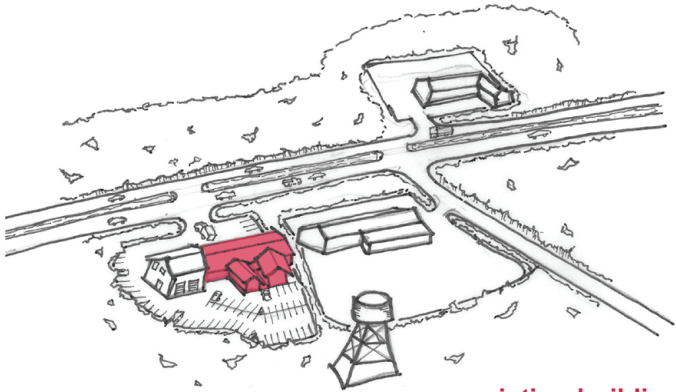




**Prince Frederick Volunteer Rescue Squad #4**  
Calvert County, Maryland  
Category: Professional Unbuilt Architecture

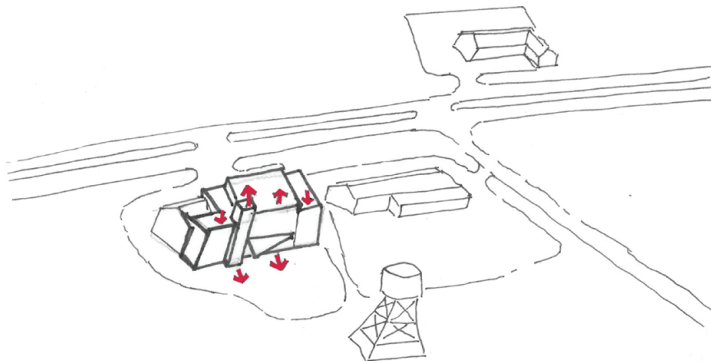
The design of this building was a result of analyzing carefully site conditions and client needs. The clients expressed that they wanted a space that would function as a rescue facility and simultaneously act as a gathering location for the community. The design footprint was largely set before design began and therefore thoughtful design decisions were necessary to create an interesting, intelligible elevation.

..... Entrance Approach .....



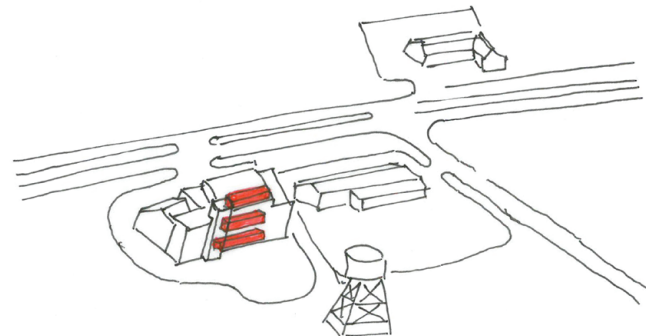
**existing building**

site surrounded by wooded area near bay. portion of building to be demolished in red



