



## TUKWILA FIRE STATION 52

### TUKWILA FIRE DEPARTMENT

*Now part of Puget Sound Regional Fire Authority*

Fire Station 52 represents a commitment to create enduring civic infrastructure that serves communities for generations. As the second station in a coordinated series, this headquarters facility builds upon the architectural language and operational standards established in Fire Station 51, demonstrating how systematic design approaches can create a cohesive family of civic buildings while responding to unique site conditions and program requirements.

The City selected an underused parking lot adjacent to their City Hall campus, enabling strategic collocation of civic services while respecting the neighboring residential community. The constraints of the long, narrow site and headquarters program requirements, which included drive-through apparatus bay space for an engine, ladder, and battalion chief's vehicle, working and living space for a crew of up to eight, and office and support spaces for five full-time, public-facing administrative staff, necessitated a two-story solution.

The station's internal organization prioritizes firefighter health, safety, and operational efficiency. Ground-floor sleeping quarters provide direct apparatus bay access for optimal response times, while second-floor day spaces and administrative offices maintain visual connections to operations below. Careful zoning allows administrative staff and responding crews to share resources while maintaining operational autonomy throughout shifts. Central to the design is comprehensive contamination control through strategically placed airlocks that create transitional zones between operational and residential areas to isolate contaminants and ensure a healthy living and working environment. The airlocks facilitate gear cleaning and storage protocols while maintaining clear separation between contaminated apparatus areas and clean residential zones. This approach directly addresses firefighter health concerns while supporting long-term operational effectiveness by creating sustainable practices that protect both current crews and future personnel.

Firefighters consistently select Station 52 as their top choice for assignment due to its thoughtful and efficient layout, abundant daylighting, and views that enhance both operational awareness and quality of life.

