BIM & CAD DETAIL LIBRARY

Twenty objects, *ready to specify.*

17 architectural mesh patterns and 3 framing accessories (catalogue numbers 01-20), each delivered as an IFC4 BIM object, an AutoCAD DXF detail sheet and a PDF detail sheet. Mesh patterns also include seamless render textures at true scale. Values match the MAISHI 2026 data sheets, catalogue and website.

NO.	ITEM	CAD DETAIL (DXF + PDF)	BIM OBJECT (IFC4)	TEXTURES	OPEN AREA	THICKNESS	WEIGHT (SS)
01	ASPECT 65	MS-AM-01 MAISHI_01_ASPECT-65_Detail	MAISHI_01_ASPECT-65.ifc	diffuse / opacity / bump	65%	5/16" (8.0 mm)	2.05 lb/sq ft (10.0 kg/m²)
02	ASPECT 66	MS-AM-02 MAISHI_02_ASPECT-66_Detail	MAISHI_02_ASPECT-66.ifc	diffuse / opacity / bump	66.5%	21/64" (8.23 mm)	2.01 lb/sq ft (9.8 kg/m²)
03	ASPECT 74	MS-AM-03 MAISHI_03_ASPECT-74_Detail	MAISHI_03_ASPECT-74.ifc	diffuse / opacity / bump	74.8%	11/32" (8.59 mm)	1.54 lb/sq ft (7.5 kg/m²)
04	ASPECT 64	MS-AM-04 MAISHI_04_ASPECT-64_Detail	MAISHI_04_ASPECT-64.ifc	diffuse / opacity / bump	64.5%	13/32" (10.21 mm)	2.58 lb/sq ft (12.6 kg/m²)
05	ASPECT REST 64	MS-AM-05 MAISHI_05_ASPECT-REST-64_Detail	MAISHI_05_ASPECT-REST-64.ifc	diffuse / opacity / bump	64%	15/64" (6.0 mm)	1.33 lb/sq ft (6.5 kg/m²)
06	ASPECT 47	MS-AM-06 MAISHI_06_ASPECT-47_Detail	MAISHI_06_ASPECT-47.ifc	diffuse / opacity / bump	47.2%	9/64" (3.63 mm)	1.47 lb/sq ft (7.2 kg/m²)
07	ASPECT 53	MS-AM-07 MAISHI_07_ASPECT-53_Detail	MAISHI_07_ASPECT-53.ifc	diffuse / opacity / bump	53.9%	3/32" (2.49 mm)	0.88 lb/sq ft (4.3 kg/m²)
08	ASPECT 41	MS-AM-08 MAISHI_08_ASPECT-41_Detail	MAISHI_08_ASPECT-41.ifc	diffuse / opacity / bump	41.1%	9/64" (3.56 mm)	1.72 lb/sq ft (8.4 kg/m²)
09	AXIS 63	MS-AM-09 MAISHI_09_AXIS-63_Detail	MAISHI_09_AXIS-63.ifc	diffuse / opacity / bump	63.5%	5/32" (4.06 mm)	1.11 lb/sq ft (5.4 kg/m²)
10	AXIS 81	MS-AM-10 MAISHI_10_AXIS-81_Detail	MAISHI_10_AXIS-81.ifc	diffuse / opacity / bump	81.7%	25/64" (9.75 mm)	1.27 lb/sq ft (6.2 kg/m²)
11	AXIS TWIN 64	MS-AM-11 MAISHI_11_AXIS-TWIN-64_Detail	MAISHI_11_AXIS-TWIN-64.ifc	diffuse / opacity / bump	64.5%	1/8" (3.2 mm)	0.86 lb/sq ft (4.2 kg/m²)
12	AXIS QUAD 77	MS-AM-12 MAISHI_12_AXIS-QUAD-77_Detail	MAISHI_12_AXIS-QUAD-77.ifc	diffuse / opacity / bump	77.4%	17/64" (6.86 mm)	1.11 lb/sq ft (5.4 kg/m²)
13	AXIS 21	MS-AM-13 MAISHI_13_AXIS-21_Detail	MAISHI_13_AXIS-21.ifc	diffuse / opacity / bump	21.6%	7/64" (2.67 mm)	1.93 lb/sq ft (9.4 kg/m²)
14	AXIS 32	MS-AM-14 MAISHI_14_AXIS-32_Detail	MAISHI_14_AXIS-32.ifc	diffuse / opacity / bump	32%	1/8" (3.18 mm)	1.80 lb/sq ft (8.8 kg/m²)
15	AXIS WELD 84	MS-AM-15 MAISHI_15_AXIS-WELD-84_Detail	MAISHI_15_AXIS-WELD-84.ifc	diffuse / opacity / bump	84.5%	21/64" (8.23 mm)	0.84 lb/sq ft (4.1 kg/m²)
16	ASPECT WELD 65	MS-AM-16 MAISHI_16_ASPECT-WELD-65_Detail	MAISHI_16_ASPECT-WELD-65.ifc	diffuse / opacity / bump	64.9%	5/16" (8.0 mm)	1.84 lb/sq ft (9.0 kg/m²)
17	VERTEX 83	MS-AM-17 MAISHI_17_VERTEX-83_Detail	MAISHI_17_VERTEX-83.ifc	diffuse / opacity / bump	83.2%	On request	0.45 lb/sq ft (2.2 kg/m²)
18	U-EDGING	MS-AM-18 MAISHI_18_U-EDGING_Detail	MAISHI_18_U-EDGING.ifc	-	-	-	-
19	FLAT BAR	MS-AM-19 MAISHI_19_FLAT-BAR_Detail	MAISHI_19_FLAT-BAR.ifc	-	-	-	-
20	ANGLE	MS-AM-20 MAISHI_20_ANGLE_Detail	MAISHI_20_ANGLE.ifc	-	-	-	-
-	TENSION SYSTEM	MS-AM-21 MAISHI_21_TENSION-SYSTEM_Detail	-	-	-	-	-

WHAT IS IN EACH FILE

CAD detail sheets (CAD_DXF, CAD_PDF)

AutoCAD R2018 DXF. Model space holds every detail at true size 1:1 in millimetres (pattern elevation, section A-A, section B-B, framing details); paper space layout "A3 SHEET" places the details in scaled viewports with border, title block, data table and notes. Layers follow AIA CAD layer naming: A-DETL-MESH, A-DETL-PATT (hatch), A-DETL-FRAM, A-DETL-FAST, A-DETL-CNTR, A-ANNO-DIMS, A-ANNO-TEXT, A-ANNO-SYMB, A-ANNO-TTLB, A-ANNO-VPRT. Dimensions show imperial first with millimetres in brackets. The PDF is the same sheet for review and printing (ISO A3 landscape).

BIM objects (BIM_IFC)

IFC4 files. Each pattern file contains an IfcPlateType "MAISHI " carrying all product properties, a typical 48" x 96" (1219 x 2438 mm) panel (lightweight solid with transparency equal to the open area, for building models) and a 300 or 610 mm square pattern sample with true wire geometry (straight-wire approximation) for close-up views and visualisation. Property sets: Pset_ManufacturerTypeInformation, Pset_PlateCommon, MAISHI_ArchitecturalMesh (series, construction, open area, thickness, wire, opening, centers, weight, materials, finishes, fire, data sheet and product URLs) and MAISHI_Panel. Classification: MasterFormat 2020 05 70 00 Decorative Metal. Accessory files contain one IfcMemberType per standard size, each with a 120" (3048 mm) length.

Using the IFC in Revit, ArchiCAD and others

Revit: Insert > Link IFC to coordinate, or File > Open > IFC, then copy the panel into your project or save it as a family; adjust width and height to your opening. ArchiCAD: File > Interoperability > Merge (IFC). Rhino, SketchUp, Vectorworks, Tekla, BricsCAD, Navisworks and Solibri open IFC4 directly. For schedules, the MAISHI_ArchitecturalMesh property set maps to shared parameters (model, open area, weight, materials).

Render textures (Textures)

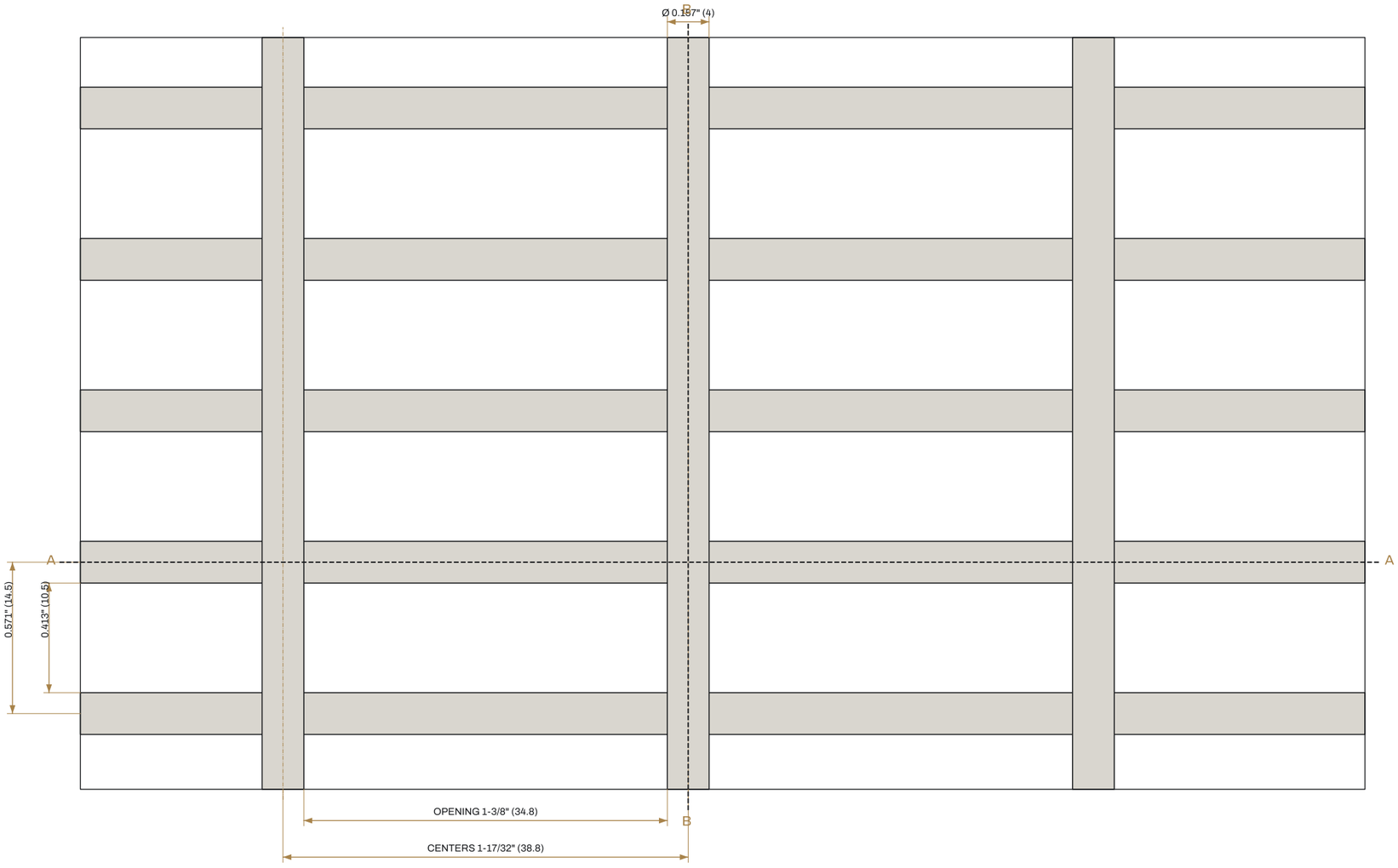
Seamless tiles drawn from the same geometry: diffuse (stainless steel), opacity (white = metal, black = open) and bump. The real-world tile size is in the file name and in MAISHI_texture_scale.csv - enter it as the material image width and height (Revit: Appearance > Image > Scale; Enscape, V-Ray, Twinmotion, Lumion: texture size). Use the opacity map as cutout so light and views pass through the openings.

Accuracy

Values are nominal and calculated from pattern geometry for stainless steel (tolerance approx. 10-15%). Patterns with grouped wires (ASPECT 74, ASPECT 64, AXIS TWIN 64, AXIS QUAD 77) are drawn as an equivalent single-wire grid that reproduces the published opening, wire centers and open area; ASPECT REST 64 and VERTEX 83 use indicative spacing tuned to the published open area and weight. Crimp form is schematic. Confirm with a physical sample and MAISHI shop drawings before fabrication. Maximum panel size depends on pattern and alloy; structural and wind design by the project engineer.

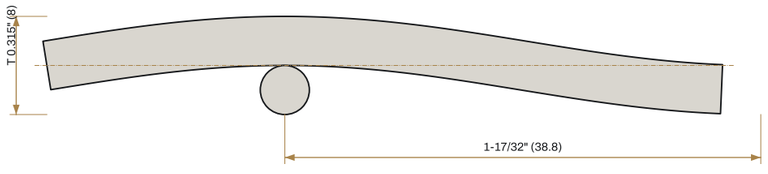
Revisions and requests

Rev A, 2026-10-08. Native Revit families (.rfa), other alloys or finishes, project-specific panel layouts and shop drawings are available on request from sales@maishimfg.com.



