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Innovation is our job!

WIRE-BOND® is the largest manufacturer of truss and ladder wire joint reinforcement in the world. We’ve been setting industry standards for manufacturing, products, and service for nearly 35 years. Our manufacturing facilities have the capacity to produce more than two million feet of wire products per day. We offer the complete line of masonry joint reinforcement products and accessories. We ship throughout the United States, Canada, Mexico, and overseas.

Our goal today, as always, is to develop innovative products for the masonry industry that are durable, save time and money, and are easy to handle and install. WIRE-BOND® is head-quartered in Charlotte, North Carolina with a second plant in Memphis, Tennessee. Both are centrally located to serve the entire country.

Product Line

We produce continuous systems of masonry wall reinforcing including truss and ladder designs. Variations are available to these standard designs to meet specific wall conditions and are illustrated in this catalog.

Our in-house hot dip and strand galvanizing facilities offer total product control, ensure optimum quality, and quick turnaround on orders.

WIRE-BOND®’s Recommendation

Interior Walls

Interior walls, which are non-load bearing, should utilize standard weight reinforcing with a mill galvanized finish.

Exterior Walls

Exterior load bearing walls need a three or four-wire system with two longitudinal wires in the block and one or two longitudinal wires in the brick as conditions dictate. We recommend hot dip galvanized after fabrication, (ASTM A153 / A153M-B2) where complete protection from corrosion is required. Uneven coursing, or conditions where block is laid first and brick later, should use the level adjustable tab or level hook-and-eye system. An additional advantage to adjustable reinforcing is to provide a mechanical tie to restrain insulation in a partially filled masonry cavity wall.

Special Material

Our manufacturing capabilities allow us to make a wide variety of products, some of which are not shown in our catalog. Please contact us for specific advice and availability of any item you may require for masonry walls.
### ASTM A 82 / A82M Wire Requirements (for cold drawn steel wire)
QQ-W-461 f Finish 1 Wire Requirements (for hard tempered wire)

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Heavy Duty</th>
<th>Extra Heavy Duty</th>
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</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>80,000 PSI</td>
<td>70,000 PSI minimum</td>
<td>30%</td>
</tr>
<tr>
<td>Yield Point</td>
<td>70,000 PSI</td>
<td>70,000 PSI minimum</td>
<td>30%</td>
</tr>
<tr>
<td>Reduction of Area</td>
<td>30%</td>
<td>30%</td>
<td>30%</td>
</tr>
</tbody>
</table>

### Wire Gauges

<table>
<thead>
<tr>
<th>Wire Gauges</th>
<th>Side Rods</th>
<th>Cross Rods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>9 Gauge ( .148 in )</td>
<td>9 Gauge</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>3/16” (.187 in )</td>
<td>9 Gauge</td>
</tr>
<tr>
<td>Extra Heavy Duty</td>
<td>3/16” (.187 in )</td>
<td>3/16”</td>
</tr>
</tbody>
</table>

### Finishes

<table>
<thead>
<tr>
<th>Description</th>
<th>Plain</th>
<th>Mill Galvanized</th>
<th>Hot Dipped Galvanized After Fabrication</th>
<th>Stainless Steel</th>
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<tbody>
<tr>
<td>Uncoated</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Zinc Coated ( 0.10 oz per sq ft )</td>
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<tr>
<td>Zinc Coated ASTM A153 / A153M-B2 (1.50 oz per sq ft)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTM A580 / ASTM A580M Type 304</td>
<td></td>
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</tbody>
</table>

All wire conforms to ASTM A951 / A951M-06. This specification covers the manufacturing guidelines and minimum weld strength required for masonry joint reinforcement.

TMS 402/ACI 530 Code recommends mill galvanized ASTM A641 (0.1 oz/ft²) for joint reinforcement in interior walls. For cavity and exterior walls hot dipped galvanized ASTM A153 / A153M-B2 (1.50 oz per sq ft) (485 g/m²) is recommended for joint reinforcement, wire ties, and anchors. Hot dipped or Stainless Steel is also recommended for walls exposed to a mean relative humidity exceeding 75%.

Class I ASTM A641 (0.4 oz/ft²) and Class III (0.8 oz/ft²) are no longer recommended by TMS 402/ACI 530 for interior walls.

Epoxy coating is not recommended as a protective coating for joint reinforcement, anchors and ties. Manufacturer recommends Stainless Steel Type 304 for maximum corrosion protection.

**WIRE-BOND®’s products are manufactured in compliance with the following building codes:**

- **SBCC** - Southern Building Code Congress
- **BOCA** - Building Officials Congress in America
- **ICBO** - International Congress of Building Officials
- **CSA A370-94** - Connectors for Masonry
- **TMS 402/ACI 530/ASCE 5 Code** - Building Code Requirements for Masonry Structures

Visit wirebond.com to see our complete catalog of masonry joint reinforcement products and accessories.
**Ladder Type Series 200**

Ladder design is a prefabricated reinforcement for embedment in the horizontal mortar joints of masonry. It is manufactured in 10’ 8” lengths from wire conforming to ASTM A 82 / A82M for cold drawn steel wire. It consists of two or more parallel and deformed longitudinal wires welded to a perpendicular cross wire spaced 16” O.C. Out-to-out spacing is approximately two inches less than the nominal thickness of the wall.