#### CONSULTANTS + COLLABORATORS

Owner: Tukwila Public Works Department

Project Manager: Shields Obletz Johnsen

General Contractor: Lydig Construction

Geotechnical Engineer: Hart Crowser

Civil Engineer: LPD Engineering

Landscape Architect: Swift Company

Structural Engineer: Swenson Say Fagét

Mechanical Engineer: The Greenbusch Group

Electrical Engineer: TFWB Engineers

Specifications: Axt Consulting

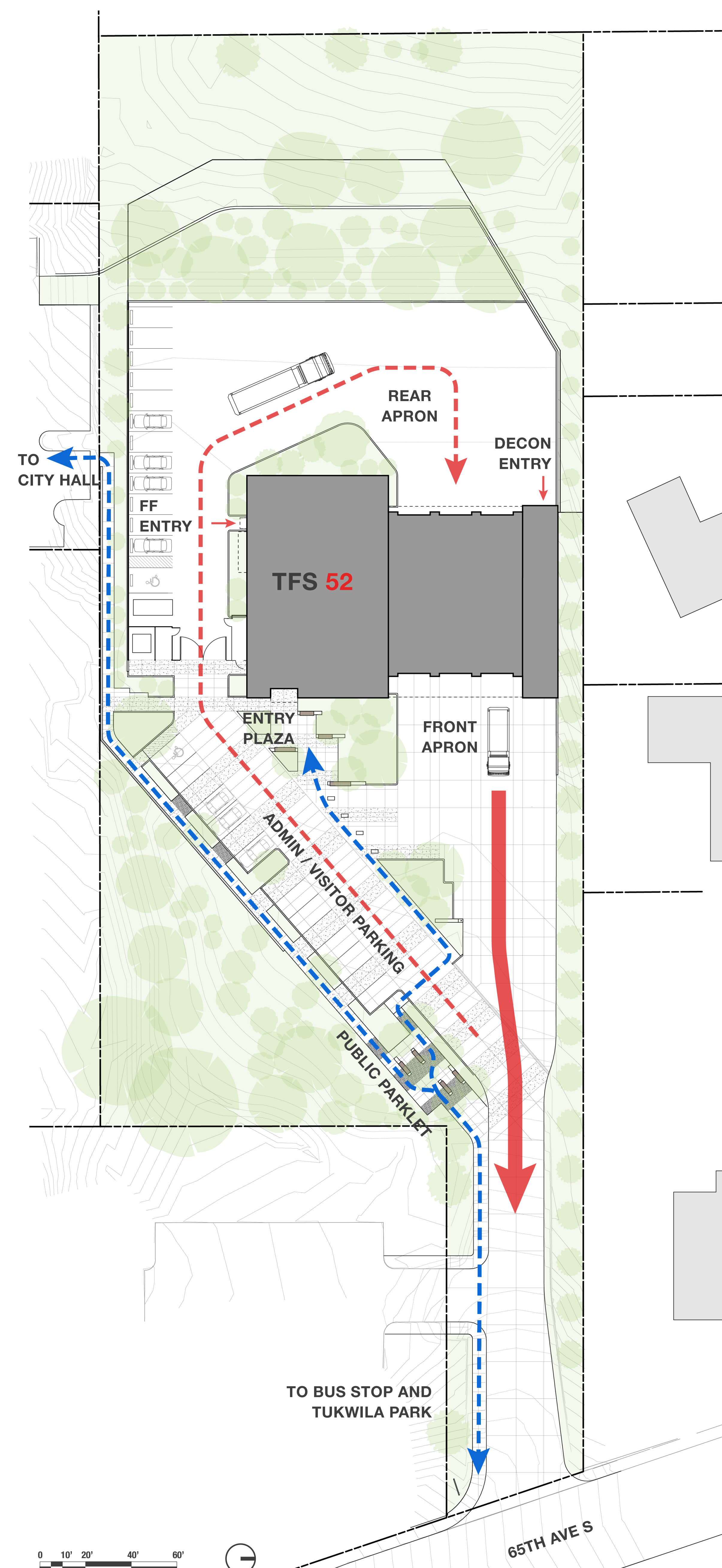
Cost Estimator: RLB Robinson

Envelope: JRS Engineering (now 4EA)

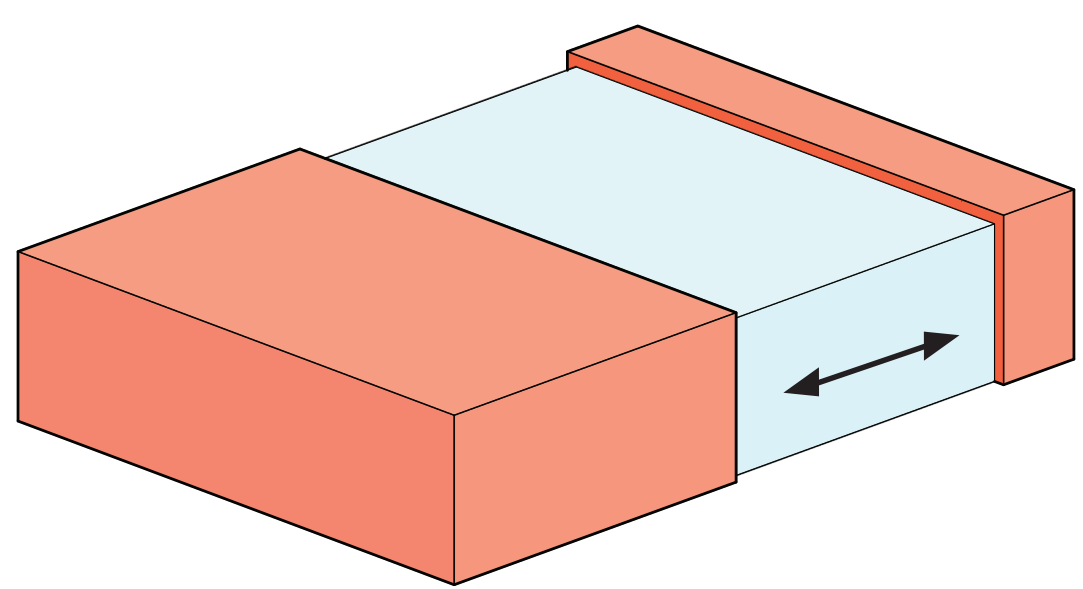
Fire Station Specialist: TCA Architecture

