

Security Mesh™ and Secura Clips the behind the drywall penetration barrier

Project Submittals as manufactured by
ALABAMA METAL INDUSTRIES CORPORATION

Submittal Date:

Contract Number:

Project Name:

Section Number:

Contractor's Name:

All information contained herein is accurate as known at the time of publication. Specifications may change and AMICO reserves the right to change product specifications without notice and without incurring obligations.

ALABAMA METAL INDUSTRIES CORPORATION

3245 Fayette Avenue ♦ Birmingham, AL 35208 ♦ Telephone 800/366-2642 ♦ Facsimile 205/786-6527
email fmayer@gibraltar1.com



SECURITY MESH by AMICO

The following is a short list of retail companies that specify and depend on THE SECURITY MESH™ SYSTEM as a penetration barrier in partition walls. The AMICO System is used to secure people and property from unwanted intrusion.

- | | | | |
|-----|-----------------------------------|-----|------------------------|
| 1. | Amsouth Bank | 21. | Marshalls |
| 2. | AT&T | 22. | Parts City |
| 3. | Babies R Us | 23. | Pep Boys |
| 4. | Bank of America | 24. | Petco |
| 5. | Bank One | 25. | Nations Bank |
| 6. | Bank of Texas | 26. | Neiman Marcus |
| 7. | Barnes & Noble | 27. | Quest Communications |
| 8. | Bed Bath & Beyond | 28. | Regions Bank |
| 9. | Best Buy | 29. | Saks Incorporated |
| 10. | Border Books | 30. | Sears |
| 11. | Cartier | 31. | T Mobile |
| 12. | Chase Manhattan Bank | 32. | T.J. Max |
| 13. | Compass Bank | 33. | Telstar Communications |
| 14. | CVS Pharmacy & Warehouse | 34. | Third World Bank |
| 15. | Federal Reserve | 35. | Tiffany & Company |
| 16. | Harley Davidson Stores of America | 36. | Toys R Us |
| 17. | Helzberg Diamonds | 37. | Verizon |
| 18. | Home Depot | 38. | VISA |
| 19. | Kay-Bee Toys | 39. | Walgreens |
| 20. | Key Bank | 40. | Wal-Mart |



Security Mesh and Secura Clips are sold as a system

Since it was introduced in 1989 Security Mesh is now specified in virtually all federal, state and local Government buildings. This covers both offices and correction facilities. Security Mesh is specified by Homeland Security, the FBI, ATF, Treasury Department and the Department of Defense. Security Mesh is everywhere. Look for it on plans, ask your drywall contractors to bid the AMICO Security Mesh System.

For pricing and availability on Security Mesh and Secura Clips contact:

securitymesh@gibraltar1.com

AMICO SECURA CLIPS ARE PATENTED IN THE UNITED STATES AND CANADA



PART 1 GENERAL

1.01 SCOPE OF WORK

Supply and install steel expanded mesh panels as a penetration barrier behind wall board using the manufacturers' recommended method of installation.

1.02 SYSTEM DESCRIPTION

As manufactured by Alabama Metal Industries Corporation, (AMICO), Security Mesh shall be made from a sheet of steel that is simultaneously slit and stretched into a rigid and open 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.** Security Mesh shall be attached to framing members by using AMICO Secura Clips following the manufacturers recommended spacing.

1.03 REFERENCES

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials and shall be certified Security Mesh per ASTM F1267, Type 2, Class 1 mill finish.

Underwriters Laboratories Fire Rated Assemblies (per U/L subject File #1857) will not be jeopardized by using AMICO's Security Mesh in the fire rated assembly.

1.04 SUBMITTAL

The manufacturers' submittal information shall include brochures, details and specifications and samples if requested prior to ordering.

1.05 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

PART 2 MATERIALS

2.01 MANUFACTURER

ALABAMA METAL INDUSTRIES CORPORATION, (AMICO),
3245 Fayette Avenue ♦ Birmingham, AL 35208
Telephone for sales 800/366-2642 Technical 205/783-6224 ♦
Facsimile 205/786-6527 ♦ www.amico-securityproducts.com

2.02 MATERIALS

A. AMICO SECURITY MESH – ASM .75 –9F MAXIMUM SECURITY
The Security Mesh used shall conform to the following specification:

- Carbon steel – meet or exceed ASTM A-1011
- 1. Width of panel – 4 ft. (Also produced in 5ft. & 6ft. widths)
- 2. Length of panel – 8 ft (Also produced in 10ft & 12ft lengths)
- 3. Mesh diamond width – 0.923 inch x 2.120 inch long bond to bond with 13 diamonds per foot
- 4. Mesh size opening – width 0.563 inch x 1.688 inch long allowing 63% open area
- 5. Mesh strand width – 0.164 inch
- 6. Mesh strand thickness – 0.120 inch
- 7. Weight – 1.71 pounds per square foot
- 8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

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

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

**ASM .75-9F
Maximum Security**



Secura Clips and the appropriate threaded fasteners. Welding is an acceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

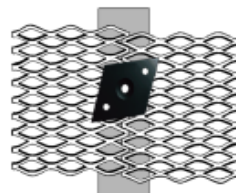
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

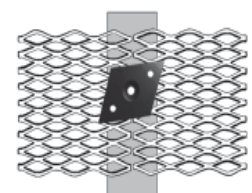
PART 3 EXECUTION

3.01 INSTALLATION

Framing members should be no less than 20GA. Security Mesh panels may be installed with diamonds running in either direction. It is preferred to have mesh joints either join staggered as in detail "A" or butt together as in detail "B". It is also acceptable to overlap mesh joints with owner's prior written approval. Panels shall join on framing members. If panels butt in between framing members, in any direction, adjoining panels shall be tied with 18GA tie wire at the same frequency as clips or welding.



Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

1.01 SCOPE OF WORK

Supply and install steel expanded mesh panels as a penetration barrier behind wall board using the manufacturers' recommended method of installation.

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1.03 REFERENCES

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials and shall be certified Security Mesh per ASTM F1267, Type 2, Class 1 mill finish.

Underwriters Laboratories Fire Rated Assemblies (per U/L subject File #1857) will not be jeopardized by using AMICO's Security Mesh in the fire rated assembly.

1.04 SUBMITTAL

The manufacturers' submittal information shall include brochures, details and specifications and samples if requested prior to ordering.

1.05 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

PART 2 MATERIALS

2.01 MANUFACTURER

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Telephone for sales 800/366-2642 Technical 205/783-6224 ♦
Facsimile 205/786-6527 ♦ www.amico-securityproducts.com

2.02 MATERIAL

A. AMICO SECURITY MESH – ASM .75-9F HEAVY

The Security Mesh used shall conform to the following specification:
Carbon steel – meet or exceed ASTM A-1011

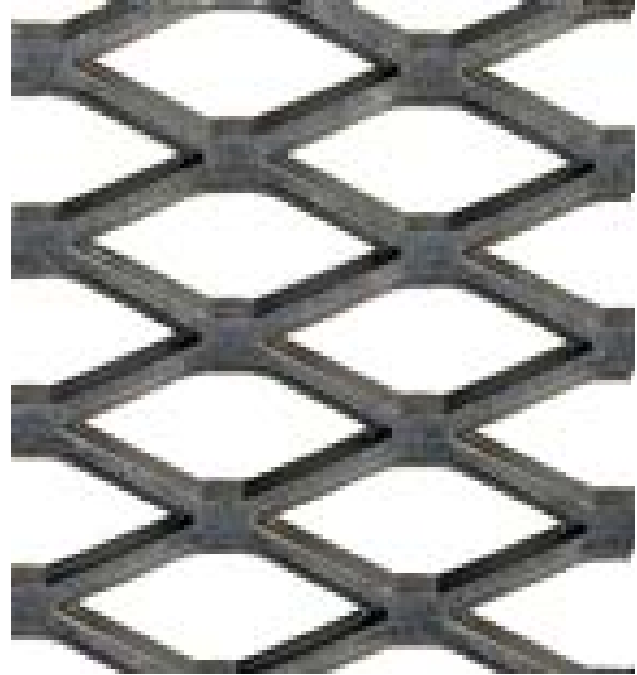
1. Width of panel – 4 ft. (Also produced in 5ft. & 6ft. widths)
2. Length of panel – 8 ft (Also produced in 10ft & 12ft lengths)
3. Mesh diamond width – 0.923 inch x 2.120 inch long bond to bond 13 with diamonds per lineal foot
4. Mesh size opening – width 0.563" inch x 1.688" inch long allowing 63 % open area
5. Mesh strand width - 0.164 inch
6. Mesh strand thickness – 0.140 inch
7. Weight – 2.38 pounds per square foot
8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™
ASM .75-9F HEAVY
Super Maximum Security



Secura Clips and the appropriate threaded fasteners. Welding is an unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

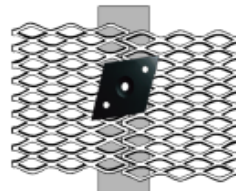
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

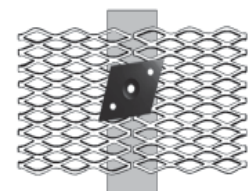
PART 3 EXECUTION

3.01 INSTALLATION

Framing members should be no less than 20GA. Security Mesh panels may be installed with diamonds running in either direction. It is preferred to have mesh joints either join staggered as in detail "A" or butt together as in detail "B". It is also acceptable to overlap mesh joints with owner's prior written approval. Panels shall join on framing members. If panels butt in between framing members, in any direction, adjoining panels shall be tied with 18GA tie wire at the same frequency as clips or welding.



Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

1.01 SCOPE OF WORK

Supply and install steel expanded mesh panels as a penetration barrier behind wall board using the manufacturers' recommended method of installation.

1.02 SYSTEM DESCRIPTION

As manufactured by Alabama Metal Industries Corporation, (AMICO), Security Mesh shall be made from a sheet of steel that is simultaneously slit and stretched into a rigid and open 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.** Security Mesh shall be attached to framing members by using AMICO Secura Clips following the manufacturers recommended spacing.

1.03 REFERENCES

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials and shall be certified Security Mesh per ASTM F1267, Type 2, Class 1 mill finish.

Underwriters Laboratories Fire Rated Assemblies (per U/L subject File #1857) will not be jeopardized by using AMICO's Security Mesh in the fire rated assembly.

1.04 SUBMITTAL

The manufacturers' submittal information shall include brochures, details and specifications and samples if requested prior to ordering.