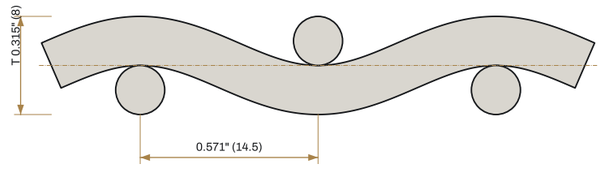
1 PATTERN ELEVATION

SCALE 2:1



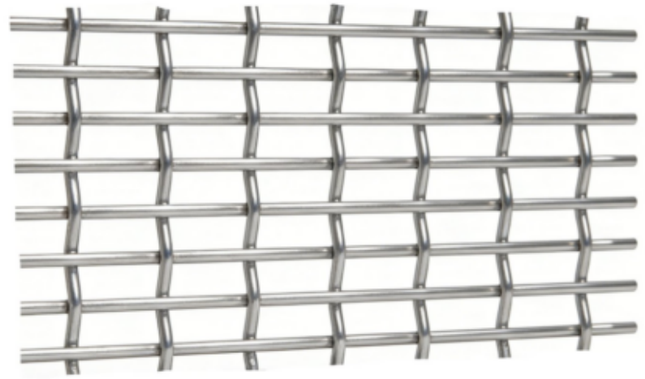
2 SECTION A-A

SCALE 2:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 65
CONSTRUCTION	Solid wire, warp and weft
PANEL TYPE	Rigid
OPEN AREA	65%
OVERALL THICKNESS	5/16" (8.0 mm)
WIRE DIAMETER	0.157" (4.0 mm)
OPENING (W x H)	34.8 x 10.5 mm (1.370" x 0.413")
WIRE CENTERS	38.8 x 14.5 mm (1.528" x 0.571")
CUT-OFF ANGLE	53° (short opening)
WEIGHT (SS)	2.05 lb/sq ft (10.0 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Aluminum, Bronze
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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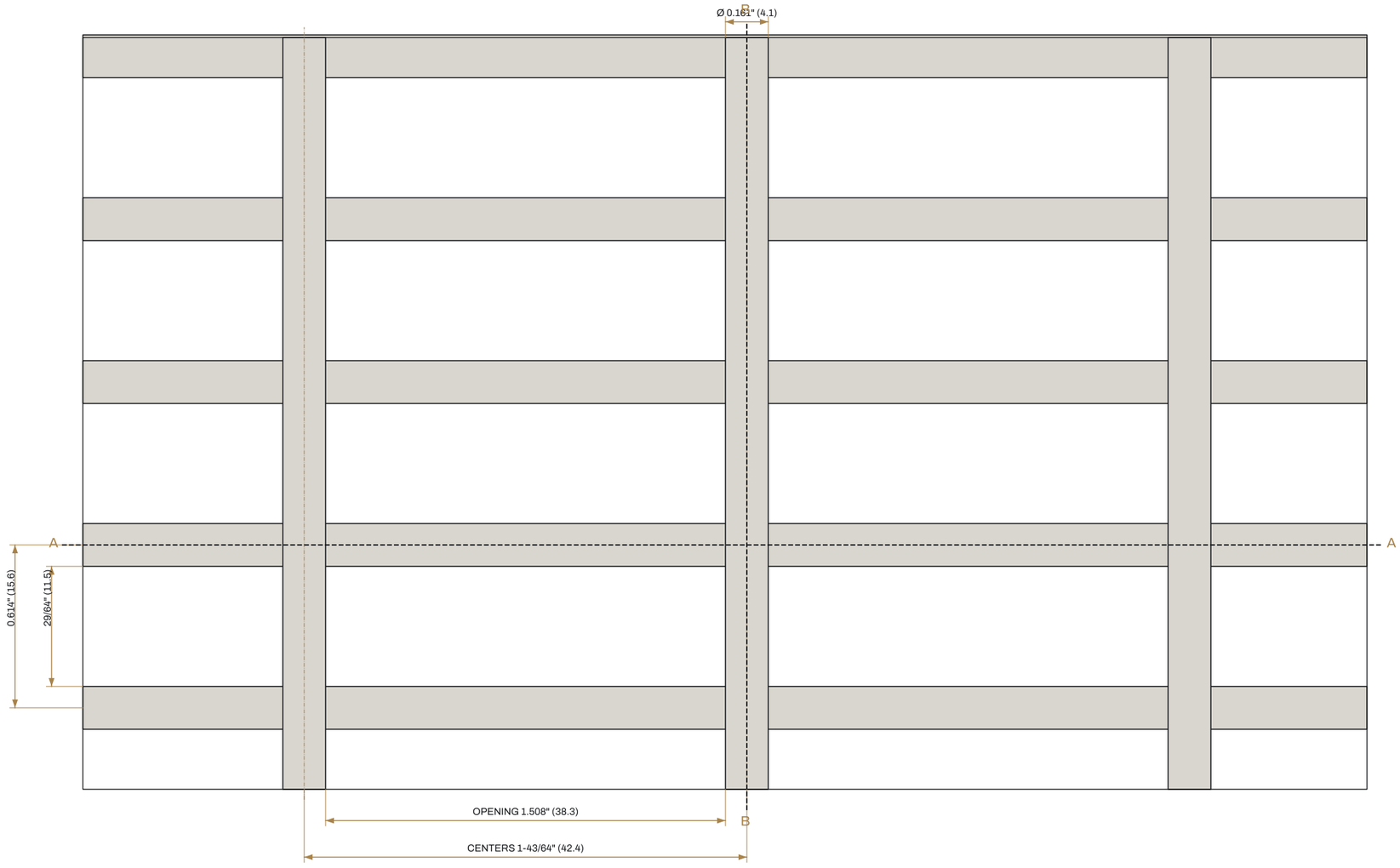
DRAWING TITLE

ASPECT 65

Pattern elevation and sections

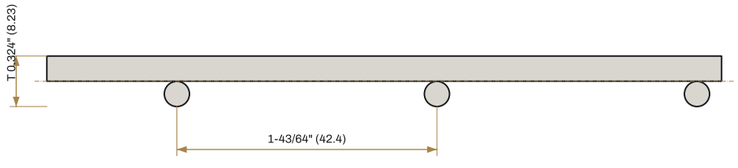
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-01	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



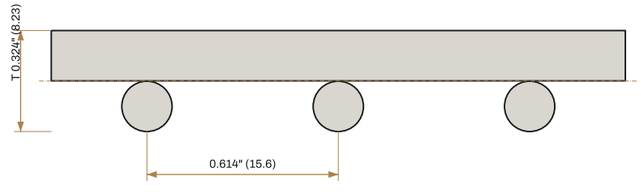
1 PATTERN ELEVATION

SCALE 2:1



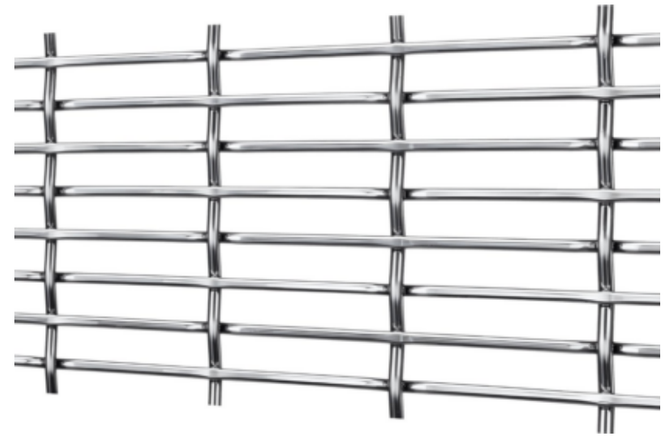
2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 66
CONSTRUCTION	Flat-top crimp, large scale
PANEL TYPE	Rigid
OPEN AREA	66.5%
OVERALL THICKNESS	21/64" (8.23 mm)
WIRE DIAMETER	0.161" (4.1 mm)
OPENING (W x H)	38.3 x 11.5 mm (1.508" x 0.453")
WIRE CENTERS	42.4 x 15.6 mm (1.669" x 0.614")
CUT-OFF ANGLE	54° (short opening)
WEIGHT (SS)	2.01 lb/sq ft (9.8 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Aluminum, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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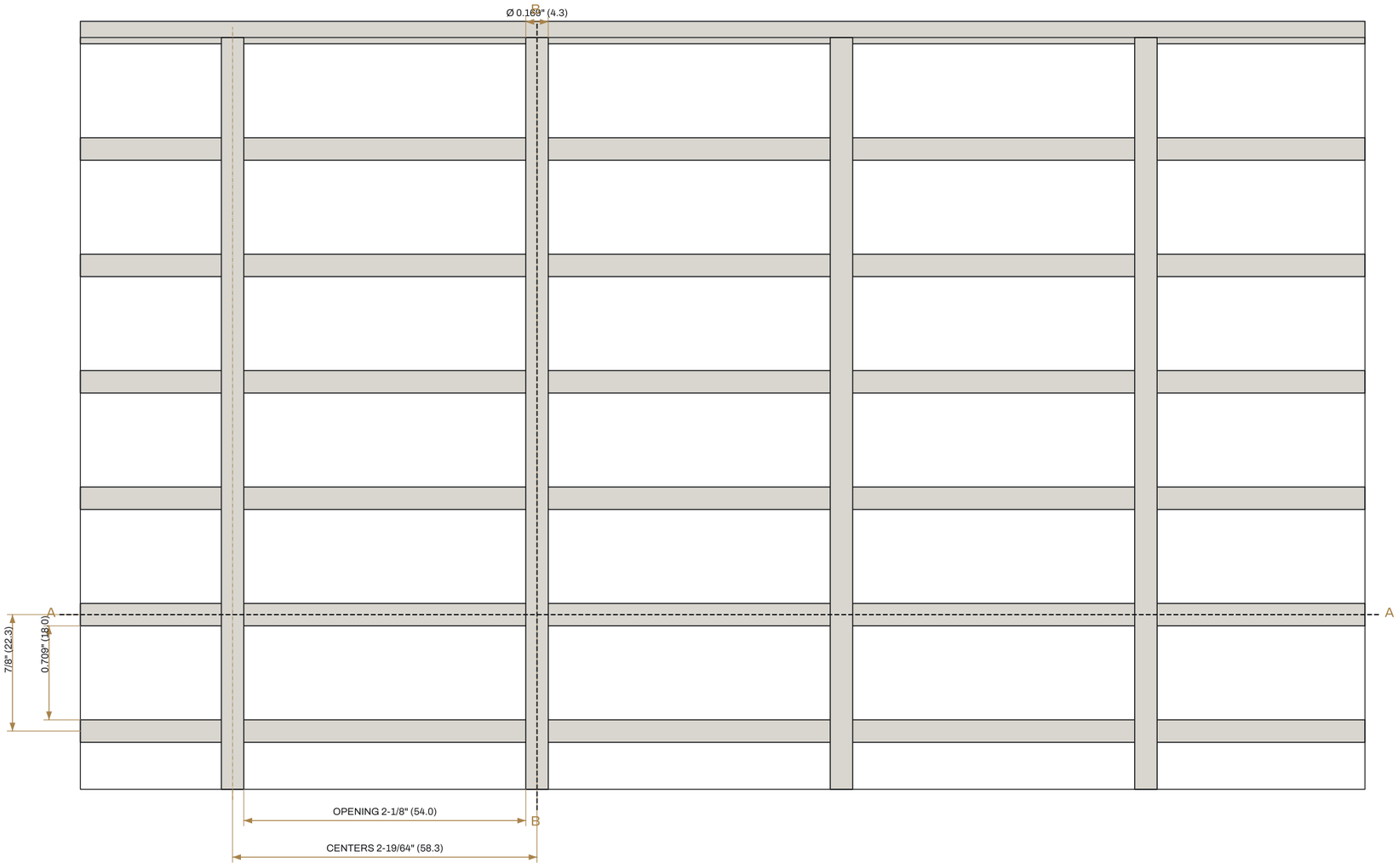
DRAWING TITLE

ASPECT 66

Pattern elevation and sections

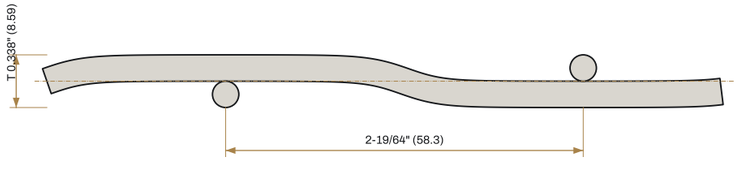
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-02	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



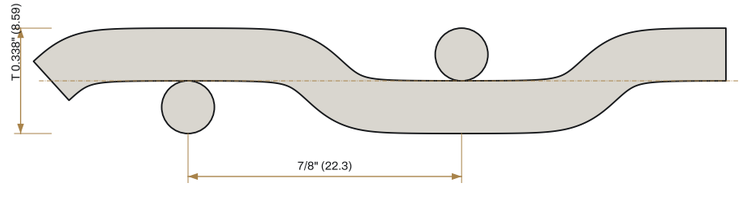
1 PATTERN ELEVATION

SCALE 1:1



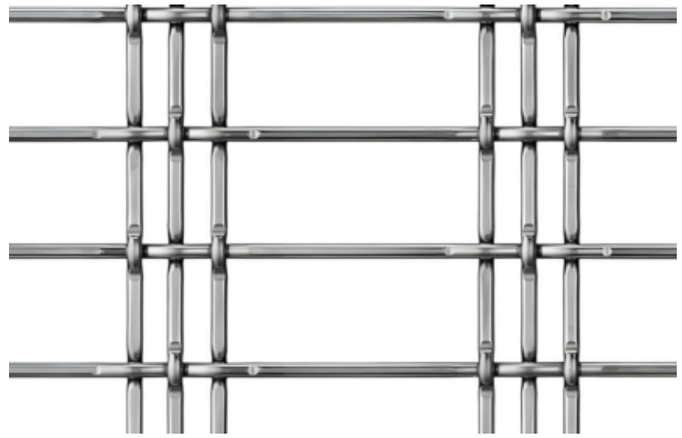
2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 74
CONSTRUCTION	Triple-shute lock crimp
PANEL TYPE	Rigid
OPEN AREA	74.8%
OVERALL THICKNESS	11/32" (8.59 mm)
WIRE DIAMETER	0.169" (4.3 mm)
OPENING (W x H)	54.0 x 18.0 mm (2.126" x 0.709")
WIRE CENTERS	58.3 x 22.3 mm (2.295" x 0.878")
CUT-OFF ANGLE	64° (short opening)
WEIGHT (SS)	1.54 lb/sq ft (7.5 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Wires drawn as an equivalent single-wire grid matching the published opening, wire centers and open area; grouped wires and crimp form shown schematically - see product image and physical sample.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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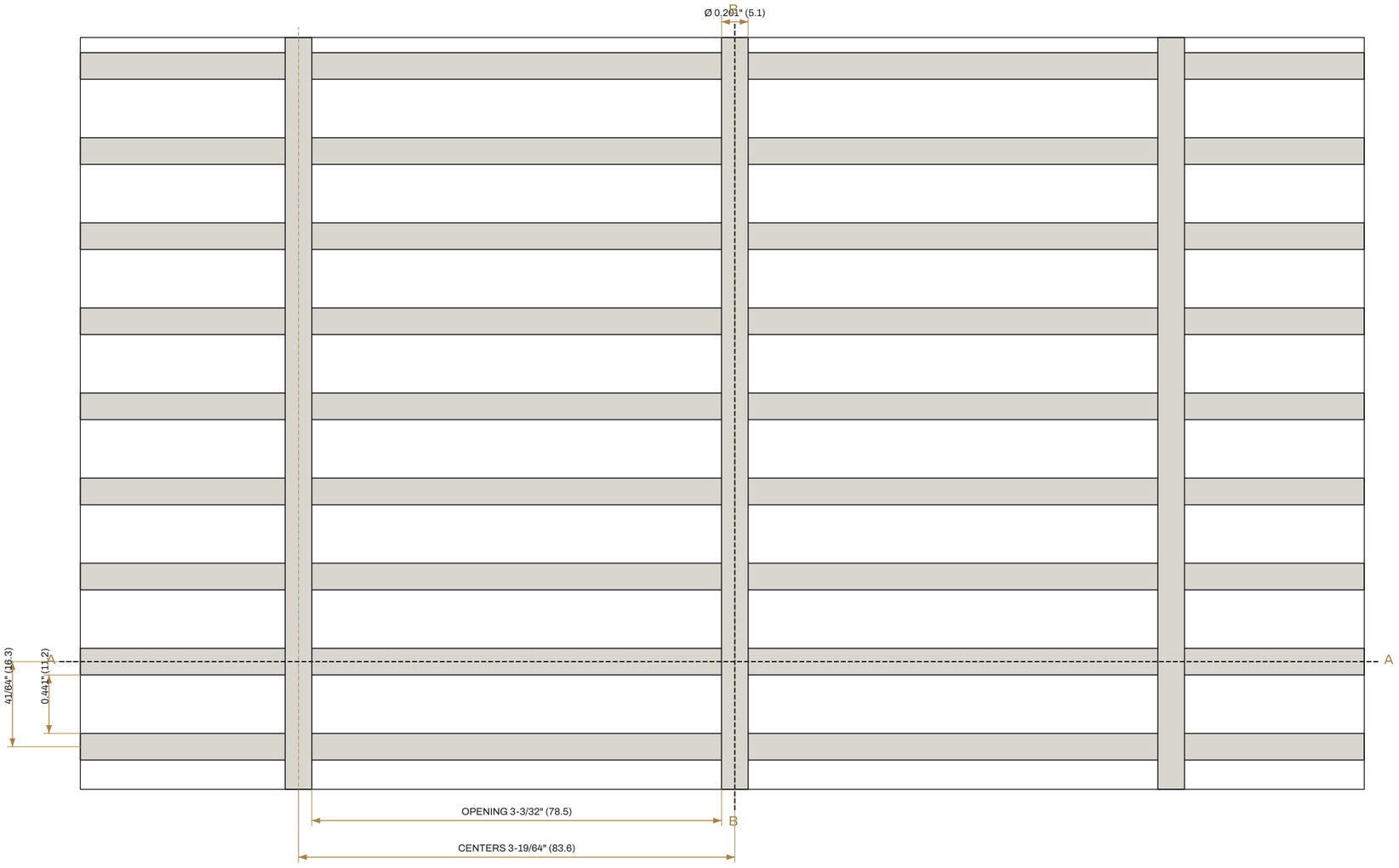
DRAWING TITLE