Sustainability: O'Brien360

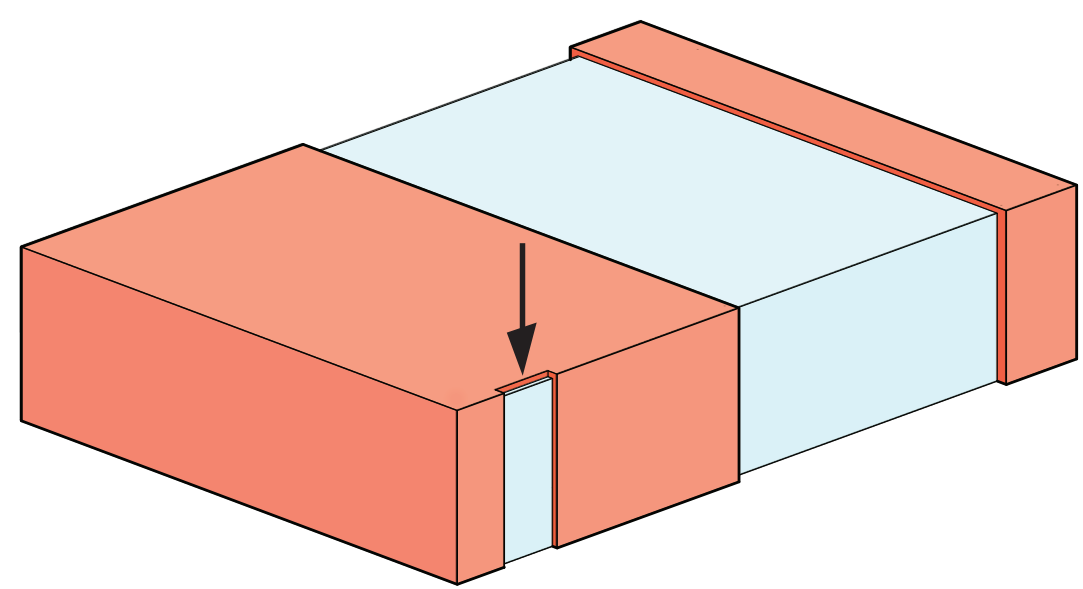
Traffic Signalization: WHPacific (now NV5)



