

30 April 2023

**Design Review Board Submittal
May 1, 2023**

Re: Air Flow Test Facility – SkyBridge Arizona



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ADM Group has been contracted to develop a new aviation manufacturing site, and one of the essential components of the site is the Air Flow Test Facility. The facility will be located on part of Lot 118-A at the southwest corner of SkyBridge Boulevard and South International Way, approximately at 7801 SkyBridge Boulevard.

The site will comprise of two structures: one for safeguarding the Air Flow Equipment, and the other for accommodating the control center and a small office. The equipment building will be constructed using tilt concrete and steel framing around the equipment to ensure the utmost safety and stability. The building will have insulated metal doors and frames, along with coiling doors that can be used for both security and operation.

The roof will be a membrane roof, designed to withstand extreme weather conditions, with exterior scuppers and downspouts for effective drainage. To ensure that the equipment is not damaged by strong winds, the site will also have a tilt panel enclosure and wind deflector that can withstand approximately 110 mph winds generated by the equipment. This is an unoccupied building that will not be conditioned.

The Control Building will also be built using tilt-concrete panel construction and will be fully conditioned, with restroom facilities to provide a comfortable working environment for staff. This building will house the controls for the test facility, which is essential for conducting tests accurately and safely.

The project has a very tight schedule, with the goal of testing the facility during the fourth quarter of 2023. The team at ADM Group is working diligently to ensure that the site is completed within the timeline while ensuring that all safety and quality standards are met. Once completed, the site will be further developed to include the manufacturing facility, providing a state-of-the-art facility for aviation manufacturing that meets the highest industry standards.

Sincerely,

ADM Group, Inc.

Jeffrey E. Flemming, AIA
Principal