

Douglas J. Tobin, PE, RA
Registered Architect
Professional Engineer
Brief Resume

AREAS OF EXPERTISE: (Details on http://arc-ae.net/Projects-page_1.htm)

- Airport Master Planning & Design
- Baggage Handling Systems Design and Engineering
- Airport Passenger Terminal – IT + Security Systems Engineering
- Building and Facility Architecture, Electrical, Fire-Protection, HVAC, Structural Engineering
- Cargo Handling Systems Design and Engineering
- Cargo / Warehouse Facility and Material Handling Systems Architecture and Engineering
- Concessions Master Planning & Design
- Project Director, Program Management, Construction Management
- Security Systems – Explosive Detection Scanning – X-Ray Freight Scanning - CCTV
- System and Building Interface Architecture and Engineering
- Transportation Terminal Design and Planning

PROFESSIONAL REGISTRATIONS

1.0 Architectural Registrations

| | | |
|--------------|------------|------------|
| Connecticut | 03/18/1983 | 3559 |
| Florida | 12/07/1988 | AR0012063 |
| Georgia | 04/10/2000 | 010001 |
| Kentucky | 06/22/1994 | 4268 |
| Illinois | 11/30/1984 | 001-010926 |
| Mass | 12/12/1983 | 5779 |
| New Jersey | 07/13/2004 | AI 16622 |
| New York | 08/31/1984 | 016665-1 |
| Pennsylvania | 06/04/2004 | RA402965 |
| Texas | 01/06/2005 | 18860 |
| Virginia | 12/30/2002 | 0401-12680 |

2.0 Professional Engineer Registrations

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|-------------------------------------|------------|-------------|
| Connecticut Engineering In Training | 01/13/1987 | |
| Connecticut Professional Engineer | 08/01/1988 | 15545 |
| Maine | 07/07/1992 | 7401 |
| New York | 12/04/1989 | 066450-1 |
| Pennsylvania | 07/31/1990 | PE-040450-R |
| Vermont | 06/08/1994 | 18-0006694 |

3.0 Professional Organizations

NCARB Registered Architect
NCARB File No. : 34832
NCARB Certificate No. : 29078
New York Society of Architects, Member Since 1984

4.0 Professional Experience

- Professional experience includes:
- Airport Passenger Terminal Master Planning and Design Development
- Architectural, Structural, Mechanical, Electrical, Fire Protection Building Systems Planning, Design and Engineering
- Specialty Baggage Handling, Cargo, Freight Handling Systems Design and Engineering
- IT and Security Systems Design and Engineering, CCTV, Personnel Access and Control System, Hold Baggage Screening, and Passenger Check-point Screening.
- Concessions Design, Planning and Engineering
- Control Systems Design, Planning and Engineering, MCC, PLC, Controls, Sensors and Software planning and overall process control project development.
- Project Direction, Program Management and Construction Management
- Architecture and Engineering of major projects for Airport Cargo and Passenger Terminals located throughout the US and the World. Internationally at the New Athens International Airport, Greece; New Seoul International Airport, Korea; Changi International Airport, Singapore; Kuala Lumpur International Airport, Kuala Lumpur Malaysia; HACTL Cargo Terminals 1 and 2, Tai Tak International Airport, Hong Kong; Milano Linate and Milano Malpensa Airports, Milan Italy...etc. Projects include numerous Baggage, Cargo, and Material Handling Systems. Mr. Tobin has developed over 2 billion US Dollars worth of projects within the US and Internationally on commercial and industrial projects.

5.0 Airport Passenger Terminal & Baggage Handling Systems Projects :

- ARC International Associates Inc. – American Airlines, Miami International Airport – Cargo Terminal Master Planning and Concept Development. Cargo Handling Systems Planning and development. Office Program Concept Development. Security and IT Systems Planning
- ARC International Associates Inc. - DFASS - Duty Free Bonded Warehouse Cargo and Security Systems Planning. CCTV, Check-point Controls, Personnel Information Access Control. TSA design planning.
- Louis Berger Group Inc. – Pulkovo International Airport, St. Petersburg, Russia – Passenger Terminal, Satellite Tunnel, and Airport Taxiway Architectural Preliminary Design Quantity Survey and Cost Estimating, Preliminary Structural Engineering for Passenger Terminal and Satellite Tunnel.
- Louis Berger Group Inc. – Queen Alia International Airport, Amman Jordan – Baggage Handling Systems Planning and Design – IT and EDS Passenger Terminal Systems Planning and Design
- Louis Berger Group Inc. – Mariscal Sucre International Airport, Quito, Ecuador – Security and Baggage Handling Systems Planning for New Quito International Airport
- ARC International Associates Inc. - US Airways – Bradley International Airport – Terminal A Departures Level – Check in Counter and Kiosk Installation.
- Louis Berger Group Inc. – Montego Bay, Jamaica International Airport – Baggage Handling Systems Design and Development – Architectural Engineering and Project Development
- ARC International Associates Inc. - US Airways – Philadelphia International Airport – Terminal B-C Connector – L3 and EDS Scanner Systems Installation and Baggage Handling Systems Modifications and Additions
- Louis Berger Group Inc. – Incheon International Airport – Baggage Handling System Bid Evaluation and Selection Committee
- Sydney International Airport, Baggage Handling Systems Design Evaluation and Project Testing, Sydney Australia
- ARC International Associates Inc. - San Francisco International Airport International Terminal Baggage Handling Systems
- Parsons Group International - New Athens International Airport, Spata, Greece Baggage Handling Systems
- Parsons Group International - New Seoul Korea Intl Airport - Baggage Handling Systems –

