Community Health Center on the Tracks

According to statistics, the number of occupational pneumoconiosis cases is the highest among all industries, with 40,899 in 2014. In the coal mining industry, the prevalence of pneumoconiosis is 12.8%. To address this issue, a mobile medical clinic was designed. The clinic integrates a mobile diagnostic vehicle, a mobile medical vehicle, a mobile treatment vehicle, and a mobile consulting vehicle, which enable effective early diagnosis and treatment in remote areas.

However, the distribution of mining areas is uneven, and many mining areas cannot be effectively diagnosed and treated. Therefore, a mobile medical service was designed. Due to the extensive distribution of mining areas, the clinic is divided into six bases: Datong, Taiyuan, Shuangyashan, Pingyao, Xiaozhou, and Yingxian. The clinic can provide diagnosis, treatment, and treatment advice for patients with pneumoconiosis. It can also provide regular health checks for workers in high-risk areas.

The mobile medical service plays a crucial role in reducing the incidence of pneumoconiosis. In 2014, 1,234 cases of pneumoconiosis were diagnosed, a decrease of 6.8% compared to 2013.

The design of the clinic was inspired by the traditional Chinese medicine of the Tumu mining area, integrating the idea of unity and harmony. The clinic is designed in a compact and functional manner, with a mobile diagnostic vehicle at the front and a mobile medical vehicle at the back, ensuring convenient and efficient service.
Community Health Center on the Tracks

DESIGN FOR PNEUMOCONIOSIS

Recycling of building energy

Electrical connection and supply between containers

Energy Link Outlet Between Units

Basic energy supply unit

Hallway space modularity

Functional Transformers Unit

Schematic of splitting corridors to containers

Ladder makes where fencing connects to containers

Modular design of the window

Line 1 plan can be used to adapt to the specific location of the site. The strategy is to avoid the possible need for additional structures and provide electrical infrastructure and heating systems. Energy is managed and supplying the structural materials and achieves the connection of power supply to each unit.

Interior, exterior, and access to the structural systems.

Ladder makes where fencing connects to containers

Structural steel tubes are used to connect to the structural system. The structural system is connected to the ground to avoid structural flexure. The containers are connected to the structural system and extend to the ground for safe and efficient structural support. The containers are supported by the structural system and extend to the ground for structural control.

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Schematic of splitting corridors to containers

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Delay view of the interior, exterior, and access to the structural system. The structural system is connected to the ground to avoid structural flexure. The containers are connected to the structural system and extend to the ground for safe and efficient structural support. The containers are supported by the structural system and extend to the ground for structural control.