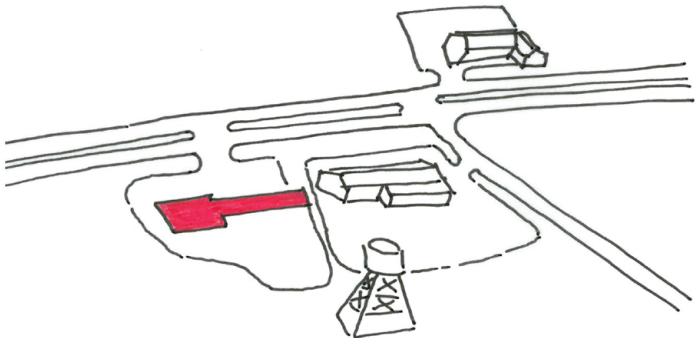
**program**

public areas are extruded up while private are pushed down



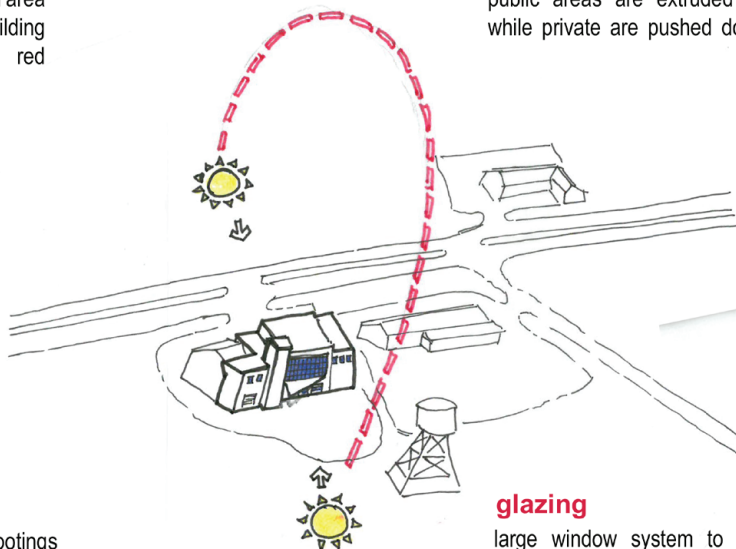
**public circulation**

stacked public circulation accessed through tower



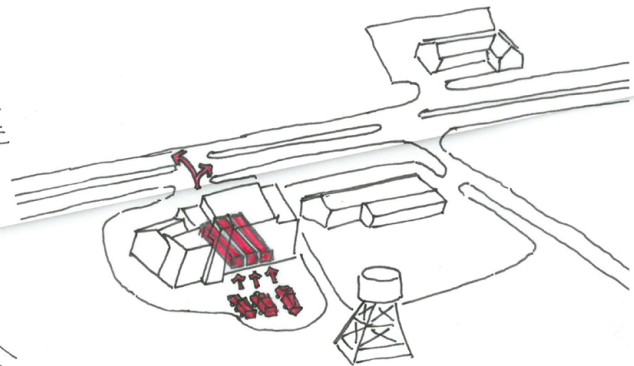
**existing footprint**

use of portion of existing footings to minimize soil disturbance



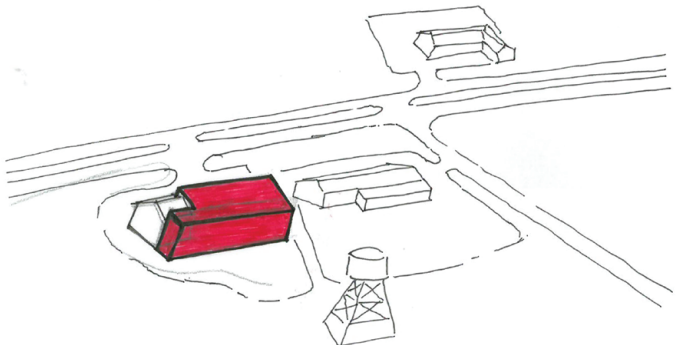