Ladder design spaced 16” O.C. positions cross rods on web of block to allow core clearance. This simplifies rebar installation; centering utilizes strength of grout. Allows unrestricted flow of grout or loose fill insulation into CMU cells. Minimizes resetting of joint reinforcement around rebar. Improves resistance to shrinkage cracking. Provides stronger bond with cross rods in web of block. Less time devoted to rebar installation and grout pouring.

**2 Wire System (Series 200)**

**3 Wire System (Series 200)**

**4 Wire System (Series 200)**

**LADDER CORNERS AND TEES**

Corners and tees are available for any joint reinforcement product that we manufacture. 30” lengths are standard. Any size and finish can be made to order for cavity or composite walls. Specify inside or outside corners for cavity or composite walls.
Level Hook-&-Eye/Level Adjustable Tab Ladder
(U.S Pat. #6,735,915) (U.S. Pat.#7,152,382B2)

- Ladder Level design is manufactured with double eyes butt welded 16” O.C. to the longitudinal wires ensuring that the height of the reinforcing will not exceed half the dimension of the joint (3/8” joint = 3/16” max reinforcement).
- Level Eye Ladder and Level Adjustable Tab design provide optimum CMU core clearance.
- Level Eye double eyelets are welded 16” on center.
- “Lollipop” design of eyelets provides for less than 1/16” tolerance and meets the TMS 402/ACI 530 Code.
- Level Eye ensures continuous 16” O.C. spacing. When installed vertically at 16” O.C. horizontal spacing ensures code compliance requiring one 3/16” pintle every 1.77 feet of wall area.
- Tabs are welded 16” O.C. Tabs and wall ties are designed to meet the TMS 402/ACI 530 Code. Tabs and wall ties are 3/16” diameter wire and are produced on our high-speed, multi-slide wire forming machines.
- Dual tangent points of the eyelets are made by a slight indentation in the “U”. Dual tangent points of the tab are made by bending the ends of each wire point. The points in both systems achieve a deep weld into the side wires on the reinforcement for maximum strength and durability.

Functions Of Joint Reinforcing
- Strengthens mortar joint which helps to control shrinkage cracking.
- Bonds masonry wythes together in composite and cavity walls.
- Allows loads to be transferred from the brick veneer to the stronger block back up in cavity walls.
- Bonds intersecting walls.
- Increases elasticity.
- Increases flexural strength.

Installation
- Lay reinforcing on wall in advance of the mortar.
- Position side rods allowing a minimum of 5/8” of mortar coverage between the reinforcement and the exterior face.
- When using Ladder Type always keep the cross rods in the web of the block to simplify rebar installation.
- Apply mortar to bed joint. Since wire is round and not flat, mortar will surround the reinforcing and no lifting is needed.
- Apply at vertical intervals of not more than 16”.
- Reinforcing should be lapped 6” to meet code requirements.
**Truss Type Series 300**

Truss design is a prefabricated reinforcement for embedment in the horizontal mortar joints of masonry. Manufactured in 10 foot lengths from wire conforming to ASTM A 82 / A82M for cold drawn steel wire. It consists of two or more parallel and deformed longitudinal wires welded to a continuous diagonal cross wire at 16” O.C. Out-to-out spacing is approximately two inches less than the nominal thickness of the wall.

* We recommend utilizing the extra strength of truss when installing reinforcement in single wythe walls, where the application of grout and rebar is at a minimum.
* Standard Weight (9ga x 9ga).
* Heavy (3/16” Side Rods x 9ga Cross Rods).
* Extra Heavy (3/16” Side Rods x 3/16” Cross Rods).
* Finishes: mill galvanized, hot dipped and stainless steel

---

**2 Wire System (Series 300)**

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**4 Wire System (Series 300)**

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**TRUSS CORNERS AND TEES**

Corners and tees are available for any joint reinforcement product that we manufacture. 30” lengths are standard. Any size and finish can be made to order for cavity or composite walls. Specify inside or outside corners for cavity or composite walls.
Truss Type with Ties (Series 500/700/900)

All masonry walls, composite and cavity, shall be reinforced and tied with WIRE-BOND® Truss tab (options: adjustable tab, hook-and-eye) as manufactured by WIRE-BOND®. Truss design consists of two or more parallel and deformed longitudinal wires welded not more than 16” o.c. to a 9 gauge cross wire (option for 3/16” cross wire if so specified). All tabs and wall ties are made of 3/16” diameter wire.

Level Eye Truss® is manufactured with double eyes welded 16” O.C. Out-to-out spacing of longitudinal wires shall be approximately 2” less than the nominal thickness of the block. Eye lengths are designed to span just beyond block for varying widths of insulation. All hooks and eyes are made of 3/16” diameter wire.

Level Hook & Eye/Level Adjustable Tab Truss
(U.S Pat. #6,735,915) (U.S. Pat.#7,152,382B2)

• Truss Level design is manufactured with double eyes butt welded 16” O.C. to the longitudinal wires ensuring that the height of the reinforcing will not exceed 3/16”.

• Compatible with the WireBond® Clip System for use in seismic zones.

• Level Eye double eyelets are welded 16” on center. “Lollipop” design of eyelets provides for less than 1/16” tolerance and meets the TMS 402/ACI530 Code.

• Level Eye ensures continuous 16” O.C. spacing. When installed vertically at 16” O.C. horizontal spacing ensures code compliance requiring one 3/16” pintle every 1.77 feet of wall area.

• Tabs are welded 16” O.C. Tabs and wall ties are designed to meet the TMS 402/ACI530 Code. Tabs and wall ties are 3/16” diameter wire and are produced on our high-speed, multi-slide wire forming machines.