1.05 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

PART 2 MATERIALS

2.01 MANUFACTURER

ALABAMA METAL INDUSTRIES CORPORATION, (AMICO),
3245 Fayette Avenue ♦ Birmingham, AL 35208
Telephone for sales 800/366-2642 Technical 205/783-6224 ♦
Facsimile 205/786-6527 ♦ www.amico-securityproducts.com

2.02 MATERIALS

A. AMICO SECURITY MESH – ASM .50 – 13F

The Security Mesh used shall conform to the following specification:
Carbon steel – meet or exceed ASTM A-1011

1. Width of panel – 4 ft. (Also produced in 5ft. & 6ft. widths)
2. Length of panel – 8 ft (Also produced in 10ft & 12ft lengths)
3. Mesh diamond width – 0.500 inch x 1.260 inch long bond to bond with 24 diamonds per lineal foot
4. Mesh size opening – width 0.250 inch x 1.000 inch long allowing 57% open area
5. Mesh strand width - 0.122 inch
6. Mesh strand thickness – 0.070 inch
7. Weight – 1.40 pounds per square foot
8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

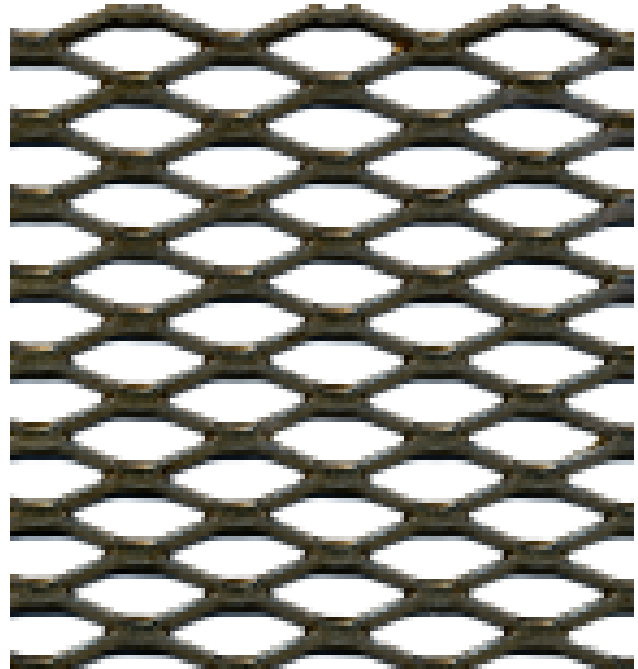
Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

ASM .50-13F
Maximum Security



Secura Clips and the appropriate threaded fasteners. Welding is an unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

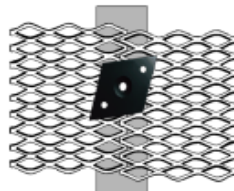
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

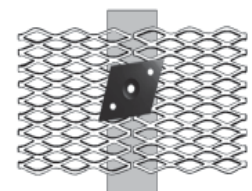
PART 3 EXECUTION

3.01 INSTALLATION

Framing members should be no less than 20GA. Security Mesh panels may be installed with diamonds running in either direction. It is preferred to have mesh joints either join staggered as in detail "A" or butt together as in detail "B". It is also acceptable to overlap mesh joints with owner's prior written approval. Panels shall join on framing members. If panels butt in between framing members, in any direction, adjoining panels shall be tied with 18GA tie wire at the same frequency as clips or welding.



Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

1.01 SCOPE OF WORK

Supply and install steel expanded mesh panels as a penetration barrier behind wall board using the manufacturers' recommended method of installation.

1.02 SYSTEM DESCRIPTION

As manufactured by Alabama Metal Industries Corporation, (AMICO), Security Mesh shall be made from a sheet of steel that is simultaneously slit and stretched into a rigid and open 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.** Security Mesh shall be attached to framing members by using AMICO Secura Clips following the manufacturers recommended spacing.

1.03 REFERENCES

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials and shall be certified Security Mesh per ASTM F1267, Type 2, Class 1 mill finish.

Underwriters Laboratories Fire Rated Assemblies (per U/L subject File #1857) will not be jeopardized by using AMICO's Security Mesh in the fire rated assembly.

1.04 SUBMITTAL

The manufacturers' submittal information shall include brochures, details and specifications and samples if requested prior to ordering.

1.05 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

PART 2 MATERIALS

2.01 MANUFACTURER

ALABAMA METAL INDUSTRIES CORPORATION, (AMICO),
3245 Fayette Avenue ♦ Birmingham, AL 35208
Telephone for sales 800/366-2642 Technical 205/783-6224 ♦
Facsimile 205/786-6527 ♦ www.amico-securityproducts.com

2.02 MATERIALS

A. AMICO SECURITY MESH – ASM 1.5-9F

The Security Mesh used shall conform to the following specification:

- Carbon steel – meet or exceed ASTMA-1011
- 1. Width of panel – 4 ft. (Also produced in 5ft. & 6ft. widths)
- 2. Length of panel – 8 ft (Also produced in 12ft lengths)
- 3. Mesh diamond width – 1.330 inch x 3.200 inch long bond to bond with 9 diamonds per lineal foot
- 4. Mesh size opening – width 1.000 inch x 2.563 inch long allowing 77% open area
- 5. Mesh strand width - 0.175 inch
- 6. Mesh strand thickness – 0.110 inch
- 7. Weight – 1.11 pounds per square foot
- 8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

**ASM 1.5-9F
Medium Security**



Secura Clips and the appropriate threaded fasteners. Welding is an unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

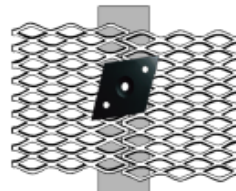
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