**glazing**

large window system to take advantage of east and west light



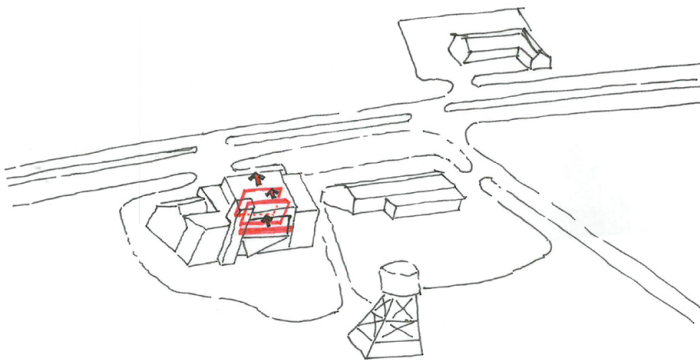
**vehicle circulation**

unobstructed ambulance access to adjacent road



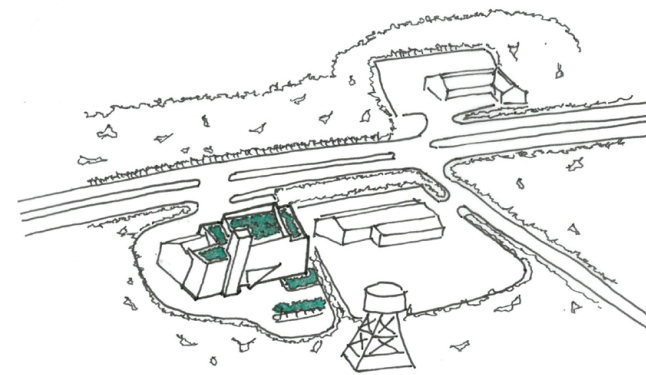
**new footprint extruded**

20 feet added to west side of building. Nine ambulances fit in expanded ambulance bay



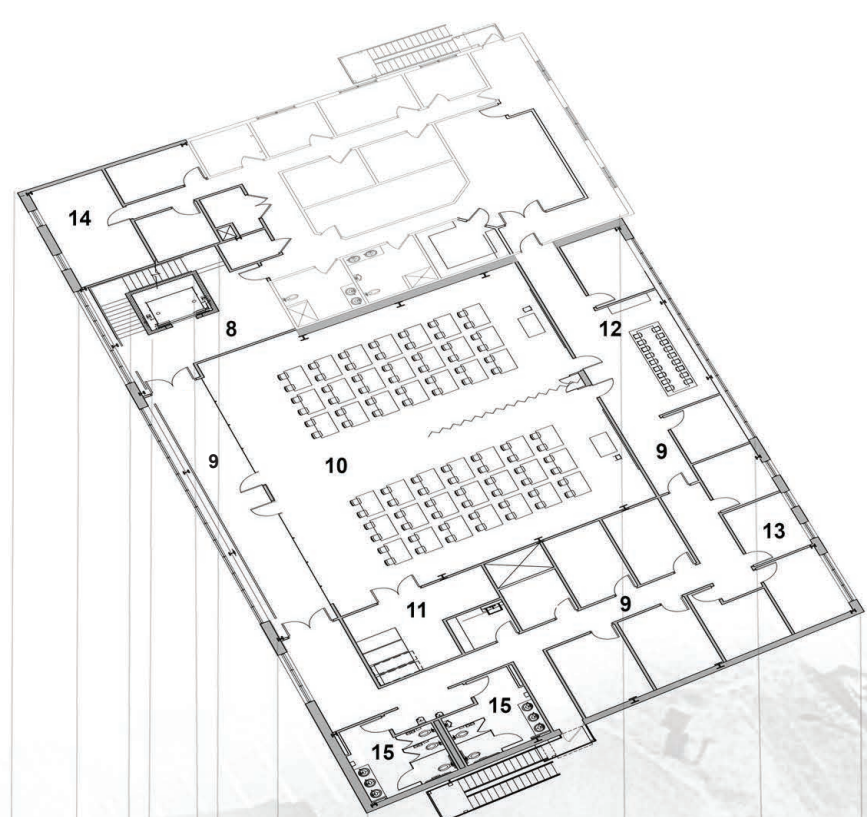
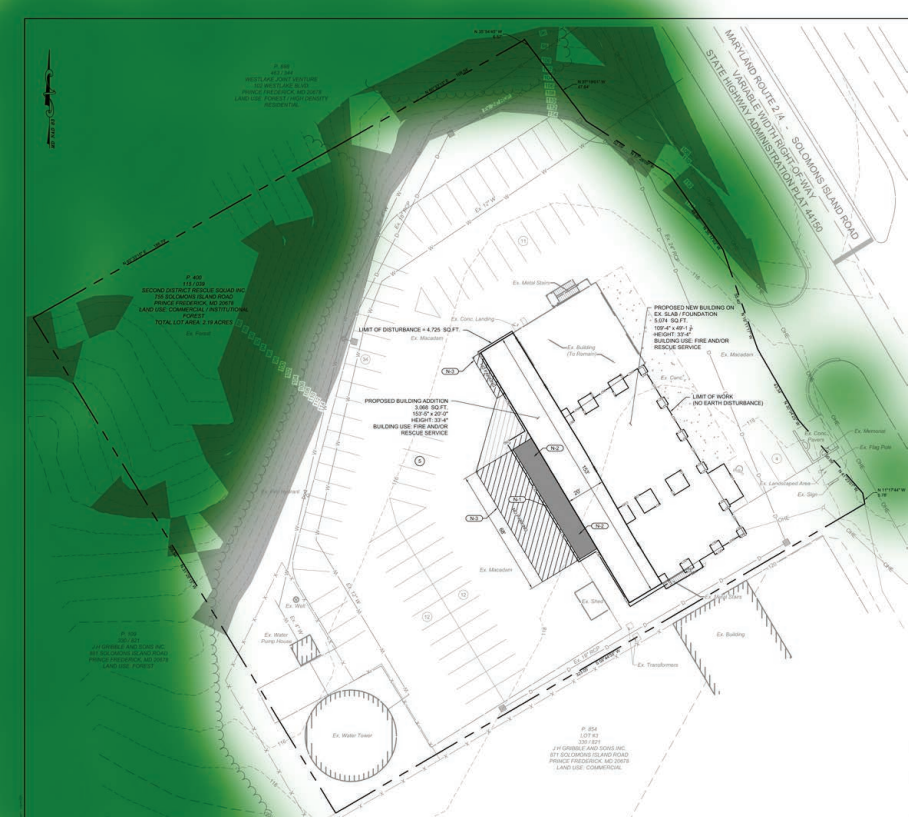
**facade depth**

