



Metal Lath and Accessories

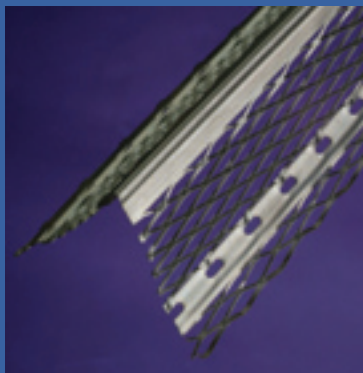
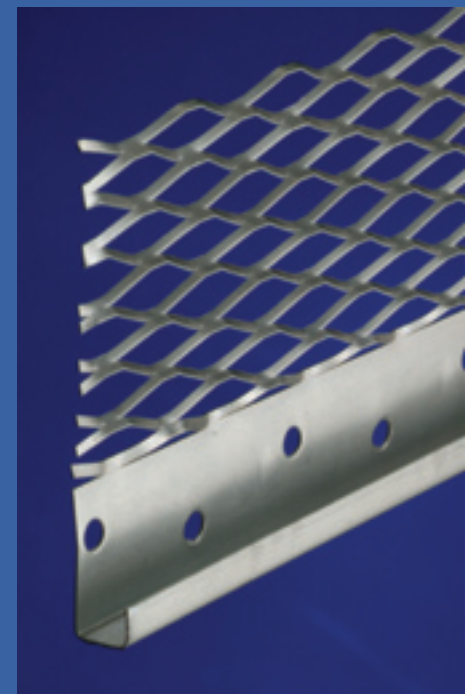
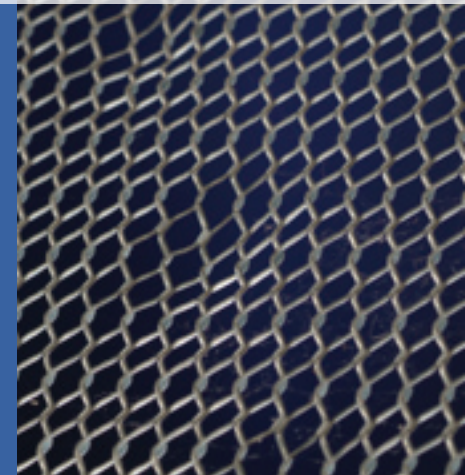


TABLE OF CONTENTS

Diamond Mesh Lath	Page 1	J-Metal Bead	
Flat Lath (Galvanized and Stainless Steel)		Foundation Weep Screenshot (FHA #7)	
Self-Furred Lath — Dimpled		Control Joint (VV or M-Type, #15 Joint)	
Self-Furred Lath — V Grooved		Griplock J Control Joint (#XJ15 Joint)	
		Zinc Control Joint	
Tilath™ Paper Backed Metal Lath	Page 2	Inside Corner Control Joint (#30 Joint)	
Flat and Self-Furred Tilath™		M-Slide™ 2-Piece Expansion Joints	
Tilath™ Rib Lath (1/8" Rib)		2-Piece Expansion Joint (#40 Joint)	
Tilath™ Starter Strips			
		Installation Key Points	Page 10
Rib Lath	Page 3	Installation Detail Photos	Page 11
1/8" Flat Rib Lath		Metal Lath Specification	Pages 12-13
3/8" High Rib Lath		Specialty Metal Products	Page 14
		N093 Drywall/DEFS Control Joint	
Support Spacing for Metal Lath	Page 3	Wire Corners	
		Galvanized Hanger and Tie Wire	
Spray Lath Products	Page 4	Galvanized Cold Rolled Channel	
Spray Rib Lath — Flat (1/8") Rib			
Spray Rib Lath — High (3/8") Rib			
		SS304/316 Stainless Steel Lath	Page 15
Managing Quality Control	Page 4	Secura Lath® Spec Data	Page 15
		Security Mesh™ System	Page 16
Metal Accessories	Page 5	Security Mesh™ Specification	Page 17
X-1 Corner Bead		Manufacturing &	
X1-N Narrow Wing Corner Bead		Distribution Centers	Back Cover
X-2 Reinforced Corner Bead			
Cornalath (Cornerite)			
Striplath			
Metal Accessories	Pages 6-9		
X-66 Expanded Flange Casing Bead			
N-66 Narrow Wing Casing Bead			

QUALITY PRODUCTS – COAST TO COAST



A GIBRALTAR INDUSTRIES COMPANY 

ALABAMA METAL INDUSTRIES CORPORATION

3245 Fayette Avenue • Birmingham, AL 35208

Phone (205) 787-2611 • (800) 366-2642 • Fax (205) 786-6527

www.amico-lath.com

DIAMOND MESH LATH

Flat Lath is manufactured from prime quality steel sheets that are slit and expanded to form small diamond shaped openings. This large number of openings provides more plaster keys, providing better scratch coat bonding in either pumped or troweled applications. Each sheet has square ends and smooth parallel edges on sides for fast, easy handling and bending for curved surfaces. G60 galvanized finish to ASTM A653.

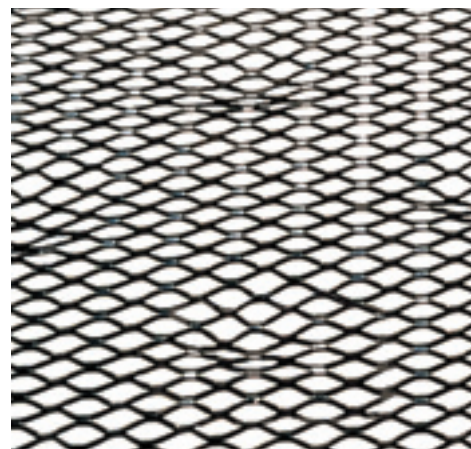
Weight/ sq. yard	Finish	Sheet weight	Nominal sheet size	Sheets/ bundle	Bundles/ pallet	Pallet weight
1.75 lbs.*	Galvanized	3.5 lbs.	27" x 97"	10	50	1750 lbs.
2.5 lbs.	Galvanized	5.0 lbs.	27" x 97"	10	50	2500 lbs.
3.4 lbs.	Galvanized	6.8 lbs.	27" x 97"	10	50	3400 lbs.
1.75 lbs.	Stainless	3.5 lbs.	27" x 97"	10	25	875 lbs.
2.5 lbs.	Stainless	5.0 lbs.	27" x 97"	10	25	1275 lbs.
3.4 lbs.	Stainless	6.8 lbs.	27" x 97"	10	25	1700 lbs.



Self-Furred Lath is used extensively in exterior stucco and stone work over sheathing and as a plaster base over masonry walls. Self-furring dimples or embossed "V" grooves hold the lath minimum 1/4" away from solid surfaces to aid in the keying of stucco to the lath. **AMICO self-furred lath does not require additional self-furring mechanisms to function as required by ASTM C1063.**

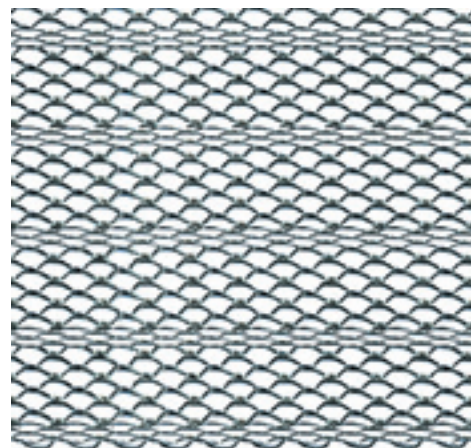
Dimpled (dimple spacing 5 1/4" on length with offset rows 5 1/4" apart on width)

Weight/ sq. yard	Finish	Sheet weight	Sheet size	Sheets/ bundle	Bundles/ pallet	Pallet weight
1.75 lbs.*	Galvanized	3.5 lbs.	27" x 97"	10	25	875 lbs.
2.5 lbs.	Galvanized	5.0 lbs.	27" x 97"	10	25	1250 lbs.
3.4 lbs.	Galvanized	6.8 lbs.	27" x 97"	10	25	1700 lbs.
2.5 lbs.	Stainless	5.0 lbs.	27" x 97"	10	25	1250 lbs.
3.4 lbs.	Stainless	6.8 lbs.	27" x 97"	10	25	1700 lbs.



V Grooved (embossed "V" grooves spaced 6" on center lengthwise)

Weight/ sq. yard	Finish	Sheet weight	Sheet size	Sheets/ bundle	Bundles/ pallet*	Pallet weight
1.75 lbs.*	Galvanized	3.5 lbs.	27" x 97"	10	50	1750 lbs.
2.5 lbs.	Galvanized	5.0 lbs.	27" x 97"	10	50	2500 lbs.
3.4 lbs.	Galvanized	6.8 lbs.	27" x 97"	10	50	3400 lbs.



As per current revisions of ASTM C1063, metal lath applied to solid substrates must have 1/4" self-furring properties, built into the lath sheet. Therefore, AMICO recommends the use of self-furred (SF) lath over solid substrates, as required by current codes. Self-furring lath is not required over framing members less than 1 5/8" wide or over open framing. (25-bundle pallets available in Fontana, CA facility.) G90 galvanized finish available on all lath. Minimum quantities and lead time apply.

*1.75 lb. is not recognized in ASTM C847, but is referenced in one-coat stucco systems and tile work.

TILATH™ PAPER BACKED METAL LATH

Tilath™ is AMICO lath with our factory-applied, weather-resistant barrier, Grade D, asphalt saturated paper (WRB). Tilath is attached in an “offset” fashion, providing for a ship lap installation, per ASTM C1063 (see the illustrations below). Tilath is an ideal selection for applications requiring two layers of WRB, where the synthetic air barrier provides the first barrier. Furthermore, Tilath is an ideal choice for veneer stone installations when the first WRB is already installed. 30 and 60-minute Tilath available, minimums apply.