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- Bid Evaluations and BHS System Design critique
- ARC International Associates Inc. - Albany Municipal Airport Albany, NY Temporary Passenger Terminal FIS Terminal Relocation Project
- ARC International Associates Inc. - Value Engineering (VE) Study for New York Port Authority
- ARC International Associates Inc. - Greater Buffalo International Airport
- Newark International Airport
- JFK 2000 - Master Plan
- Venice International Airport - Master Plan - 2010
- SEA Linate - Milano-Linate International Airport
- SEA Milan Milano-Malpensa International Airport, Milan, Italy
- British Airways - JFK International Airport, New York, N.Y.
- Port Authority - JFK Master Plan, JFK International Airport, New York, N.Y.
- United Airlines - Airport Passenger, Freight, Mail Baggage Handling Underground Terminal Master Plan, O'Hare International Airport, Chicago, Ill.
- Alitalia-Passenger Terminal Baggage Handling, DaVinci International Airport, Rome, Italy
- SEA - Passenger Terminal Baggage Handling, Milano-Linate International Airport, Milan, Italy
- United Airlines - Design and Renovation Denver International Airport Denver, Colo.

6.0 Airport Cargo, Freight / Material Handling Systems Projects :

- Mariscal Sucre International Airport – Quito Ecuador – Air Cargo Operations Specialist on the Technical and Market Study for Improving Flower Handling Cargo Facilities
- Cielos Airlines - South Winds Cargo – MIA Cargo Terminal Demo Project
- Tampa Airlines – Cargo Building 708 - Demo Project
- Floriculture Redistribution Centre - Dubai International Airport - Cargo Terminal Master Planning, Building Site Development, Architecture, Structural, Electrical, Mechanical Engineering, Dubai, United Arab Emirates
- Aerolink International Inc. Cargo Terminal Project - South Cargo Area Building A,
- Atlanta International Airport Atlanta, GA
- Advance Cargo Systems - Aerofloral - Frontier Airlines Cargo SA
- X-Ray Facility - Cargo Terminal Building 701, Miami International Airport Cargo Area
- Miami, Fl.
- Aerofloral - Aerokool - Frontier Airlines Cargo SA Warehouse - Cargo Terminal Building
- Miami International Airport Cargo Area Miami, FL.
- Tampa Airlines Cargo SA MIA-CFS - Cargo Terminal Building 708,
- Miami International Airport Miami, Fl.
- MIA-CFS - Cargo Terminal Building 706, Miami International Airport
- Miami, Fl.
- MIA-CFS - Cargo Terminal Building 707, Miami International Airport
- Miami, Fl.
- Carisam International Corp. Duty Free International Inc.
- ISO Container Storage Park
- MIA-CFS - Cargo Terminal Miami International Airport Miami, Fl.
- HACTL Cargo Terminal 2 Expansion Hong Kong
- Japan Airlines - JFK Master Plan JFK International Airport New York, N.Y.
- Federal Express - Newark Freight Terminal Port Authority Submittals
- Pan Am Cargo Terminal Relocation Miami International Airport
- SATS Terminal 1A - 4A Expansion Cargo Terminal Architectural Engineering
- Miami International Airport Miami Container Freight Station
- Miami International Airport Miami, Florida
- Emery Worldwide - Stage IV A - Phase 1 Dayton Hub Expansion

