

Washington State Community Airports 2022 Conference - Hangar Development Series

- Site Engineering and Site Development



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Key Topics

- Consultant Selection Process Review
- Hangar Taxilane/Building Configuration
- Hangar Access
- Site Grading and Drainage Considerations
- Utilities



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Consultant Selection Process



QBS
QUALIFICATIONS-BASED SELECTION



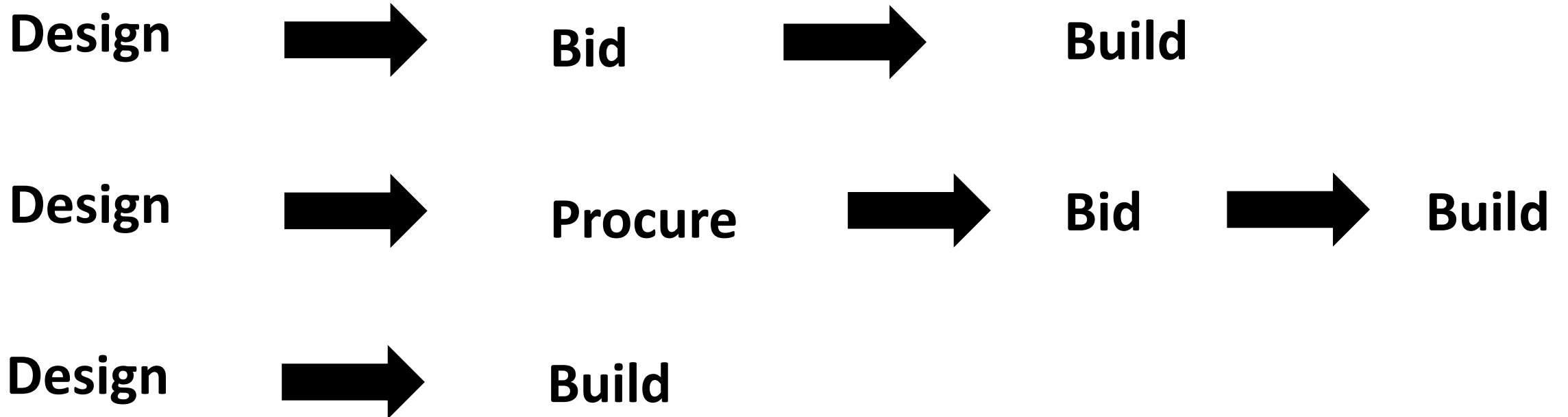
**Negotiate
Contract
(IFE)**



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Procurement/Construction Options



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Hangar & TL Configuration

- Taxilane = aircraft access to parking or hangar
- Taxilane configuration based on FAA pavement geometry
 - **FAA funding = FAA geometry & materials required**
 - **FAA allows certain WSDOT materials**
- Locally funded projects have fewer geometry & materials requirements



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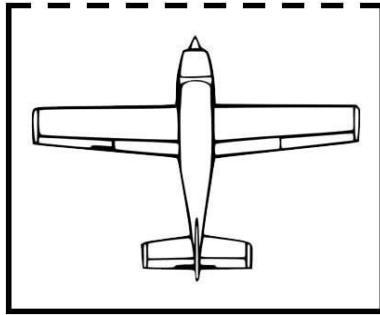
Taxilane Example



