

A. WILLIAM "BILL" LINGNELL

SUMMARY

Mr. Lingnell has over 55 years of experience in the technical field of glass and architectural products and is considered one of the world's foremost experts in the field. Bill has been involved in the engineering, technical management, and construction of major building projects throughout the United States, Canada, and other countries. He has acted as technical authority and specialist for general contractors, manufacturers, fabricators, owners, developers, architects, and individuals relating to the many facets of glass and wall systems used on architectural construction projects. Mr. Lingnell has is well versed in matters requiring specialization in glass and wall system technology.

EDUCATION

Doctorate credits in Engineering Mechanics – University of Toledo

Master of Science in Civil, Mechanical and Engineering Science - University of Toledo

Bachelor of Science in Civil Engineering - Ohio University

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer:

- Arizona #23034
- North Carolina #015195
- Ohio #PE.33975
- Pennsylvania #PE038222R
- Texas #63142
- Virginia #0402055015

PROFESSIONAL ASSOCIATIONS

American Architectural Manufacturers Association

American Association for Wind Engineering

American College of Forensic Engineers

American Society of Civil Engineers

American Society of Heating Refrigerating and Air-Conditioning Engineers

American Society for Testing and Materials

Association of Construction Inspectors

Construction Specifications Institute

Council on Tall Buildings and Urban Habitat

International Code Council

National Fenestration Rating Council

National Fire Protection Association

National Glass Association

National Society of Professional Engineers

Fenestration and Glazing Manufacturers Alliance (formerly Insulating Glass Manufacturers Alliance); Technical Consultant

CAREER HISTORY

FORCON International - Civil/Mechanical Engineer

Conduct forensic engineering investigations and provide expert witness testimony for cases involving glass and wall systems used in architectural construction projects.

FORCON INTERNATIONAL

Lingnell Consulting Services – President

Providing consulting services to engineers, testing agencies, insurance companies, building managers, window producers, curtain wall consultants and the legal profession as it relates to the technical field of glass and architectural products.

Indal Wall Systems - Vice President

Olden and Co. - Vice President

Libbey Owens Ford Company - Structural Engineer, Senior Engineer, Manager Technical Services, Director Technical Services and New Products

In each company responsibilities included strategic business planning and development of new business opportunities. Other responsibilities included development, research, engineering and manufacturing direction for a variety of architectural products, as well as quality assurance and quality improvement programs.

PUBLICATIONS

As a member of various professional groups, code bodies, trade organizations and industry associations, Bill has contributed in the writing of standards pertaining to the use and testing of glass, wall systems, sealants and wall components through ASTM committees E-6, F-12, C-14, and C-24. He also serves as convener to the ISO standards working group TC160/SC1/WG4 Standard for Insulating Glass.

ACADEMIC

Adjunct Professor in the Engineering College at the University of Toledo.