Flat and Self-Furred Tilath™

Weight/sq. yard*	Finish	Sheet weight*	Sheet size	Sheets/bundle	Bundles/pallet	Pallet weight
1.75 lbs.	Galvanized	3.77 lbs.	27" x 97"	10	25	920 lbs.
2.5 lbs.	Galvanized	5.18 lbs.	27" x 97"	10	25	1295 lbs.
3.4 lbs.	Galvanized	6.81 lbs.	27" x 97"	10	25	1745 lbs.

*Weight per sq. yard does NOT include the Grade D WRB; sheet weight DOES include the approximate weight of the paper.

Tilath™ Rib Lath (1/8" rib) for the installation of stone and tile on walls or plaster on interior ceilings.

Weight/sq. yard	Finish	Sheet weight*	Sheet size	Sheets/bundle	Bundles/pallet	Pallet weight
2.75 lbs.	Galvanized	5.63 lbs.	27" x 97"	10	25	1420 lbs.
3.4 lbs.	Galvanized	6.81 lbs.	27" x 97"	10	25	1745 lbs.

*Weight per sq. yard does NOT include the Grade D WRB; sheet weight DOES include the approximate weight of the paper.

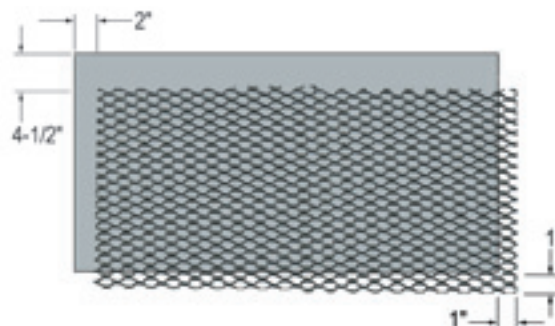
Tilath™ Starter Strips are compatible Grade D asphalt paper strips to be used over the foundation weep screed when installing offset, paper backed lath. **Starter Strips** are printed with incremental 1" marks and larger marks at 12" and 16" to assist the installer in fastening to the wall framing. Because of their Weather Resistant Barrier (WRB) properties, they also provide protection around doors and windows, behind stucco accessories and anywhere WRB strips are needed.

Roll Size	Rolls/Carton	Carton Weight	Cartons/pallet
6" x 225'	6	30 lbs.	30



Tilath™ Paper Backed Lath Construction Detail

Tilath™ has a WRB factory applied to lath sheets with a double offset, one side and end to allow the lath to overlap at sheet joints. Tilath is to be “shingled” up the wall, beginning with a 6" Tilath Starter Strip (Grade-D paper) at base of wall, placing the Starter Strip over the weep screed attachment flange. Then, the Tilath sheet is attached with metal overhang facing down so that the lap detail can be achieved (as shown at right).

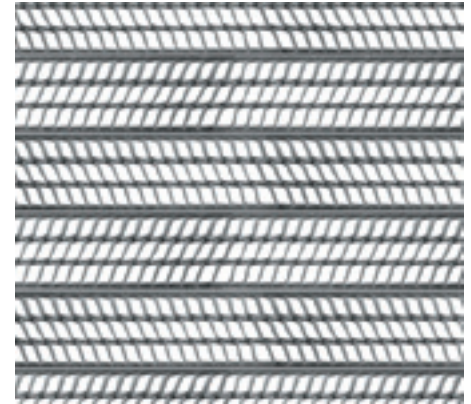


RIB LATH

Rib Lath with its unique solid metal ribs running the length of the lath is used for 3-coat stucco and thin veneer stone installations. Rib lath provides greater stiffness and strength to support heavier finishes. See **Support Spacing for Metal Lath** table below for lath and support spacing.

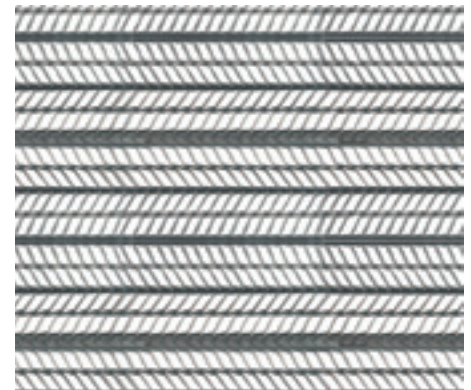
1/8" Flat Rib Lath has eighteen ribs, 1/8" high, spaced 1 1/2" on center for the installation of stone and tile on walls or plaster on ceilings.. The 2.75 lbs. product may be installed over horizontal spans up to 16" on center, and the 3.4 lbs. product may be installed over spans of 19" on center, when following ASTM C1063. This lath sheet still requires furring on solid substrates.

Weight/sq. yard	Finish	Sheet weight	Sheet size	Sheets/bundle	Bundles/pallet	Pallet weight
2.75 lbs.	Galvanized	5.5 lbs.	27" x 97"	10	50	2750 lbs.
3.4 lbs.	Galvanized	6.8 lbs.	27" x 97"	10	50	3400 lbs.



3/8" High Rib Lath is designed with seven longitudinal ribs (each 3/8" deep) and eight small flat ribs in between the high ribs. This product is used almost exclusively for ceiling and soffit applications. ASTM C1063 allows framing for High Rib Lath to span up to 24" on center. High Rib Lath is installed with nose of ribs touching framing members.

Weight/sq. yard	Finish	Sheet weight	Sheet size	Sheets/bundle	Bundles/pallet	Pallet weight
3.4 lbs.	Galvanized	6.8 lbs.	27" x 97"	10	50	3400 lbs.
4.0 lbs.	Galvanized	8.0 lbs.	27" x 97"	10	50	4000 lbs.



SUPPORT SPACING FOR METAL LATH

(adapted from ASTM C1063, table 3)

Types of Lath	Nominal Weight (per sq. yard)	VERTICAL SPACING (INCHES)			HORIZONTAL (INCHES)	
		Wood	Solid Plaster ¹ (Metal)	Other (Metal)	Wood or Concrete	Metal
Diamond Mesh Lath ²	2.50 lbs.	16 ³	16 ³	12	12	12
	3.40 lbs.	16 ³	16 ³	16	16	16
Flat Rib Lath	2.75 lbs.	16	16	16	16	16
	3.40 lbs.	19	24	19	19	19
3/8" Rib Lath	3.40 lbs.	24	24	24	24	24

1 Where plywood is used for sheathing, a minimum of 1/8 in. (3.2 mm) separation shall be provided between adjoining sheets to allow for expansion.

2 Metal plaster bases shall be furred away from vertical supports or solid surfaces at least 1/4 in. Self-furring lath meets furring requirements; furring of expanded metal lath is not required on supports having a bearing surface of 1/8 in. or less.

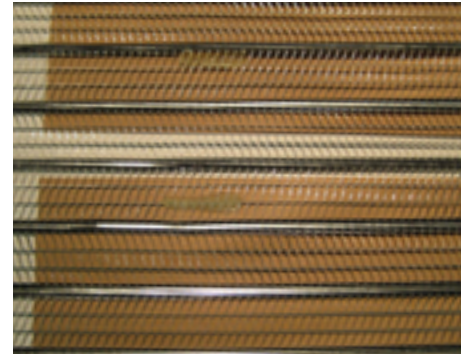
3. These spacings are based on unsheathed walls. Where self-furring lath is placed over sheathing or a solid surface, the permissible spacing of supports shall be no more than 24 in. (610 mm).

SPRAY LATH PRODUCTS

Spray Lath is used primarily on the West coast, where stucco is spray applied to the surface of the lath to build stucco thickness. The Kraft paper is factory applied to prevent over spray of stucco. The spaces between the strips of Kraft paper allow for the visual alignment of the sheet for mechanical attachment of the ribs to the substrate. Rib Lath is often attached directly to the vertical framing members without a solid board substrate included. AMICO spray products include:

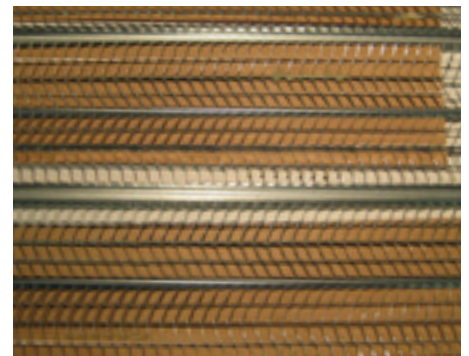
Spray Rib Lath - Flat (1/8") Rib has two (2) strips of kraft paper, 12" wide, attached to the lath. Flat Rib is allowed by Building Code to span 16" on center for the 2.75 lb. Flat Rib, 19" on center for 3.4 lb. Flat Rib.

Weight/ sq. yard	Sheet size	Sheet weight	Sheets/ bundle	Bundles/ pallet	Pallet weight
2.75 (1/8") lbs.	27" x 97"	5.5 lbs.	10	50	2750 lbs.
2.75 (1/8") lbs.	27" x 48"	2.75 lbs.	10	50	1375 lbs.



Spray Rib Lath - High (3/8") Rib is a more rigid lath product than Diamond Mesh, and like Spray Lath, has strips of kraft paper attached between the ribs. The additional rigidity is well suited for horizontal applications such as soffits. The 3.4 lb. High Rib allows for (up to) 24" spans.

Weight/ sq. yard	Sheet size	Sheet weight	Sheets/ bundle	Bundles/ pallet	Pallet weight
3.4 (3/8") lbs.	27" x 97"	6.8 lbs.	10	50	3400 lbs.

