

COLLEGE OF BUSINESS ADMINISTRATION

MICHAEL A. TROXELL
STRUCTURAL

NORTHERN ARIZONA UNIVERSITY
FLAGSTAFF, AZ

PROJECT TEAM:

OWNER: NORTHERN ARIZONA
UNIVERSITY

ARCHITECT: CARTER-BURGESS

STRUCTURAL ENGINEER: C.T.S.

GENERAL CONTRACTOR: RYAN COMPANIES

MEP ENGINEERS: ARUP



PROJECT OVERVIEW:

- 4 STORY CLASSROOM BUILDING
- 110,000 SQ. FT.
- 2000 EDITION OF INTERNATIONAL BUILDING CODE
- CONSTRUCTION: JULY 2004-JANUARY 2006
- PROJECT COST: \$24 MILLION

STRUCTURAL:

- SUPERSTRUCTURE:: PRECAST CONCRETE BEAMS, GIRDERS, COLUMNS
- STRUCTURAL STEEL ROOF
- FLOOR: HOLLOW CORE PRECAST CONCRETE PLANKS
- LATERAL SYSTEM: COMBINATION OF BRACED FRAMES, MOMENT FRAMES, AND SHEAR WALLS

MECHANICAL:

NATURAL VENTILATION – COOL DESERT NIGHT AIR DRAWN IN AND CIRCULATED OVER CONCRETE SLAB. DURING DAY, SLABS COOL THE AIR AROUND THEM.



ARCHITECTURAL:

- SIGNATURE BUILDING FOR CAMPUS
- HOME OF COLLEGE OF BUSINESS ADMINISTRATION
- 200 SEAT AUDITORIUM
- CAFÉ WITH OUTDOOR TERRACE
- COMPUTER LABS
- LEED CERTIFICATION