



WARNER ROBINS AIR LOGISTICS CENTER



Robins AFB Paint-Depaint Facilities

9 November 2005



Artist's Concept



WARNER ROBINS AIR LOGISTICS CENTER



People First...Mission Always



Overview



WARNER ROBINS AIR LOGISTICS CENTER

- Background
- Major Milestones
- Design Requirements
- Stand Alone Booth
- Overall Specifications
- Key Innovations
- Summary
- Industry Needs
- Construction Photos
- Government Focal Points



Background



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- Three Corrosion Control Facilities for Medium to Large Aircraft
- Only One Accommodates C-5
- Must Remove C-5 Wingtip Fairings
- Bottleneck
- Poor Ventilation
- Inadequate Storage and Facilities



Major Milestones



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- Work Request submitted: FY00
- Contract Award: 25 Sep 03
- Ground Breaking: 18 Aug 04
- ECD Beneficial Occupancy: Mar, 07



Common Design Requirements



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- Uniform Ventilation
- Climate Control
- C-130 through C-5
- Optimized for C-5
- Nose-to-tail Ventilation (Back In)
- Smooth Inner Walls and Ceiling
- Storage Rooms Forklift Accessible



Common Requirements (Continued)



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- Breathing Air System (2400 cfm total)
- Process Air (3000 cfm new + 2000 cfm from base air supply)
- 2000 Tons of Chillers
- Four suspended Platforms
- Access to All Aircraft Surfaces
- Emergency Generator Backup
- Fall Protection
- Fire Suppression



Special Requirements for Paint Facility



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- Metal Halide Lighting
- Centralized Chemical Feed
- Good Grounding



Special Requirements for De-paint Facility



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- Plastic Media Blast
- Media Recovery System
- Lighting
- 20 Simultaneous Operators
- 52 Work Stations



Stand Alone Paint Booth



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- Paint C-5 Horizontal Stabilizer (60' x 90')
- No Impact from Aircraft Schedule
- Separate Ventilation System



Overall Specifications



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- Cost: \$78M
- Dimensions: 800' x 250' x 110'
- Each Hangar: 250' x 300'



Key Innovations



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- Re-circulation of Ventilation Air
- Tail-in Configuration
- C-5 Tail Stands
- Centralized Chemical Feed
- Suspended Platform (Possibly AMP)



Aerial Multi-Axis Platform (AMP)



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Summary



WARNER ROBINS AIR LOGISTICS CENTER

- Increase Capability
- More Worker Friendly
- More Environmentally Friendly
- Possible Automation



Industry Needs



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- Process Improvements
- Improved Access to Aircraft
- Improvements to Safety
- Environmental Improvements
- Productivity Improvements



Construction



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Box Beam



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- Height: 110'
- Weight: 230,000#
- Length: 243'



Construction



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Construction



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Location

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Government Focal Points



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Corrosion Control Lead Equipment
Engineer:

Kyle Moody / MXAOPM

DSN: 472-2940, Comm: 478-222-2940

Corrosion Control Facility Engineer:

Steve Hensley / MXAOPF

DSN: 472-2954, Comm: 478-222-2954