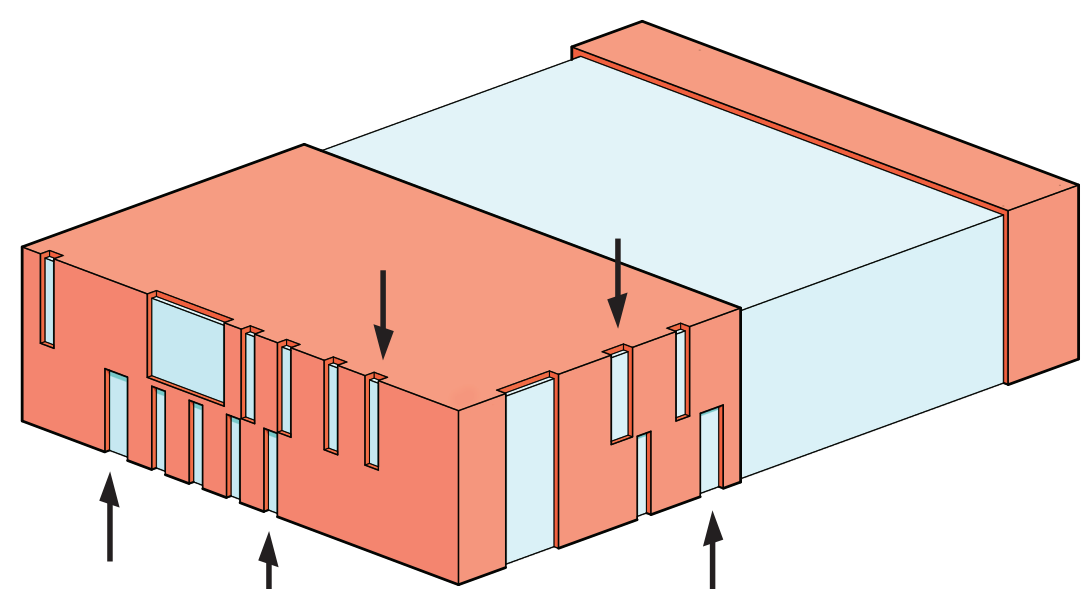




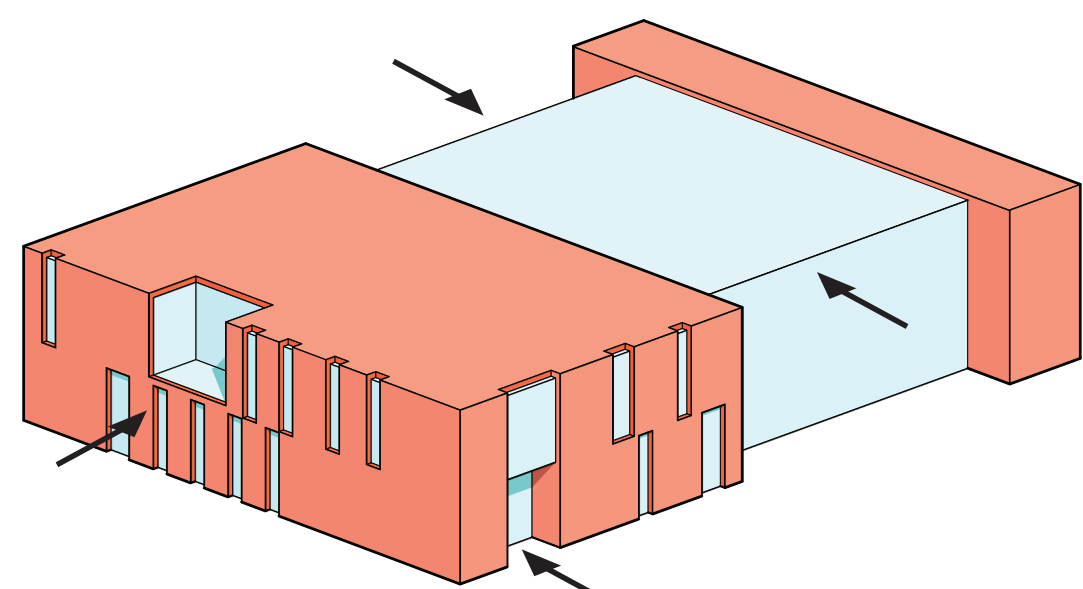
**PULL**  
apart a simple box to expose the apparatus bay