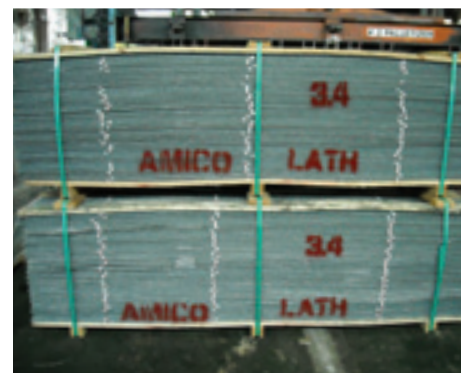


MANAGING QUALITY CONTROL

Metal lath may look the same when palletized and stocked in the warehouse or on the jobsite. Before it's installed, is it the correct weight, and is it what was specified?

To be assured your lath is CODE COMPLIANT, AMICO straps all diamond mesh bundles with the appropriate identification, including weight, ASTM #, ICC-ESR# and Made in U.S.A. Furthermore the lath bundle's straps are color-coded (red strapping for 3.4#, blue for 2.5# and yellow for 1.75#) for your assurance.

As AMICO lath bundles are brought to the job, one can be assured they are CODE COMPLIANT by observing color coded strapping complies with the project specifications. Each bundle is identified as seen below:



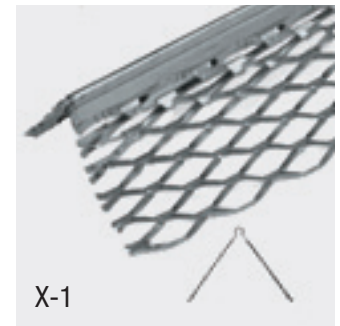
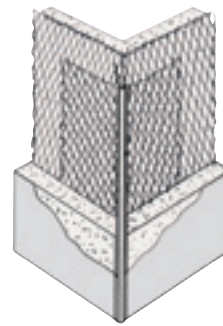
AMICO 3.4# sq.yd.per ASTM C-847, ICC-ESR-2247 Made in USA

AMICO 2.5# sq.yd.per ASTM C-847, ICC-ESR-2247 Made in USA

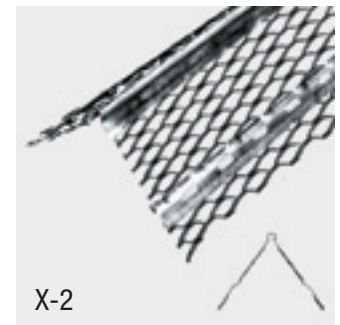
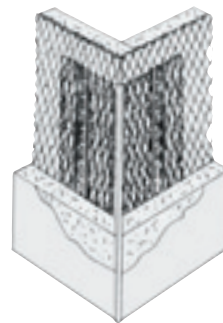
METAL ACCESSORIES

Corner Beads (X-1 and X-2) provide exterior corner protection and a straight ground for screeding. The **X-1 Corner Bead** has a 3" wide flange that is flexible and adaptable to various ground heights. The **X-1-N Narrow Wing Corner Bead** has the same design as X-1, but with a shorter, 2½" wide flange. The **X-2 Reinforced Corner Bead** is superior in strength to X-1, due to added stiffener strips in the ¾" wide flanges. The chart below outlines the specifics of each style.

Style	Length	Finish	Pieces/carton	Weight/carton	Cartons/pallet	Pallet weight
X-1	10'	Galvanized	30	56 lbs.	21	1166 lbs.
X-1	10'	Zinc	30	49 lbs.	21	1008 lbs.
X-1	10'	Stainless	30	56 lbs.	21	1166 lbs.
X-1-N	8'	Galvanized	40	55 lbs.	20	1095 lbs.
X-1-N	8'	Zinc	40	48 lbs.	20	935 lbs.
X-1-N	10'	Galvanized	30	51 lbs.	21	1078 lbs.
X-1-N	10'	Zinc	30	44 lbs.	21	920 lbs.
X-2	10'	Galvanized	30	76 lbs.	21	1600 lbs.
X-2	10'	Zinc	30	67 lbs.	21	1407 lbs.
Wire	8', 9', 10'	Galvanized	40	44 lbs.	24	1056 lbs.



X-1

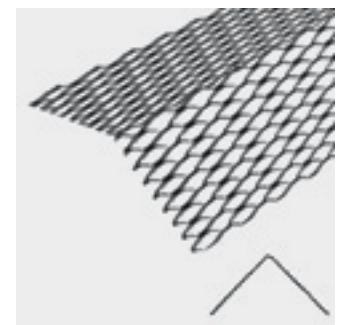
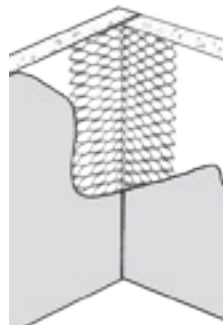


X-2

AMICO Wire Corners are discussed further on page 14 (Specialty Products)

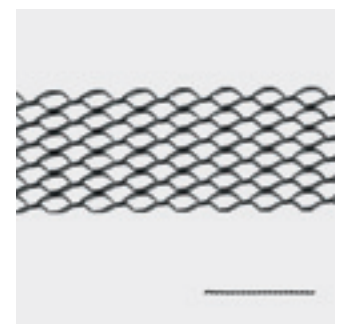
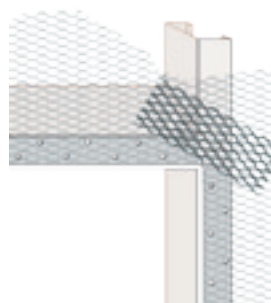
Cornalath (Cornerite) is used to reinforce corners and help prevent cracks. The 105° angle offers resistance when pushed into the inside of the corner. Available in galvanized steel only.

Length	Pieces/carton	Weight/carton	Cartons/pallet	Pallet weight
2" x 2" – 4'	125	35 lbs.	30	1050.0 lbs.
2" x 2" – 8'	75	50.4 lbs.	21	1058.4 lbs.
3" x 3" – 8'	75	70.8 lbs.	15	1062.0 lbs.



Striplath is galvanized, diamond mesh lath, produced in 4" and 6" wide strips with smooth edges. Striplath is used to reinforce plaster at the corners of door and window openings to reduce cracks caused by stress.

Length	Pieces/carton	Weight/carton	Cartons/pallet	Pallet weight
4" x 8'	75	50.4 lbs.	20	1008 lbs.
6" x 8'	75	70.8 lbs.	20	1416 lbs.



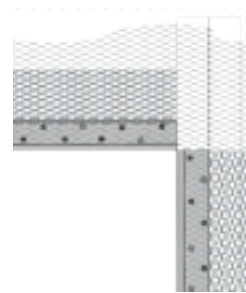
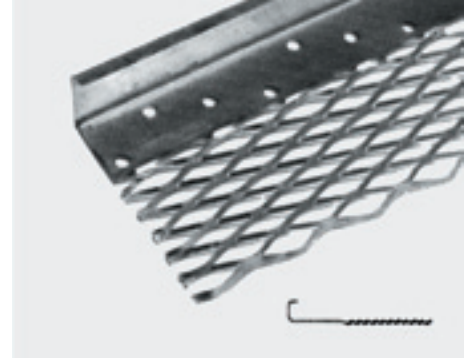
Custom length accessories are available upon request.

AMICO recommends the use of zinc or vinyl accessories for all exterior applications. Contact your AMICO representative for a vinyl catalog or visit our website.

METAL ACCESSORIES

X-66 Expanded Flange Casing Bead (sometimes called “plaster stop” or “J-bead”) has a 3” expanded mesh flange with a 1/4” return leg. This trim is used to terminate plaster or stucco around doors, windows or any other opening. The chosen ground height aids in screeding the proper thickness of stucco.

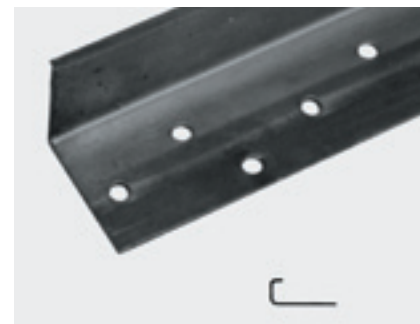
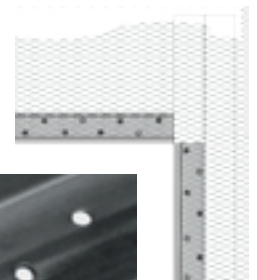
Ground	Length	Pieces/ carton	Finish	Weight/ carton	Cartons/ pallet	Pallet weight
3/8"	10'	30	Galvanized Zinc	44 lbs. 42 lbs.	20	880 lbs. 840 lbs.
1/2"*	10'	30	Galvanized Zinc	47 lbs. 44 lbs.	20	940 lbs. 880 lbs.
5/8"	10'	30	Galvanized Zinc	49 lbs. 47 lbs.	20	980 lbs. 940 lbs.
3/4"	10'	30	Galvanized Zinc	51 lbs. 49 lbs.	20	1020 lbs. 980 lbs.
			Stainless	51 lbs.		1020 lbs.
7/8"	10'	30	Galvanized Zinc	53 lbs. 51 lbs.	20	1060 lbs. 1020 lbs.
			Stainless	53 lbs.		1060 lbs.
1"	10'	30	Galvanized Zinc	56 lbs. 53 lbs.	20	1120 lbs. 1060 lbs.
			Stainless	56 lbs.		1120 lbs.
1 1/4"	10'	30	Galvanized Zinc	59 lbs. 56 lbs.	20	1180 lbs. 1120 lbs.
1 1/2"	10'	30	Galvanized	76 lbs.	20	1520 lbs.



