



Design and Architectural Services

## **EXTERIOR PAVING WITH CLAY MASONRY**

PROVIDED BY GLEN-GERY CORPORATION

Many types of materials have been used over the centuries to provide level surfaces on which man can walk and ride. Of these materials, brick has proven to be the most aesthetically pleasing and durable, while also allowing for unique design of pattern and form. There is such an abundance of systems available for use in brick paving that designing a durable system is often confusing. This seminar is designed to reduce the volume of materials and assemblies to a manageable number. The presentation discusses proven systems which perform successfully in most applications, including mortared (rigid) assemblies as well as un-mortared (flexible) assemblies. Proper detailing and installation of each of the common elements in a masonry paving (sub-grade, base, setting bed, and wearing surface) are discussed in detail. Discussion will include: correct specification of materials, required thickness of base, bed and brick, available edge systems, and proper spacing of expansion joints as well as the effects of bond pattern, existing drainage techniques and effects of expected traffic.

Other topics included in this presentation are --

### **Bond Pattern**

What effects, other than aesthetic, does bond pattern have on a paving system?

### **Drainage Techniques**

Surface and subsurface drainage requirements.

### **Mortared versus Un-mortared Applications**

What are the advantages and limitations of each?

### **Traffic**

How does expected traffic both pedestrian and vehicular affect brickwork?

### **Expansion Joints**

Materials, compressibility, and sizing requirements.

### **Durability**

How does the compressive strength of a paver really affect durability?

### **ASTM**

Heavy vehicular paving requirements (C1272) vs. light traffic requirements (C902).