• Dual tangent points of the eyelets are made by a slight indentation in the “U”. Dual tangent points of the tab are made by bending the ends of each wire point. The points in both systems achieve a deep weld into the side wires on the reinforcement for maximum strength and durability.
NO DISENGAGEMENT SYSTEM

* Tab Lock design will not disengage meeting ACI 530 Code Requirements.
* Adjustable ties have higher ultimate load values at maximum misalignment of 1-1/4”.
* Tab Lock system allows loads to be directly transferred from veneer to stronger back-up wall.
* Locking ties wedge insulation against block back-up.
* Tab with Lock Bar will not clog with mortar as construction progresses.
* Loop Hooks meet tolerance of 1/16” between adjustable parts.

**Cross Rods welded 16” O.C.**

* Tab is butt welded to side rod 16” O.C.
* Height of tab will not exceed 3/16” in bed joint.
* Easier to maintain 3/8” mortar joint.

* Standard Weight (9ga x 9ga).
* Heavy (3/16” Side Rods x 9ga Cross Rods).
* Extra Heavy (3/16” Side Rods x 3/16” Cross Rods).

Proudly Made in the U.S.A
Compatible with the WIRE-BOND® Clip System

Patent No. US 8,418,422 B2

• Looped Hooks meet tolerance of 1/16” between adjustable parts.

• Tab Lock design will not disengage meeting TMS 402/ACI 530 Code Requirements.

• Locking ties wedge insulation against block back-up.

When you buy WIRE-BOND® masonry reinforcement products and accessories you can be sure you’re buying products made in the U. S. A. – products that don’t contribute to the pollution of the environment.

As a member of the U. S. Green Building Council, WIRE-BOND® adheres to the LEED® (Leadership in Energy and Environmental Design Green Building Rating System™) for developing high performance sustainable buildings.
SureTie® Anchoring System

SureTie quickly and accurately pierces insulation and/or wallboard to penetrate steel studs in brick veneer applications.

- One-piece design provides superior strength.
- 12-24 self driller (#4520).
- 1-3/4” Tapcon thread (#4530).
- Accommodates 1/2” and 5/8” wallboard and various thicknesses of insulation.
- Silver-gray Climaseal® finish (#4520) and Blue Climaseal® finish (#4530) resulted in 0% red rust at 1000 hours exposure to ASTM B-117 salt spray testing.

SureTie (#4520) allows positive contact with steel stud backup. Compression and tension loads in the veneer are transferred to the steel stud backup.

Tapcon® SureTie (#4530) allows positive contact with concrete or wood. Compression and tension loads in the veneer are transferred to the backup.

High strength barrel and slotted head fabricated from carbon steel. Manufactured and tested in conformance with SAE J78 (self-drilling and self-tapping screws).

SureTie holds insulation in place, permitting contractors to install 4’ x 8’ sheets with ease, saving time and money.

The adjustable SureTie triangle (#4510) allows a maximum of 1-1/4” vertical movement both up and down. Design permits no disengagement. Maximum clearance between connecting parts of the tie is 1/16”

Standard length of triangle ranges from 3” to 9” in length.
RJ-711 Adjustable Veneer Anchor

* Two holes above the legs saves time while installing in insulation applications. Plate is available in either 14 gauge or 12 gauge; adjustable hook is made of 3/16” diameter wire. Available in mill galvanized, hot dip galvanized and stainless steel. Hook lengths are 3-1/4”, 4-1/4”, and 5-1/4”. Hook adjustments are maximum of 1-1/4” up or down. Also available for walls with 1”, 1-1/2”, 2”, 2-1/2”, 3”, 3-1/2” and 4” insulation. Test data provided upon request.

The WIRE-BOND® RJ-711 with 3/16” adjustable tie meets the Brick Industry of America’s requirement of a maximum deflection of less than .05 inches (1.2mm) when tested at an axial load of 100 pounds in tension and compression. Extensive test results available upon request.

Veneer can be reinforced with optional Wire-Bond welded seismic clip and 9gauge or 3/16” diameter continuous wire.
HCL-711 Anchoring System

- HCL-711 Anchoring system installs quickly and easily on exterior walls with brick veneer while providing positive contact with metal stud and avoiding damage to wallboard.
- The HCL-711 System moves the dew point from within the stud to near the outer face of the rigid insulation, reducing potential corrosion at the screw locations.
- Especially useful in high wind environments and seismic areas D,E and F where wallboard is installed between the steel stud and insulation.
- Simplified installation procedure saves on labor costs.
- Compatible with the WIRE-BOND® Clip System used in seismic zones.

**PRONGS:**

- Three pointed prongs which pierce wallboard and abut to the steel stud.
- Triangular pattern of the 14 gauge prongs allows little or no compressible movement where the wallboard may deteriorate.
- Prongs extend through 5/8” wallboard.

**SQUARE GRID:**

With the metal studs spaced at 16” intervals, the system provides a 16” squared grid. This is accomplished with two easy steps:

1. First, 8-foot-wide insulation is installed as a guide from the footer of the wall. The 16” height of the insulation indicates where the next horizontal line of HCL-711s will attach at the vertical line of wallboard fasteners.
2. The insulation is then inlaid snugly between the legs of the uniform horizontal lines of HCL-711s.

