



TYING MASONRY TO STEEL

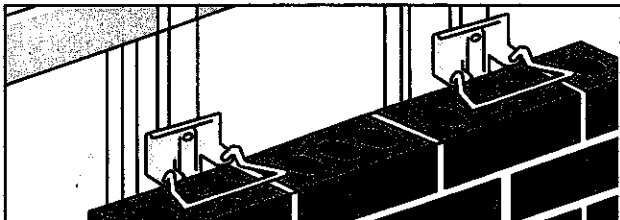
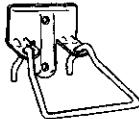
RJ-711 Adjustable Veneer Anchor

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", and 3" insulation. Test data provided upon request.

The WIRE-BOND® RJ-711 with 3/16" adjustable tie meets the Brick Institute 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.

In RJ-711 chart, a tension/pull out load was applied to samples using a loading fixture positioned in a calibrated testing machine. A proof load of 100 lbs was applied and held for 30 seconds. A deflection reading in inches was taken prior to continuing the test to failure.

RJ-711 Veneer Anchor
2401 (Plate)
2402 (Hook)



WIRE-BOND® Clip

The WIRE-BOND® clip conforms to requirements of Uniform Building Codes for seismic zones. Continuous straight and cut wire is installed in the WIRE-BOND® clip which is embedded in the mortar joint. The tie is installed in the plate or eyelets which are fastened to the support structure. This adds stability and protects against problems associated with thermal expansion and contraction. Also provides more uniform distribution of lateral forces.

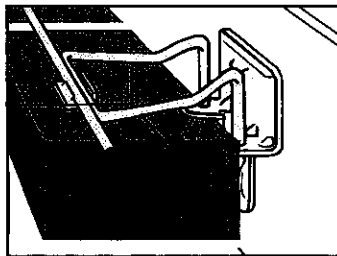
The WIRE-BOND® clip is welded to the hook. Continuous wire fits into place providing a single unit for stability. WIRE-BOND® clip may be welded into any system using double hook for adjustment such as RJ-711 or double hook-and-eye system.

RJ-711				
Piece #	Proof Load (lbs)	Deflection (ins)	Ultimate Load (lbs)	Comments
9-13-94-13	100	0.020	672	Fully Engaged
9-13-94-14	100	0.033	720	Fully Engaged
9-13-94-15	100	0.028	664	Fully Engaged
9-13-94-16	100	0.030	792	Fully Engaged
9-13-94-17	100	0.024	552	Fully Engaged
2-16-95-6	100	0.040	408	5/16" Disengaged
2-16-95-7	100	0.033	424	5/16" Disengaged
2-16-95-8	100	0.044	400	5/16" Disengaged
2-16-95-9	100	0.048	424	5/16" Disengaged
2-16-95-10	100	0.041	400	5/16" Disengaged
9-13-94-18	100	0.030	176	1-1/4" Max Disengaged
9-13-94-19	100	0.032	160	1-1/4" Max Disengaged
9-13-94-20	100	0.028	208	1-1/4" Max Disengaged
9-13-94-21	100	0.035	152	1-1/4" Max Disengaged
9-13-94-22	100	0.026	296	1-1/4" Max Disengaged

Test samples were all 14 gauge plates with 3/16" double hooks.

RJ-711 COMPRESSION TEST RESULTS				
Piece #	Proof Load (lbs)	Deflection (ins)	Ultimate Load (lbs)	Comments
2-5-97-7	100	0.020	626	Bent Wire
2-5-97-8	100	0.015	421	Wire Slipped
2-5-97-9	100	0.033	513	Ears Bent On Plate
2-5-97-10	100	0.018	548	Wire Slipped
2-5-97-11	100	0.026	509	Wire Slipped
2-5-97-12	100	0.028	484	Wire Slipped

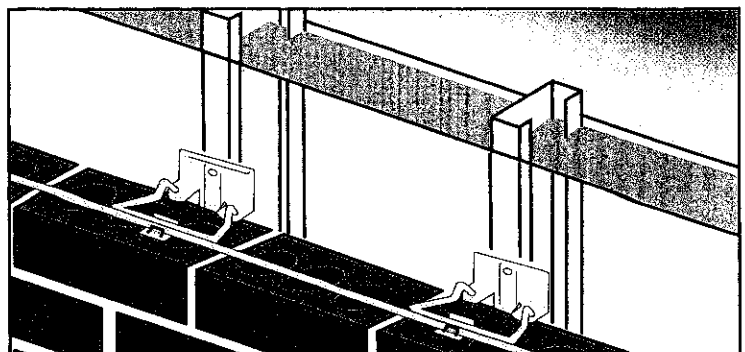
WIRE-BOND® Clip



RJ-711 with pre-welded Wirebond® Clip

WIRE-BOND® Clip

0913 (seismic hook)
3500 (straight & cut)





HCL-711 Anchoring System

WIRE-BOND®'s 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.

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.

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.

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.

The HCL-711 has three pointed prongs which pierce wallboard and abut to the steel stud. The triangular pattern of the 14 gauge prongs allows little or no compressible movement where the wallboard may deteriorate. It is especially useful in high wind environments and seismic areas D and E where wallboard is installed between the steel stud and insulation. It is compatible with the WIRE-BOND® Clip System used in seismic zones. The prongs extend through 5/8" wallboard. Plate "legs" are available without extensions; or with extensions of 1", 1-1/2", 2", 2-1/2", and 3" to accommodate insulation.

Anchor plates and ties are hot dipped galvanized or stainless steel to meet ACI530 Code requirements for masonry structures. Two screws -- top and bottom -- are recommended when attaching anchor plates to the stud for added strength and stability. It is not necessary to special order extra long screws. Standard shorter screws provide for shorter turn around time and quicker installations.

Packaged 250 pcs/box. HCL anchor plates (14 gauge) and 3/16" adjustable double hooks are available in hot dipped galvanized and stainless steel.

Anchorseal is 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. It automatically seals around the shaft of the screw and prongs of the HCL-711 anchor during installation.