ASPECT 74

Pattern elevation and sections

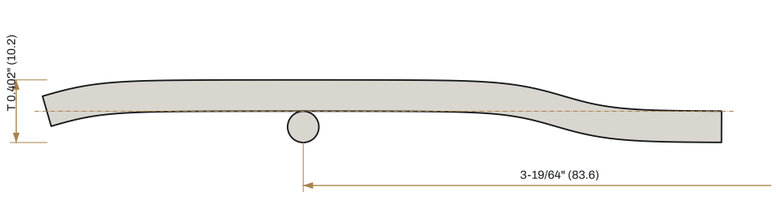
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-03	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



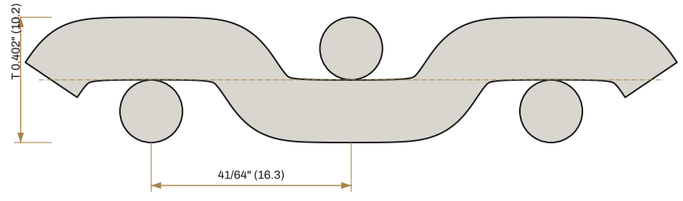
1 PATTERN ELEVATION

SCALE 1:1



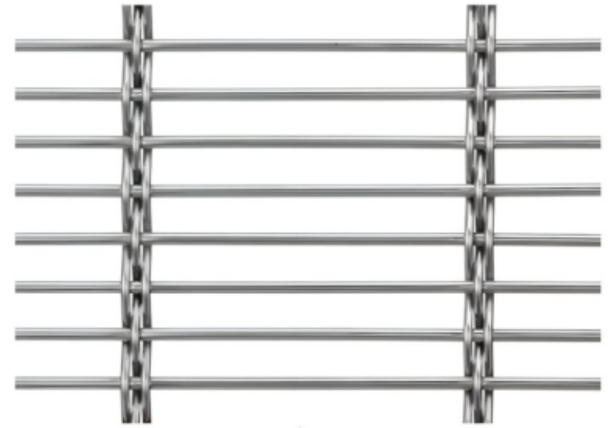
2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 64
CONSTRUCTION	Triple nested cross wires
PANEL TYPE	Rigid
OPEN AREA	64.5%
OVERALL THICKNESS	13/32" (10.21 mm)
WIRE DIAMETER	0.201" (5.1 mm)
OPENING (W x H)	78.5 x 11.2 mm (3.091" x 0.441")
WIRE CENTERS	83.6 x 16.3 mm (3.291" x 0.642")
CUT-OFF ANGLE	48° (short opening)
WEIGHT (SS)	2.58 lb/sq ft (12.6 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Aluminum, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Wires drawn as an equivalent single-wire grid matching the published opening, wire centers and open area; grouped wires and crimp form shown schematically - see product image and physical sample.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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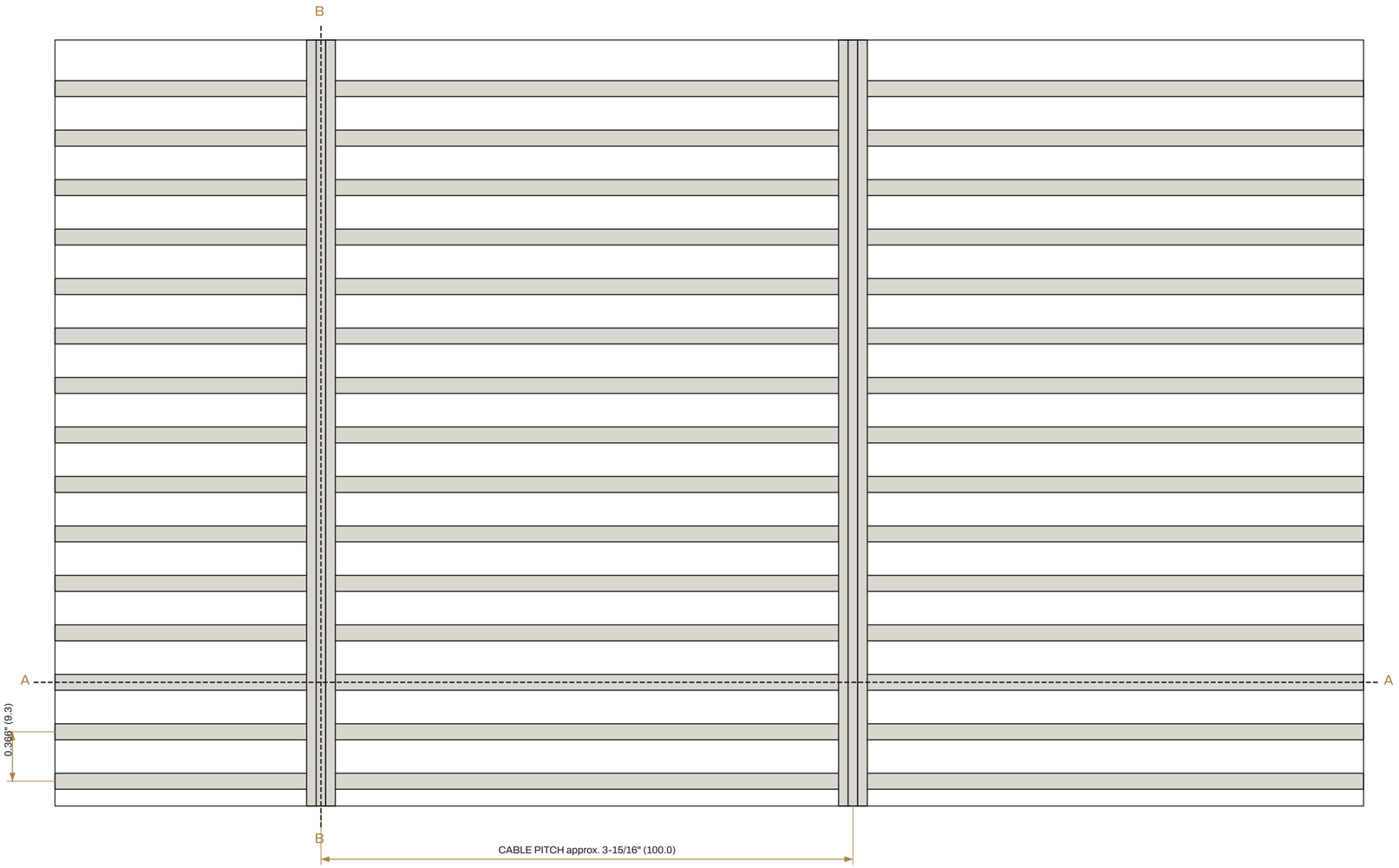
DRAWING TITLE

ASPECT 64

Pattern elevation and sections

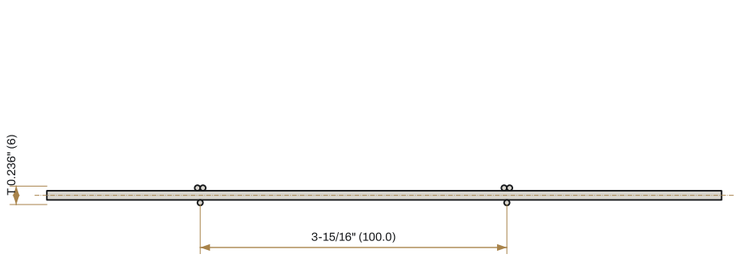
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-04	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



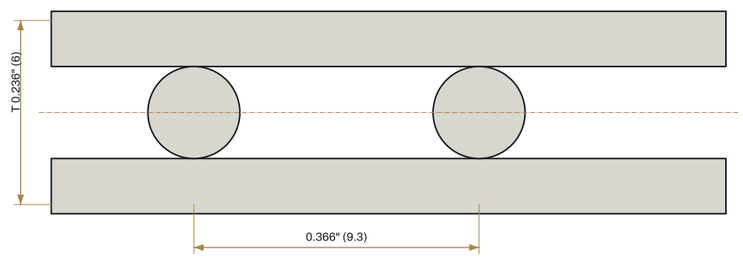
1 PATTERN ELEVATION

SCALE 1:1



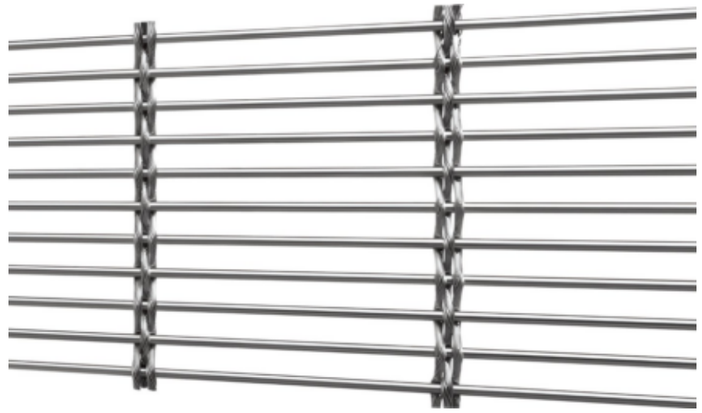
2 SECTION A-A

SCALE 1:2



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT REST 64
CONSTRUCTION	Triple cable cluster and rod
PANEL TYPE	Flexible (one direction)
OPEN AREA	64%
OVERALL THICKNESS	15/64" (6.0 mm)
WIRE DIAMETER	0.118" (3.0 mm)
OPENING	Pattern-specific
ROD / CABLE PITCH	Rod approx. 9.3 mm, cable approx. 100 mm (indicative)
WEIGHT (SS)	1.33 lb/sq ft (6.5 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Opening geometry is pattern-specific: wire spacing shown is indicative, tuned to the published open area and weight. Confirm on shop drawings.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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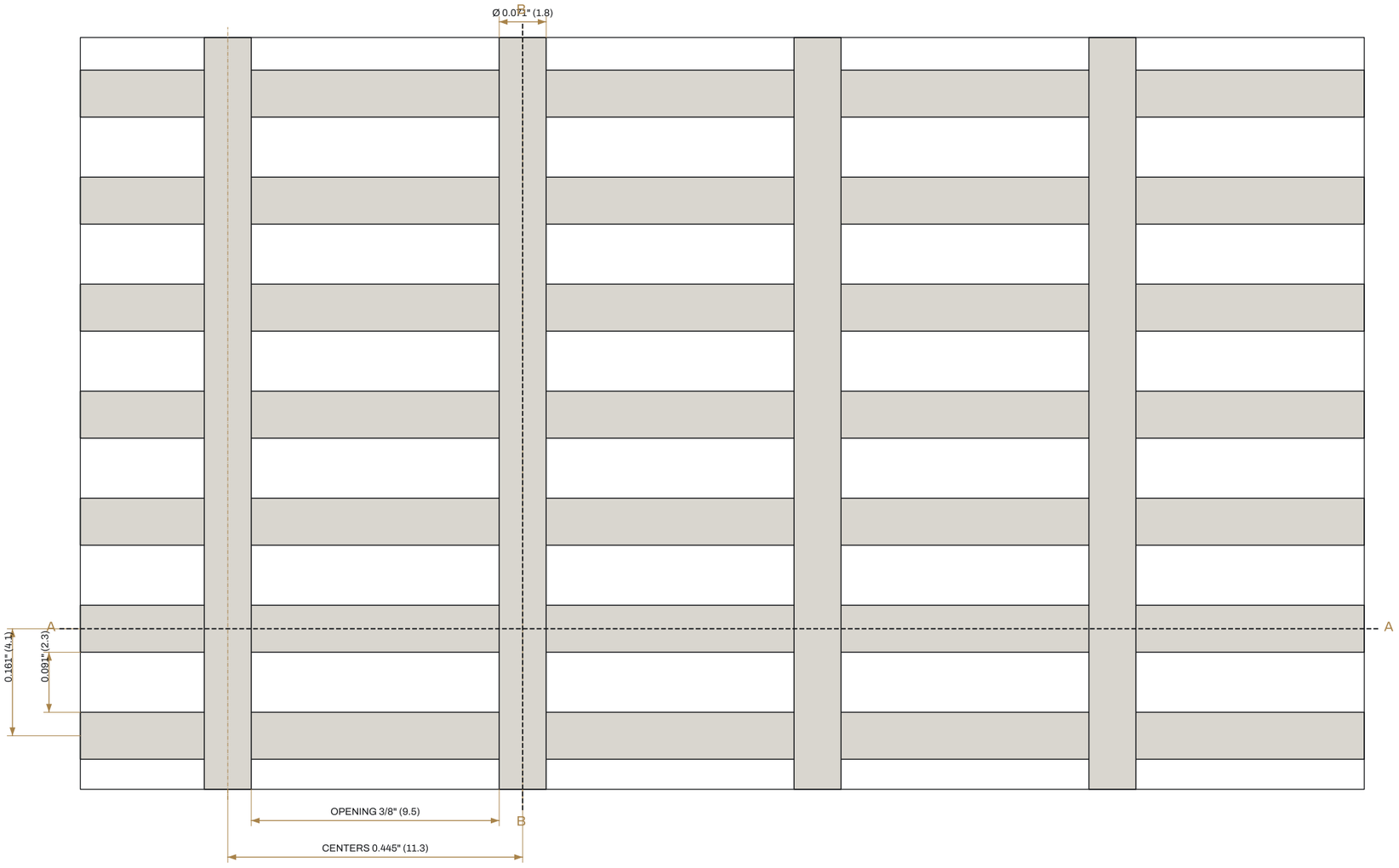
DRAWING TITLE