All X-66 Beads can be supplied with punched holes in the ground, but should not be used in lieu of a #7 FHA full weep screed at base of wall to be in compliance with ASTM C1063.

N-66 Narrow Wing Casing Bead is primarily a West Coast product. It has the same basic profile as X-66, but without the expanded flange. Nail and keying holes are provided in the flange, which is approximately 1 3/8” wide. Weep holes are optional on all grounds.

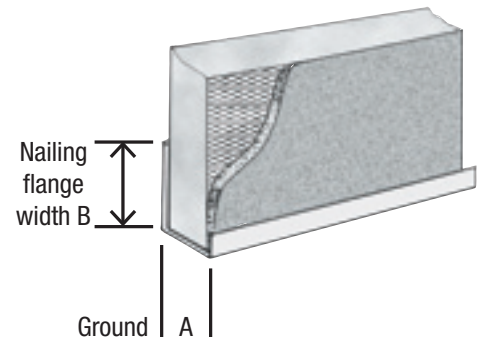
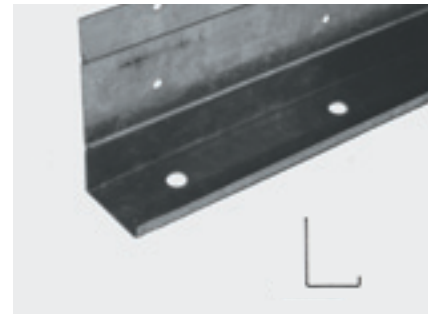
Ground	Length	Pieces/ carton	Finish	Weight/ carton	Cartons/ pallet	Pallet weight
3/8"	10'	30	Galvanized Zinc*	37 lbs. 35 lbs.	30	1110 lbs. 1050 lbs.
1/2"	10'	30	Galvanized Zinc*	39 lbs. 38 lbs.	30	1170 lbs. 1140 lbs.
3/4"	10'	30	Galvanized Zinc*	44 lbs. 41 lbs.	30	1320 lbs. 1230 lbs.
7/8"	10'	30	Galvanized Zinc*	47 lbs. 44 lbs.	30	1410 lbs. 1320 lbs.
1"	10'	30	Galvanized Zinc*	47 lbs. 45 lbs.	30	1440 lbs. 1350 lbs.



*Not a stock item. Call for lead time.

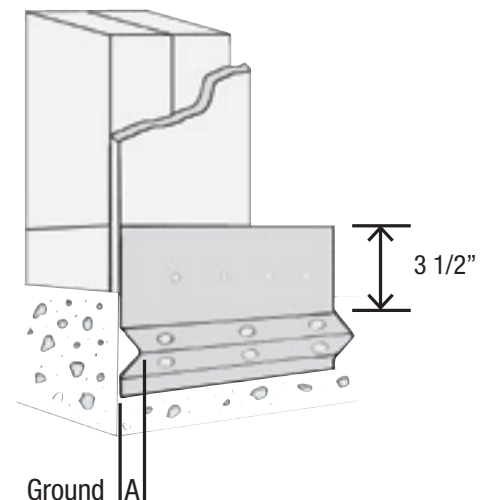
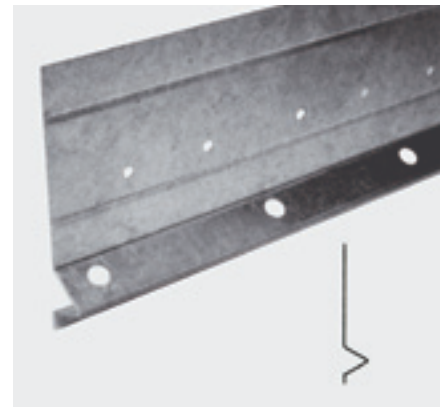
J-Metal Bead will accommodate up to 1" of rigid insulation and one-coat stucco direct applied systems or thin-veneer stone. The 0.0172-inch J-Metal can be punched for weep in ground flange as requested. Weeps spaced at 6" centers. Not to be used in lieu of foundation weep screed with 3-coat stucco applications that must comply with IBC and ASTM C1063.

Ground A	Length	Pieces/ bundle	Nailing flange height B	Weight/ bundle	Bundles/ pallet
3/8"	10'	10	3 1/2"	26 lbs.	50
1/2"	10'	10	3 1/2"	28 lbs.	50
3/4"	10'	10	3 1/2"	29 lbs.	50
7/8"	10'	10	3 1/2"	30 lbs.	50
1 3/8"	10'	10	1 3/4" 3 1/2"	21 lbs. 35 lbs.	100 50
1 1/2"	10'	10	1 3/4" 3 1/2"	24 lbs. 36 lbs.	100 50



Foundation Weep Screed (FHA #7) is required at the base of walls as part of a drainage system for exterior stucco or veneer stone applications. The 3 1/2" nailing flange serves as flashing when Grade D building paper or Tilath™ Starter Strips are installed over the flange. Holes are punched into the nailing flange for easy attachment to the wall. Holes are also placed in the "V" stop to provide keying of the stucco mud when wet. As the mud cures, it will shrink slightly away from the "V" stop, allowing moisture to flow down the building paper and exit the sloped "V" stop surface. Foundation weep screed is manufactured in 0.0172-inch galvanized metal and 0.0207-inch zinc alloy. Contact AMICO for availability.

Ground A	Pieces/ bundle	Nailing flange width	Finish	Weight/ bundle	Bundles/ pallet
1/2"	10	3 1/2"	Galvanized Zinc*	32 lbs. 28 lbs.	100
5/8"	10	3 1/2"	Galvanized Zinc*	34 lbs. 30 lbs.	100
7/8"	10	3 1/2"	Galvanized Zinc* Stainless*	36 lbs. 32 lbs. 36 lbs.	100 100 100
1 3/8"	10	3 1/2"	Galvanized Zinc*	41 lbs. 37 lbs.	100
1 1/2"	10	3 1/2"	Galvanized Zinc*	43 lbs. 39 lbs.	100



*Not a stock item. Call for lead time.

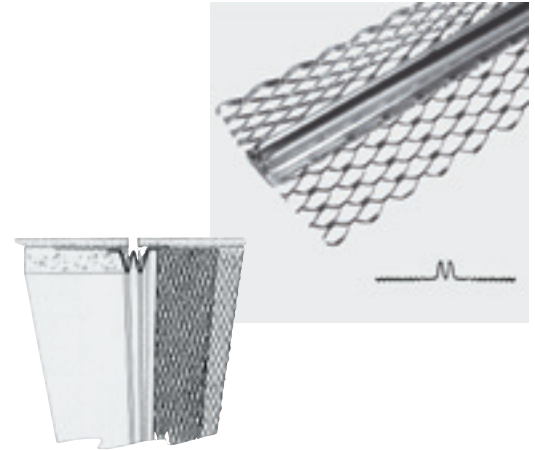
METAL ACCESSORIES

Control Joints versus Expansion Joints

Control Joints (CJ) are 1-piece joints designed to relieve stress and minimize cracking; they accommodate initial stucco shrinkage and minor thermal movement. The Control Joints are required to form membrane panels no larger than 100 sq.ft for ceilings and 144 sq. ft. for walls. **Expansion Joints (EJ)** are 2-piece joints designed to accommodate a full break through the structure across dissimilar surfaces or to deal with some minor structural movement.

AMICO Control Joint (VV or M-Type, #15 Joint) is designed to provide for movement to accommodate expansion and contraction caused by initial stucco shrinkage and minor thermal movement. Produced in galvanized steel and zinc alloy in 10' lengths.

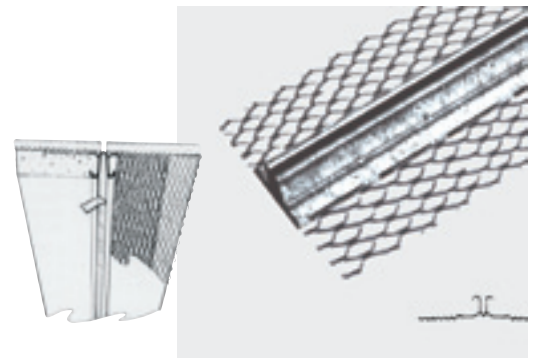
Ground	Pieces/ carton	Finish	Weight/ carton	Cartons/ pallet	Pallet weight
3/8"	24	Galvanized	49 lbs.	20	980 lbs.
		Zinc	45 lbs.	20	900 lbs.
1/2"	24	Galvanized	66 lbs.	20	1320 lbs.
		Zinc	50 lbs.	20	1000 lbs.
5/8"	24	Galvanized	65 lbs.	20	1320 lbs.
		Zinc	58 lbs.	20	1150 lbs.
3/4"	24	Galvanized	71 lbs.	20	1420 lbs.
		Zinc	61 lbs.	20	1220 lbs.
		Stainless	71 lbs.	20	1420 lbs.
7/8"	24	Galvanized	83 lbs.	20	1660 lbs.
		Zinc	71 lbs.	20	1420 lbs.



Griplock J Control Joint (#XJ15 Joint)

is similar to the M Control Joint except the J design provides locking of the stucco to the edge of the joint. This design helps reduce stucco separation at the edge of the joint when stucco is forced under the J flange. Produced in 10' lengths. Griplock J comes pre-taped to ensure a clean joint.