depth in facade created by planes of varying transparency



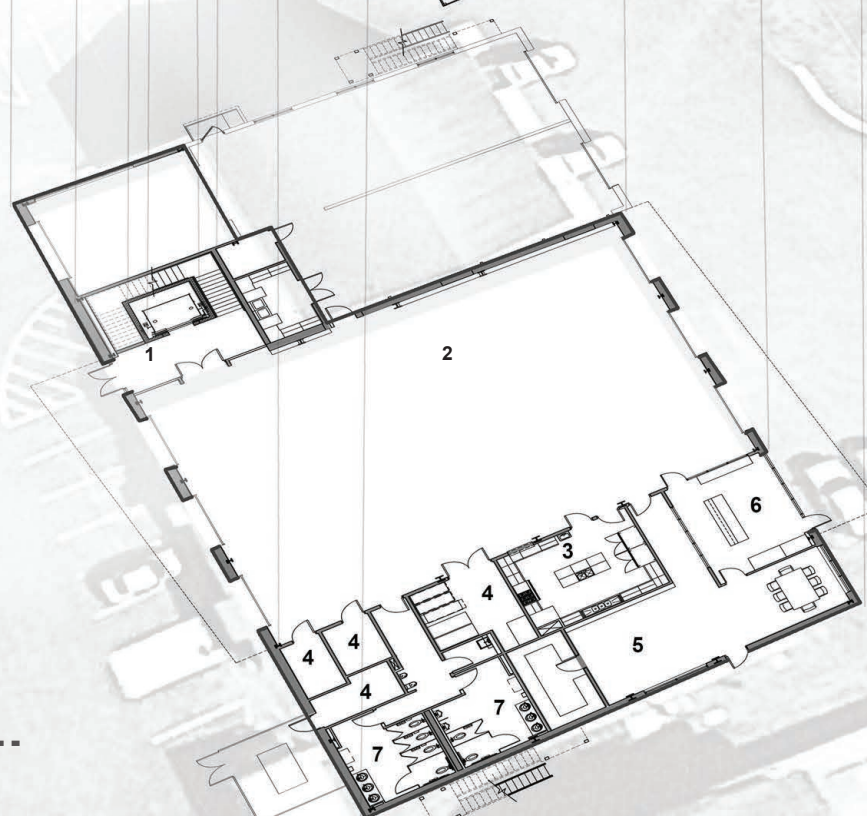
**green roof**

closed loop water system to utilize rainwater on site and to minimize the impact on the bay



