

Wilkes-Barre/Scranton International Airport



Location: Avoca, Pennsylvania

Size: 127,000 Square Feet

Project Cost: \$30,000,000.00

Completion Date: December 31, 2005

Owner: Bi-County Board of Commissioners
(Luzern/Lackawanna Counties)

Contract Type: CM Agency

Architect: HNTB

Construction Manager: Turner Construction

Major National Codes – FAA, BOCA 96

PA Code Title 34 of 1998, 1990 ADA

Architecture:

- Splitface to polished surface transitional sand stone wall
- Meditation Room for nervous passengers
- Terrazzo Flooring
- Wood Ceilings
- Wood Clad cable Trusses
- Exposed Steel Beams



Structural:

- Spread footings With Steel Columns (W14s & W12s)
- Tube Steel Columns
- Heavy Duty Lintels To Support Sandstone Wall Overheads



Electrical:

- 2 1500KVA Transformers-
- 2 2000A 277/480V 3-Phase Busses-
- Fully Loaded 480V Diesel Generator-

Mechanical:

- 12 Roof Top Air Conditioners
- 9 Variable Air Volume Boxes with hotwater reheat coils
- 2 11130 Gallon Gas/Oil Boilers
- 2 Air Cooled condensers

Fire Protection:

- Wet Pipe System for interior
- Dry Pipe system for breezeways and commuter gates
- FM-200 Clean Agent Extinguishing System for the Building Computer Server

Conveyance:

- 3 One Story Escalators, 3 Two Story Escalators-
- 3 Elevators, 1 Freight Elevator-
- 2 Baggage Claim Belts, 1 Baggage Check Belt-



Adam Weis - Construction Management

CPEP Senior Thesis Website - <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/agw118/>