



CASE STUDY

KEY ACHIEVEMENTS

Finished with 2 1/2 times less waste when compared to traditional building.

50% faster than a conventional building schedule.

Steel Framing consisted of 72% recycled material.

Less environmental impact.

No disruption to department activities.

The Problem: An existing, busy firehouse in the heart of the nation's capital was in much need of a face-lift and equipment upgrade. Service to the community could not be disrupted. A temporary location on an extremely tight urban site was available to accommodate the fire house and all of its equipment. Modular construction was selected as the ideal solution to minimize disruption to local business, traffic, and allow for a temporary relocation of this extremely busy station.

FIRESTATION EXPANSION WITH THE UpGrade SYSTEM

The Solution: Modular Genius partnered with Whitley Manufacturing to provide a two story firehouse meeting all the needs of a busy station. The buildings include offices, meal prep, dining, shower and rest rooms, sleeping facilities, and even an old fashioned fire pole .

Whitley's UpGrade modules were chosen to serve as the fire engine bay. The unique folding UpGrade building system could accommodate the largest fire fighting equipment, provide ceiling height in excess of twenty feet, and could be relocated to another site once the existing fire station remodeling was complete .

Modular construction was able to serve the very unique set of requirements of the city and ensure the community was kept safe .

DC FIRESTATION EXPANSION



1st Floor



2nd Floor

KEY FACTS

LOCATION

WASHINGTON, DC 20037

PARTNERS

MODULAR GENIUS

TYPE

TEMPORARY FIRESTATION

SIZE

7,300 SQUARE FEET, TWO STORY

UNITS

14 MODULES



UPGRADE SYSTEM