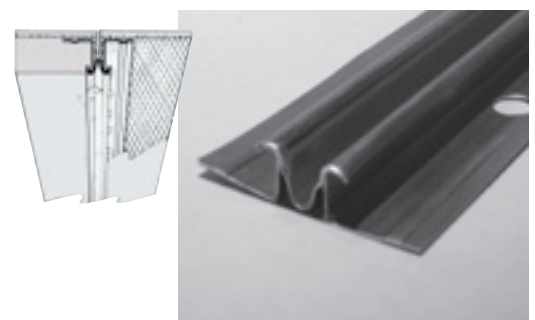
Ground	Pieces/ carton	Finish	Weight/ carton	Cartons/ pallet	Pallet weight
1/2"	24	Galvanized	70 lbs.	20	1400 lbs.
		Zinc	61 lbs.		1220 lbs.
3/4"	24	Galvanized	77 lbs.	20	1540 lbs.
		Zinc	64 lbs.		1280 lbs.
7/8"	24	Galvanized	80 lbs.	20	1600 lbs.
		Zinc	66 lbs.		1320 lbs.



Zinc Control Joint

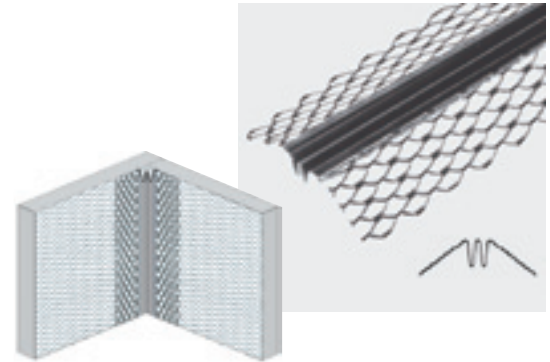
has a solid flange with large holes that aid in the attachment of adjoining metal lath. The improved shoulder design allows for easier stucco embedment and increases holding capacity at the joint to minimize cracking. CJ comes pre-taped to ensure a clean joint. Produced in 10' lengths.

Product #	Grounds	Pieces/ carton	Weight/ carton	Cartons/ pallet	Pallet weight
CJ380	3/8"	25	51 lbs.	20	1020 lbs.
CJ500	1/2"	25	60 lbs.	20	1200 lbs.
CJ750	3/4"	25	66 lbs.	20	1320 lbs.



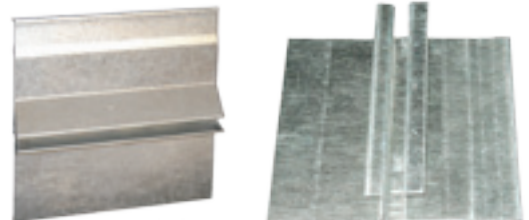
Inside Corner Control Joint (#30 Joint) is similar to the standard M-Type joint, but the flanges are bent to an angle to form inside corners, allowing movement. Produced in galvanized steel or zinc alloy in 10' lengths. Verify availability and lead-time.

Ground	Pieces/carton	Finish	Weight/carton	Cartons/pallet	Pallet weight
1/2"	24	Galvanized Zinc	66 lbs. 50 lbs.	20	1320 lbs. 1000 lbs.
3/4"	24	Galvanized Zinc	71 lbs. 61 lbs.	20	1420 lbs. 1220 lbs.
		Stainless	71 lbs.	20	1420 lbs.
7/8"	24	Galvanized Zinc	83 lbs. 71 lbs.	20	1660 lbs. 1420 lbs.



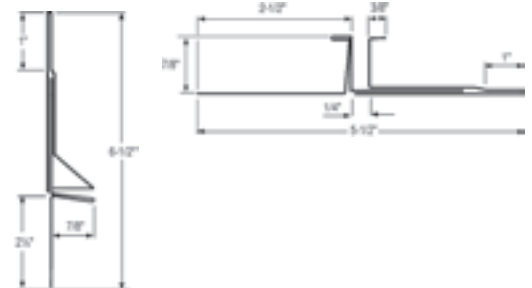
M-Slide™ 2-Piece Expansion Joints (Horizontal and Vertical) are water management accessories that work like the #40 Joint for movement, but improve the flashing and drainage from the area as needed. **The M-Slide™ Horizontal** combines a weep screed design with a larger, solid flange (on bottom) to provide intermediate flashing/drainage at mid-floor expansion. **The M-Slide™ Vertical** utilizes larger flanges and a stiffer design to “pre-set” the vertical joint for proper attachment. Both versions are produced in 0.018-inch, G-90 pre-galvanized steel finish, providing additional protection. The 7/8” grounds will work for both 3/4” and 7/8” hard-coat systems. Produced in 10’ lengths.

Product #	Grounds	Pieces/carton	Weight/carton	Cartons/pallet	Pallet weight
M-Slide-H	7/8"	10	110 lbs.	12	1320 lbs.
M-Slide-V	7/8"	10	88 lbs.	12	1056 lbs.



Horizontal

Vertical



2-Piece Expansion Joint (#40 Joint) is used to accommodate movement both horizontally and vertically caused by expansion and contraction in the structure. Installed at through wall expansion joints or where there is a transition from one type of construction to another such as with CMU to wood or metal framing. The opening in the joint is adjustable from 1/4” to 5/8”. Produced in 10 ft. lengths, 15 pieces and 150 lineal feet per carton. Special order and requires additional lead time.

Grounds	Galvanized Weight per 1000 Lin. Feet	Zinc Weight per 1000 Lin. Feet
1/2"	378 lbs.	352 lbs.
3/4"	408 lbs.	380 lbs.
7/8"	423 lbs.	394 lbs.



INSTALLATION KEY POINTS

These installation key points are based upon acceptable industry practice and ASTM C1063 Standard Specification for Installation of Metal Lath.

Always consult your area building official before beginning any project to familiarize yourself with any local code requirements. This guide should not replace the designs and judgments of a qualified engineer and or architect.

Lath Installation

Permanently attach foundation weep screed to the solid substrate at the bottom of wood or metal framed exterior walls as directed by code. Attach 6" wide Grade D Tilath™ Starter Strip over the weep screed to assure proper ship-lapping of the WRB. Install lath beginning at the bottom right hand corner of the wall. With paper backed lath leave the paper hanging over at the top and to the left of the sheet. The backing is offset on the lath allowing for a minimum 2" paper overlap on one end and one side. The paper is retracted on the opposite end and side. The long dimension of the sheets should always be installed perpendicular to the framing. As properly installed when ones hand is moved in a downward motion it is smooth and rough when moved upward. Lap lath minimum 1/2" at sides and 1" at ends with laps paper to paper and metal to metal. Apply the second sheet to the left of the first sheet lapping lath over lath and paper over paper allowing water to flow to the exterior. Place the third sheet centered above the first two sheets. This staggers the vertical butt joint seams and allows a more uniform dispersal of stress, a similar process to laying brick. Lath is to be furred away from vertical supports in excess of 1-5/8" wide or solid surfaces at least 1/4". AMICO Self-furring dimpled or V-Groove and high-rib lath meets these furring requirements. Finish materials are subject to a maximum span or spacing between framing members. When framing members are set 16" on center sheathing is not mandatory. With sheathing or solid surfaces and framing is 24" on center 2.5lb self-furring lath may be used. Note table on page 3. Shears or metal cutting scissors can be used to notch and cut lath.

Rib Lath Installation – Due to increased possibilities of unacceptable cracking AMICO does not recommend rib lath on vertical surfaces. Rib lath is to be installed with the nose of the V-ribs in direct contact with framing members. Overlap sheets one rib and ends a minimum 1". End to end joints of rib lath to be wire tied at each rib.

Lath Fasteners

Wood Framing – Attach lath to vertical wood framing members with 6d common nails or 1" roofing nails bent over to engage not less than three strands of lath or 1" wire staples with 3/4" crown driven flush with the plaster base. All driven fasteners penetrate framing a minimum of 3/4". When lath is applied over sheathing fasteners shall penetrate the structural members not less than 3/4". Screws to attach lath to horizontal and vertical wood framing shall penetrate framing not less than 5/8" and shall engage not less than three strands of lath. Lath shall be attached to horizontal wood framing members with 1-1/2" roofing nails with a minimum 7/16" diameter head driven flush with the plaster base.

Metal Framing – Lath shall be attached to metal framing members with 0.0475" (18GA) wire ties, clips or by other means of attachment which afford carrying strength and resistance to corrosion equal to or superior to that of the wire. Screws shall penetrate a minimum of 3/8" through metal framing and shall engage not less than three strands of lath.

Concrete – Attach lath to masonry or concrete with power or powder actuated fasteners or hardened concrete stub nails. One fastener attached at each corner and one at the mid-point of the long dimension along the edge of the sheet. Install remaining fasteners in rows not more than 16" on center and vertically spaced rows not more than 7" on center. All fasteners shall be corrosion resistant, not less than 3/4" long, with head diameter not less than 3/8". With Insulated Concrete Forms (ICF) consult the manufacturer.

Rib Lath – 3/8" rib lath shall be attached to horizontal wood framing members with nails or staples with penetration into framing members not less than 1-3/4". Screws shall penetrate wood framing not less than 5/8" and metal framing not less than 3/8" and pass through, but not deforming the rib. Rib lath is attached at each rib along framing members. Rib lath attached to open-web steel joists by single ties of galvanized, annealed steel wire, not less than 0.0475" with the ends of each tie twisted together 1-1/2 times. Rib lath attached to concrete joists with loops of 0.080" galvanized, annealed steel wire, with the ends of each loop twisted together.

Fastener Spacing

Lath – Spacing of rows of nails, staples or screws corresponds to the framing spacing and rows spaced 7" on center vertically. Wire tie lath using 0.0475" (18-GA) wire 9" on center at edges, ends and at laps between framing members. On plywood sheathing only, lath may be nailed or stapled in lieu of tying at the same center 9" spacing. Attach accessories to remain properly aligned during application every 7" o/c with nails, staples or tie wire.