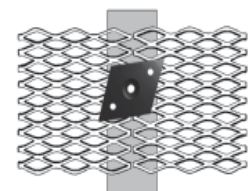
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Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

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2.02 MATERIAL

A. AMICO SECURITY MESH – ASM .75-13F

The Security Mesh used shall conform to the following specification:
Carbon steel – meet or exceed ASTMA-1011

1. Width of panel – 4 ft. (Also produced in 5ft. & 6ft. widths)
2. Length of panel – 8 ft (Also produced in 10ft & 12ft lengths)
3. Mesh diamond width – 0.920 inch x 2.100 inch long bond to bond 13 with diamonds per lineal foot
4. Mesh size opening – width 0.688 inch x 1.782 inch long allowing 73% open area
5. Mesh strand width - 0.119 inch
6. Mesh strand thickness – 0.070 inch
7. Weight – 0.75pounds per square foot
8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

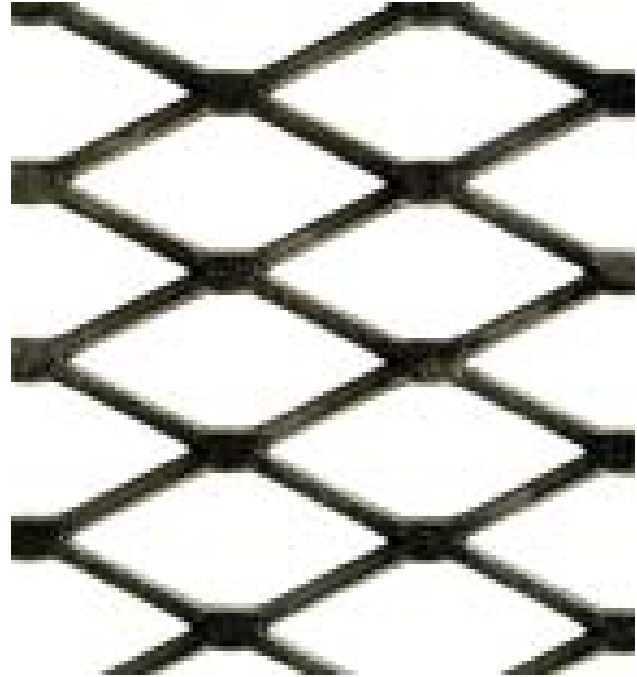
Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

**ASM .75-13F
Medium Security**



Secura Clips and the appropriate threaded fasteners. Welding is unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

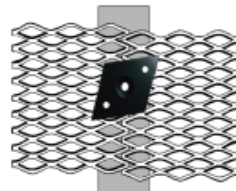
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

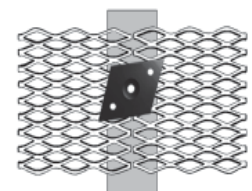
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Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

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2.02 MATERIAL

A. AMICO SECURITY MESH – ASM .75-16F

The Security Mesh used shall conform to the following specification:
Carbon steel – meet or exceed ASTMA-1011

1. Width of panel – 4 ft.
2. Length of panel – 8 ft
3. Mesh diamond width – .923 inch x 2.100 inch long bond to bond 13 with diamonds per lineal foot
4. Mesh size opening – width 0.750 inch x 1.750 inch long allowing 75 % open area
5. Mesh strand width - 0.115 inch
6. Mesh strand thickness – 0.048 inch
7. Weight – 0.51 pounds per square foot
8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

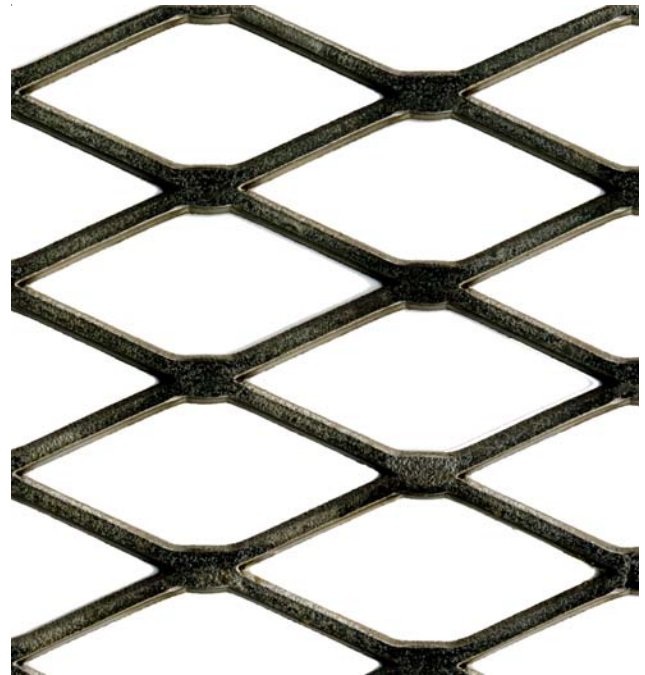
Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

**ASM .75-16F
Minimum Security**



Secura Clips and the appropriate threaded fasteners. Welding is an unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

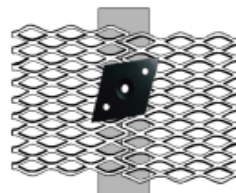
C. FINISH

Security Mesh is supplied "mill finish" HR P&O. No sealers or galvanizing is required for typical applications. In some very unique situations stainless steel Security Mesh is supplied. For information concerning applications where stainless steel may be advantageous please call 800/366-2642 x 6224.