ASPECT REST 64

Pattern elevation and sections

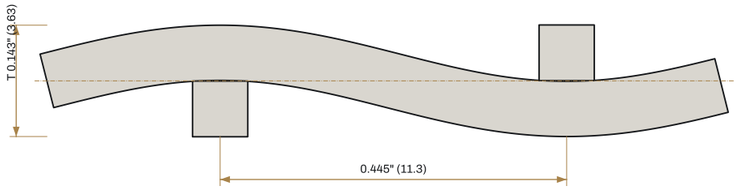
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-05	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



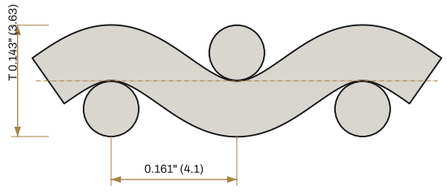
1 PATTERN ELEVATION

SCALE 5:1



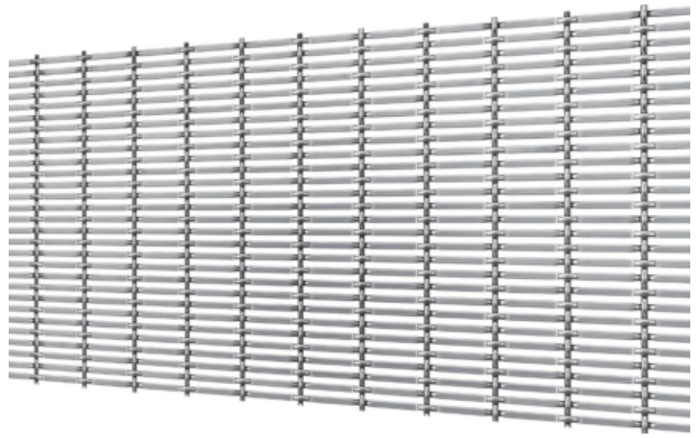
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 47
CONSTRUCTION	Flattened-warp dense weave
PANEL TYPE	Rigid
OPEN AREA	47.2%
OVERALL THICKNESS	9/64" (3.63 mm)
WIRE DIAMETER	0.071" (1.8 mm)
OPENING (W x H)	9.5 x 2.3 mm (0.374" x 0.091")
WIRE CENTERS	11.3 x 4.1 mm (0.445" x 0.161")
CUT-OFF ANGLE	32° (short opening)
WEIGHT (SS)	1.47 lb/sq ft (7.2 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Aluminum, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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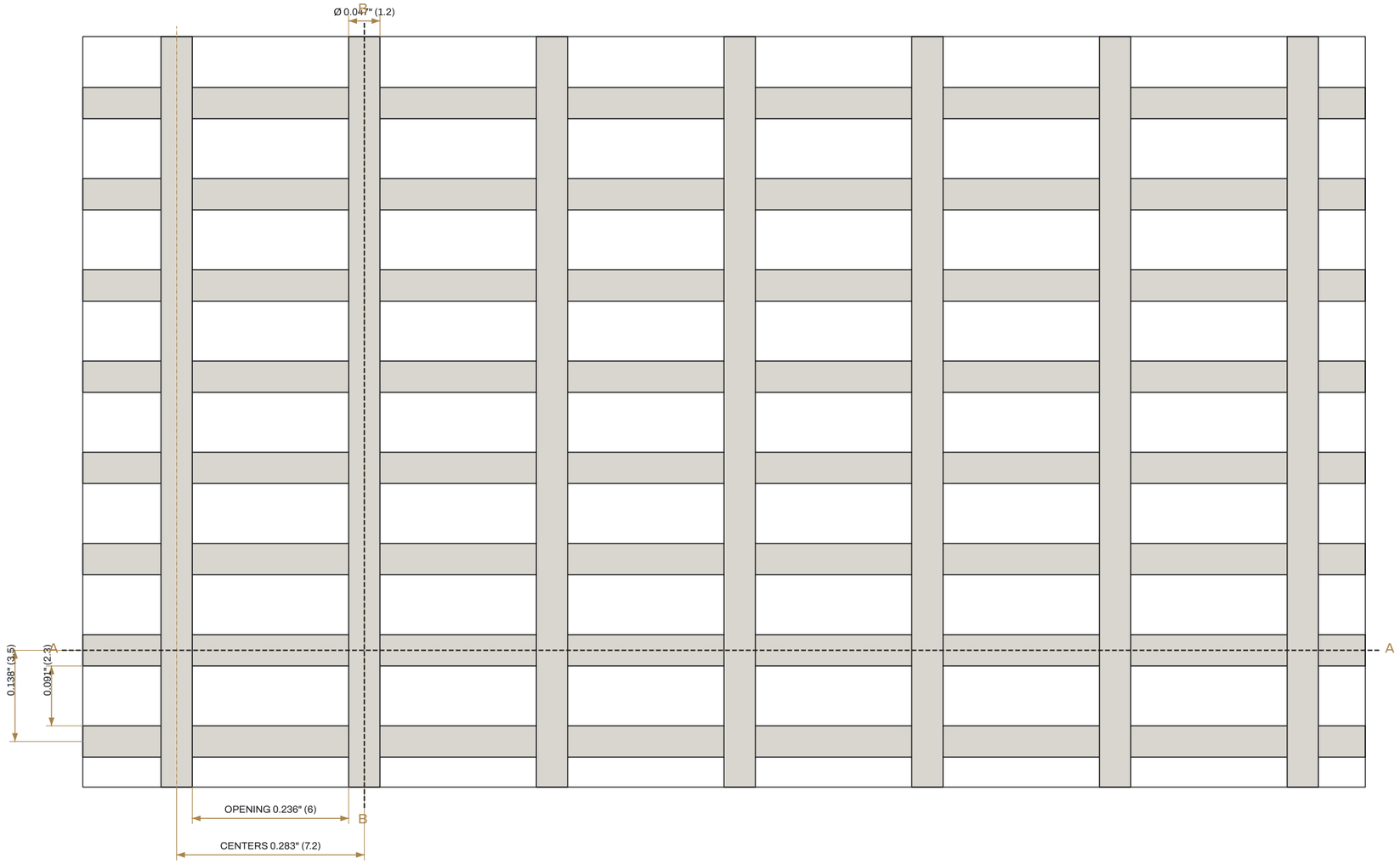
DRAWING TITLE

ASPECT 47

Pattern elevation and sections

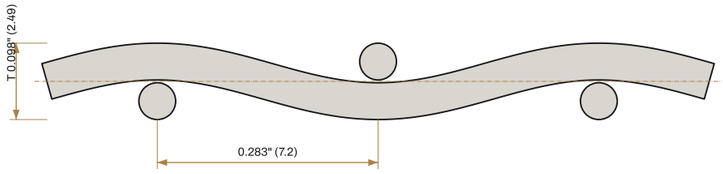
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-06	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



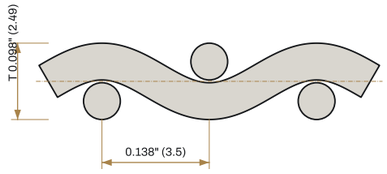
1 PATTERN ELEVATION

SCALE 5:1



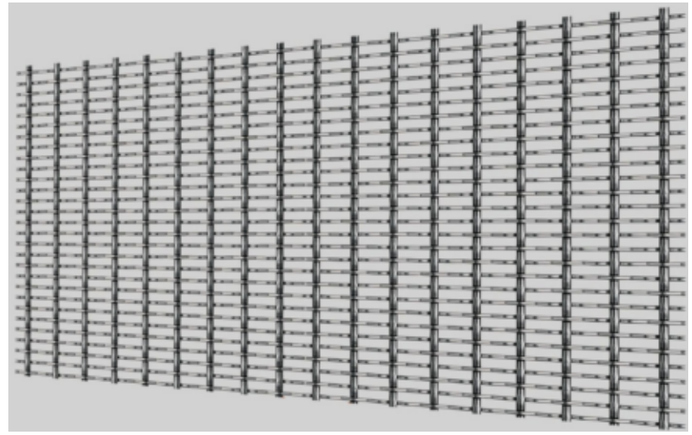
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 53
CONSTRUCTION	Intercrimp, mixed diameters
PANEL TYPE	Rigid
OPEN AREA	53.9%
OVERALL THICKNESS	3/32" (2.49 mm)
WIRE DIAMETER	0.047" (1.2 mm)
OPENING (W x H)	6.0 x 2.3 mm (0.236" x 0.091")
WIRE CENTERS	7.2 x 3.5 mm (0.283" x 0.138")
CUT-OFF ANGLE	43° (short opening)
WEIGHT (SS)	0.88 lb/sq ft (4.3 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Stainless / copper-alloy mixed weave
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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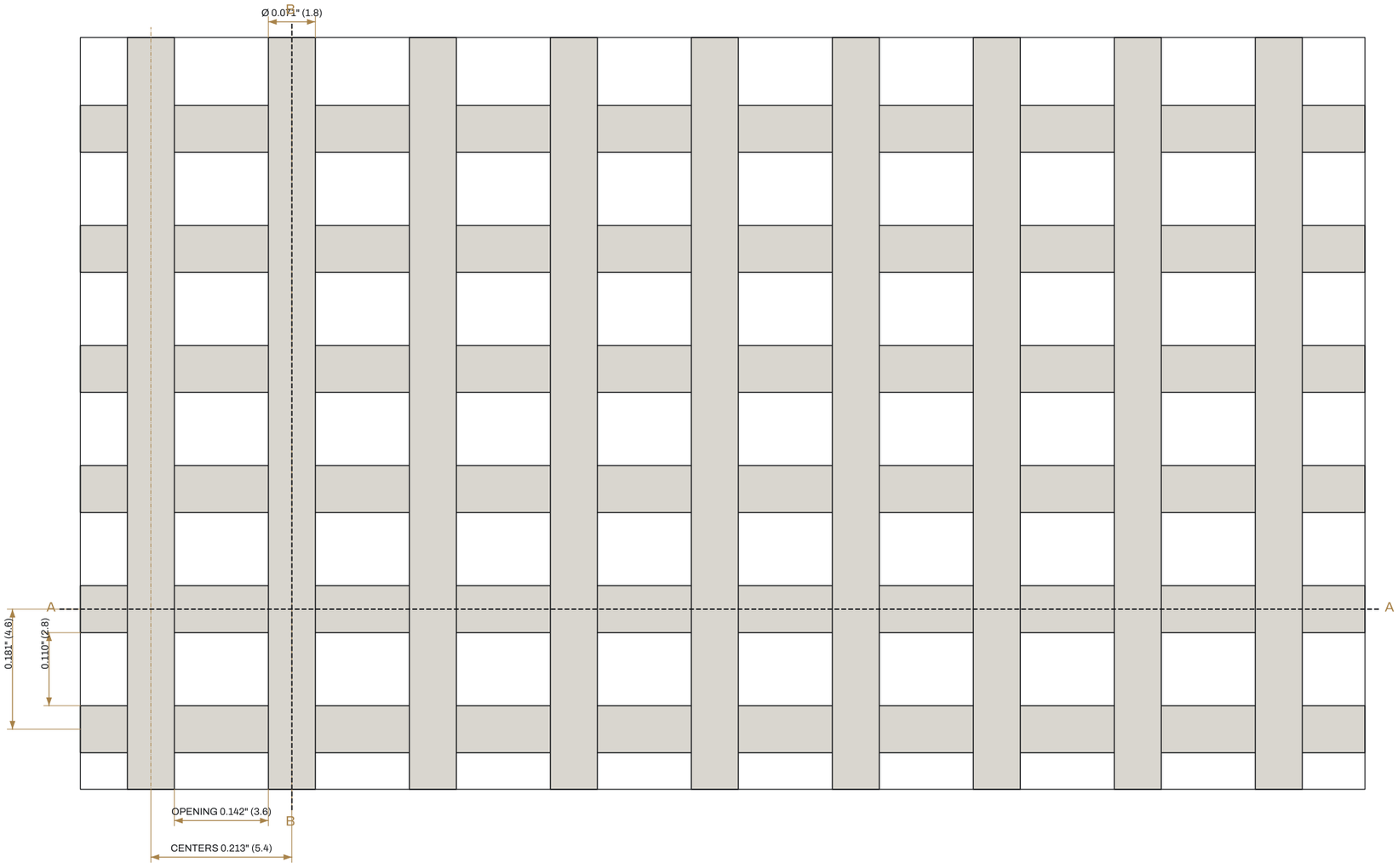
DRAWING TITLE

ASPECT 53

Pattern elevation and sections

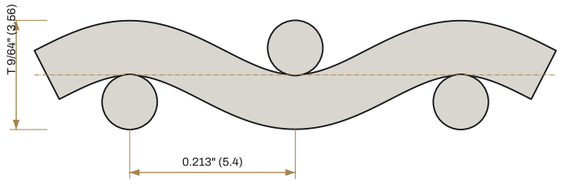
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-07	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