**DESCRIPTION AND SIZES:**

- “LEGS” to accommodate 0, 1”, 1-1/2”, 2”, 2-1/2”, 3”, 3-1/2” and 4” thicknesses insulation.
- The “legs” of the HCL-711s provide the platform for the insulation. This eliminates potential insulation damage and improves thermal performance. R value is maintained.
- The installer does not have to penetrate varying amounts of insulation while guessing for direct contact with the stud.
- The pintles serve to secure the insulation to the exterior wallboard. The simplified installation procedure saves on labor costs.

**GAUGES AND FINISHES:**

- 2411 plate is 14ga or 12ga.
- 2402 hook is 3/16” diameter.
- Available in hot dip galvanized and stainless steel.
Type III Anchor

Individual anchors screw-on to metal studs. Available in 14 and 12 gauge by 1-1/4” wide and 6” long. Finishes: mill galvanized, hot dip galvanized and stainless steel. The WIRE-BOND® Type III anchor 12 gauge, 3/16” adjustable tie, meets the Brick Industry of America’s requirement of a maximum deflection of less than .05 inches (1.2mm) when tested at an axial load of 100 pounds in tension and compression. Extensive test results available upon request.

Anchorseal

A 40 mil thick dual barrier membrane 3” wide, consisting of 32 mils of pliable highly adhesive rubberized asphalt, completely and integrally bonded to an 8 mil high density cross-laminated polyethylene film. Anchorseal is used in conjunction with RJ-711, HCL-711, Type III, and Type III-X Anchors.

Triangular Ties ( Rectangular Ties also available )

Constructed of steel wire meeting ASTM A82 / A82M. Available in 3/16” or 1/4” diameter. Finishes: mill galvanized, hot dip galvanized and stainless steel. Standard sizes range from 3” to 9” in length.

Brick Industry of America and TMS 420/ACI 530 do not recommend ties with formed drips. Tests have shown that drips can reduce the ultimate buckling load by approximately 50%.

DIMENSIONS: 5/16” X 1-1/2” X 1-3/4”
2407 Adjustable Veneer Anchoring System

The 2407 System is a wire tie, plate combination system which provides adjustability, minimal free-play, strength, stiffness, positive connection, corrosion-resistance. Test results are available upon request.

The system provides for in-plane differential movement and can be installed on metal stud, wood stud, masonry, steel or concrete backup with or without insulation. The anchor plate has been designed for mounting on the surface of sheathing or stud, and accommodates insulation board with minimal or no puncture.

**2407R**
Available in 12, 14 and 16 gauge (plate). 2” wide and will accommodate all sizes of insulation. Finishes include hot dip galvanized, and stainless steel.

**Type III-X Anchor**
WIRE-BOND®’s Type III-X Anchor installs quickly and easily on exterior walls with brick veneer while providing positive contact with metal studs. It transfers compression loads to the steel stud backup. Available in 14 gauge and 12 gauge (plate). 1-1/4” wide x 6” long. Finishes include mill galvanized, hot dip galvanized, and stainless steel.

Prongs on the anchor are available in lengths to accommodate up to 4” of insulation as well as 1/2” and 5/8” wallboard.
**Fire-Proofing Anchor**

Permits spray-on of fire-proofing foam. Available in 1/4” diameter. Mill galvanized and hot dip finish available. Offset varies depending on thickness of fire-proofing.

**Type I and II Anchors**

Individual or continuous ties weld-on to steel column or screw on to steel. Type I available in 1/4” wire. Type II available in 12 gauge (plate). Finishes: mill galvanized, hot dip galvanized, stainless steel.

*Note: In accordance with TMS 402/ACI530 Code requirements. WIRE-BOND® does not recommend Type II anchors for steel stud backup.*

**Beam Ties**

Constructed of steel wire meeting requirements of ASTM A 82. Available in 3/16” or 1/4” wire. Finishes: mill galvanized, hot dip galvanized and stainless steel.
**Column Flange Ties**

For tying masonry to steel columns. Constructed of steel wire meeting requirements of ASTM A 82. Available in 3/16” or 1/4” wire. Finishes: mill galvanized, hot dip galvanized, and stainless steel.

**Channel Slots**

Designed to anchor masonry to structural steel columns or beams. Dimensions are 12gauge thick x 1-3/4” wide.

**Channel Slot Anchors**

Designed to anchor masonry to structural steel columns or beams with the #1301 and #1302 Channel Slots.

# 1401 Channel Slot Anchor

12 gauge or 16 gauge x 1-1/4” wide x various lengths.

12 gauge or 16 gauge x 1-1/4” wide 3-1/2", 4-1/2" and 5-1/2" standard lengths. Custom sizes available.
Column & Beam Anchors

Designed to anchor masonry to structural steel columns or beams. Standard dimensions are 12 gauge thick x 1-1/4” wide. Finishes: Mill Galvanized, Hot Dipped Galvanized or Stainless Steel. Custom dimensions available upon request.

Notched Column Anchors

Dimensions are 12 gauge thick x 2” wide x 7” long with 2” bend. Flange slot is 5/8” wide x 1” deep, located 1” from end, custom sizes are available. Finishes: Mill Galvanized / Hot Dip Galvanized / Stainless Steel.
**Dovetail Slot**

Dovetail Slot 1” width, 10’ lengths available in 26, 24, 22 gauge mill galvanized, hot dipped galvanized and stainless steel.