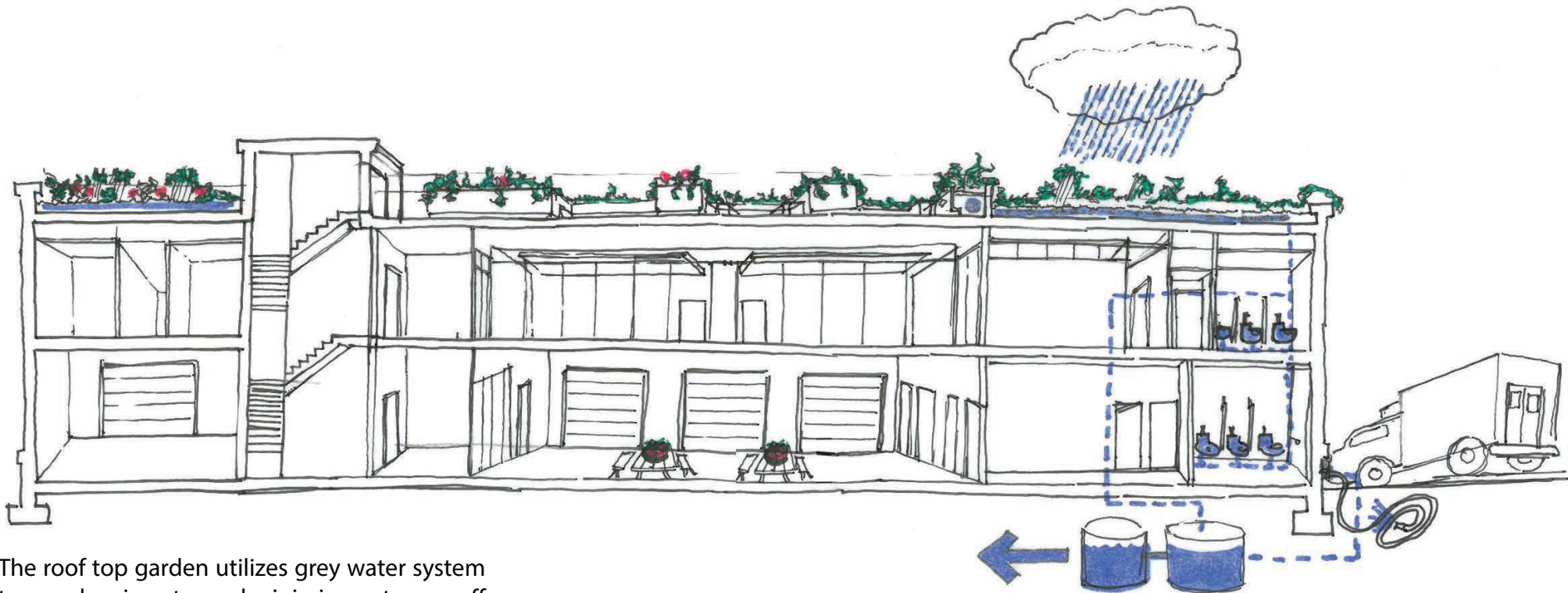
**SECOND FLOOR**

- 8 \_VESTIBULE
- 9 \_CORRIDOR
- 10 \_TRAINING ROOM(S)
- 11 \_STORAGE
- 12 \_BREAK ROOM
- 13 \_OFFICES
- 14 \_BUNK ROOMS
- 15 \_BATHROOM