Accessory Fasteners

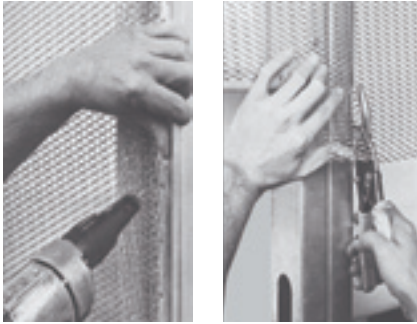
Accessories – Attach weep screed, corner and casing beads with nails, staples or tie wires along the framing member (horizontal or vertical). Wrap lath through external corners with corner bead fastened true and plumb. Casing beads shall terminate finish around doors, windows or other openings. The nose of corner, casing and weep screed can be used as a screed for the stucco brown coat, but must be embedded by 1/8 inch thickness of plaster on the final coat. We recommend the use of zinc, vinyl or stainless steel accessories for all exterior applications. Galvanized fasteners are not to be used with stainless steel lath or accessories. All butt joints should be embedded in sealant and sealed after installation as required.

Expansion and Control Joints – It is difficult to anticipate or prevent plaster cracks; they can be largely controlled by means of 2-piece expansion joints. Expansion Joints permit some degree of movement in the stucco membrane caused by movement of the building or its components thus minimizes damage to the stucco and weather resistive barrier. 1-piece Control Joints shall be installed to minimize stress due to stucco curing and drying shrinkage and minor movement, along predetermined lines and as a screed to aid in stucco thickness control. Walls and ceilings that use lath for the plaster base should be divided into rectangular panels with control joints at least every 18-feet or at the juncture of a dissimilar wall, or in either direction in a length to width ratio of 2½ to 1, or in ceilings exceeding 100 sq. ft. or walls exceeding 144 feet in area. These joints should be installed so the lath is broken underneath the joint and wire tied to the lath to function properly. WRB shall be continuous beneath expansions and control joints.

INSTALLATION DETAIL PHOTOS

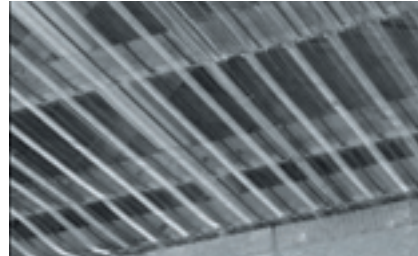
Attachment of Lath to studs

- 1) 7/16" wafer head screws are power driven to allow quick and easy attachment of Diamond Mesh Lath to framing members.
- 2) Diamond Mesh Lath can be cut to size with hand tools.



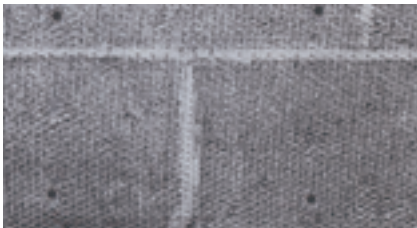
Attachment of Rib Lath to ceilings

- 1) Flat Rib Lath installed horizontally can span up to 19" o/c. 3/8" High Rib Lath is attached with nose of rib in contact with the ceiling joist and spaced at 24" o/c max.



Attachment to solid surfaces

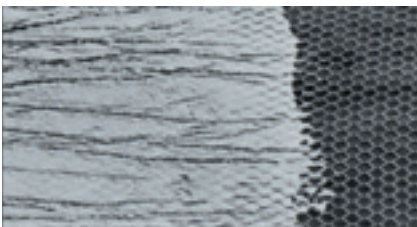
- 1) Self-Furred Diamond Mesh Lath is secured to masonry surfaces with corrosion-resistant, hardened concrete nails, power or powder driven fasteners and stub nails following guidelines per ASTM C1063. Paper backed lath is often used in this type of application as a bond breaker.



- 2) The scratch coat is applied with complete embedment of the self-furred lath in the plaster.



- 3) Scratch coat is fully embedded in the lath and is isolated from supporting structure. Water resistant backing paper allows controlled and uniform curing of this plaster foundation.

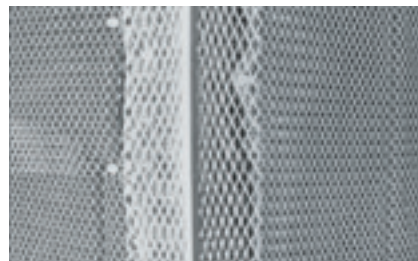


Attachment of trims/joints

- 1) Type "M" Control Joint is installed vertically over the window opening allowing for expansion and contraction.



- 2) AMICO X-1 Corner Bead provides protection for outside corners and a reliable straight ground for screeding.



- 3) X-66 Expanded Casing Bead is typically installed at door and window openings as a plaster stop.



METAL LATH SPECIFICATION

Specification for Metal Lath and Accessories

Section 09 24 00 – Lath and Plaster

Section 04 70 00 – Exterior Stone Cladding

Meets Buy American Procurement

Part 1 General

1.1 SUMMARY

- A. All materials, equipment, and skilled labor to install expanded metal lath and portland cement plaster for [interior] [and] [exterior] applications.

1.2 REFERENCES

- A. ASTM C841 – Standard Specification for Installation of Interior Lathing and Furring
- B. ASTM C847 – Standard Specification for Metal Lath
- C. ASTM C926 – Specification for Application of Portland Cement-Based Plaster
- D. ASTM C1063 – Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster
- E. ICC – International Code Council
- F. Chapter 25 – International Building Code
- G. Federal Specification – UU-B-790a

1.3 SUBMITTALS

- A. Include the manufacturer's certification lath meets or exceeds the specified weights and dimensions per ASTM C847; ICC-ESR report and literature prior to ordering. Provide manufacturer's LEED literature prior to ordering.

1.4 QUALITY ASSURANCE

- A. All pallets and individual bundles shall be identified with the weight of the lath, manufacturer's name, ASTM reference, country of origin and the manufacturer's ICC-ERS Number.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Materials shall be stored indoors in a clean dry location, stacked level, off the ground with proper ventilation. In the event of freight damage, note freight bill and contact manufacturer immediately.
- B. Paper backed metal lath shall be handled to prevent puncture and/or removal of paper.

Part 2 Products

2.1 MATERIALS

- A. MANUFACTURER – Alabama Metal Industries Corporation, AMICO, 3245 Fayette Avenue, Birmingham, AL 35208; Telephone 800-366-2642; www.amico-lath.com
- B. METAL LATH
 1. Expanded Metal Lath – 27-inch x 97-inch with [standard G60 galvanized finish] or [G90 finish by special order] or [Stainless Steel Type 304 or Type 316].
 2. Vertical surfaces – Flat Diamond Mesh; Self-Furred Dimple or

V-Groove Diamond Mesh weighing not less than [2.5] [3.4] pounds per square yard.

3. Horizontal Surfaces – 1/8-inch Flat Rib expanded metal lath weighing not less than [2.75] [3.4] pounds per square yard; or 3/8-inch High Rib lath weighing not less than [3.4] [4.0] pounds per square yard.
4. Paper Backed Lath – AMICO Tilath® factory applied [standard] or [60 minute] Grade D, asphalt saturated paper shall be used as one layer of WRB.

2.2 FASTENERS

- A. All lath shall fasten per ASTM C1063.
- B. Any plaster or stucco installation requiring a combination of metal lathing materials that includes stainless steel shall utilize the appropriate fastener made from stainless steel.

2.3 ACCESSORIES

- A. The accessory ground shall properly permit the specified and consistent plaster thickness.
- B. Lath accessories shall be [zinc alloy] [or] [PVC / vinyl] [or] [galvanized steel] or [stainless steel] with minimum material thicknesses to meet Table 1, ASTM C1063.
- C. Cornalath – Factory shaped internal angle reinforcement with flanges not less than 2-inches.
- D. Striplath – Strips of lath secured diagonally at all corners of lathed openings.
- E. Corner Beads – Factory formed and installed reinforcement at all external corners.
- F. Casing Beads – Isolate all load bearing and non-load bearing members and all thru wall openings.
- G. Foundation Weep Screeds – Install at bottom of all framed exterior walls to receive lath and plaster.
- H. Control Joints – Install 1-piece joints to minimize cracks from stucco shrinkage and drying. Delineate area of walls to no greater than 144 sf. (ceilings no greater than 100sf) with no dimension longer than 18-ft. or a width ratio of 2½ to 1 or at the juncture of a dissimilar wall material or wall or partition high door frames shall be considered as control joints.
- I. Expansion Joints – Install 2-piece joints to permit some movement in the stucco membrane caused by anticipated movement of the structure or its components.

2.4 MOISTURE BARRIER PAPER

- A. Apply 2 layers of Grade D asphalt paper or pre-approved equivalent to the substrate receiving stucco.
- B. Grade D, water-vapor permeable barrier paper; uncreped, not reinforced, and shall be saturated or infused with asphalt on both sides, [standard] [60 minute], per Federal Specification - UU-B-790a, UBC Standard 2510.6.

PART 3 Execution

3.1 EXAMINATION

- A. Verify existing conditions before starting work.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Verify sheathing, when specified, shall have a 1/8-inch gap at all edges of every sheet.

3.2 LATH INSTALLATION – GENERAL GUIDELINES

- A. Lath installation shall meet [ASTM C1063 exterior stucco] [and] [ASTM C841 interior gypsum plaster].
- B. Apply metal lath taut and smooth with long dimension perpendicular to supports.
- C. End joints of lath sheets shall be staggered.
- D. Lap lath paper backing a minimum of 2-inches on all sides of each sheet.
- E. Side and end laps shall occur with paper to paper and metal to metal to ensure full embedment of plaster.
- F. WRB shall be water vapor permeable and free of holes and tears except for those made by fasteners.
- G. Lap lath minimum 1/2-inch at sides and 1-inch at ends.
- H. Lath side and end joints occurring between framing members shall be wire tied a minimum of 9-inches on center.
- I. Exterior plaster shall be applied when the ambient temperature is higher than 40°F.
- J. For the application of portland cement based plaster, maintain an interior temperature above 40°F a minimum of 48 hours prior to, during, and up to occupancy.