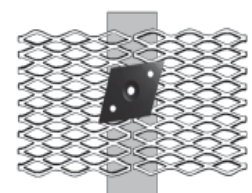
PART 3 EXECUTION

3.01 INSTALLATION

Framing members should be no less than 20GA. Security Mesh panels may be installed with diamonds running in either direction. It is preferred to have mesh joints either join staggered as in detail "A" or butt together as in detail "B". It is also acceptable to overlap mesh joints with owner's prior written approval. Panels shall join on framing members. If panels butt in between framing members, in any direction, adjoining panels shall be tied with 18GA tie wire at the same frequency as clips or welding.



Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints



PART 1 GENERAL

1.01 SCOPE OF WORK

Supply and install steel expanded mesh panels as a penetration barrier behind wall board using the manufacturers' recommended method of installation.

1.02 SYSTEM DESCRIPTION

As manufactured by Alabama Metal Industries Corporation, (AMICO), Security Mesh shall be made from a sheet of steel that is simultaneously slit and stretched into a rigid and open 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.** Security Mesh shall be attached to framing members by using AMICO Secura Clips following the manufacturers recommended spacing.

1.03 REFERENCES

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials and shall be certified Security Mesh per ASTM F1267, Type 2, Class 1 mill finish.

Underwriters Laboratories Fire Rated Assemblies (per U/L subject File #1857) will not be jeopardized by using AMICO's Security Mesh in the fire rated assembly.

1.04 SUBMITTAL

The manufacturers' submittal information shall include brochures, details and specifications and samples if requested prior to ordering.

1.05 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

PART 2 MATERIALS

2.01 MANUFACTURER

ALABAMA METAL INDUSTRIES CORPORATION, (AMICO),
3245 Fayette Avenue ♦ Birmingham, AL 35208
Telephone for sales 800/366-2642 Technical 205/783-6224 ♦
Facsimile 205/786-6527 ♦ www.amico-securityproducts.com

2.02 MATERIAL

A. AMICO SECURITY MESH – ASM 1.0-16F

The Security Mesh used shall conform to the following specification:

Carbon steel – meet or exceed ASTMA-1011

1. Width of panel – 4 ft.
2. Length of panel – 8 ft
3. Mesh diamond width – 1.090 inch x 2.560 inch long bond to bond 11 with diamonds per lineal foot
4. Mesh size opening – width 0.875 inch x 2.250 inch long allowing 77 % open area
5. Mesh strand width - 0.115 inch
6. Mesh strand thickness – 0.048 inch
7. Weight – 0.41 pounds per square foot
8. Security Mesh is produced by Alabama Metal Industries Corporation, (AMICO).

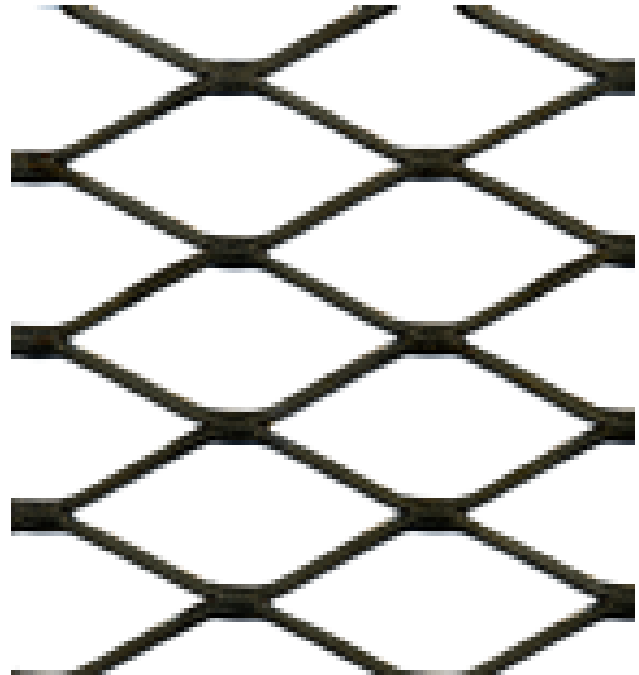
Tolerances: SWD = -0 + ¼" per foot of dimension
LWD = -0 + ¼" per foot of dimension

B. AMICO SECURA CLIPS

Security Mesh shall be attached to framing members using AMICO

SECURITY MESH™

**ASM 1.0-16F
Minimum Security**



Secura Clips and the appropriate threaded fasteners. Welding is an unacceptable means of attachment. Flat bugle head self-tapping screws long enough to penetrate steel framing by at least 3/8-inch. For wood framing applications use 1-5/8-inch fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1/2 inches. Install Secura Clips, at a minimum, on 12-inch centers per framing member. Secura Clips are the manufacturer's preferred method of securing mesh panels to framing.

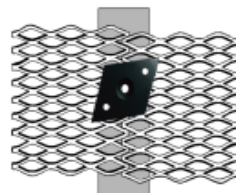
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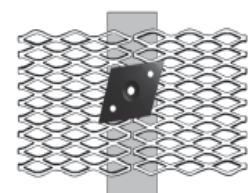
PART 3 EXECUTION

3.01 INSTALLATION

Framing members should be no less than 20GA. Security Mesh panels may be installed with diamonds running in either direction. It is preferred to have mesh joints either join staggered as in detail "A" or butt together as in detail "B". It is also acceptable to overlap mesh joints with owner's prior written approval. Panels shall join on framing members. If panels butt in between framing members, in any direction, adjoining panels shall be tied with 18GA tie wire at the same frequency as clips or welding.