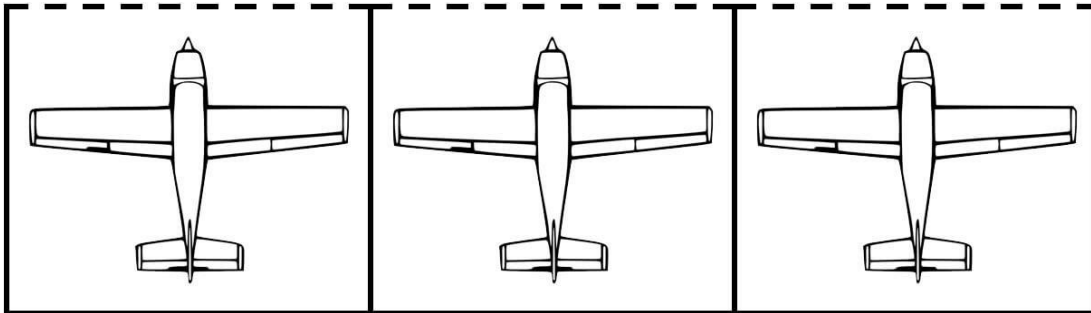
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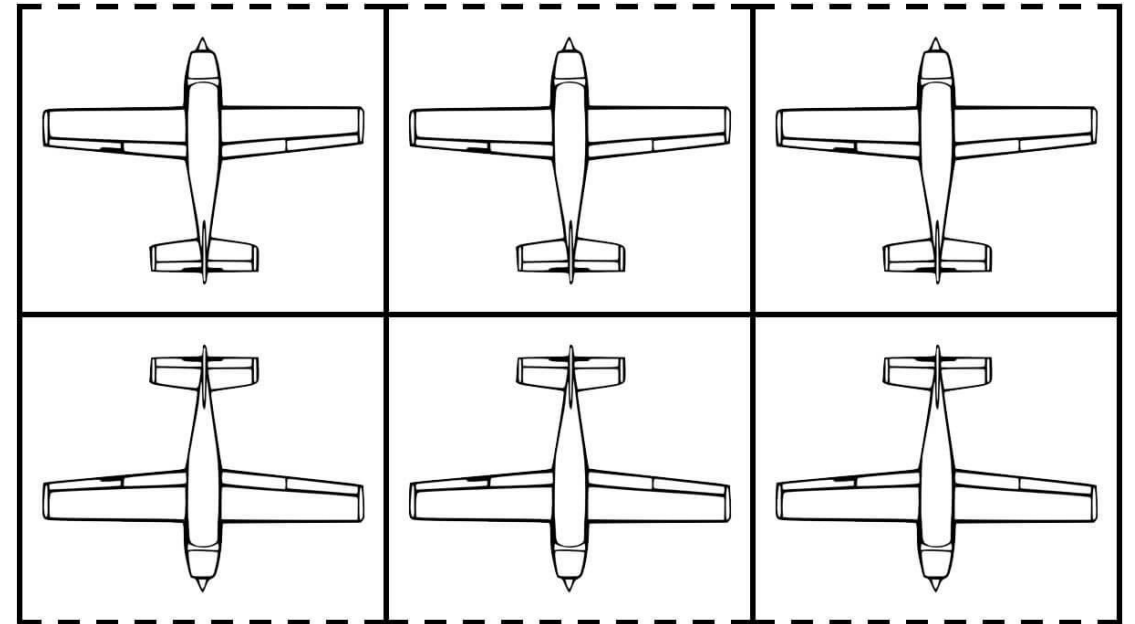
Box Hangar Types



Freestanding Box Hangar



Consecutive Rectangular Hangars



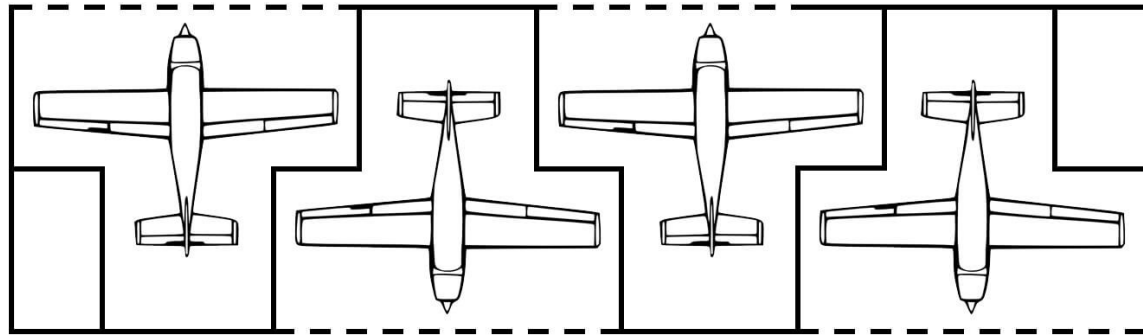
Back To Back Hangars



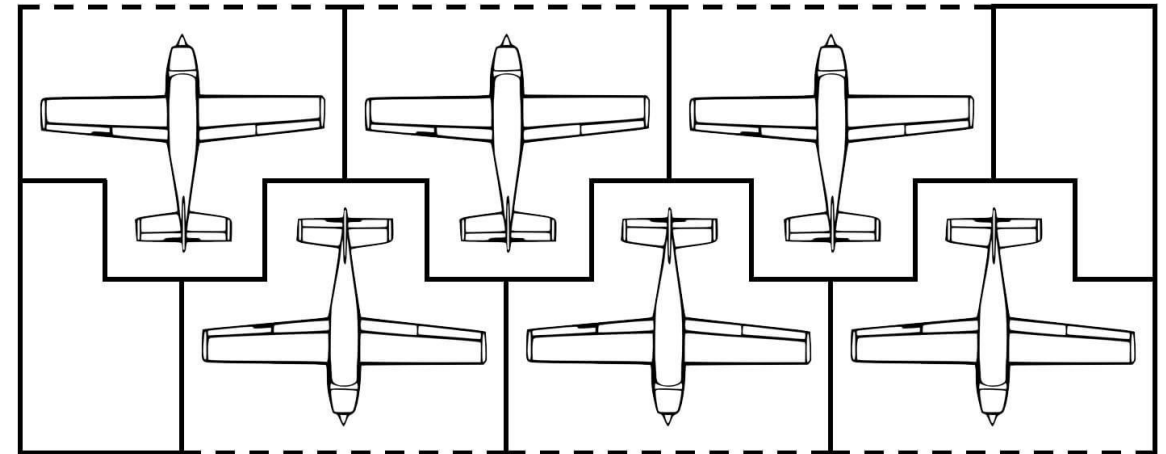
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T-Hangar Types



Standard T-Hangars



Nested T-Hangars



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Hangar Aprons



Drainage



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Grading



Utilities



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Questions?



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