**Dovetail Triangular Tie**

For anchoring masonry to concrete with # 1304 Dovetail Slot or or with a wedge expansion bolt. Dovetail is 12 gauge x 7/8” with a 5/16” diameter hole. Triangle is 3/16” or 1/4” diameter with various lengths. Finishes: mill galvanized, hot dipped galvanized and stainless steel.

**Dovetail Corrugated Tie**

12 or 16 gauge x 1” wide. Standard lengths are 3-1/2”, 5-1/2” and 7-1/2” long. Finishes: mill galvanized, hot dipped galvanized and stainless steel.

**Veneer Anchor Corrugated**

16 gauge x 1-1/4” wide. Standard lengths are 3-1/2”, 4-1/2”, and 5-1/2”. 1-1/2” bend with 5/16” diameter hole is standard. Custom sizes are available upon request. Finishes: mill galvanized, hot dipped galvanized and stainless steel.
**DT Series Anchoring Systems**

- Designed for concrete backup walls and spray insulation applications
- Dovetail Plates (DT Series) are inserted into vertical dovetail slots (WB 1304) forming a 24” x 16” spacing grid to meet TMS 402/ACI 530 code requirements.
- Spray foam installer uses the holes on the legs of the plate (DT-711) and the slotted hole on the leg of the plate (DT-721 & DT-2421) as a guide for spraying different thicknesses of foam.
- The DT-711 System ensures the correct thickness of insulation and saves the installer valuable time.

**DT-721 Seismic**  
(patent pending)

#2441 plate is available in 14 or 12 gauge. Lengths can accomodate up to 3” of insulation.
#2422 seismic anchor is 12 gauge thick x 2” wide. Available lengths are 3-1/2”, 4-1/2”, and 5-1/2”. Available finishes are hot dip galvanized and stainless steel.

**DT-721**  
(patent pending)

#2441 plate is available in 14 or 12 gauge. Lengths can accomodate up to 3” of insulation.
#2402 pintle is 3/16” in diameter. Available lengths are 3-1/4”, 4-1/4”, and 5-1/4”. Custom lengths are available upon request. Finishes: hot dip galvanized and stainless steel.

**DT-711**  
(patent pending)

#2431 plate is available in 14 or 12 gauge. Lengths can accomodate up to 3” of insulation.
#2402 pintle is 3/16” in diameter. Available lengths are 3-1/4”, 4-1/4”, and 5-1/4”. Custom lengths are available upon request. Finishes: hot dip galvanized and stainless steel.
**Rigid Steel Anchor**

The 3000 Z Rigid Steel Anchor is used for anchoring load bearing walls at intersections. Stock size is 1/4” thick x 1-1/2” wide x 24” long, hot dipped galvanized, meeting TMS 402/ACI 530 code requirements. Other sizes are available upon request.

**Corrugated Wall Tie**

16 gauge or 22 gauge x 7/8” wide x 7” long. Finishes: mill galvanized, hot dipped galvanized and stainless steel.

**Grout Stop**

Designed to prevent grout from falling through block core while maintaining positive bond in mortar joint. Constructed of strong, non-corrosive 1/4” square polypropylene monofilament screening. Provides improved bonding of masonry anchor in hollow block construction. Available in 100’ Rolls.

**Mesh Wall Tie**

1/2” mesh x 16 gauge or 19 gauge, hot dipped galvanized. Available in 3’ x 100’ rolls or cut to size.

**Control Joint Anchor**

Designed for transferring loads across control joints while handling compression loads and controlling lateral movement. Finishes: mill galvanized and stainless steel.
Stone Anchors

These are just a few of the more commonly used anchors for stone. Our specialized manufacturing facilities make it possible for us to shear, punch and bend anything from light gauge mill galvanized material to 1/2” thick stainless steel. We also hot dip on premises and ensure a quick turn around time to meet your construction deadline.

Stone Anchor quote sheets are available at wirebond.com. Download the pdf and enter the dimensions desired and email directly from the quote sheet or fax to us @ 704-525-3761.

Custom Submittal Sheets are available upon request.
**RJ-721 Anchoring System**

The RJ-721 is comprised of a plate with legs (2421) and a heavy duty seismic adjustable anchor (2422). The seismic anchor is notched to accept 9 gauge or 3/16” continuous wire. The seismic lug allows straight and cut wire to run horizontally along the bed joint in brick veneer. Finishes: hot dipped galvanized and stainless Steel. **#2421 Plate**: available in 14 and 12 gauge. **#2422 Anchor**: Available in 11 and 12 gauge.

**#2421 Plate**: Lengths can accommodate up to 3-1/2” of insulation.

**#2422 Seismic Anchor**: 2” wide, 3-1/2”, 4-1/2” and 5-1/2” lengths.

**#2422**: Standard leg has a maximum vertical adjustment of 1-1/4”.

**Channel Slot Anchor Seismic**

Modified to meet seismic code. The seismic lug forms a channel in brick veneer for continuous 9 gauge or 3/16” wire. 12, 14, and 16 gauge x 1-1/4” wide. Standard lengths: 3-1/2”, 4-1/2”, and 5-1/2” Other lengths available upon request. Finishes: mill galvanized, hot dipped galvanized, and stainless steel.

**Dovetail Anchor Seismic**

Modified to meet seismic code. The seismic lug forms a channel in brick veneer for continuous 9 gauge or 3/16” wire. 12, 14, and 16 gauge x 1” wide. Standard lengths: 3-1/2”, 4-1/2”, and 5-1/2” Other lengths available upon request. Finishes: mill galvanized, hot dipped galvanized, and stainless steel.

