

PRELIMINARY DESIGN CRITERIA

The following are preliminary considerations for design criteria discussed as an initial starting point for design parameters of the Auburn Public Safety Building. These items are subject to change pending design development with the selected Design Team for the project.

A. General Building Design Criteria

1. Project will be designed and constructed in accordance with the 2015 edition of the New York State Building Construction (IBC Essential Services), NYS 2015 Energy and Fire Codes.
2. Project will be designed to meet ADA regulations and standards as defined in the 2010 ADA Standards for Accessible Design.
3. Project will adhere to SEQRA processes and requirements in addition to local regulatory requirements.
4. Project will seek NYSERDA credits as applicable.
5. Project will adhere to all state and federal OSHA regulations.
6. Entire facility shall be fully sprinklered per NFPA 13.
7. Refer to the following department design parameters outlined below for department specific design criteria.
8. Station program requires the facility to be capable of supporting up to 16 career staff/firefighters at any given time.

B. Fire Department

1. General Fire Department Design Criteria
 - a. Additional regulatory design criteria: NFPA 1710 and 1581
 - b. Facility will be provided with an emergency generator with capacity to operate at full service.
2. Operations and Response/ Firematic Support
 - a. Single story construction with a minimum clear roof steel framing at 18 feet above finished floor.
 - b. Exterior wall construction shall be reinforced cavity wall construction with masonry backup walls and masonry veneer.
 - c. Interior walls shall be concrete masonry construction with an epoxy coating.
 - d. Minimum 8-inch-thick concrete slab with a pitch trench drain system in each bay connected to an approved oil/water separator system connected to sanitary.
 - e. Bay (firematic) support spaces and mezzanine shall be similar construction with 4-inch-thick concrete slab-on-grade and raised floor system of 4-inch concrete over metal deck.
 - f. Building shall be equipped with mechanical and electrical infrastructure to support

department. Provide internal apparatus bay exhaust system and station alert system.

3. Fire Fighter/ EMT's, Bunking, Administration and Public

- a. Construction type shall be 2B- non-combustible.
- b. Multiple story construction allowed.
- c. Exterior wall construction shall be cavity wall metal stud and masonry veneer construction.
- d. Interior walls to be metal stud and gypsum wall board or concrete masonry construction.
- e. Minimum 4-inch concrete slab on grade and 4-inch concrete on over metal deck at raised floor system.
- f. Roof construction to be steel frame construction (pitched with min. 30-year shingles or standing seam or low-slope 0.060 EPDM with interior roof drains and overflow system).

C. Suggested Space Finish Level Descriptions

Basic Space

Floors

- High performance epoxy coating or polished concrete, mezzanine, sealed concrete

Walls

- High performance epoxy paint finish, two colors

Structural Steel

- Painted

Ceilings

- Painted structure

Doors and Frames

- Painted hollow metal

Standard Space

Floors

- Firematic Rooms: High performance epoxy coating or polished concrete
- All other spaces: Architectural grade VCT or carpet

Walls

- Firematic Rooms: High performance epoxy paint finish
- All other spaces: Paint

Ceilings

- Firematic Rooms: Painted structure
- Training Room: Combination of painted gypsum wall board soffits and suspended acoustic ceilings. (10'-0" height minimum)
- All other spaces: Architectural grade suspended acoustic ceilings or painted gypsum wall board (9'-0" high minimum)

Doors and Frames

- Firematic Rooms: Painted hollow metal
- All other spaces: Stained, solid core wood doors

Ceiling mounted Projector and motorized screen

- Provide 2 systems in Training Room.

Premium Space

Floors

- Tile

Walls

- Full height tile

Ceilings

- Painted gypsum wall board (9'-0" minimum height)

Doors and Frames

- Stained, solid core wood doors