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- Dayton Airport Dayton, Ohio
- Pan Am Cargo Terminal Relocation Study Site Master Plan
- Hangar 14 Cargo Terminal Conversion Office Relocation
- JFK International Airport New York, N.Y.
- Milano-Malpensa International Airport Milan, Italy
- United Air Lines - Cargo Terminal O'Hare International Airport Chicago, Ill.
- Efficiency Systems - Japan Air Lines Cargo Terminal Revisions
- JFK International Airport New York, N.Y.
- Federal Express - MLD Center Logan International Airport Boston, Mass.
- Miami International Airport Cargo City 1 and Cargo City 2
- Federal Express - Boston BABO Facility Interior Office Design
- Cargo Terminal Conversion Logan International Airport Boston, Mass.
- Malaysian Airlines Systems - Cargo Terminal Design Kuala Lumpur, Malaysia
- SATS - Master Plan Cargo Development Feasibility Study
- Cargo Terminal Expansion Singapore
- Emery Worldwide - Stage III - Dayton Hub Expansion
- Dayton Airport Dayton, Ohio
- Emery Worldwide - Hub Terminal Debottlenecking Dayton Hub Terminal Dayton Airport Dayton, Ohio
- Northwest Airlines - Cargo Terminal Design Logan International Airport Boston, Mass.
- United Airlines - Airport Passenger, Freight, Mail Terminal Master Plan
- O'Hare International Airport Chicago, Ill.
- Air Express International Air Freight Terminal Architectural Design Development
- JFK International Airport New York, N.Y.
- Japan Airlines Cargo Terminal Renovation - Cargo Systems Expansions
- JFK International Airport New York, N.Y.
- Emery Worldwide - Hub Terminal Envelope Sortation Dayton International Airport Dayton, Ohio
- Emery Worldwide - Freight Terminal Design O'Hare International Airport Chicago, Ill.
- HACTL Cargo -Terminal 1A Expansion Hong Kong
- SAS - Cargo Terminal Design Arlanda, Sweden
- Emery Worldwide - Hub Terminal Design - Phase 1
- Airport Master Planning - Dayton Airport Dayton, Ohio
- British Airways Cargo Terminal Port Authority Documentation and Submittals
- JFK International Airport New York, N.Y.
- AEI - Freight Terminal Study Newark International Airport Newark, N.J.
- Emery Worldwide Air Freight Terminal Design JFK International Airport New York, N.Y.
- Eastern Airlines Air Freight Terminal Design Atlanta Hartsfield International Airport Atlanta, Georgia
- AEI - Air Freight Terminal Design O'Hare International Airport Chicago, Ill.
- AEI - Air Freight Terminal Design Frankfurt International Airport Frankfurt, West Germany
- Miami Airport Authority Cargo Terminal Area Master Plan
- Miami International Airport Miami, Florida

7.0 Airport Concessions Projects :

- International Shoppes – Terminal A West – Duty Free Shop C9A – Philadelphia International Airport – Entrance Lighting Design Project
- DFASS – Dallas Fort Worth Duty Free Program – Terminal D, Dallas / Fort Worth International Airport, Dallas / Fort Worth Texas
- RD&C – Stellar Partners – Terminal D – Dallas / Fort Worth International Airport
- Dufry – DKNY – Plasma Screen – Newark International Airport
- Dufry – T-1 4 Shop Renovation Project – Toy Store – NYC Store – American Clothier – Tumi – JFK International Airport
- Dufry – Newark Logo Sign Replacement – Newark International Airport
- International Shoppes – Terminal A West – Duty Free Shop C9A – Philadelphia International Airport
- South Winds Cargo – Cielos Airlines Bldg. 706 Demolition Project
- Miami International Airport
- Paradies – Portland ME – Synergy – News & Gifts Architectural and Engineering support services for the modification to the existing Paradies landside newsstand
- Dufry – JFK Terminal 1 – Stadium Shop Relocation Project
- Dufry – Signage Development Newark – Main and Satellite Shop
- Dufry America Newark Duty Free – Sensormatic / Security
- Weitnauer Newark – New Satellite Duty Free Terminal C, Concourse 1
- Brooklyn National Deli Inc. – Main Terminal LaGuardia International Airport Deli Expansion Project – Central Terminal Building Food Court
- DFASS – Saloon – Air Canada – Maple Leaf Lounge - Toronto
- International Shoppes Inc., Duty Free Shops C1E, L3B, C5B, Philadelphia International Airport Terminal A-West, PA, USA, Turnkey Architecture and Engineering
- Weitnauer Americas Inc. Main Duty Free Shop TC-C3, Newark International Airport, NJ, USA, Turnkey Architecture and Engineering
- Weitnauer Americas Inc., Kenneth Cole Shop TC-C3, Newark International Airport, NJ, USA, Construction Management, A&E Permitting
- World Duty Free, Americas, Inc. British Airways Duty Free Shop, British Airways Terminal JFK International Airport, NY, USA, Turnkey Architecture and Engineering
- World Duty Free, Americas, Inc. Chicago Midway WDFC Temporaries Terminal A, B, C Concourse's, Various News & Gifts Architecture and Engineering Midway Municipal Airport, Chicago, IL, Turnkey Architecture and Engineering
- World Duty Free, Americas, Inc. Boston Duty Free Shop Terminal E and Terminal C Concourse's Logan Int. Airport, East Boston, MA
- Three Chicago Duty Free Shop's, Various Terminal's & Concourse's O'Hare International Airport, Chicago, IL, Turnkey Architecture and Engineering
- Four Boston Duty Free Shop's, Various Terminal's & Concourse's Logan International Airport, East Boston, Ma., Turnkey Architecture and Engineering
- Paradies News and Gift Shop, Terminal B Logan International Airport, East Boston, MA, Project Engineering
- FHA - Crew Club Gift Shop O'Hare Hilton Hotel, O'Hare Int'l Airport
- Grove Sweet Shop - Terminal 5, O'Hare International Airport
- Grove Sweet Shops - Temporary Kiosk, American Airlines Terminal, JFK Int'l Airport, NY
- Grove Sweet Shops - Temporary Kiosk East & West Terminal, Buffalo Int'l Airport, NY
- Grove Sweet Shop Orlando Int'l Airport, Orlando, Florida
- FHA - Duty Free / News & Gifts, Bangor Int'l Airport, Bangor, Maine
- DFI - Athletes Foot Shop, Pittsburgh Int'l Airport, Pittsburgh, PA
- Grove Sweet Shops - Term. A, Bradley International Airport, Windsor Locks Ct.
- Grove Sweet Shops - Term. B, Bradley International Airport, Windsor Locks Ct.
- Grove Sweet Shops - US Air Terminal, LaGuardia Int'l Airport, NY