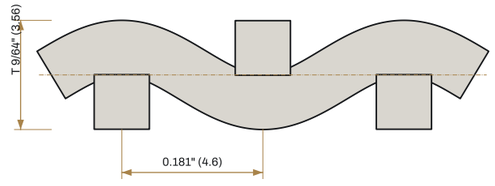
1 PATTERN ELEVATION

SCALE 5:1



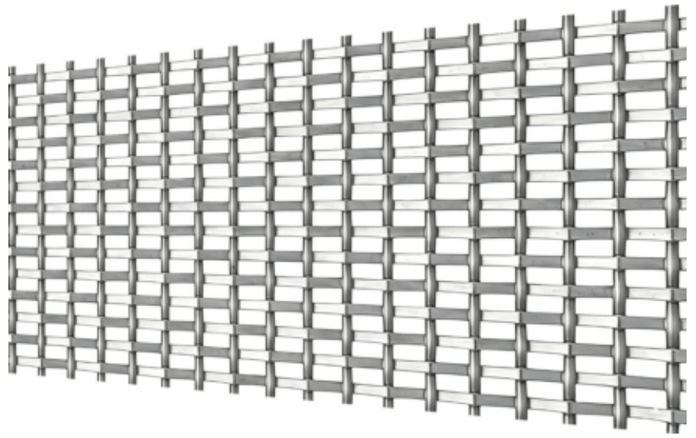
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT 41
CONSTRUCTION	Round and flat wire, embossed
PANEL TYPE	Rigid
OPEN AREA	41.1%
OVERALL THICKNESS	9/64" (3.56 mm)
WIRE DIAMETER	0.071" (1.8 mm)
OPENING (W x H)	3.6 x 2.8 mm (0.142" x 0.110")
WIRE CENTERS	5.4 x 4.6 mm (0.213" x 0.181")
CUT-OFF ANGLE	38° (short opening)
WEIGHT (SS)	1.72 lb/sq ft (8.4 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Stainless / copper-alloy mixed weave
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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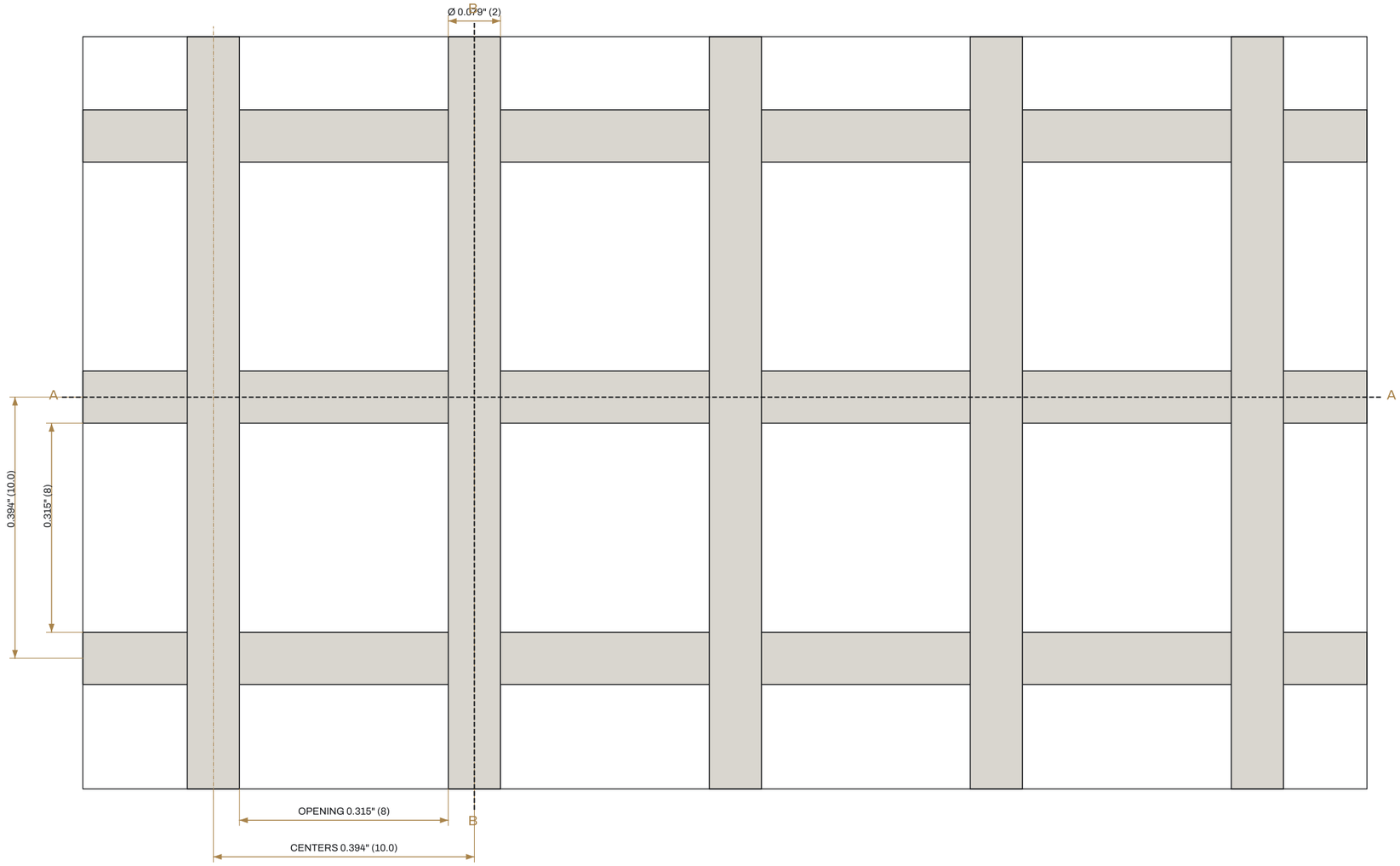
DRAWING TITLE

ASPECT 41

Pattern elevation and sections

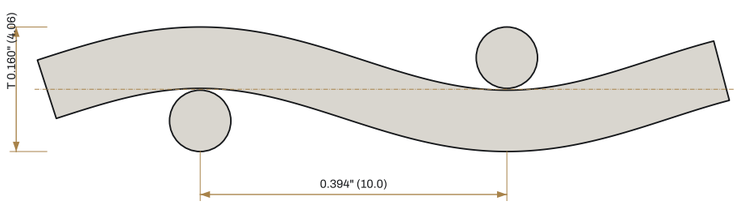
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-08	AS NOTED	2026-10-08	A	1 / 1

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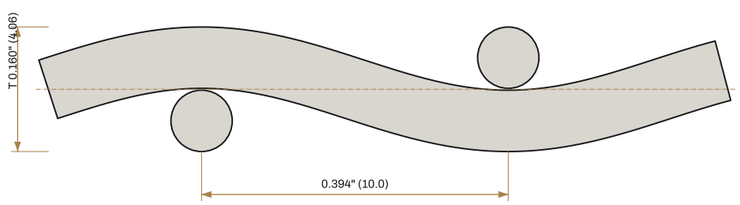
1 PATTERN ELEVATION

SCALE 5:1



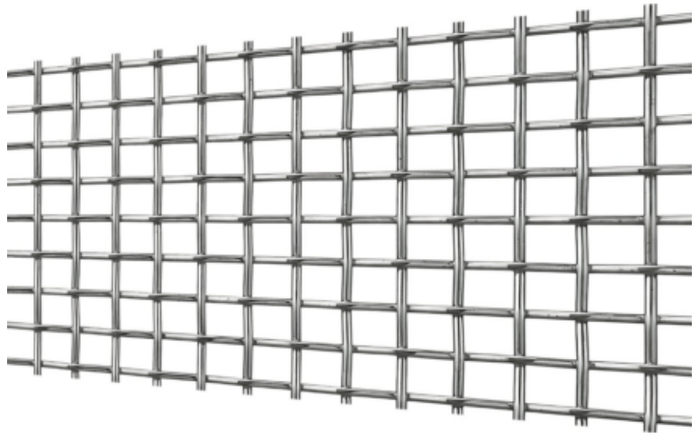
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS 63
CONSTRUCTION	Plain crimp
PANEL TYPE	Rigid
OPEN AREA	63.5%
OVERALL THICKNESS	5/32" (4.06 mm)
WIRE DIAMETER	0.079" (2.0 mm)
OPENING (W x H)	8.0 x 8.0 mm (0.315" x 0.315")
WIRE CENTERS	10.0 x 10.0 mm (0.394" x 0.394")
CUT-OFF ANGLE	63° (short opening)
WEIGHT (SS)	1.11 lb/sq ft (5.4 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Brass, Bronze
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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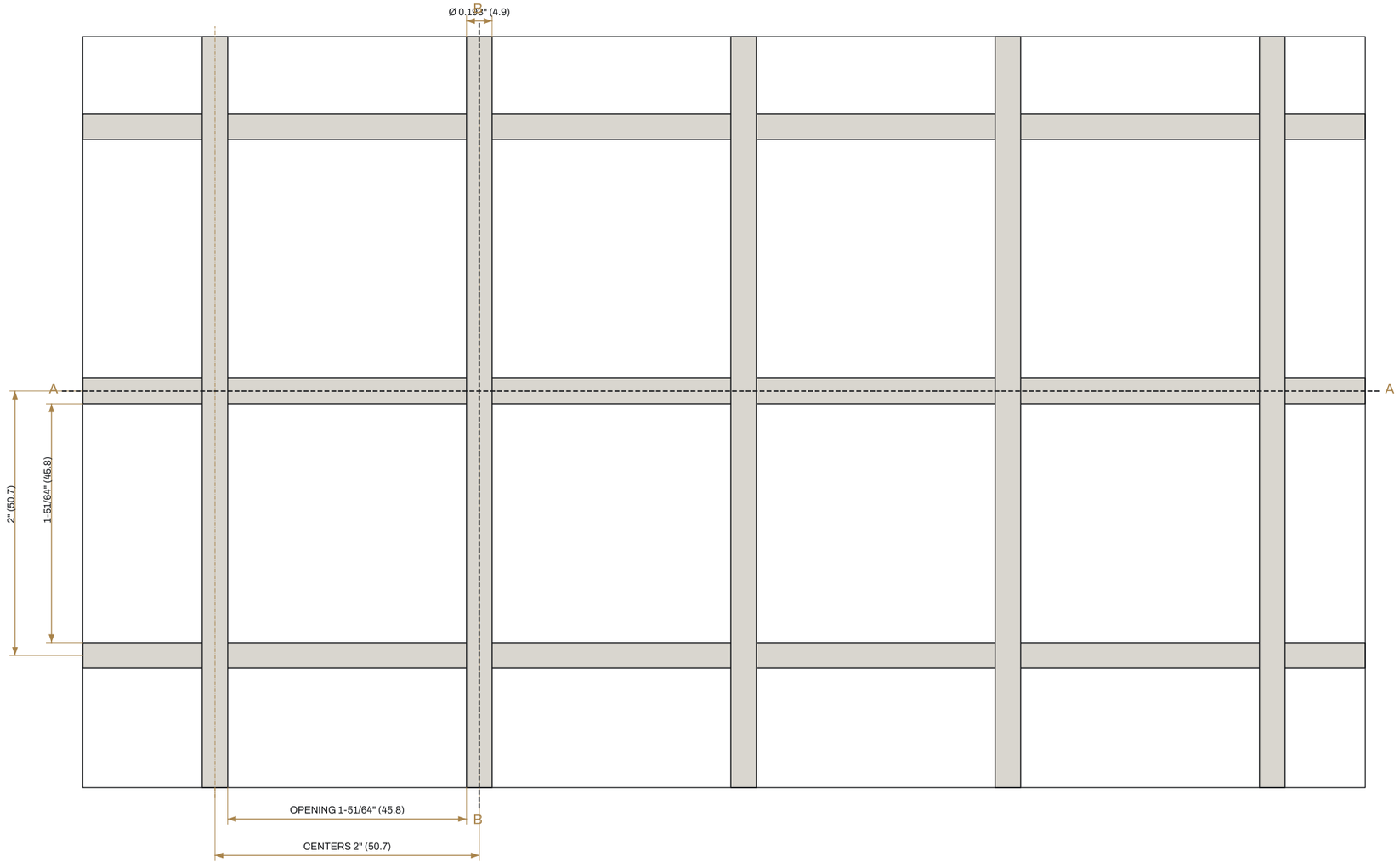
DRAWING TITLE

AXIS 63

Pattern elevation and sections

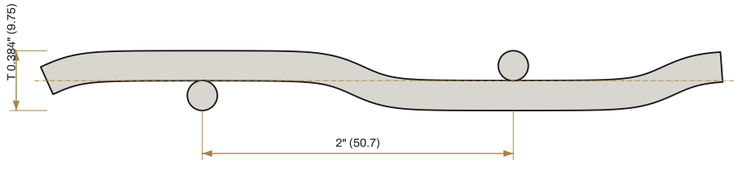
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-09	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