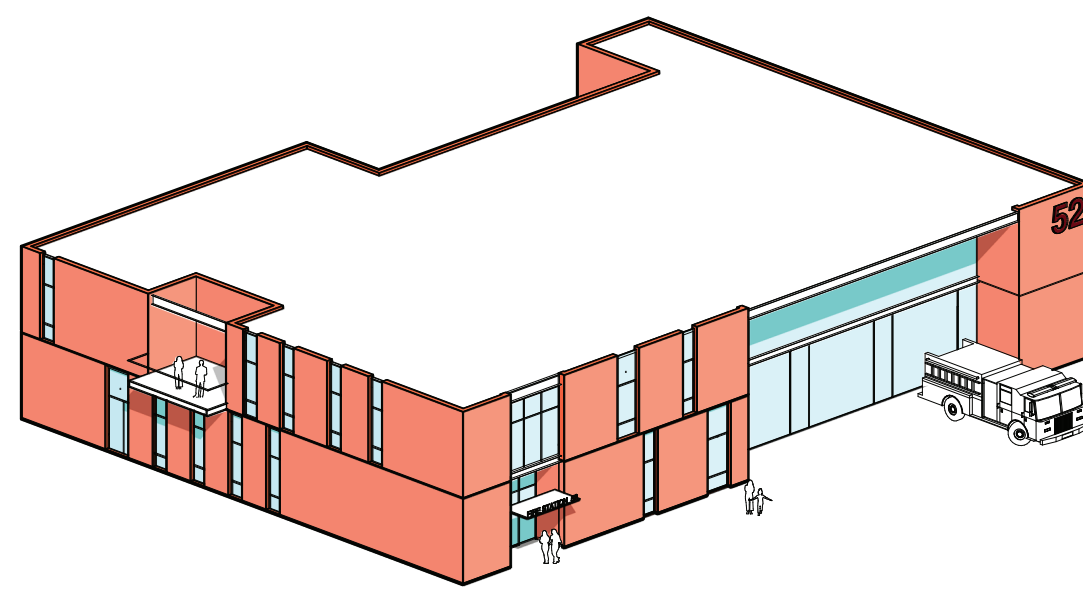
**SPLIT**  
the brick to expose the main building entry



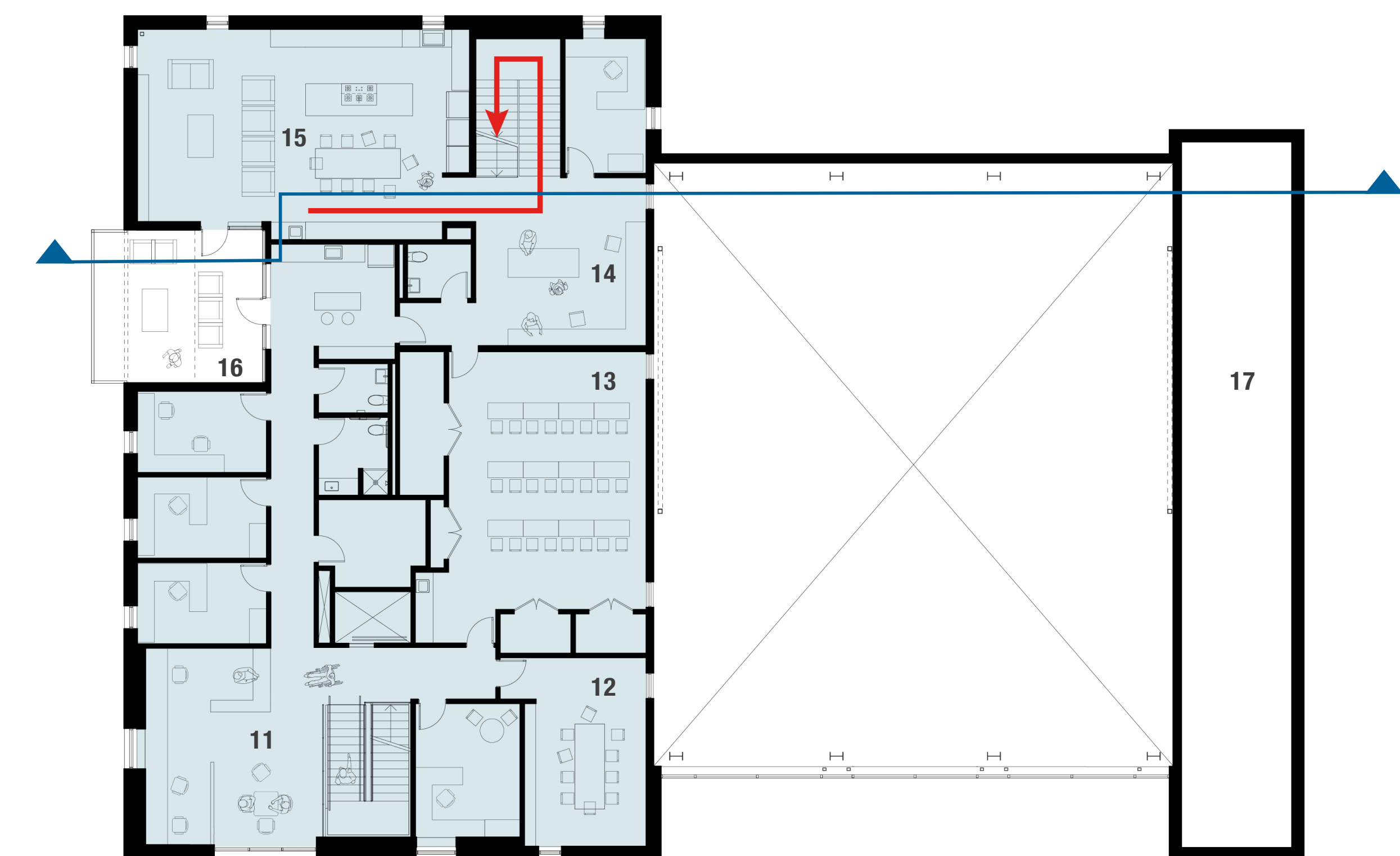
**INCORPORATE**  
secondary slots to provide required glazing



