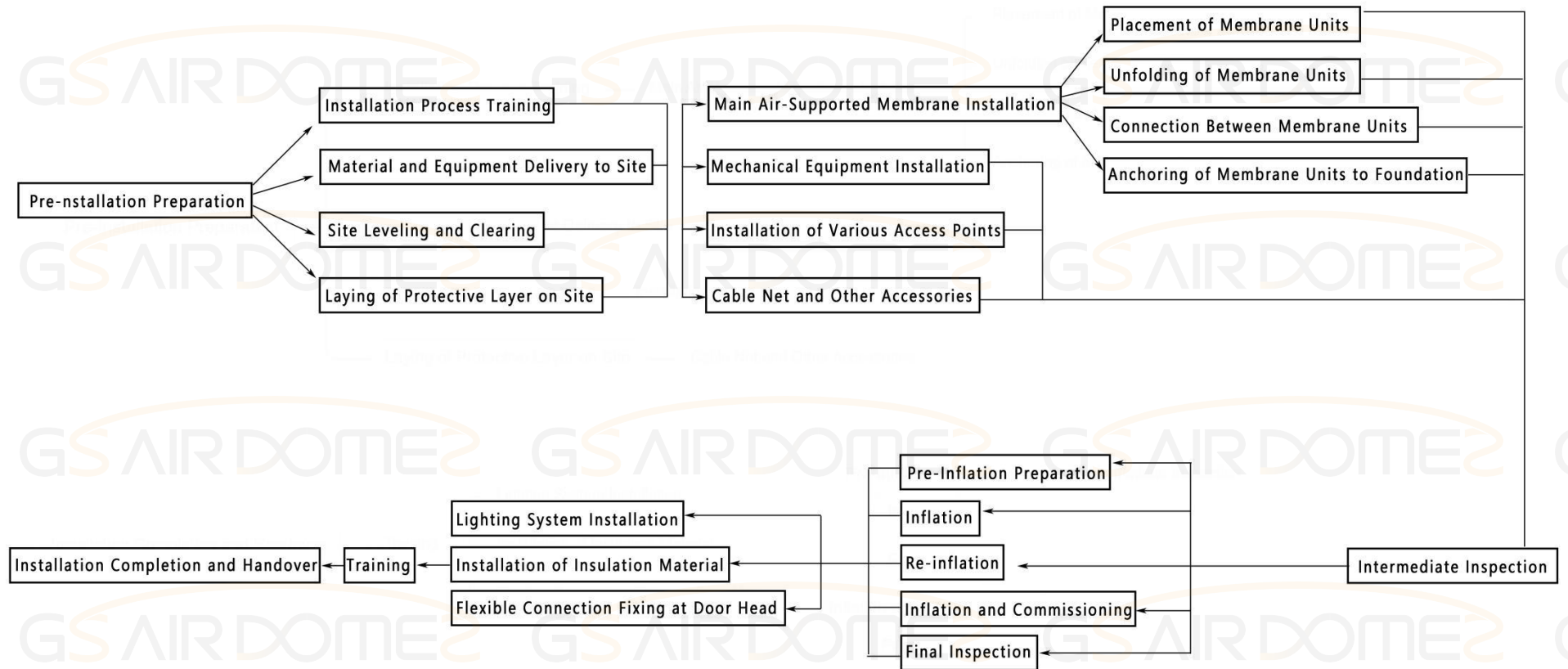




Construction process diagram of inflatable membrane on site



Emergency door installation

During the installation of emergency doors, the door must first be positioned according to the location specified in the construction drawings and anchored. After ensuring that the horizontal and vertical alignment of the emergency door meets requirements and that the door panel can open and close properly, the door body is secured to the concrete base slab. The steel structural diagonal bracing on the exterior side of the door is then connected and fixed to both the door frame and the



Revolving door installation

2.2 Mechanical and electrical equipment installation

The electromechanical systems integral to air-supported membrane structures comprise air-handling control units, backup generator control cabinets, modular air-conditioning units, and associated ancillary equipment.

Upon delivery to the construction site, the air-handling control equipment shall undergo formal unpacking and inspection procedures. Quantities shall be verified against the supply contract and packing lists. A comprehensive examination shall



Mechanical and electrical equipment installation

In accordance with the construction drawings and configuration list requirements, each functional section of the air-handling control equipment shall be hoisted to its designated installation position. Upon placement, specialized fittings shall be used to interconnect the functional segments. A seal shall be applied between the equipment and the concrete foundation to prevent air leakage.

The membrane units shall be unfolded sequentially in the direction indicated on their packaging. Unfolding is generally performed manually, and depending on the size of the unit, may require several to dozens of installation workers. Once unfolded, each membrane unit shall be dragged and laid flat on the ground. Care must be taken to ensure accurate alignment of the seams between units, connections at door openings, and positioning relative to the foundation beams.



Placement of membrane units



Unfolding of membrane units

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PLEASE INCLUDE

Project Location · Dimensions (L × W × H) · Intended Application