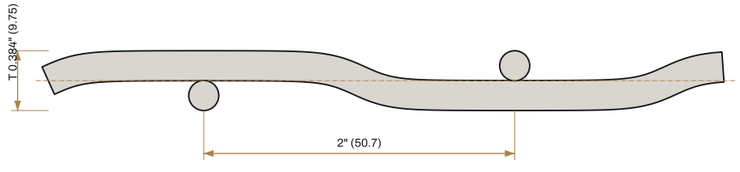
1 PATTERN ELEVATION

SCALE 1:1



2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 1:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS 81
CONSTRUCTION	Heavy lock crimp
PANEL TYPE	Rigid
OPEN AREA	81.7%
OVERALL THICKNESS	25/64" (9.75 mm)
WIRE DIAMETER	0.193" (4.9 mm)
OPENING (W x H)	45.8 x 45.8 mm (1.803" x 1.803")
WIRE CENTERS	50.7 x 50.7 mm (1.996" x 1.996")
CUT-OFF ANGLE	78° (short opening)
WEIGHT (SS)	1.27 lb/sq ft (6.2 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Aluminum, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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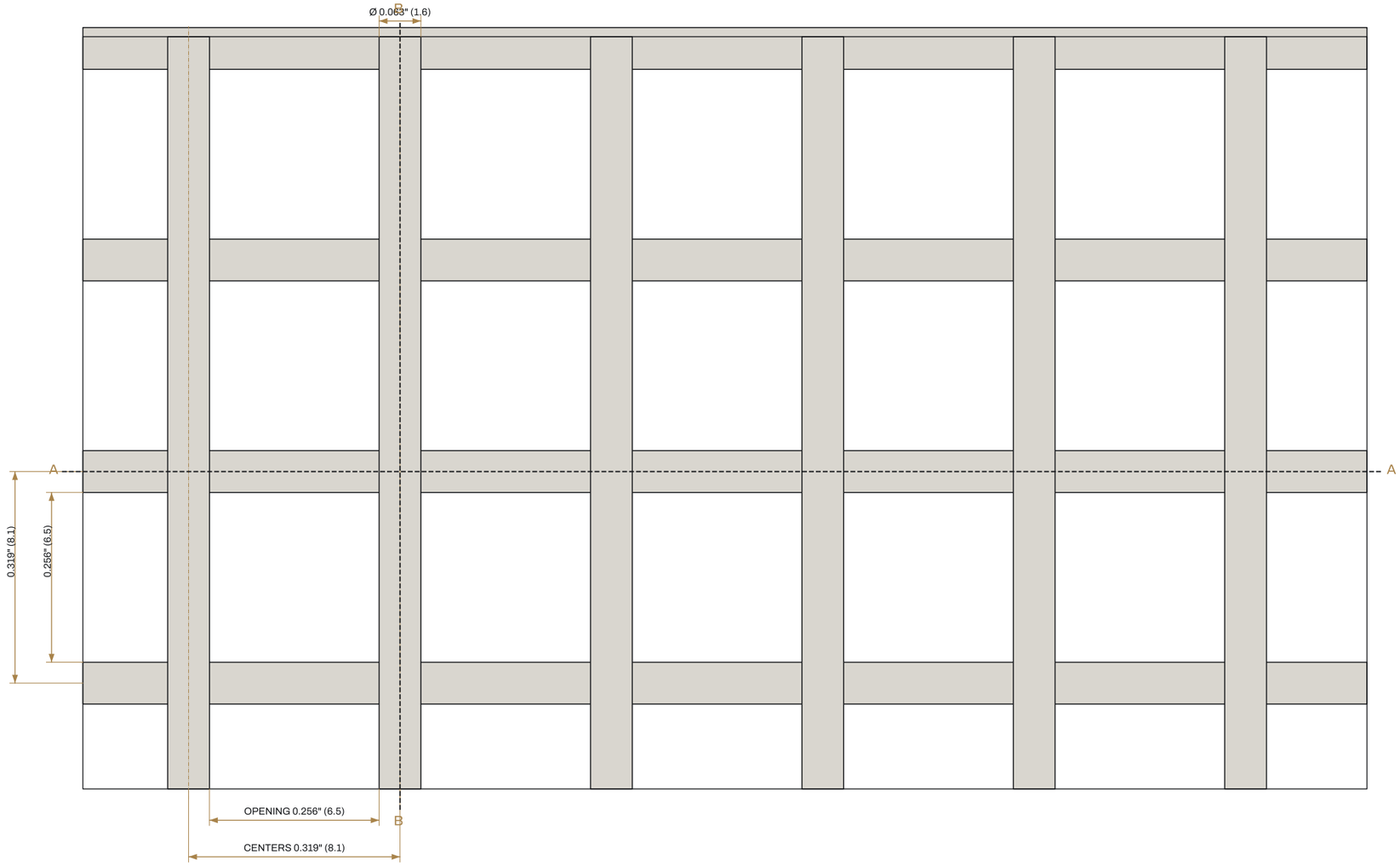
DRAWING TITLE

AXIS 81

Pattern elevation and sections

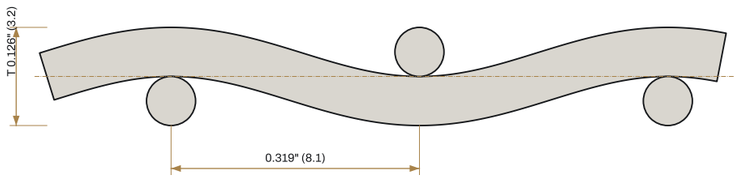
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-10	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



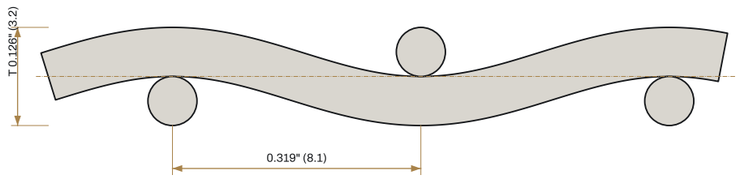
1 PATTERN ELEVATION

SCALE 5:1



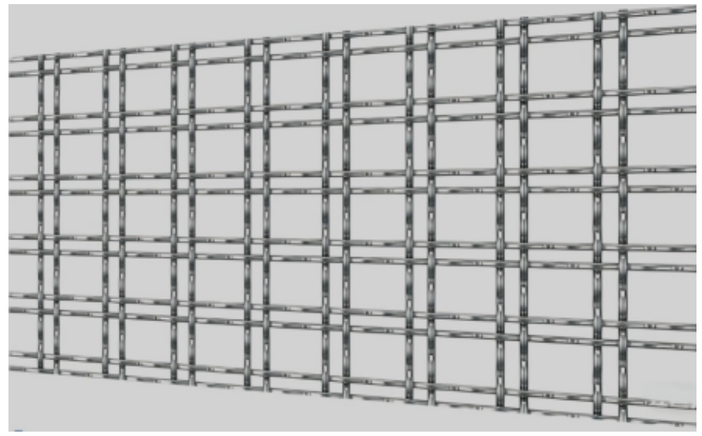
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS TWIN 64
CONSTRUCTION	Twin-wire plain crimp
PANEL TYPE	Rigid
OPEN AREA	64.5%
OVERALL THICKNESS	1/8" (3.2 mm)
WIRE DIAMETER	0.063" (1.6 mm)
OPENING (W x H)	6.5 x 6.5 mm (0.256" x 0.256")
WIRE CENTERS	8.1 x 8.1 mm (0.319" x 0.319")
CUT-OFF ANGLE	64° (short opening)
WEIGHT (SS)	0.86 lb/sq ft (4.2 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Brass, Bronze
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Wires drawn as an equivalent single-wire grid matching the published opening, wire centers and open area; grouped wires and crimp form shown schematically - see product image and physical sample.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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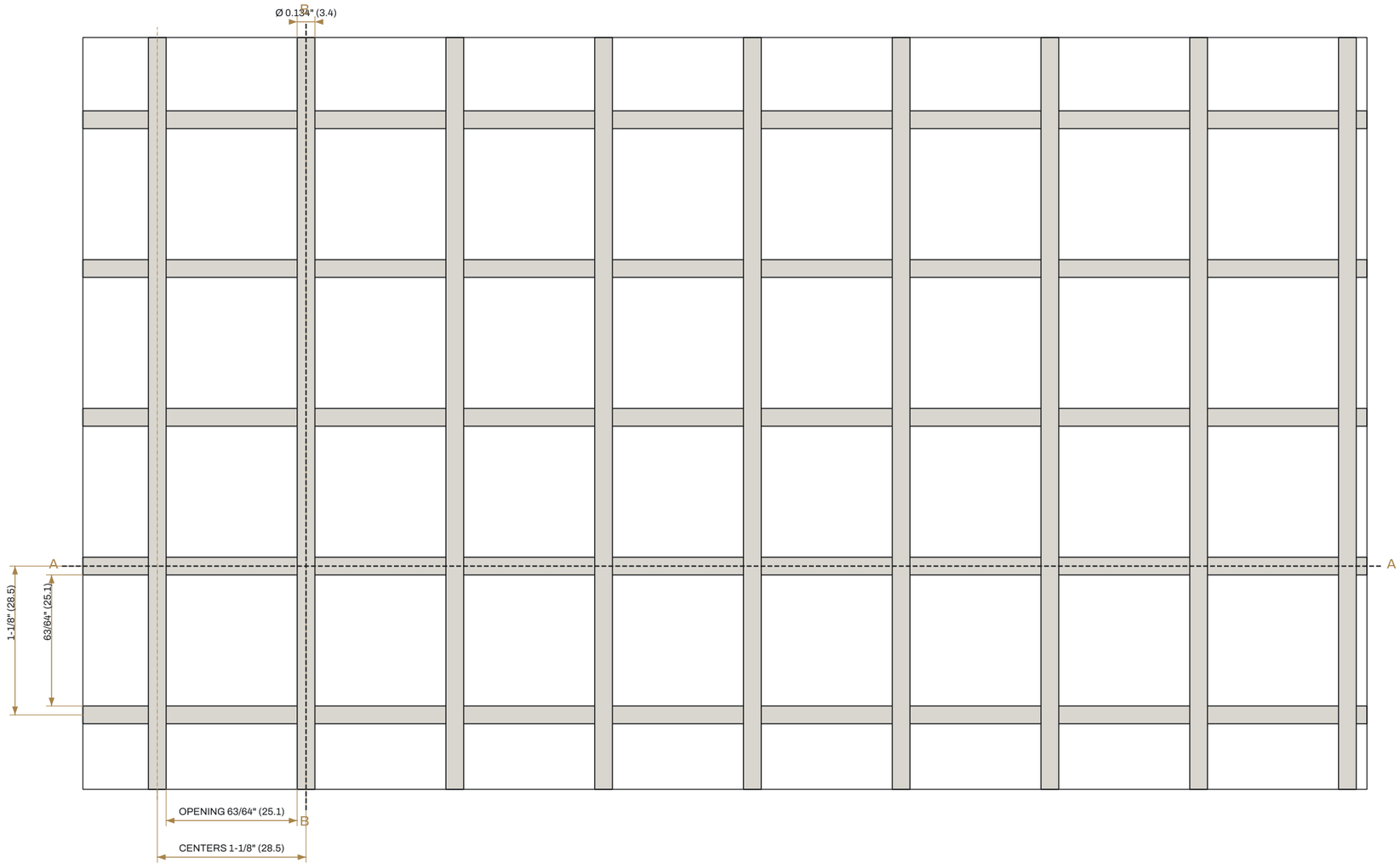
DRAWING TITLE

AXIS TWIN 64

Pattern elevation and sections

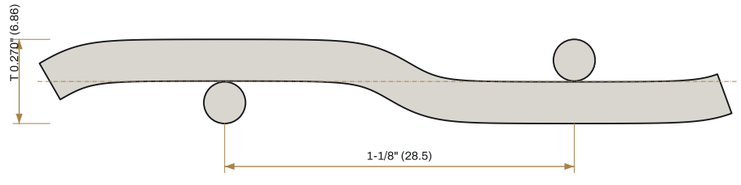
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-11	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



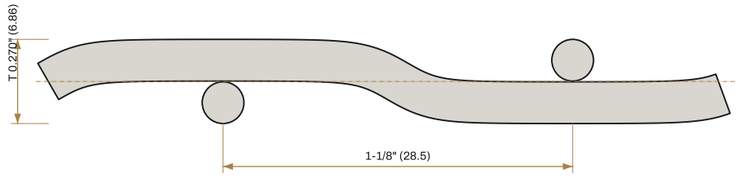
1 PATTERN ELEVATION

SCALE 1:1



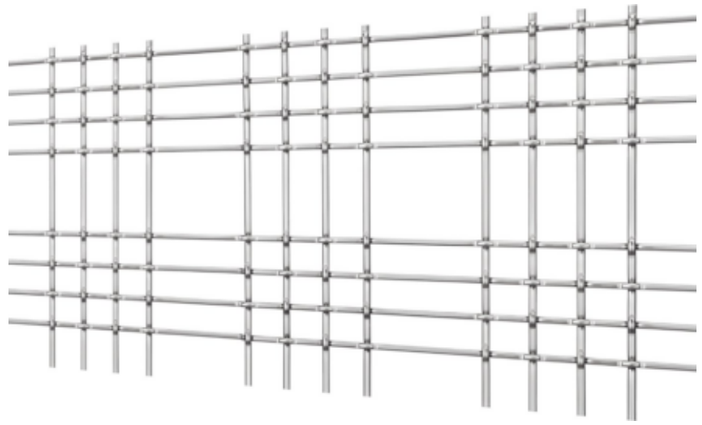
2 SECTION A-A

SCALE 2:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS QUAD 77
CONSTRUCTION	Lock crimp, 4-wire repeat
PANEL TYPE	Rigid
OPEN AREA	77.4%
OVERALL THICKNESS	17/64" (6.86 mm)
WIRE DIAMETER	0.134" (3.4 mm)
OPENING (W x H)	25.1 x 25.1 mm (0.988" x 0.988")
WIRE CENTERS	28.5 x 28.5 mm (1.122" x 1.122")
CUT-OFF ANGLE	75° (short opening)
WEIGHT (SS)	1.11 lb/sq ft (5.4 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel, Aluminum, Brass, Bronze, Copper
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Wires drawn as an equivalent single-wire grid matching the published opening, wire centers and open area; grouped wires and crimp form shown schematically - see product image and physical sample.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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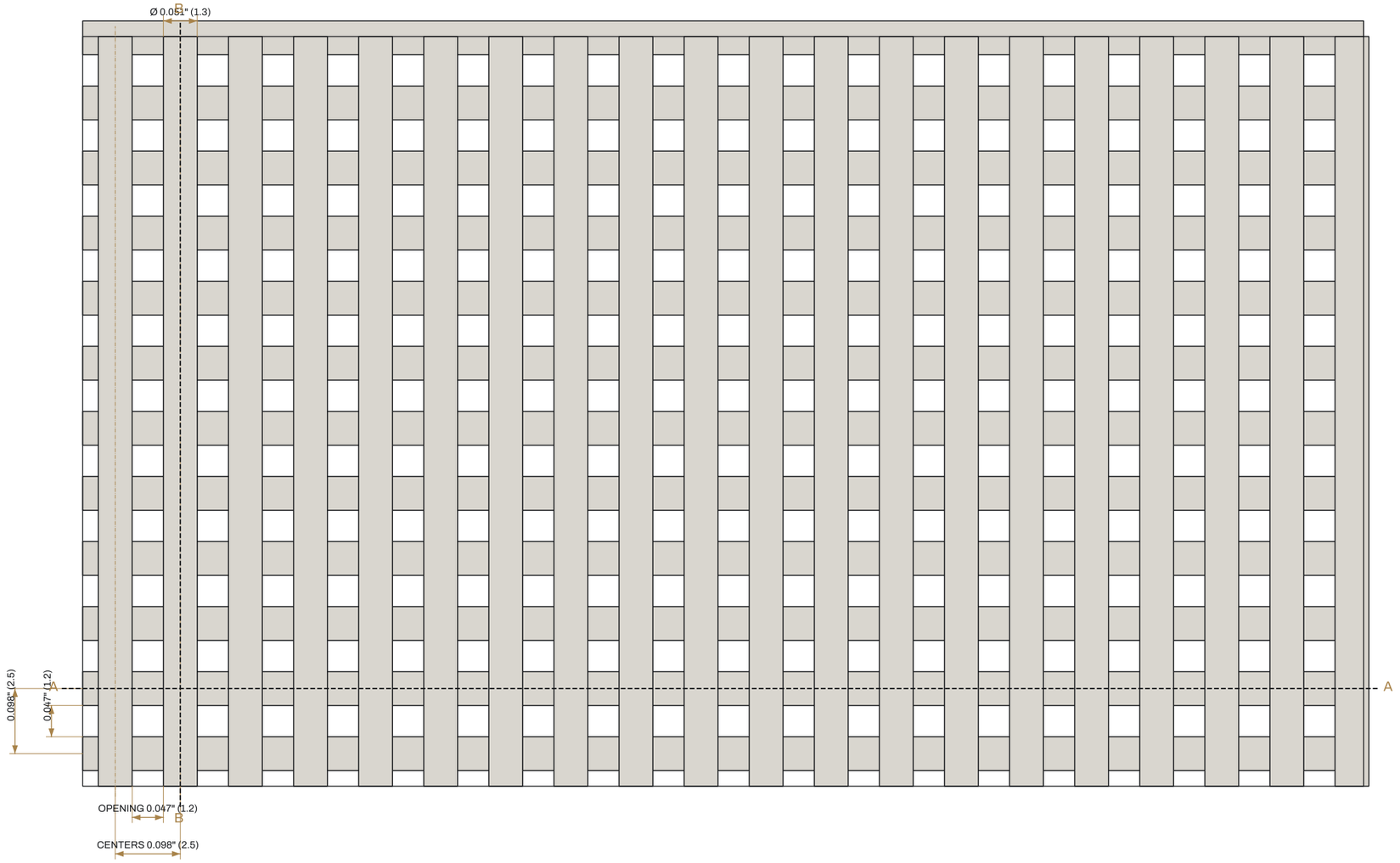
DRAWING TITLE