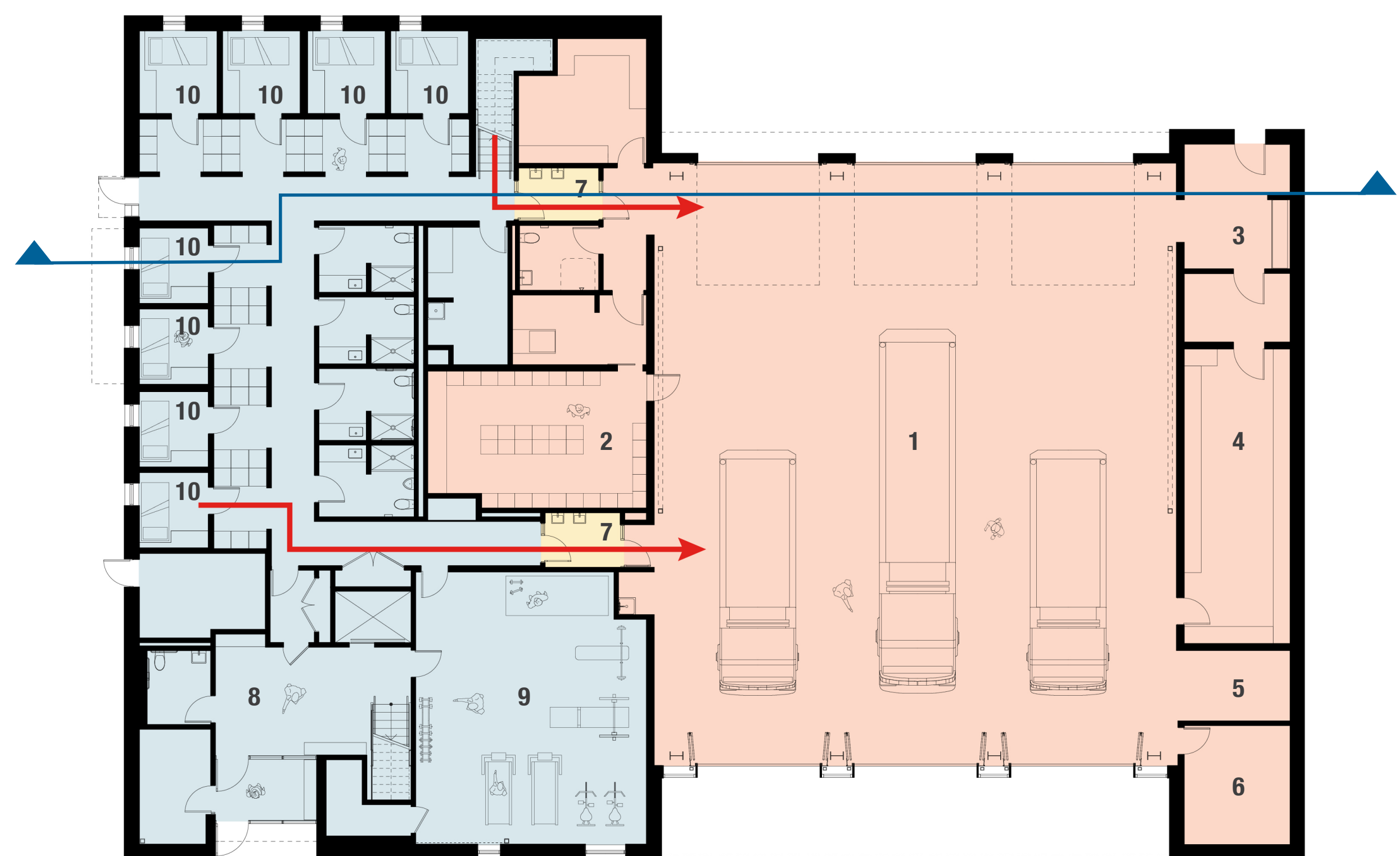
**PUNCH**  
in to emphasize prominent entries and exits