Detail "A" - Panels Staggered



Detail "B" - Panels Butt Joints

Standard Installations for...

SECURITY MESH™ and SECURA CLIP APPLICATIONS “the behind the drywall penetration barrier”

Specify minimum 20GA framing members. For standard security install Secura Clips 12 inches vertically on each stud or ceiling joist. Use self tapping, bugle head tek screws that penetrate the framing member by a minimum of 3/8-inch. AMICO Security Mesh™ is installed directly to framing using Secura Clips.



Security Mesh can be cut using: a circular saw with a carbide tip blade; commercial nibbler; or a hand held grinding wheel.

For specific installation questions contact Fred Mayer 205/783-6224 or 800/366-2642 extension 6224.

AMICO
ALABAMA METAL INDUSTRIES CORPORATION
3245 Fayette Avenue
Birmingham, AL 35208
800/366-2642 Fax 205/786-6527
www.amico-securityproducts.com



Maximum Security Installations for...

SECURITY MESH™ and SECURA CLIP APPLICATIONS

“the behind the drywall penetration barrier”

For maximum security installations framing members heavier than 20GA should be considered. Framing members for both walls and ceilings should be spaced on 6-inch centers. Secura Clip spacing should also be tightened up to 6-in. vertically on each framing member. Use self tapping, bugle head tek screws that penetrate the framing member by a minimum of 3/8-inch. AMICO Security Mesh™ is installed directly to framing using Secura Clips.



Security Mesh can be cut using: a circular saw with a carbide tip blade; commercial nibbler; or a hand held grinding wheel.

For specific installation questions contact Fred Mayer 205/783-6224 or 800/366-2642 extension 6224.

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AMICO *Secura Clip Spacing Guideline*

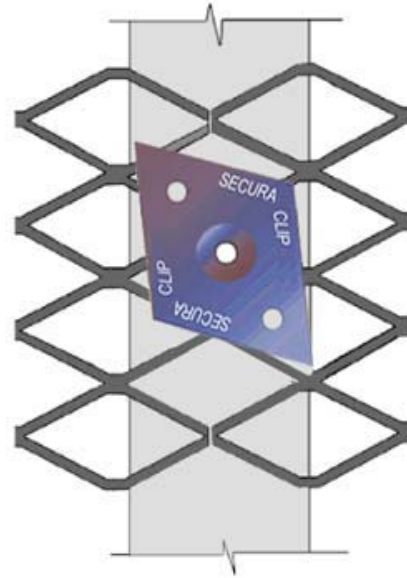
Security Mesh™
Wall Penetration Barrier

Stud Spacing 24"

16 Clips per 4' x 8" panel
Clips spaced 12" vertically
50 Clips per 100 sf

Stud Spacing 16"

24 Clips per 4' x 8" panel
Clips spaced 12" vertically
75 Clips per 100 sf



One box contains 300 Secura Clips and weighs 3.5 lbs. per box

Steel Stud Installations - Use self-tapping bugle head screws

Wood Stud Installations - Use standard drywall screws

Screws not included with clips



AMICO Secura Clips make our Security Mesh more secure. Secura Clips will increase the holding strength to 68% over standard fasteners alone. Eliminate Job site welding.



