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 Foundation Details**
- Building Paper
- Brick Veneer
- Anchoring Devices
- Corrugated Metal Tie
- Insulation
- Wallboard
- Anchor Bolt

**Chimney Cap Detail**
- Full Liner
- Flange Liner
- Bond Break
- Flashing
- Cast-in-Place
- Prefabricated

**Typical Section and Flashing Detail**
- Scalant
- Compressible Material
- Reinforcement
- Counter Flashing
- Base Flashing

**Typical Lintel, Jamb and Sill Details**
- Brick Veneer
- Corrugated Metal Tie
- Insulation
- Wallboard
- Flashing

**Typical Eave Details**
- Roofing
- Building Paper
- Insulation
- Wallboard
- Flashing
- Caulking or Sealant
BRICK VENEER WALL

- 1" Air Space
- 8d Nail
- 22-Gauge Galvanized Corrugated Metal Tie
  - Every Stud Horizontally
  - Every 24" Vertically
- Brick Veneer
- Open Headjoint Weepholes
  - 24" Centers
- Wick Weepholes
  - 16" Centers
- 1/2" Cement Parging
- Bituminous Water Proofing
- Wall Base Flashing
- Project Flashing 1/2"
- Wood Studs @ 16" Centers Horizontally
- Gypsum Board
- Sheathing
- Insulation
- Weather Resistant Membrane (15# Building Felt)
- Sub Floor
- Sole Plate
- Floor Joist
- Header
- Sill Plate
- Anchor Bolt
- Full Collar Joint
- Foundation Wall
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)

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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.