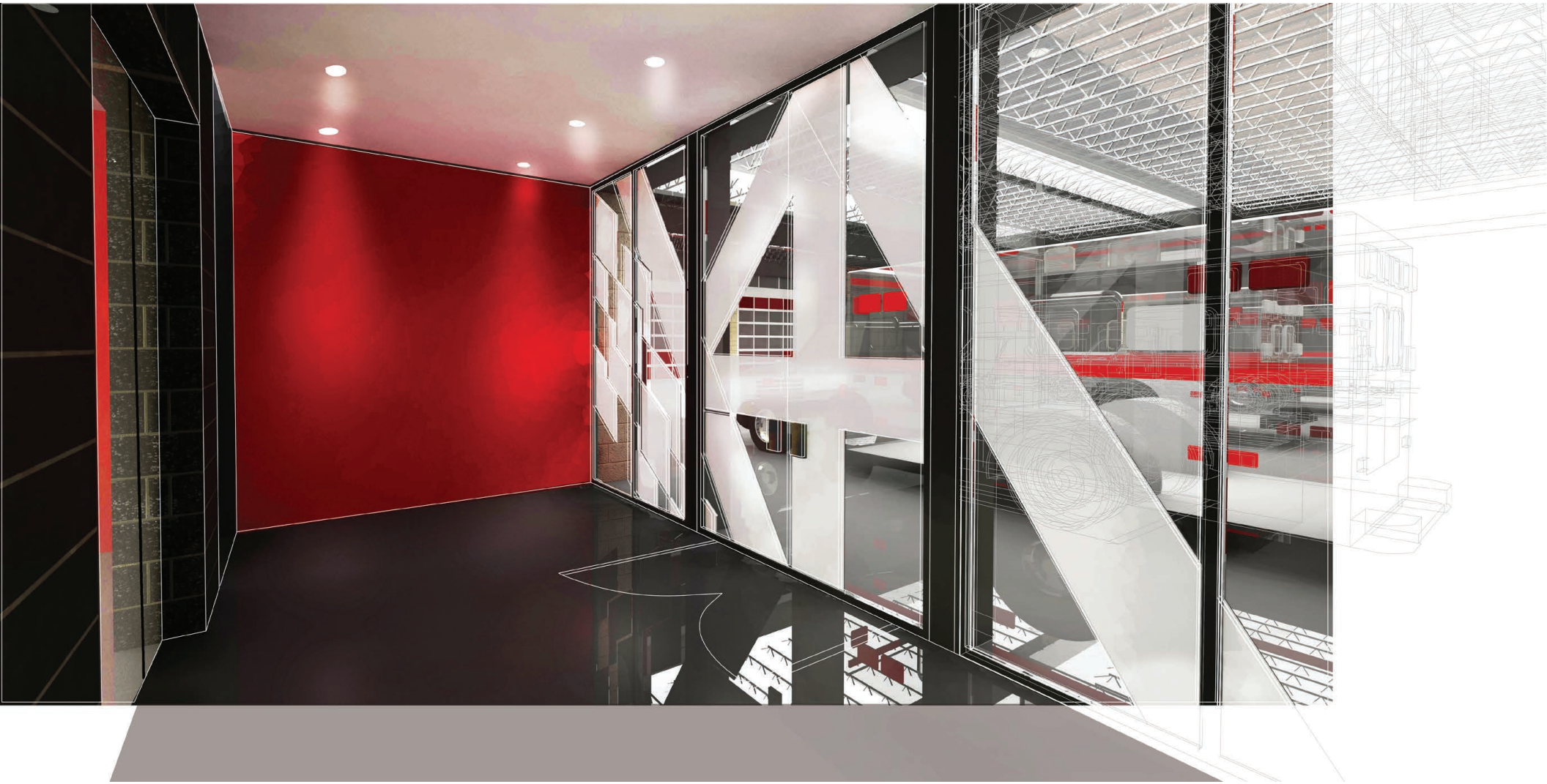


**FIRST FLOOR**

- 1 \_VESTIBULE
- 2 \_AMBULANCE BAYS
- 3 \_KITCHEN
- 4 \_STORAGE
- 5 \_LOUNGE
- 6 \_WATCH ROOM
- 7 \_BATHROOM



The roof top garden utilizes grey water system to recycle rainwater and minimize water run off to bay and surrounding area. The rainwater is not only used to water the garden on the roof but funnels down to the toilet facilities and wash bay for ambulance utilization. Remaining water filtered and pressurized for clean water use.



..... Vestibule Space .....



..... Bay Area .....



..... Circulation Space .....



..... Training Room .....





..... Roof Garden and Deck .....