3.3 LATH INSTALLATION FOR STRUCTURAL EXTERIOR FRAMED AND SHEATHED VERTICAL SURFACES

- A. AMICO Starter Strip shall be attached after the installation of the foundation weep screed and the first layer of WRB to framing and sheathing. Unroll and attach the 6-inch wide starter strip over the top of the foundation weep screed using small flat head nails or staples.
- B. Attach self-furred metal lath to framing with care to maintain the furring space for maximum plaster embedment.
- C. Lath Fasteners for Vertical Wood Framing
 1. 6d common nails or 1-inch roofing nails shall be driven into wooden framing members not less than 3/4-inch
 2. 1-inch wire staples with 3/4-inch crown driven flush with the plaster base.
 3. Screws used to attach lath to wood framing shall penetrate framing a minimum of 5/8-inch.
 4. Installing lath over sheathing fastener shall penetrate framing a minimum of 3/4-inch.
 5. All fasteners shall engage at least three strands of lath.
 6. Lath shall be attached to vertical framing members spaced no more than 16-inches on center in rows not more than 7-inches on center vertically along the framing members.
- D. Lath Fasteners for Vertical Metal Framing
 1. Screws with 7/16-inch diameter pan wafer head and 0.120-inch shank for attaching lath to metal framing shall penetrate framing not less than 3/8-inch and engage not less than 3 strands of lath.

3.4 LATH INSTALLATION – VERTICAL MASONRY SURFACES

- A. Attach lath to masonry or concrete with a combination of power or powder actuated fasteners or hardened concrete stub nails. One fastener shall be located in each corner and one at midpoint of the long dimension of the sheet. All fasteners shall be corrosion resistant and not less than 3/4-inch long with 3/8-inch diameter heads. Fasteners installed horizontally not more than 16-inches on center and in rows spaced vertically not more than 7-inches on center.

3.5 LATH INSTALLATION – HORIZONTAL SURFACES

- A. Install 1/8-inch flat rib lath to horizontal wooden structural framing members using 1-1/2 inch roofing nails driven flush with the plaster.
- B. Install 3/8-inch high rib lath to horizontal wooden structural framing members with nails or staples penetrating a minimum of 1-3/4 inches. Common nails shall be bent over the rib without deforming the rib.
- C. Attach rib lath to metal framing using screws penetrating framing member a minimum of 3/8-inch. Screws shall pass through the rib without deforming the rib.
- D. Overlap sheets one rib and ends a minimum 1-inch.
- E. Installed nose of rib shall be in direct contact with framing members.
- F. Ceilings furred or suspended construction with [gypsum plaster and larger than 2,500 square feet in area or with any dimension exceeding 50 feet (interior plaster application)] [or] [portland cement-based plaster (exterior stucco application)] must be unrestrained.
- G. Isolate ceiling lath and plaster from ceiling intersecting vertical surfaces with casing beads, control joints, or similar devices designed to keep the ceiling isolated from the adjacent vertical surfaces (walls, partitions, beams, and columns).
- H. Do not use corner reinforcement at the internal angle between the ceiling and the vertical surfaces.

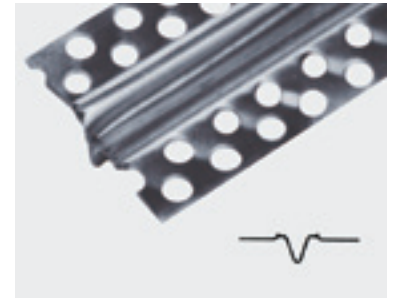
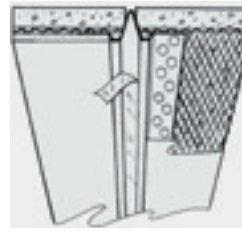
3.6 INSTALLATION OF STUCCO ACCESSORIES

- A. Follow fastening spacing outlined in ASTM C1063 at not greater than 7-inches on center.
- B. Install accessory sections assuring accurate alignment.
- C. Install accessories to ensure a consistent even moisture resistant surface.
- D. The water resistant barrier must continue unbroken. On walls backing shall be lapped permitting moisture flow to the exterior.
- E. It is recommended to install vertical running accessories continuously and horizontally running accessories to abut or break at vertical accessories.
- F. When butting trim accessories, miter inside and outside corners and set in a bed of sealant. Sealant shall be applied at all exterior trim accessory abutment joints, gaps, corners, ends, angles, and intersections at time of installation.

SPECIALTY METAL PRODUCTS

N093 Drywall/DEFS Control Joint is similar to the control joint for veneer finish drywall installations or DEFS applications. It is produced in **zinc alloy only** and comes with a removable tape across the joint to keep joint clean during installation.

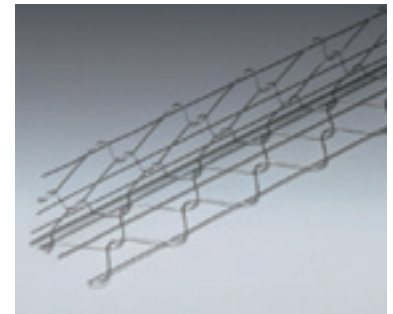
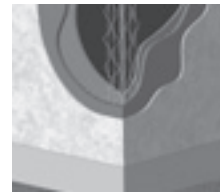
Grounds	Length	Pieces/carton	Weight/carton	Cartons/pallet	Pallet weight
3/32"	10'	25	27 lbs.	20	540 lbs.



Wire Corners provide for rounder corners, embedding all reinforcement. They are manufactured and formed from zinc coated wire and packaged in standard 10' lengths. 8' and 9' lengths can be special ordered. Wire corners are packaged 40 pieces per carton with 24 cartons per pallet.

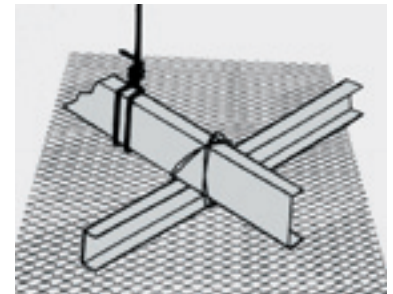
Style	Flange size	Weight/carton
Straight	2.5" x 2.5"	48.0 lbs
Straight BN (7/8")	2.5" x 2.5"	36.8 lbs
Straight 2-wire	2.5" x 2.5"	49.4 lbs
Arch	2.5" x 2.5"	34.0 lbs
Arch BN	2.5" x 1.5"	34.0 lbs

Style	Flange size	Weight/carton
Bullnose	2.5" x 2.5"	48.0 lbs
Bullnose short	2.5" x 1.5"	40.0 lbs
Bullnose 2-wire	2.5" x 2.5"	49.4 lbs
Short Flange	2.5" x 1.5"	48.0 lbs
Short Flange BN (7/8")	2.5" x 1.5"	40.0 lbs



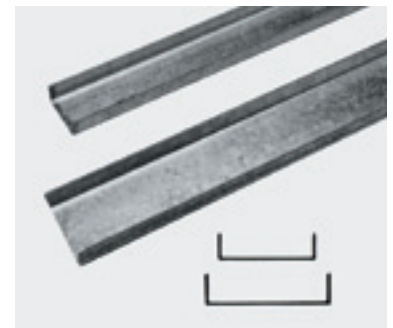
Galvanized Hanger and Tie Wire are used to support CRC gridwork for stucco and acoustical or drywall ceilings. Hanger wire is produced in #8, #9 and #12 gauge galvanized soft annealed steel in 12' lengths. Tie wire is produced in #16 and #18 gauge galvanized soft annealed steel in 28" lengths.

Product	Gauges	Length	Weight/package
Hanger Wire	8, 9, 12	12'	50 lb. hanks
Tie Wire	16, 18	28"	25 lb. hanks



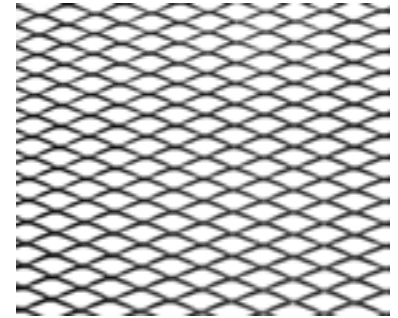
Galvanized Cold Rolled Channel is used to form suspended ceiling grids for lath and plaster applications and for horizontal bridging in steel framing.

Size	Pieces/bundle	Weight/16' piece	Weight/20' piece	Weight/bundle (16')	Weight/bundle (20')
3/4"	20	4.9 lbs.	6.1 lbs.	98 lbs.	122 lbs.
1 1/2"	20	7.7 lbs.	9.6 lbs.	154 lbs.	192 lbs.



Alloy SS304 provides excellent corrosion resistance for specialty lath applications. SS304 Lath can be used over sheathing boards to carry conventional stucco/stone finishes and for external insulation requirements. SS304 Lath is used in coastal environments, near water, where underspray, fireproofing or corrosion protection is desired. **Produced both flat and self-furred (Dimpled).**

Alloy SS316 is used for extreme corrosive environments, around chlorine or pool splash-zones or construction of rock and water formations. It is also a good choice for water and wastewater treatment facilities, high-temperature installations and petrochemical fireproofing. **Produced both flat and self-furred (Dimpled).**

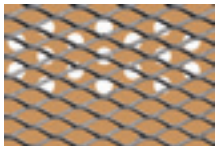


Weight/sq. yard	Alloy	Sheet weight	Nominal sheet size	Sheets/bundle
1.75 lbs.	304 or 316	approx. 3.5 lbs.	27" x 97"	10
2.5 lbs.	304 or 316	approx. 5.00 lbs.	27" x 97"	10
3.4 lbs.	304 or 316	approx. 6.80 lbs.	27" x 97"	10

When stainless steel lath and stainless accessories are installed adjacent to galvanized lath or accessories the two dissimilar materials shall be separated by a non-metallic spacer.