ALABAMA METAL INDUSTRIES CORPORATION

3245 Fayette Avenue • Birmingham, AL 35208
800/366-2642 • Fax 205/786-6527

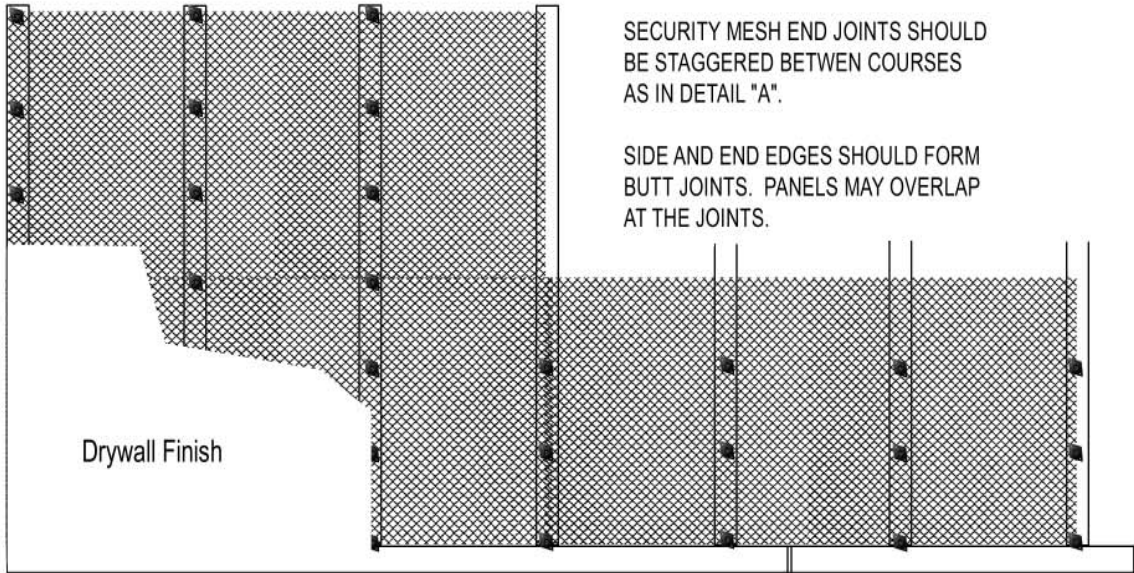


Alabama Metal Industries Corporation
January 2012



SECURITY MESH™ JOINING DETAIL

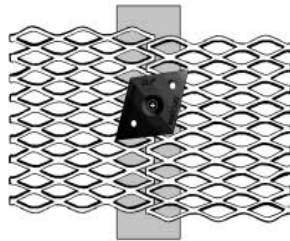
IT IS RECOMMENDED TO INSTALL THE LONG DIMENSION OF THE MESH PANELS PERPENDICULAR TO THE STUDS.



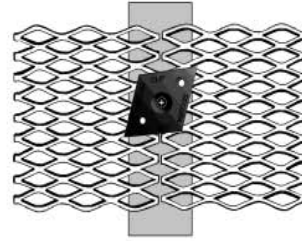
SECURITY MESH END JOINTS SHOULD BE STAGGERED BETWEEN COURSES AS IN DETAIL "A".

SIDE AND END EDGES SHOULD FORM BUTT JOINTS. PANELS MAY OVERLAP AT THE JOINTS.

Preferred Method of Joining Panels
Staggering Panels
Detail "A"



Alternate Method of Joining Panels
Detail "B"



Methods of Joining and Attaching Security Mesh™ to Framing Members.



Steel Framing Applications-
Secura Clips are fastened to steel framing members with self-tapping bugle head screws.

Wood Framing Applications-
Secura Clips are fastened to wood framing members with drywall screws.



Project Name

Date 1-1-2012

Drawing 2

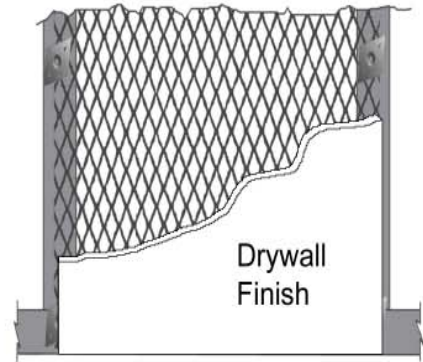
AMICO SECURITY MESH JOINING DETAIL

Manufactured By

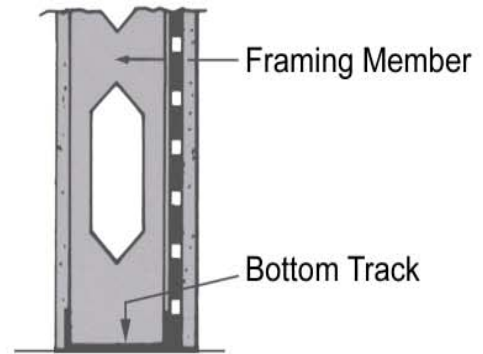
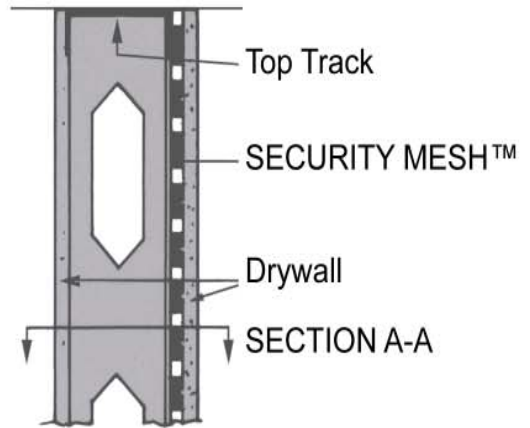
ALABAMA METAL INDUSTRIES CORP.
3245 Fayette Avenue
Birmingham, AL 35208
800/366-2642
Fax 205/786-6527



SECURITY MESH™ WALL SECTION DETAIL

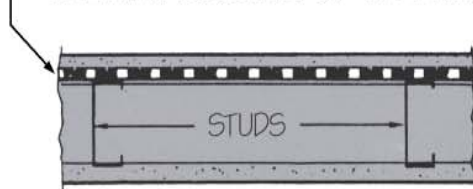


TYPICAL WALL
ELEVATION



TYPICAL WALL
SECTION

SECURITY MESH IS INSTALLED ON
THE ATTACK SIDE OF THE WALL



SECTION A-A

Project Name	Date 1-1-2012
	Drawing 3

SECURITY MESH™ TYPICAL WALL SECTIONS

Manufactured By
ALABAMA METAL INDUSTRIES CORP.
3245 Fayette Avenue
Birmingham, AL 35208
800/366-2642
Fax 205/786-6527

Northbrook, Illinois 60062-2096
(708) 272-8800
FAX No. (708) 272-8129
MCI Mail No. 254-3343
Cable ULINC NORTHBROOK, IL
Telex No. 6502543343



July 31, 1991

Alabama Metal Industries Corporation
Mr. John R. Hudson
P. O. Box 3928
Birmingham, AL 35208

Our Reference: Subject 1857

Subject: The Use Of Security Mesh In UL Fire Rated Wall
Assemblies

Dear Mr. Hudson:

This is in response to your letter dated July 25, 1991 concerning
the above reference subject.