**Seismic Veneer Anchor**

Modified to meet seismic code. The seismic lug forms a channel in brick veneer for continuous 9 gauge or 3/16” wire. 12, 14, and 16 gauge x 1-1/4” wide. Standard lengths: 3-1/2”, 4-1/2” and 5-1/2” Other lengths available upon request. Finishes: mill galvanized, hot dipped galvanized, and stainless steel.
The WIRE-BOND Clip...

Stability For When The Earth Moves.

Widely accepted as the standard for seismic applications. The WIRE-BOND® clip is preferred by masons everywhere because of its ease of installation, effectiveness and durability.

Conforms to building code requirements for masonry structures (ACI530-05/ASCES-05/TMS402-05); seismic performance categories A-E.

All WIRE-BOND® seismic products are fully tested. Call for test results. All WIRE-BOND® seismic products meet Uniform Building Code requirements listed in 1403.6.4.2.

“In seismic zones D, E and F, wall ties shall have a lip or hook on the extended leg that will engage or enclose a horizontal joint reinforcement wire having a diameter of 0.148 inch (3.76mm) (No. 9 B.W. gauge) or equivalent. The joint reinforcement shall be continuous with butt splices between ties permitted.”

Use the WireBond Clip on ladder and truss, our SureTie® systems, RJ-711 systems and triangular / rectangular ties.

Clip is welded to the tie at the factory. This simplifies installation at the job site.
CORE-LOCK

Patent No. US 8,122,675 B2

- Core-Lock is installed 1-1/4” deep into the CMU instead of on top of the block.
- Diagonal positioning in the core ensures that rebar is always centered automatically when using the single positioner and in the same plane as the block.
- Double Core-Lock positions rebar 1” from the inner face shells and in the same plane as the block.
- Does not interfere with installation of wire reinforcement.
- One-piece design with no welds.
- Safety bend ensures correct installation.

- Design prevents any movement during installation.
- Available for all sizes of block.
- 9 gauge mill galvanized, hot dipped and stainless steel finishes.
Some masons install bars (by sight) and others with the aid of positioners but all with the risk of not meeting code.

**GUARANTEES CODE COMPLIANCE**

**CORE-LOCK**

**Other Positioners**

**Figure 8 Rebar Positioners**

Figure 8 rebar positioners are designed to position rebar in the center of the block. Available for all sizes of CMU. Manufactured from 9 gauge wire. Available finishes: mill galvanized, hot dipped galvanized and stainless steel.

- # 3403 Single 8”
- # 3403 Single 12”
- # 3404 Double 12”

**Bond Beam Positioner**

Maximum strength is obtained by positioning bars in lower 1/3 of lintel.

# 3420

Patent No. US D 651,067 S
Stone Tab Ladder & Truss

Use with natural or manufactured stone. Ladder or Truss reinforcement with tabs, plus 1/4” or 3/8” rod. Either triangular and rectangular ties with lock bar or dovetail triangle can be used. Adjusts with natural coursing of stone.

* Standard Weight (9ga x 9ga).
* Heavy (3/16” Side Rods x 9ga Cross Rods).
* Extra Heavy (3/16” Side Rods x 3/16” Cross Rods).
* Tabs are 3/16” diameter standard.
Partition Top Anchors

Partition Top Anchors have been designed to provide lateral shear resistance at the upper limit of the wall. They permit vertical movement of slab above, without transferring compression loads to wall below. Finishes: mill galvanized, hot dipped galvanized and stainless steel.

PTA Tubes

PTA tube with expansion filler is placed over the anchor to allow deflection. Joint is filled with mortar, fully surrounding the tube.
Weepholes

Clear round plastic weep holes are manufactured from Medium Density Polyethylene.
Dimensions: 3/8” O.D. x 1/4” I.D. x 4”

- #3600I – with bronze filter & wick
- #3600C – with stainless steel filter & wick
- #3600H – with bronze filter
- #3600G – with stainless steel filter
- #3600W – with wick

Clear Rectangular Vent

Made from Clear Rigid PVC
Dimensions: 3/8” O.D. x 1-1/2” x 3-1/2”

- #3603B – with bronze filter & wick
- #3603T – with stainless steel filter & wick
- #3603F – with bronze filter
- #3603S – with stainless steel filter
- #3603W – with wick

Cell Vent

Cell Vent (ultra violet resistant polypropylene co-polymer) consists of many small, adjacent passageways bonded together in one unit. Cellular composition provides easy drainage for moisture along the full height of the head joint.

Standard size: 3/8”W x 2-1/2”D x 3-3/8”L
Jumbo size: 3/8”W x 3-1/2”D x 3-3/8”L
Available Colors: Clear / White / Tan / Cocoa / Gray / Brown / Black

Louered Weephole

Allows moisture to leave the wall and not re-enter. Protective strips on top prevent mortar droppings from clogging opening. Fits varying joint widths from 5/16” to 3/4”. Manufactured from flexible PVC.
Sizes: 2-1/4”, 2-7/8” and 3-1/2” high
PVC Control Joint

Extruded from a specially formulated PVC compound with 85 durometer hardness conforming to ASTM D 2287 Type 654, ASTM D 2240. It is designed for use in solid or cavity masonry wall construction at pilasters, columns, intersections or other joints. In long walls, control joints at 30-foot intervals are recommended to provide resilient resistance to cracking under stress of expansion and contraction.