Stainless Steel Lath is not in all AMICO distribution centers. Contact AMICO for availability and shipping.

SECURA LATH® SPEC DATA



Section 09 22 00
Secura Lath Ceiling Penetration
Barrier Meets "Buy American"
Procurement

Finish	Sheet Size	Panel Size	Weight Per Sq. Ft.
Pre-Galvanized	27" x 97"	18.2 sq. ft.	0.83 lbs.

Part 1 General

1.1 SECTION INCLUDES

- A. Supply and install all materials required for a complete in-place security lath structural base for Portland cement stucco or high strength gypsum plaster and all complimentary accessories.

1.3 REFERENCES

- A. ASTM A1011 Standard Specification for Steel
- B. ASTM F1267 Standard Specification for Metal, Expanded, Steel
- C. AMICO Secura Lath Installation Guidelines

1.4 QUALITY ASSURANCE

- A. The contractor must have documented experience with the construction methods involved with plaster and stucco installations on ceilings.

Part 2 Products

2.1 MANUFACTURER

- A. Physical penetration barrier for plaster applications shall conform to ASL .50-16R as manufactured and specified by Alabama Metal Industries Corporation (AMICO), 3245 Fayette Avenue; Birmingham, AL 35208; Telephone 800-366-2642; ask Sales for Security Products. www.amicosecurityproducts.com/lath.htm

2.2 MATERIALS

- A. The security ceiling lathing system shall comply with AMICO ASL .50-16R Secura Lath.

2.3 FINISH

- A. Pre-Galvanized Finish – for standard installations lathing mesh shall be pregalvanized prior to expanding and the factory applied paper backing.
- B. Perforated Kraft paper shall be vinyl coated one side and factory attached to the metal lathing.

Part 3 Execution

3.1 INSTALLATION

- A. Installation shall follow the AMICO Secura Lath Installation Guidelines to the letter.
- B. Installation and lay-out of the job shall be approved by the owner or general contractor prior to installation.

SECURITY MESH™ SYSTEM

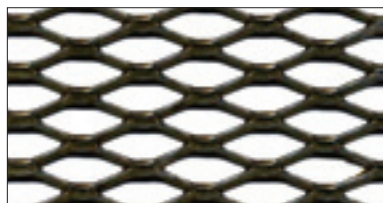
AMICO Security Mesh™ is a steel mesh panel used as a penetration barrier behind drywall finishes. Security Mesh (ASM) is attached to metal or wood framing members in walls and ceilings using AMICO Secura Clips™ in lieu of washers or welding to stud framing. AMICO Clips position the fastener at the surface of the mesh eliminating noticeable humps and bumps in the finish.



**ASM .75-9F
Heavy Modified**
Super Max Security for Industrial and Homeland Security applications



ASM .75-9F
Maximum Security



ASM .50-13F
Maximum Security



ASM 1.5-9F
Medium Security



ASM .75-13F
Medium Security



ASM 1.0-16F
Minimum Security

Specified and Approved by Federal Agencies for new and retrofit applications.

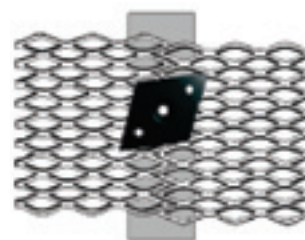
AMICO Security Mesh	Weight per sq. ft.	Overall Thickness	Percent Open Area
ASM .75-9F (HM)	2.38 lbs.	.140"	63%
ASM .75-9F	1.71 lbs.	.120"	63%
ASM .50-13F	1.40 lbs.	.070"	57%
ASM 1.5-9F	1.11 lbs.	.110"	77%
ASM .75-13F	.75 lbs.	.070"	73%
ASM 1.0-16F*	.41 lbs.	.048"	77%

Tolerances: SWD = 0 + 1/4" per foot of dimension
LWD = 0 + 1/4" per foot of dimension

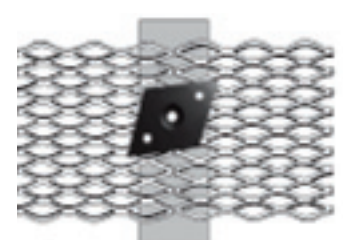
Stock sizes: 4' x 8' 5' x 8' 6' x 8'
 4' x 10' 5' x 10' 6' x 10'

*4' x 8' panels only

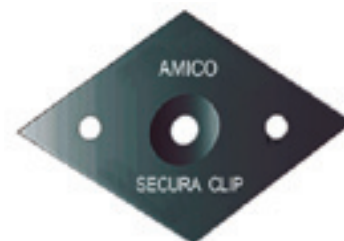
AMICO Secura Clips™ make any installation more secure by improving the holding power over standard drywall screws by 68%. Attach clips at a minimum of 12" on center per framing member. Panels may be staggered or butted, and must join on a framing member. Any mesh joints between framing members shall be wire tied using 0.0475" tie wire. Secura Clips are shipped 300 clips per carton.



Panels Butted and Staggered



Panels Butted



SECURITY MESH™ SPECIFICATION

Section 09 29 00

Drywall Penetration Barrier

Security Mesh

Meets “Buy American” Procurement

Part 1 General

1.1 SECTION INCLUDES

- A. Supply and install steel expanded metal panels as a penetration barrier behind gypsum [wall] and or [ceilings] using Secura Clips.

1.2 SYSTEM DESCRIPTION

- A. Security Mesh shall be made from a sheet of steel that is simultaneously slit and stretched into a rigid, open mesh diamond making one continuous sheet that cannot unravel. The finished shape of the mesh openings shall be a flattened diamond. Conventional expanded metal not manufactured specifically for security purposes is NOT acceptable for this use.

1.3 REFERENCES

- A. ASTM A1011 Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High Strength Low Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
- B. ASTM F1267 Standard Specification for Metal, Expanded, Steel
- C. ASTM A123 Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products

1.4 QUALITY ASSURANCE

- A. Materials shall meet the requirements of “Buy American” domestic requirements.

1.5 SUBMITTAL

- A. Letter Underwriters Laboratories Fire Rated Assemblies letter; (per U/L subject File #1857). The use of Security Mesh will not jeopardize a fire rated assembly.

1.6 STORAGE AND HANDLING

- A. Materials shall be protected from damage by weather, vandalism, and theft.

Part 2 Products

2.1 MANUFACTURER

- A. The behind the drywall penetration barrier system shall conform to Security Mesh™ for installation in [walls] [and] [ceilings] using Secura Clips as manufactured by ALABAMA METAL INDUSTRIES CORPORATION, (AMICO), 3245 Fayette Avenue; Birmingham, AL 35208; Telephone 800-366-2642; ask Sales for Security Products.

2.2 PANEL STYLE - Select and delete unused styles

- A. Maximum Security - ASM .75–9F, ASM .50–13F, and ASM .75–9F Heavy Modified
- B. Medium Security - ASM 1.5–9F and ASM .75–13F
- C. Minimum Security - ASM .75–16F and ASM 1.0–16F

2.3 AMICO SECURA CLIPS

- A. Security Mesh shall be attached to framing members using AMICO Secura Clips and the appropriate threaded fasteners.
- B. For steel framing install a flat head bugle type self-tapping fine thread screw long enough to penetrate the framing member a minimum of 3/8-inch.
- C. For wood framing applications install using fine thread drywall screws allowing the fasteners to penetrate the framing member at least 1-1/4 inches.
- D. Secura Clip spacing shall be a minimum of [12] [6] inches vertically per framing member.
- E. In ceiling applications Secura Clips shall be spaced a minimum of [12] [6] inches along ceiling joists.

2.4 FINISH

- A. Security Mesh is supplied “mill finish” HR P&O.
- B. Security Mesh with hot dip galvanized finish.

Part 3 Execution

3.1 PREPARATION

- A. Installation and layout of the job shall be approved by the owner or general contractor prior to installation.
- B. It is recommended framing members be no less than 20GA.

3.2 INSTALLATION

- A. Security Mesh panels may be installed with diamonds running in either direction.
- B. Panels are flattened by a rolling process and panels are not square. Manufacturing tolerances are to be considered.
- C. AMICO Secura Clips shall be installed to secure the mesh to the framing members prior to the installation of drywall finish.
- D. Mesh joints occurring on framing members may either join staggered or butt together. It is acceptable to overlap mesh joints with owner’s approval.
- E. Panels should join, begin and terminate on a framing member. Panels not joining on framing member shall be wire tied with 18GA steel tie wire. Wire tying shall be no less frequent than the installation of Secura Clips.

3.3 CLEANING

- A. The contractor shall be responsible to clean up the jobsite of any unused materials and trash.

UNITED STATES

Birmingham, AL
800-366-2642

Charlotte, NC
800-438-4467

Chicago, IL
800-238-0322

Dayton, TX
800-622-5765

Denver, CO
800-425-5558

Fontana, CA
800-962-0100

Houston, TX
800-433-9945

Lafayette, LA
800-326-8842

Lakeland, FL
800-487-2511

Orem, UT
800-645-0340

Rochester, NY
800-627-4700

Seattle, WA
800-859-5363

Visalia, CA
800-642-4334

Wilmington, DE
800-476-4430

CANADA

Burlington, ON
800-663-4474

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855-724-7283

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