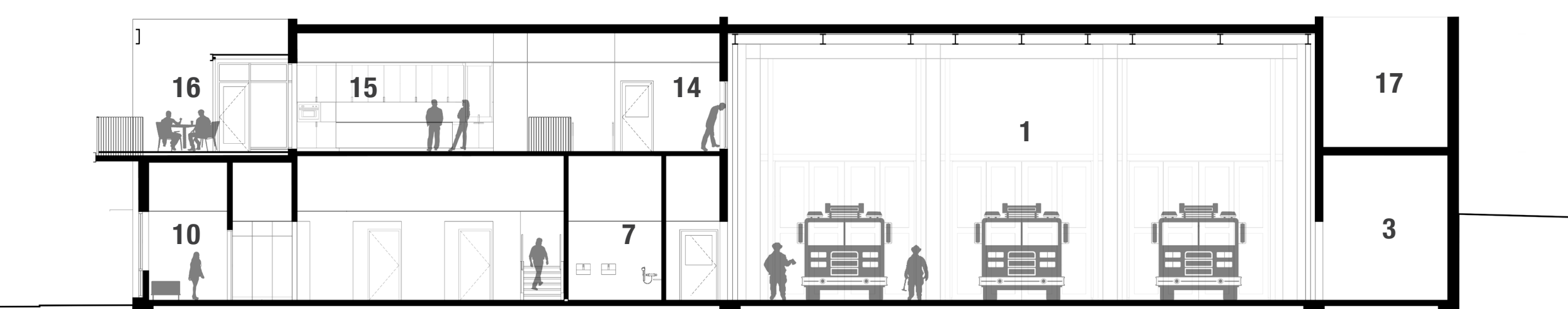
**FIRE STATION 52**



**SECOND FLOOR**



**FIRST FLOOR**



**BUILDING SECTION**

**DIRTY "HOT" ZONES**

- 1 Apparatus Bay
- 2 Gear Storage
- 3 Decontamination
- 4 EMS Storage
- 5 SCBA
- 6 Shop

**TRANSITION ZONES**

- 7 Airlock

**CLEAN "COLD" ZONES**

- 8 Lobby
- 9 Physical Training Room
- 10 Bunk Room
- 11 Admin Office
- 12 Conference Room
- 13 Training Room
- 14 Station Office
- 15 Great Room
- 16 Deck
- 17 Mechanical Equipment

