

**A. WILLIAM LINGNELL**

**EDUCATION**

Ohio University - B. S. degree in Civil Engineering  
University of Toledo, (3) M.S. (civil, mechanical and engineering sciences)  
He has completed all course work requirements for a doctorate in engineering mechanics.

**SUMMARY**

Nearly thirty-five (35) years of experience in glass and architectural products. Mr. Lingnell has been involved in engineering, technical management and construction of major building projects throughout the United States, Canada and other countries. He has consulted as a 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. As a consultant, he has also served engineers, testing agencies, insurance companies, building managers, window producers, curtainwall consultants and the legal profession on many projects where specialization in glass and wall system technology was required.

**REGISTRATIONS**

Registered professional engineer in Ohio and has held the appointment of Adjunct Professor in the Engineering College at the University of Toledo.

**MEMBERSHIPS**

American Architectural Manufacturers Association (AAMA)  
American Association for Wind Engineering (AAWE)  
American Society of Civil Engineers (ASCE)  
American Society of Heating Refrigerating and Air-Conditioning Engineers, (ASHRAE)  
American Society for Testing and Materials (ASTM) American Welding Society (AWS)  
Association of Construction Inspectors (ACI)  
Building Officials and Code Administrators (BOCA)  
Construction Specifications Institute (CSI)  
International Conference of Building Officials (ICBO)  
National Fenestration Rating Council (NFRC)  
National Fire Protection Association (NFPA)  
National Glass Association (NGA)  
National Society of Professional Engineers (NSPE)  
Southern Building Code Congress International (SBCCI)

As a member of various professional groups, code bodies, trade organizations and industry associations, 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 and C-24. He has worked on publications for the AAMA curtainwall series relating to design of glass and wall systems, the American Ceramic Society on energy use of architectural glass products and served as a lecturer at various universities and glass/metal organizations. Served as a consultant to Texas Tech University for their Glass Research and Testing Laboratory. Participates as a technical reviewer of ASCE papers and offers information to technical trade associations and professional societies involving engineering, design and proper use of glass and wall systems. Serves as the technical consultant to SIGMA (Sealed Insulating Glass Manufacturers Association).

### **CAREER HISTORY**

**Forcon International** - Glass & Wall System Consultant

**Indal Wall Systems** - Vice President of Engineering and Technical Services

**Olden and Company** - Corporate Vice President

**Libbey Owens Ford Company** - Director of New Products and Technical Services.

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.