#2938 Plumb-Rite

Plumb-Rite is a T-shaped PVC product that assists in keeping vertical joints in precise alignment where control joints and expansion joints are used in a masonry wall. Plumb-Rite is rigid enough to keep a 3/8” vertical joint consistently straight. It is flexible enough — with a special slotted stem — to allow for expansion of the brick. May be attached to wood, steel, and block back-ups with either nails, screws or mastic. When insulation is used in the cavity, foam board adhesive is simply applied to the back of the Plumb-Rite and adhered to the insulation.

Rubber Control Joint

Rubber control joints are available in all sizes. Conforms to ASTM D 2000 2AA 805, ASTM D 2240 with a durometer hardness of 85.

#3300 Expansion Joint (horizontal)

Adhesive on one side; compression up to 50%; manufactured of closed cell neoprene conforming to ASTM D 1056, RE41. 1/4” x 2-3/4” x 50’ Packed 500 feet per box.

#3300 Expansion Joint (vertical)

Non adhesive; compression up to 50%; manufactured of closed cell neoprene conforming to ASTM D 1056, RE41. 3/8” x 3” x 50’ Packed 500 feet per box.
**Copper Fabric Flashing**

Highest quality laminated copper flashing on the market today. Two layers of dense glass fabric and special blended asphalt are laminated to copper core to produce greater tensile strength and improved puncture resistance. Composition of copper, glass fabric and asphalt will ensure a permanent bond in the mortar joint and protection from moisture.

**SIZES:** * Available in 3, 5, or 7 oz. per square foot. * Standard widths: 12", 16", 18", 24" and 36" * 25 lineal feet per roll * Custom sizes available.

**WIRE-BOND® Flashing Mastic**

WIRE-BOND® Flashing Mastic is an asphalt base, trowel grade product that dries to a tough flexible waterproof and corrosive proof coating which gives excellent performance over a wide range of temperatures and conditions. * Complies with all requirements of Federal Specifications SS-C-153 Type I. * WIRE-BOND® Flashing Mastic is also a great idea for general roof repair including shingle leaks. It clings tightly to wood, slate, metal, asbestos felt, asphalt, concrete and masonry. It forms a strong and flexible rubbery surface to provide years of waterproofing. * WIRE-BOND® Flashing Mastic is a recommended mastic to waterproof all laps and joints in copper based laminated flashing.

**PACKAGING AVAILABLE:** * 5 gallon pails * 30 oz tubes packaged 20 per case.

**Copper Corners & End Dams**

Installed under flashing for the best protection against moisture penetration at corner sections and end dams.
4165 Drip Edge Flashing

Creates an extension beyond the wall plane and turned down at an angle of 45° to form a drip. Forces moisture away from the wall surface.

**DIMENSIONS / GAUGES:** * Standard 26ga x 3” or 1-1/2” wide by 8’ sections. 3/8” 45° lip with a 3/16” closed hem. * Packaged 25 per box.

**FINISHES:** * Type 304 stainless steel

4166 Drip Edge Corners

Provides a continuous system when used with sections of drip edge.

**DIMENSIONS / GAUGES:** * Standard 26ga x 3” or 1-1/2” wide by 12” x 12” sections. 3/8” 45° lip

**FINISHES:** * Type 304 stainless steel

4200 Termination Bar

Termination Bar attaches flashing to back-up wall.

**DIMENSIONS / GAUGES:** * Flat aluminum 1/8” x 1” wide by 10’ sections with 3/8” slotted holes, 8” O.C. * Flat stainless bar 1/8” x 1” wide by 10’ sections: holes 5/16”, 16”O.C. * 50 pieces per tube. **FINISHES:** * Aluminum / Type 304 stainless steel (Also available in PVC)

4210 Termination Bar

Termination Bar attaches flashing to back-up wall. Lip provides a channel for caulking at top of bar to prevent moisture penetration.

**DIMENSIONS / GAUGES:** * 26 gauge x 1-1/2” wide by 8’ sections: 3/8” 45° lip with a 3/16” closed hem. Holes: 5/16”, 8”O.C.

**FINISHES:** * Type 304 Stainless Steel / Aluminum
Aqua Flash 500

Aqua Flash 500 flashing is a composite sheet type waterproofing membrane consisting of 8 mils of high density cross laminated polyethylene bonded to 32 mils of rubberized asphalt for a total thickness of 40 mils.

Applications:
- Thru-wall flashing
- Concealed flashing
- Foundation sill flashing
- Base flashing
- Spandrel flashing
- Head and sill flashing
- Parapet flashing

Sizes:
Available in 12”, 16”, 18”, 24” and 36” widths. Standard length is 50 linear feet.

Aqua Flash Primer

A one component low solvent-based, high tack primer specifically designed to promote maximum adhesion of the Aqua Flash 500 waterproofing membrane on all vertical and horizontal surfaces when the substrate is either not dirt free or when membrane will not adhere properly.

Stainless Steel Corners & End Dams

Type 304 Stainless Steel. Installed under flashing for the best protection against moisture penetration at corner sections and end dams.
Rhino Bond
Rhino-Bond is a 40 mil thick rugged, easy to install, peel and stick flashing. Rhino-Bond consists of 27 mils of membrane formulated with DuPont’s Elvaloy® Kee, 10 mils of butyl adhesive and 3 mils of release paper. A no drool flashing that maintains flexibility in extreme heat or cold.

