Nothing tops the strength, stability and timelessness of brick construction. And no one tops Endicott for brick manufacturing. Mineral-rich clays help create the beautiful aesthetics that go into every brick, and a variety of colors make a bold statement while meeting design intent. Designed for year-round commercial, residential and remodeling applications, Endicott brick is the choice for stunning, strong projects.
**BRICK VENEER WALL**

- **Air Space**: 1” (25mm)
- **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 Waterproofing**
- **Wall Base Flashing**: Project Flashing 12”
- **22-Gauge Galvanized Corrugated Metal Tie**
- **8d Nail**
- **Air Space**: 1” (25mm) or 8” Min. Rise 4” Min. Lap
- **Gypsum Board**
- **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**

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**CHIMNEY CAP DETAILS**

- **2” Air Space Recommended; 1” Min. Req’d for Drainage Walls**
- **Brick Veneer**
- **Weep Vents at 2nd Course for Air Circulation Recommended**
- **Additional Weep Vent Inserts Recommended**
- **Weeps Integral to Drainage Flashing System**
- **Concrete Masonry Backup**
- **Drainage Flashing System**
- **GROUT & REINFORCEMENT AS REQUIRED**
- **Air/Moisture/Vapor Barrier AS REQUIRED**
- **Horizontal Joint Reinforcement W/ Eye & Pintle Wall Ties @ 16” O. C.”
TYPICAL FOUNDATION DETAILS
ANCHOR BOLT
FINISHED GRADE
BRICK VENEER
FLASHING
CORRUGATED METAL TIE
WEEPHOLES @ 24" (600mm) O.C.
AIR SPACE 1" (25mm)
FULL COLLAR JOINT
8d NAIL
WALLBOARD
ANCHOR BOLT
CORBELED BRICK
INSULATION
SHEATHING
BUILDING PAPER
AIR SPACE 1" (25mm)
FLASHING
WEEPHOLES @ 24" (600mm) O.C.
BRICK VENEER
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2" (50mm)
CONCRETE
GRADE BEAM
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WALLBOARD
FINISHED GRADE
FLASHING
WEEPHOLES @ 24" (600mm) O.C.
FIRE RESISTANCE

THICK BRICK VENEER
NOMINAL 4" (100mm)
GALVANIZED ROOFING NAIL
1-3/4" (45mm)
8d NAIL
20 GAUGE GALVANIZED
CORRUGATED METAL TIE
EVERY 6TH COURSE
AIR SPACE
1" (25mm)
8d NAIL
8" (200mm) O.C.
6d NAIL
8" (200mm) O.C.
GYPSUM WALLBOARD
5/8" (16mm)
GYPSUM WALLBOARD
5/8" (16mm)
WOOD STUD
2" x 4" (50mm X 100mm)

CHIMNEY CAP DETAILS

FLUE LINER
SEALANT
FLASHING
MINIMUM
AIR SPACE
1" (25mm)
MINIMUM
2" (50mm)
BOND BREAK
MINIMUM
OVERHANG
2-1/2" (65mm)
TYPICAL LINTEL DETAILS

- Brick Veneer
- Flashing
- Reinforcement
- Weepholes 24" (600mm) O.C.
- Caulking or Sealant
- Insulation
- Steel Angle Lintel
- Caulking or Sealant
- Wood Head
- Sheathing
- Wallboard
TYPICAL JAMB DETAILS

CORRUGATED METAL TIE
BUILDING PAPER
AIR SPACE 1" (25mm)
CAULKING OR SEALANT
WOOD STUD
8d NAIL
SHEATHING
WALLBOARD

WALLBOARD
SHEATHING
METAL WIRE TIE
AIR SPACE 1" (25mm)
CAULKING OR SEALANT
METAL CASEMENT WINDOW
SELF-TAPPING CORROSION-RESISTANT METAL SCREW
METAL STUDS
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.
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 backdrop
- **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)

WEATHERING REGIONS

Endicott recommended weathering indexes in the United States

- Severe Weathering
- Moderate Weathering
- Negligible Weathering
In 1920, rich mineral deposits were discovered in Jefferson County, Nebraska. These rich minerals help give Endicott brick their unmatched color and sheen. Across North America, Endicott's collection of face brick, pavers, tile, thin brick and special shapes are setting the solid world in motion.

For other literature, samples and the name of your nearest distributor, contact Endicott today.