



Design and Architectural Services

## **BRICK VENEER WITH METAL STUD BACKUP**

PROVIDED BY GLEN-GERY CORPORATION

Throughout the relatively short history of metal stud backup for brick veneer, there has been much research along with subsequent reports, papers, materials and ideas put forth by material manufacturers, trade associations and 'consultants' touting the advantages and disadvantages of the system. Much of the information is confusing, and even conflicts with information from other sources. This presentation is designed to address just such information, so that educated decisions may be made on when and how the system should be used. Discussion focuses on the advantages and limitations of the wall as a system. Glen-Gery is not promoting this system over any other wall type, nor do we claim to have all the answers. We do, however, feel it is our responsibility to inform all interested parties, who may be involved in the design or use of the system, of potential problems and solutions.

Discussion will focus on the various inherent concerns which have risen from field investigations including: corrosion protection, deflection criteria, proper installation, and the use of the wall system as a variation of the drainage wall that has been used historically.

Other topics included in this presentation are --

### **Wall Ties**

Are there advantages of one type over another and how often should they be spaced?

### **Specifications**

How galvanized coatings are properly specified.

### **Wall Thickness**

What width airspace is recommended and why. How does rigid insulation affect the airspace?

### **Deflection**

What are the recommended deflection requirements for brick veneer?

### **Condensation**

Where does dew point occur in the brick veneer/stud wall, and how does it affect performance?