AXIS QUAD 77

Pattern elevation and sections

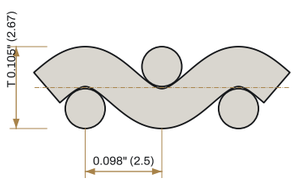
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-12	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



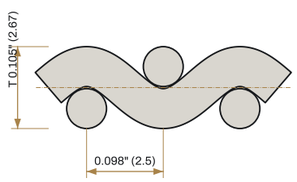
1 PATTERN ELEVATION

SCALE 5:1



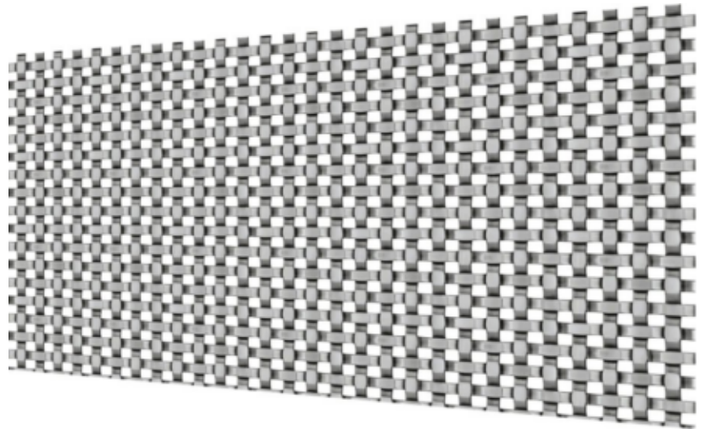
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS 21
CONSTRUCTION	Small-scale embossed weave
PANEL TYPE	Rigid
OPEN AREA	21.6%
OVERALL THICKNESS	7/64" (2.67 mm)
WIRE DIAMETER	0.051" (1.3 mm)
OPENING (W x H)	1.2 x 1.2 mm (0.047" x 0.047")
WIRE CENTERS	2.5 x 2.5 mm (0.098" x 0.098")
CUT-OFF ANGLE	24° (short opening)
WEIGHT (SS)	1.93 lb/sq ft (9.4 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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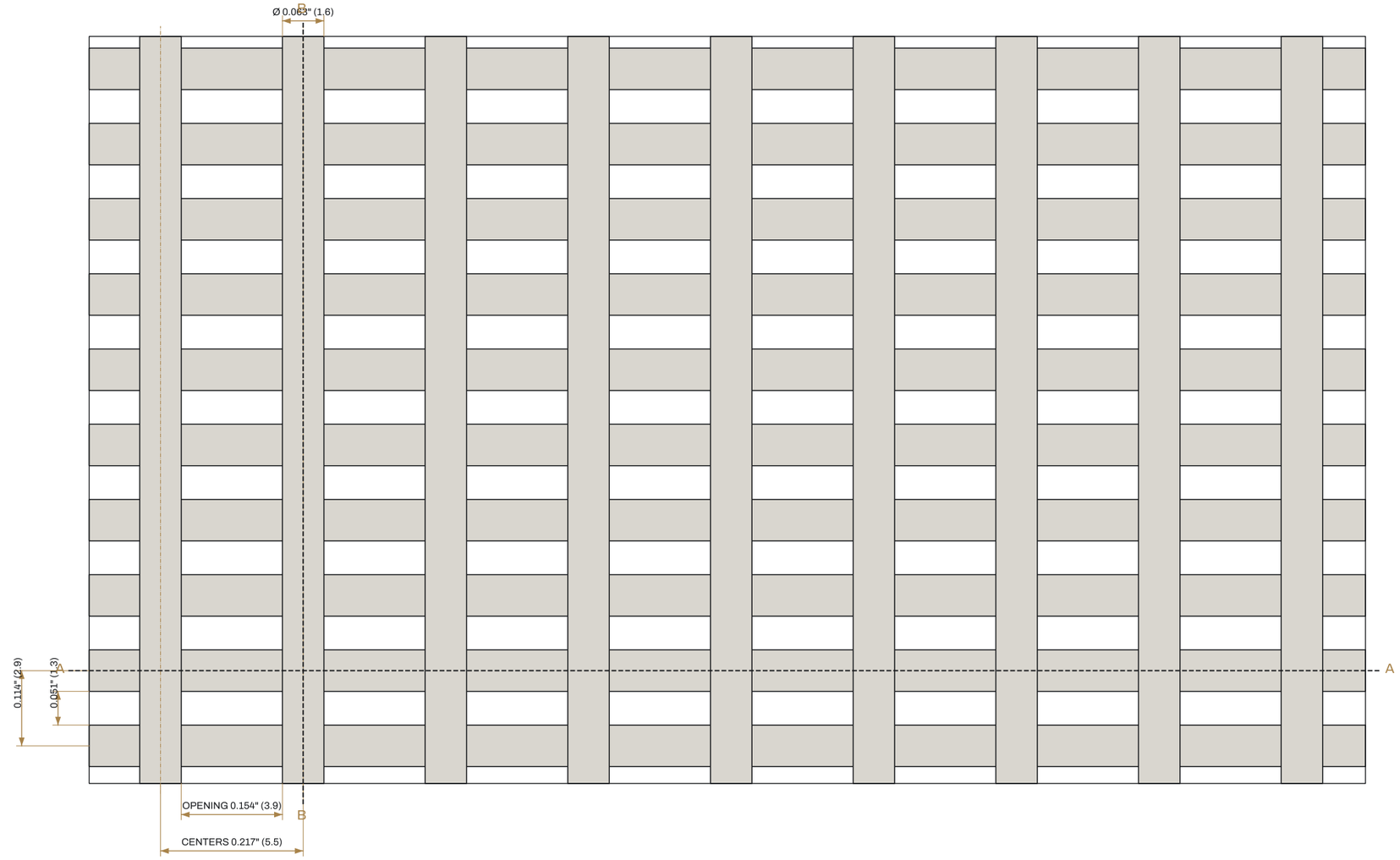
DRAWING TITLE

AXIS 21

Pattern elevation and sections

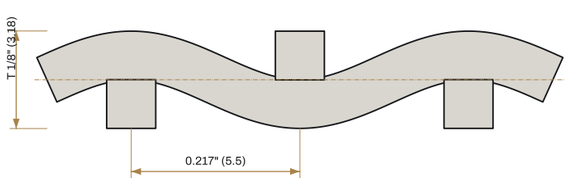
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-13	AS NOTED	2026-10-08	A	1 / 1

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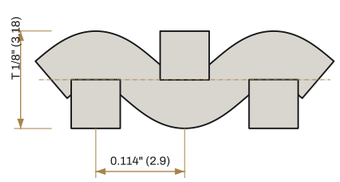
1 PATTERN ELEVATION

SCALE 5:1



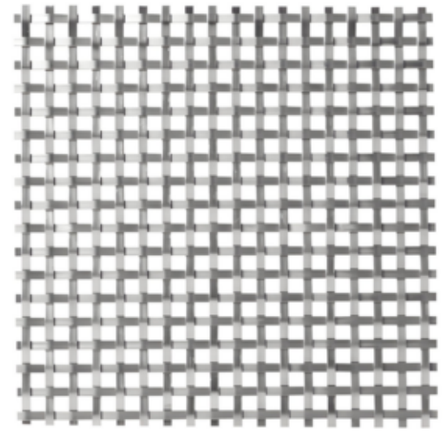
2 SECTION A-A

SCALE 5:1



3 SECTION B-B

SCALE 5:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS 32
CONSTRUCTION	Flat-wire basketweave
PANEL TYPE	Rigid
OPEN AREA	32%
OVERALL THICKNESS	1/8" (3.18 mm)
WIRE DIAMETER	0.063" (1.6 mm)
OPENING (W x H)	3.9 x 1.3 mm (0.154" x 0.051")
WIRE CENTERS	5.5 x 2.9 mm (0.217" x 0.114")
CUT-OFF ANGLE	22° (short opening)
WEIGHT (SS)	1.80 lb/sq ft (8.8 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Bronze
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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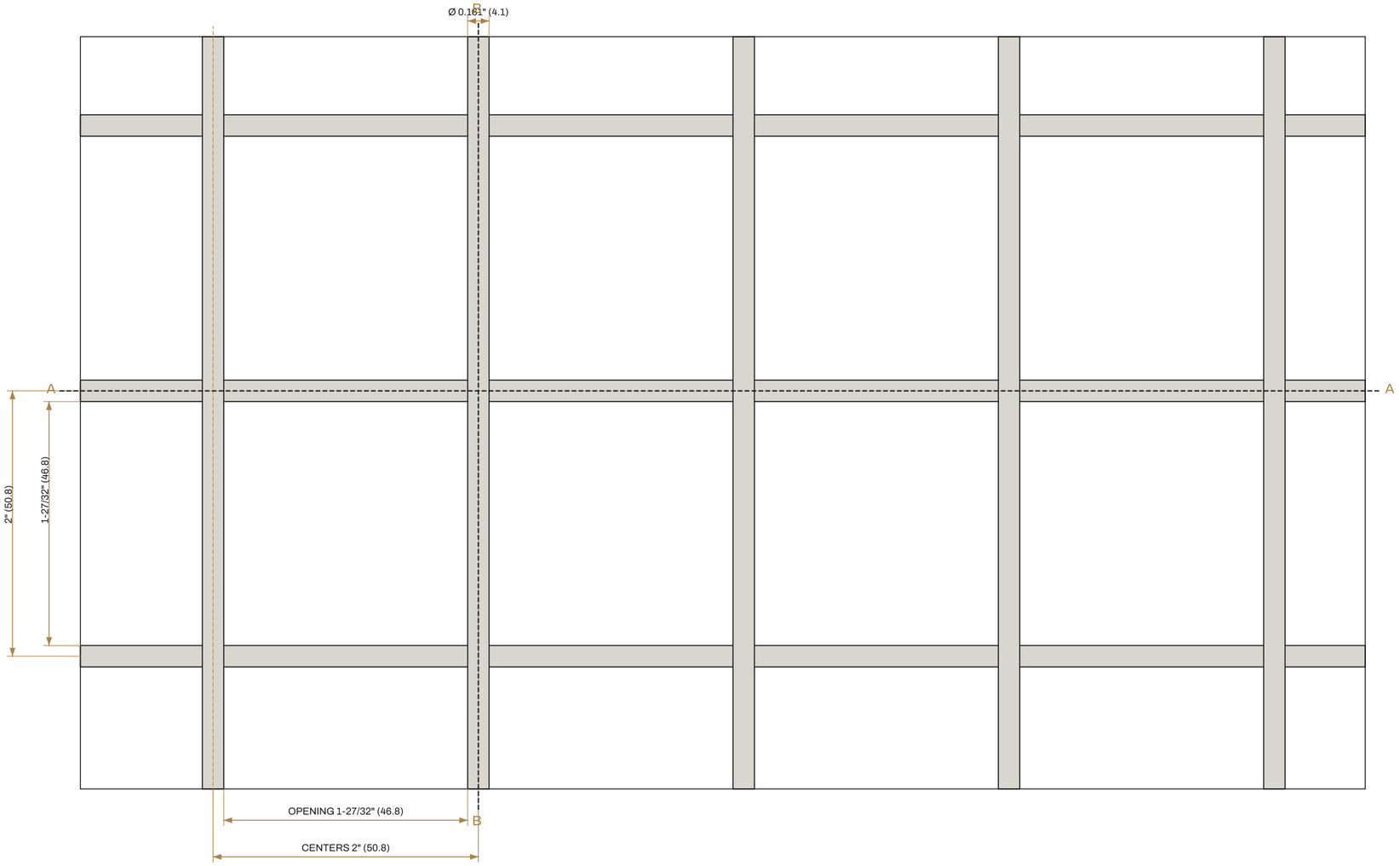
DRAWING TITLE

AXIS 32

Pattern elevation and sections

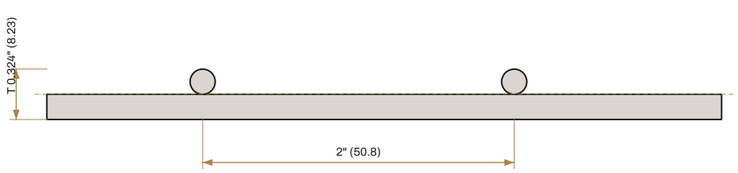
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-14	AS NOTED	2026-10-08	A	1 / 1

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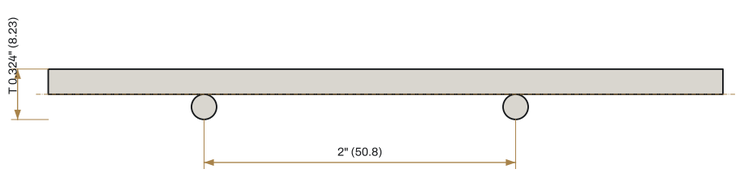
1 PATTERN ELEVATION