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- FHA - Duty Free / News & Gifts, Delta Terminal 1A, JFK Int'l Airport, NY
- DFI - Pittsburgh International Airport, Concession Master Planning
- DFI - Baltimore/Washington International Airport

8.0 Airport Master Plans & General Projects :

- STC – Department of Energy – Ultra High Capacitor Energy Transfer for Mass Transit Vehicle Drive and Power Systems
- STC – Skytrain Corporation – Monorail Vehicle Systems Design and Engineering.
- Executive Aircraft Hangar Project - Danbury Municipal Airport - Turnkey Architecture & Engineering, Danbury, CT, USA
- World Duty Free America's, Inc., Headquarters Corporate Offices
- MIA-CFS - Corporate Offices - Building 706, Miami International Airport Miami, FL.
- Albany County Municipal Airport Temporary Passenger Terminal Albany, NY
- Albany County Municipal Airport F.I.S. Building Relocation Albany, NY
- Norden Systems, Inc. Radar Tower Structural Engineering, Memphis International Airport Memphis, TN
- Norden Systems, Inc. Radar Tower Structural Engineering, Anchorage International Airport Anchorage, Alaska
- Norden Systems, Inc. Radar Tower Structural Engineering, Houston International Airport Houston, Texas
- MIA-CFS - Cargo Terminal Miami International Airport Miami, FL.
- Venice International Airport - Master Plan - 2010, Passenger Terminal Design Development Venice, Italy
- SEA Milan Milano-Malpensa International Airport, Milan, Italy
- British Airways - Passenger Terminal Master Plan, Terminal Renovation Competition, JFK International Airport New York, N.Y.
- Pan Am - Passenger Terminal Renovation and Code Analysis, JFK International Airport New York, N.Y.
- United Airlines - Airport Passenger, Freight, Mail, Terminal Master Plan O'Hare International Airport, Chicago, Ill.
- Air Express International, Interior Office Design Concept Development, Stamford, CT.
- Singapore Airlines Maintenance Terminal Design, Singapore International Airport Singapore
- SEA-TAC - Airport Master Planning, Seattle Tacoma International Airport Seattle, Wash.
- Miami Airport Authority, Cargo Terminal Area Master Plan Miami International Airport Miami, Florida

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9.0 Education

- New York Institute of Technology
Old Westbury, N.Y.
Bachelor of Architecture (5-year)
NAAB Accredited Degree
Magna Cum Laude
CPR - 3.65
Architectural Major
Computer Minor
Member Nu Upsilon Tau Honor Fraternity
Graduated – 1980 – Magna Cum Laude
- Norwalk State Technical College
Norwalk, Ct.
Associates Degree in Architectural
Engineering (2-year)
ABET Accredited Degree
CPR - 3.74
Member Tau Alpha Pi Honor Fraternity
Graduated – 1976 – Summa Cum Laude