BRICK CONSTRUCTION DETAILS
2-Hour Fire Rated Brick Veneer Wall Assembly

Typical brick veneer wall assemblies have fire ratings of up to 2 hours. The figure above shows a typical brick veneer wall assembly with a 2-hour fire rating.
**TYPICAL BRICK MASONRY MORTAR JOINTS**

- **CONCAVE**: Severe Weathering
- **V**: Severe Weathering
- **GRAPEVINE**: Severe Weathering
- **WEATHERED**: Moderate Weathering
- **BEADED**: Moderate Weathering
- **STRUCK**: Moderate Weathering
- **FLUSH**: Negligible Weathering
- **RAKED**: Negligible Weathering
- **EXTRUDED**: Negligible Weathering

*Note: Endicott Clay Products does not recommend Struck, Flush, Raked or Extruded mortar joints.*

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**EMPIRICAL HEIGHT LIMITATIONS FOR BRICK VENEER**

<table>
<thead>
<tr>
<th>Nominal Thickness of the Brick Veneer, in (mm)</th>
<th>Stories</th>
<th>Height at Plate, ft (m)</th>
<th>Height at Gable, ft (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 (75)</td>
<td>2</td>
<td>20 (6.10)</td>
<td>28 (8.53)</td>
</tr>
<tr>
<td>4 (100)</td>
<td>3</td>
<td>30 (9.14)</td>
<td>38 (11.58)</td>
</tr>
</tbody>
</table>

**Typical Ties for Brick Veneer**

- **A**: Used to attach brick veneer to wood frame backup
- **B**: Used to attach brick veneer to metal studs
- **C**: Same as (b)
- **D**: Used to attach brick veneer to structural steel
- **E**: Used to attach brick veneer to concrete backup
- **F**: Same as (e)
- **G**: Used to attach brick veneer to masonry backup
- **H**: Same as (g)

**Endicott Recommended Weathering Indexes in the United States**

**WEATHERING REGIONS**

- Severe Weathering
- Moderate Weathering
- Negligible Weathering
Endicott has been building one success story after another all across the U.S.

The unique clays found only in Jefferson County, Nebraska, make it possible for Endicott to produce a wide variety of face brick, pavers, tile, thin brick and special shapes that are nationally recognized for their quality and aesthetic beauty.

Endicott products are distributed throughout the United States. For literature, samples and the name of your nearest distributor, contact Endicott today.