It is the judgement of Underwriters Laboratories Inc. that the
use of security mesh, fastened to the steel studs with screws or
welds, would not jeopardize the fire resistance ratings of walls
constructed as described in the Fire Resistance Directory. The
security mesh shall not be secured to the floor or ceiling
runners.

ASM. 50-13F, ASM. 50-16F,

It is understood that ~~ASM. 75-9F, ASM. 75-13F, ASM. 75-16F,~~
ASM 1.0-16F, ASM 1.5-9F, ASM 1.5 - 13F, and ASM 1.5-16F security
mesh would be used in fire rated wall designs.

If you should have any questions, please feel free to contact the
writer.

Very truly yours,

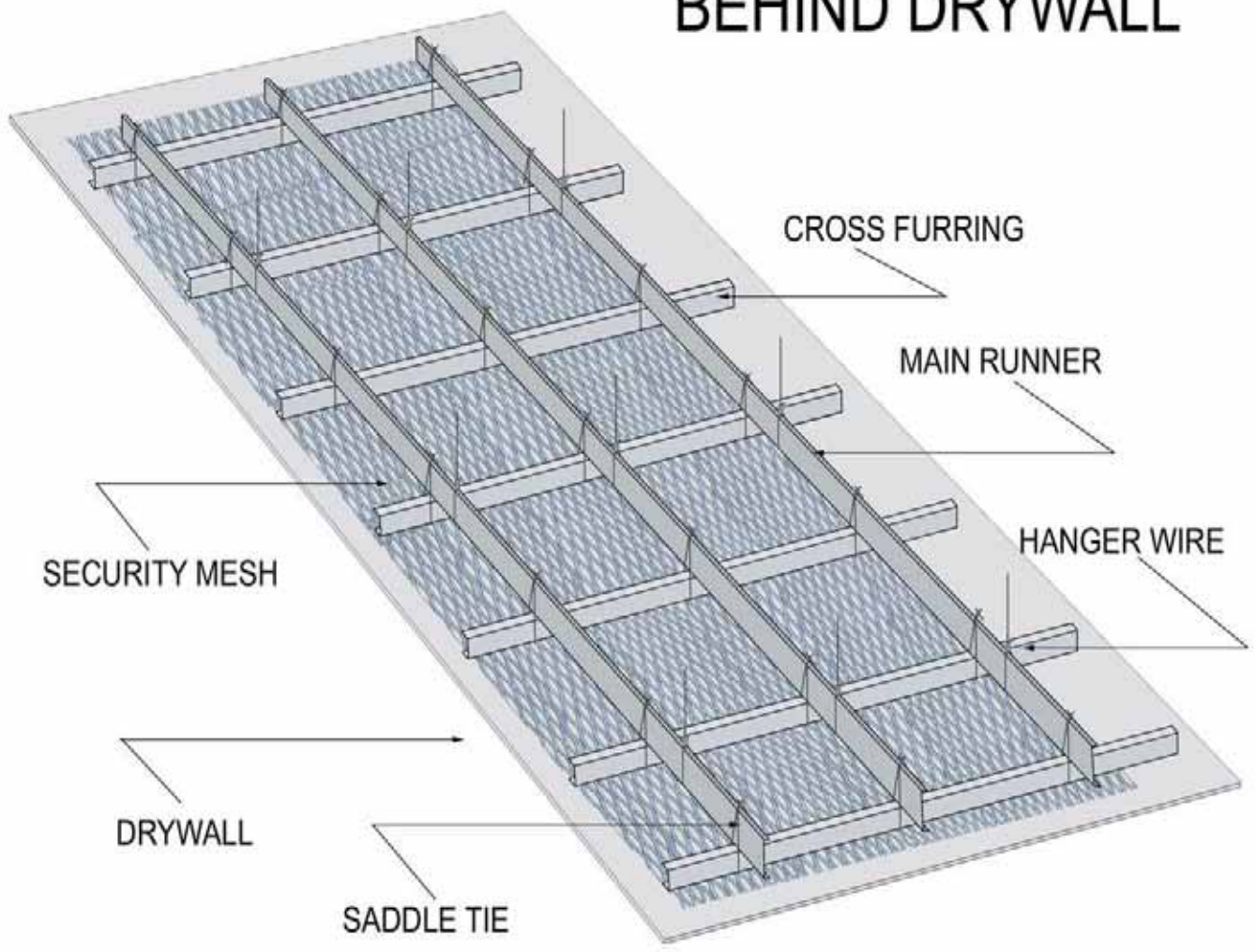
Reviewed by:

Joseph A. Treadway
JOSEPH A. TREADWAY (EXT. 3325)
Associate Project Engineer
Fire Protection Department

Nestor G. Sanchez
NESTOR G. SANCHEZ
Engineering Group Leader
Fire Protection Department

JT:jr
/14975/Ltr/1857.Jul

SECURITY MESH USED AS A CEILING PENETRATION BARRIER BEHIND DRYWALL



Security Mesh™
Wall Penetration Barrier

Alabama Metal Industries Corporation
January 2010



ALABAMA METAL INDUSTRIES CORPORATION



Drawing Name	Date 7/15/04
SECURITY MESH Ceiling Detail	Drawing 4
Contact AMICO Security Department	
Manufactured By Alabama Metal Industries Corporation 3245 Fayette Avenue Birmingham, AL 35208 800/366-2642 Fax 205/786-6527	