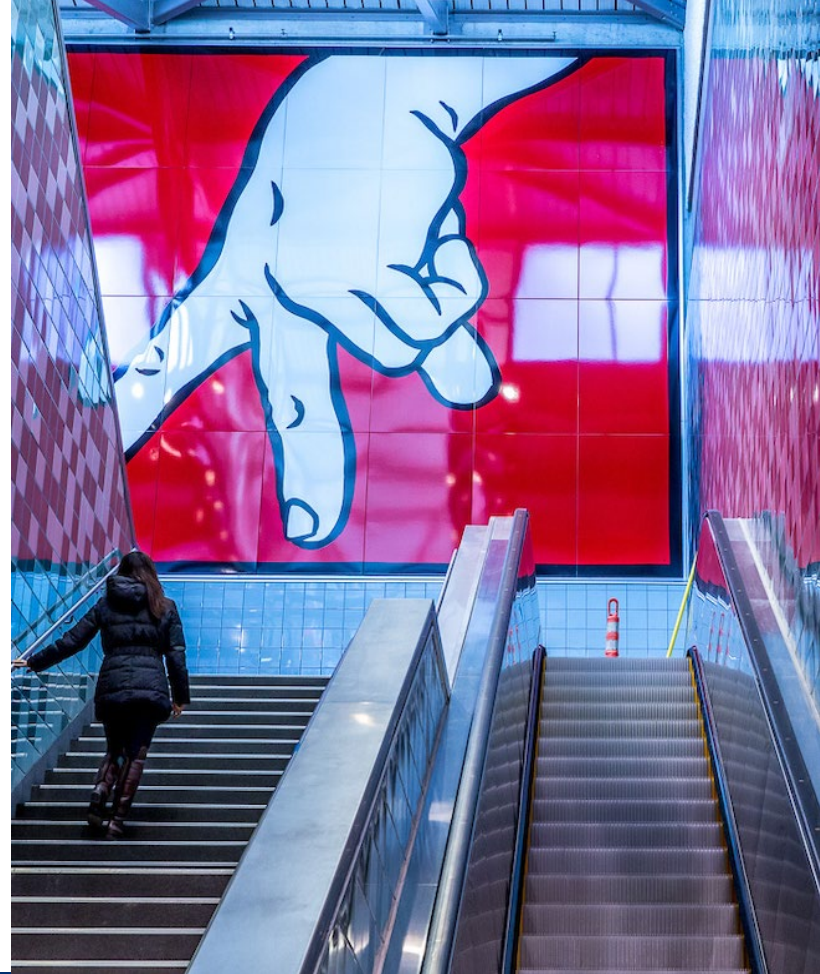
# Public stairs

## Updated standards include

- If a station has escalators, it will also have public stairs

## Public stairs at future stations

- U District Station had stairs added
- All Northgate, East Link and future stations conform to this standard
- Note: emergency egress stairs always provided per code



# Escalators

## *Updated standards include*

- Heavy duty escalators
- Upgraded durability of critical components including step chains, motors, comb plates and drive machinery
- Increased loading capacity
- Remote controllers allowing some maintenance activities without shutting down escalator
- Sleep mode to reduce energy consumption and limit wear on equipment

# Elevators

## *Updated standards include*

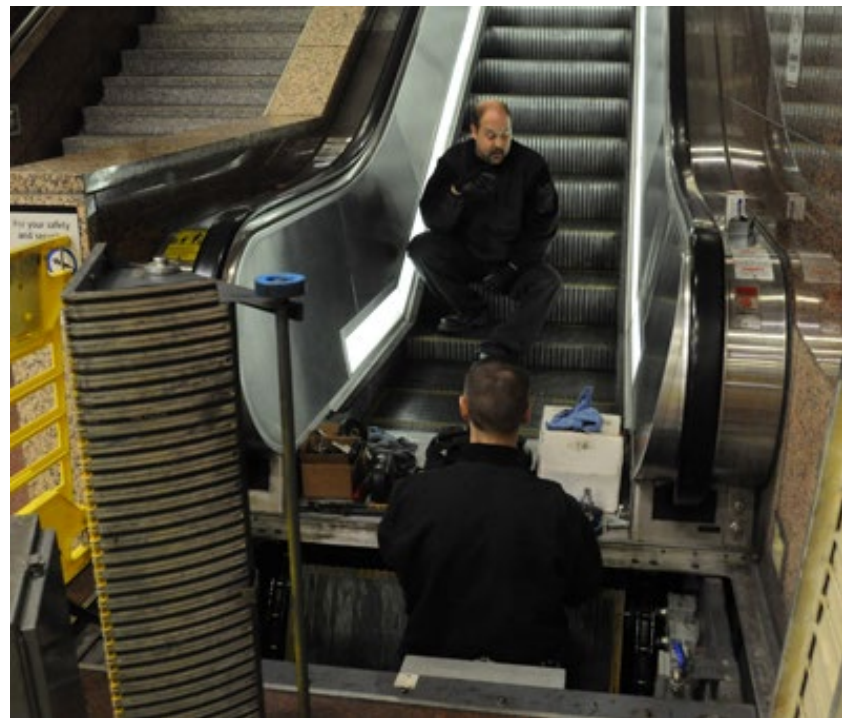
- Redundancy - Where one elevator is provided, a second elevator or alternate accessible path must be provided at all future Link stations
- Heavy duty loading capacity to accommodate wider range of mobility devices



# Vertical Conveyance Maintenance

## Updated maintenance standards

- In all future stations including those in construction, maintenance will be provided by the installer for up to five years
- If escalators reverse, then they will be exercised monthly in the reverse direction



# Summary

## *Improving the customer experience through design and maintenance standards*

- Stairs near escalators
- Heavy duty escalator equipment
- No reliance on a single elevator
- Longer maintenance period by installers





*Thank you.*



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