FEATURES:
- Pressure – sensitive, clear adhesive that will not drool when exposed to UV or heat.
- Maintains flexibility in extreme heat or cold.
- Not susceptible to UV degradation.
- Highly resistant to oils.
- Will repel most chemicals,

USES:
Thru-wall or surface-mount applications.

Copper Seal
Wire-Bond’s copper fabric flashing is a full, single sheet of 3, 5, or 7oz. copper sheet bonded with a rubber based adhesive between two layers of polymer fabric.

FEATURES:
- Compatible with building envelope air barriers, spray foam insulations and rigid board insulations.
- Clean and compatible - no asphalt or parting agents.
- Made of 90% recycled copper.
- Works in all temperatures (-25°F-125°F).
- Life of the wall warranty.
- Lighter weight allows longer 60-ft. rolls for fewer lap joints (40’ for 7oz).
- Compatible with most caulsks and sealants; no special flashing mastic needed, polyether sealants are recommended.

USES:
Foundation Sill Flashing, Cavity Wall Flashing, Parapet or Copings, Head and Sill Flashing.

Copper Aqua Flash
Copper Aqua Flash flashing is a composite flexible flashing composed of a layer of polyester film bonded to a solid sheet of soft tempered copper bonded to 32 mils of a highly adhesive SBS modified bitumen (rubberized asphalt) with a removable silicone coated liner.

FEATURES:
- By encapsulating the copper in the film and the rubberized asphalt, the copper is completely protected from any alkalis or acids found in concrete or mortar.
- Self-adhering and self-sealing.
- Excellent puncture and abrasion resistance.
- Designed to “self-heal” if damaged slightly during installation, since the adhesive system will elongate and recover.
- High temperature stability.

USES:
Can be applied as part of a system which uses both Aqua Flash primer and mastic. It may be applied to masonry, concrete, steel, wood and gypsum.
Cavity Net DT #3611D

Cavity Net DT is used in masonry cavity wall construction. Manufactured from high-strength nylon with a 95% open three dimensional matrix. Cavity Net DT allows air and water to flow freely. It's unique dovetail shape with continuous base suspends mortar droppings at two levels preventing mortar bridging and allows moisture to exit the wall through weeps or vents.

- 95% Open Nylon Mesh allows unobstructed passage of air and water allowing wall cavity to dry and drain quickly.
- Design permanently suspends mortar droppings preventing any blockage of weep holes.
- Durable nylon composition designed to last the lifespan of the building.
- Compressible to allow for cavity variations.
- Ease of installation - Just place in cavity.

Cavity Net #3611

Cavity Net I is a polymer core geomatrix composed of high density polyethylene strands woven into a .80” thick mesh. The design allows moisture to seep down through any mortar droppings and exit the cavity wall through the weep holes. Used in cavity walls ranging from 1” to 1-3/4” in width.

Cavity Net II is a 1.5” thick high density polyethylene geometric design used for cavities 2” and wider. The staggered dimples design suspend mortar droppings and redirects moisture to the exterior by way of the weep holes. The slightly narrower design helps avoid any possible bridging of mortar across the cavity.

Cavity Net I: 200ft. per box. (4 rolls at 50ft.)
Cavity Net II: 140ft. per box. (4 rolls at 35ft.)
**Sleeve Expansion Bolt**  
Sleeve type anchor features a split expansion sleeve over a threaded stud bolt body and integral expander, nut and washer. Anchor is expanded by tightening the nut.  
FINISHES: Zinc-Plated Carbon Steel / Type 304 stainless steel  
For anchorage into concrete, masonry, grout filled block and hollow block.

**Wedge Expansion Bolt**  
Wedge anchors consist of a high-strength threaded stud body, expansion clip, nut and washer. Anchor bodies are made of plated carbon steel. The expansion clip consists of a split cylindrical ring with undercutting grooves.  
FINISHES: Zinc-Plated Carbon Steel / Type 304 stainless steel  
For anchorage into concrete. Installed into a pre-drilled hole. Anchor is expanded by tightening the nut.

**Zamac Nail-In**  
The Zamac nail-in or Hammer Drive Anchor is a nail drive anchor which has a body formed from Zamac alloy. Nail-In has a low profile mushroom head style. Allows for fast and easy installation. 1/4” diameter, 1”to 3” lengths available. Sold 100 / box  
FINISHES: Zinc Coated / Stainless steel  
Can be used in concrete, block, brick, or stone and is corrosive resistant.

**Climaseal Screw**  
The maximum in corrosion resistant coatings. Average of 30 cycles of corrosion resistance. Provides long-term corrosion protection. Attractive silver-grey finish covers entire fastener surface. Compatible with painted or metal surfaces. Outperforms existing mechanical and electro-platings. Does not promote corrosion that can be caused by electro-chemical reaction between dissimilar metals.  
Screws EPDM washers:  
- #10 – 1-1/2” #10 – 9/16”  
- #12 – 1-1/2” #12 – 9/16”  
- Screws are packaged 2500/box with washers and 3000/box without washers.

**SFS Stadler SX Fastener**  
This self-drilling screw has a tough carbon steel point for easy installation. Frequently specified on stainless steel anchor jobs.  
- Available with and without washers.  
- Made of Type 304 Stainless Steel.

**Polymer Coated 1000hr Screw**  
- Polymer Coating  
- Sizes of screws vary according to application.  
- Stock sizes from 1 1/2” to 4” in length.
All of our products are manufactured in our Charlotte, NC or Memphis, TN plants or sourced from other American Companies.