SCALE 1:1



2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 1:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	AXIS WELD 84
CONSTRUCTION	Welded square grid
PANEL TYPE	Rigid, welded
OPEN AREA	84.5%
OVERALL THICKNESS	21/64" (8.23 mm)
WIRE DIAMETER	0.161" (4.1 mm)
OPENING (W x H)	46.8 x 46.8 mm (1.843" x 1.843")
WIRE CENTERS	50.8 x 50.8 mm (2.000" x 2.000")
CUT-OFF ANGLE	80° (short opening)
WEIGHT (SS)	0.84 lb/sq ft (4.1 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316, Plain / galvanized steel
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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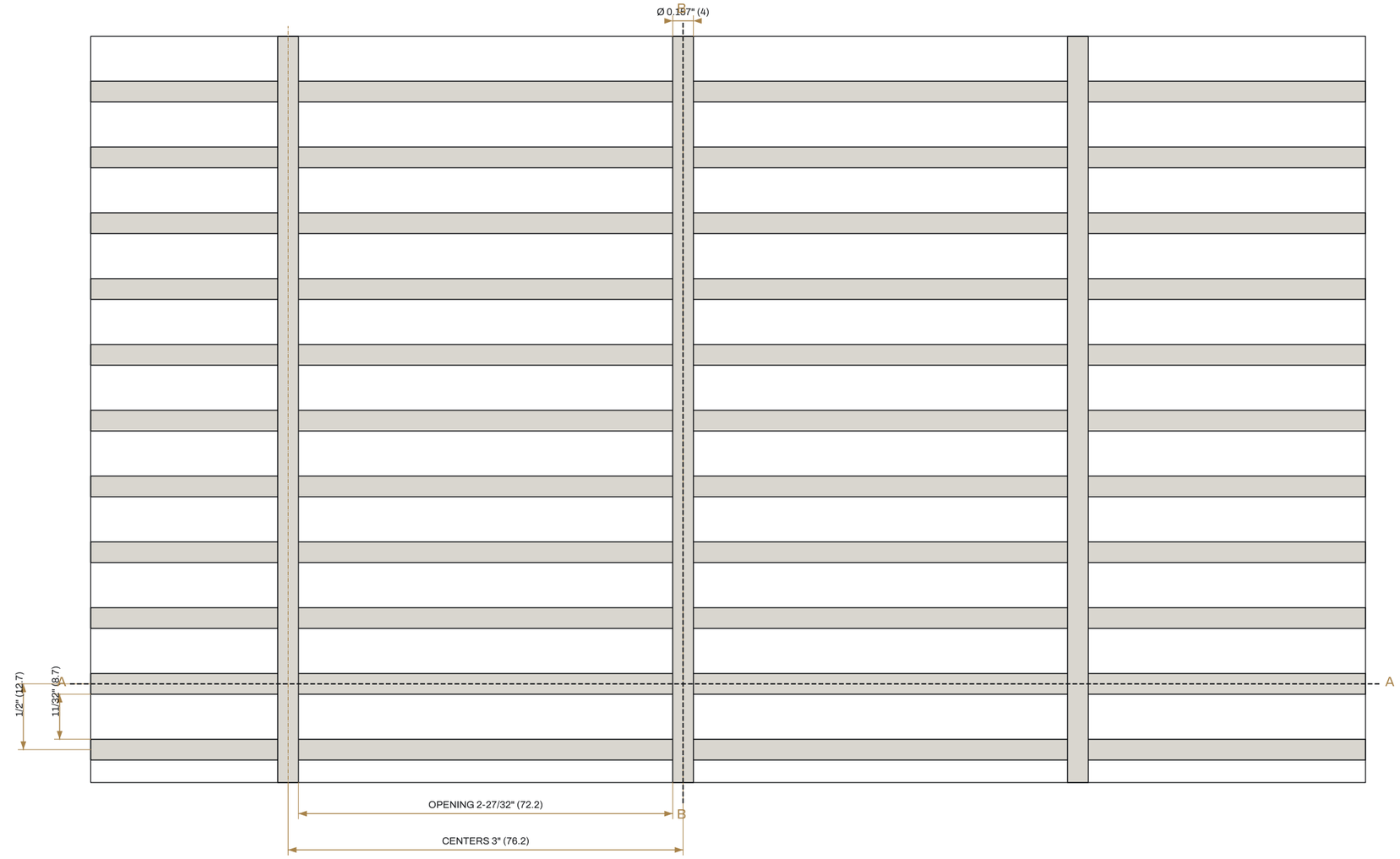
DRAWING TITLE

AXIS WELD 84

Pattern elevation and sections

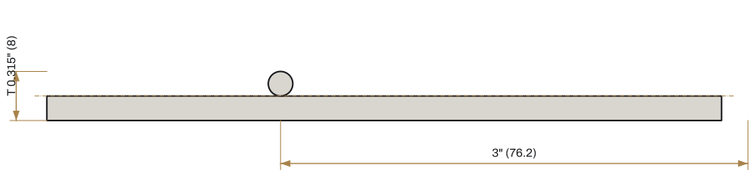
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-15	AS NOTED	2026-10-08	A	1 / 1

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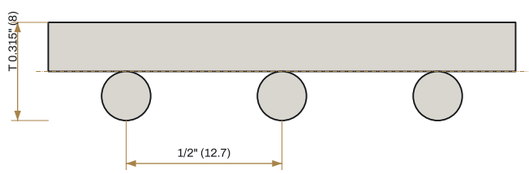
1 PATTERN ELEVATION

SCALE 1:1



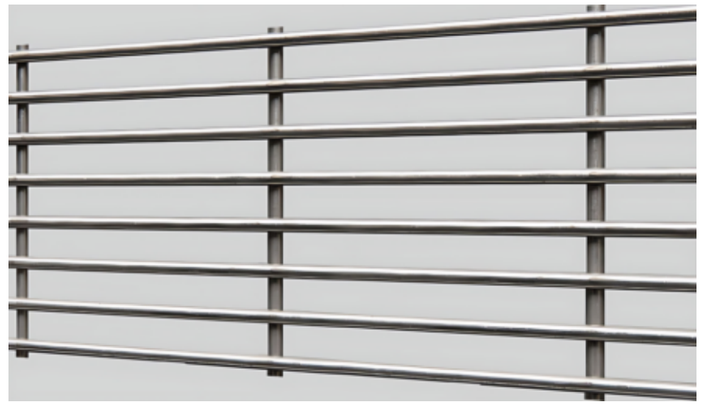
2 SECTION A-A

SCALE 1:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	ASPECT WELD 65
CONSTRUCTION	Welded 358 anti-climb mesh
PANEL TYPE	Rigid, welded
OPEN AREA	64.9%
OVERALL THICKNESS	5/16" (8.0 mm)
WIRE DIAMETER	0.157" (4.0 mm)
OPENING (W x H)	72.2 x 8.7 mm (2.843" x 0.343")
WIRE CENTERS	76.2 x 12.7 mm (3.000" x 0.500")
CUT-OFF ANGLE	47° (short opening)
WEIGHT (SS)	1.84 lb/sq ft (9.0 kg/m²)
STANDARD MATERIALS	Stainless steel 304 / 316
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Crimp form shown schematically; overall thickness measured over the woven or welded intersection.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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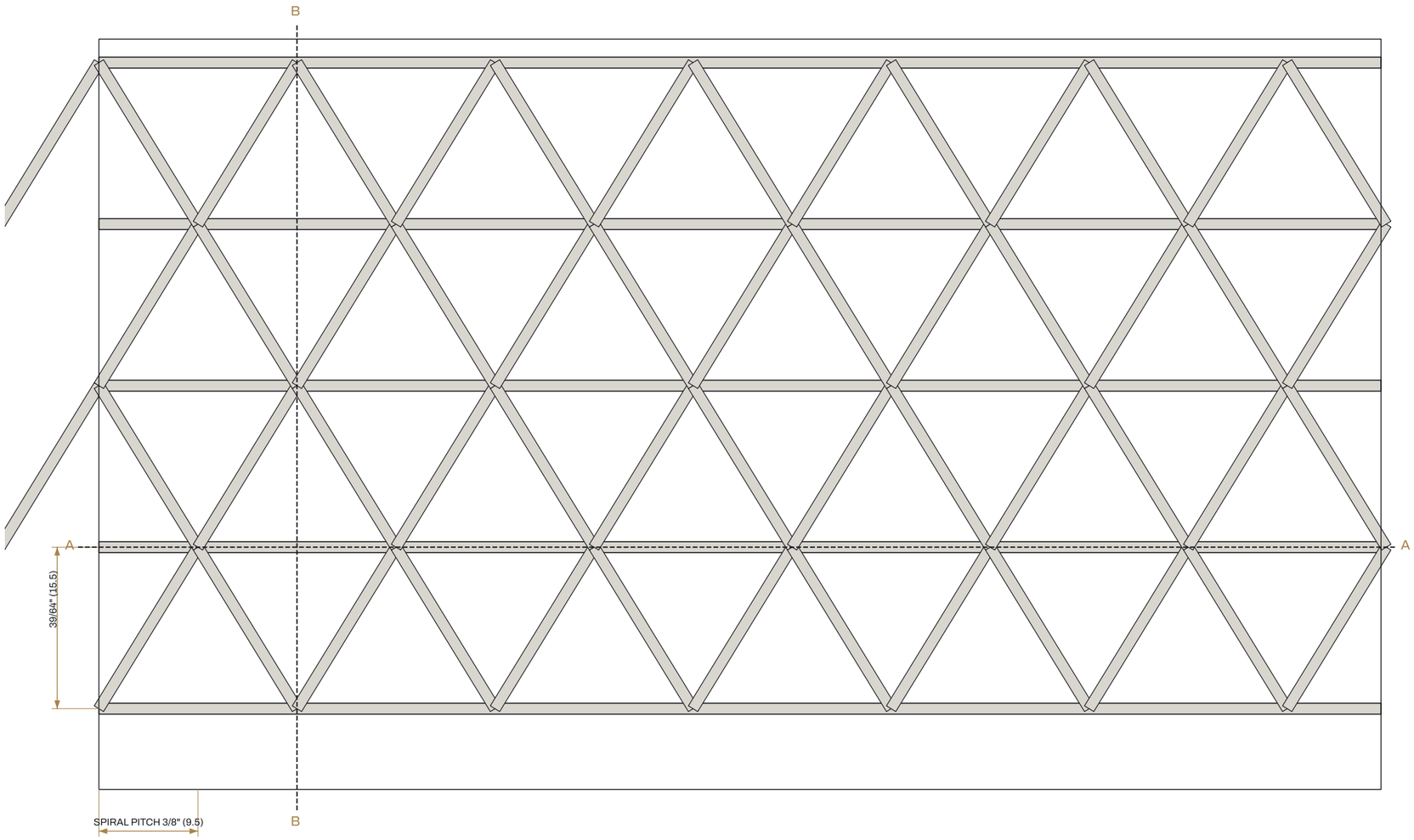
DRAWING TITLE

ASPECT WELD 65

Pattern elevation and sections

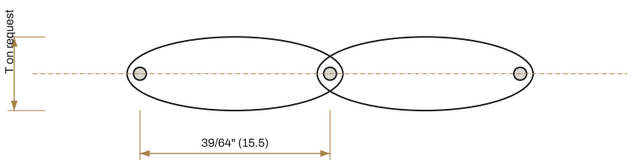
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-16	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



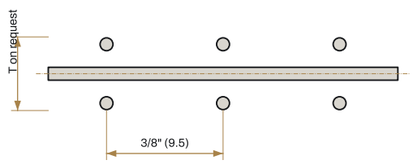
1 PATTERN ELEVATION

SCALE 2:1



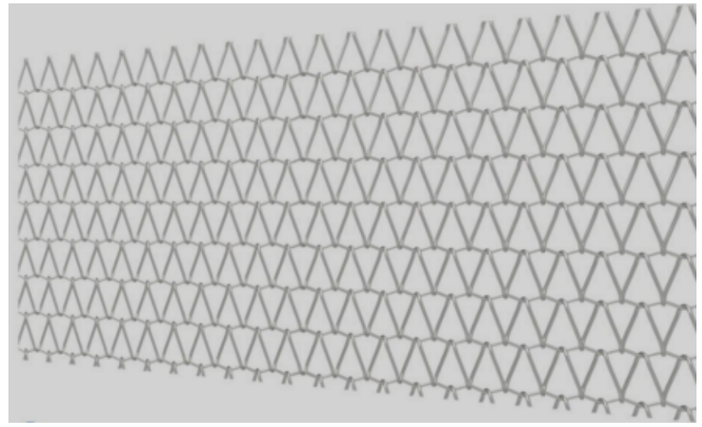
2 SECTION A-A

SCALE 2:1



3 SECTION B-B

SCALE 2:1



Product image - visual reference, not to scale

TECHNICAL DATA

MODEL	VERTEX 83
CONSTRUCTION	Spiral coil with cross rods
PANEL TYPE	Flexible (one direction)
OPEN AREA	83.2%
OVERALL THICKNESS	On request
SPIRAL WIRE	0.041" (1.05 mm)
CROSS ROD	0.041" (1.05 mm)
PITCH	Spiral 3/8" (9.5 mm), rod 39/64" (15.5 mm)
WEIGHT (SS)	0.45 lb/sq ft (2.2 kg/m²)
STANDARD MATERIAL	Stainless steel 304 / 316
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Drawing geometry in mm.
2. Values per MAISHI data sheet: calculated from pattern geometry for stainless steel, tolerance approx. 10-15%.
3. Opening geometry is pattern-specific: wire spacing shown is indicative, tuned to the published open area and weight. Confirm on shop drawings.
4. Openings shown with the long side horizontal. State the opening direction on the order (rotation 90 deg available).
5. Maximum panel size depends on pattern and alloy - confirm with MAISHI. Structural and wind load design by project engineer.
6. For design intent only. Verify all dimensions with a physical sample and MAISHI shop drawings before fabrication.

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DRAWING TITLE

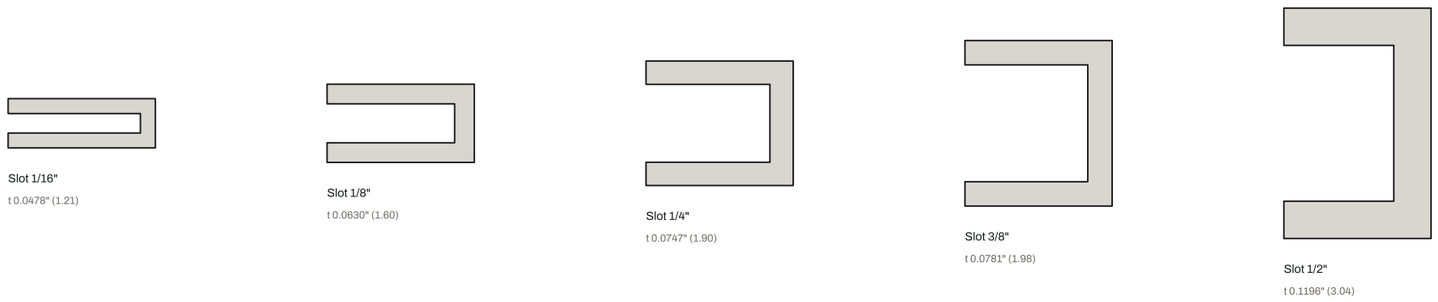
VERTEX 83

Pattern elevation and sections

DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-17	AS NOTED	2026-10-08	A	1 / 1

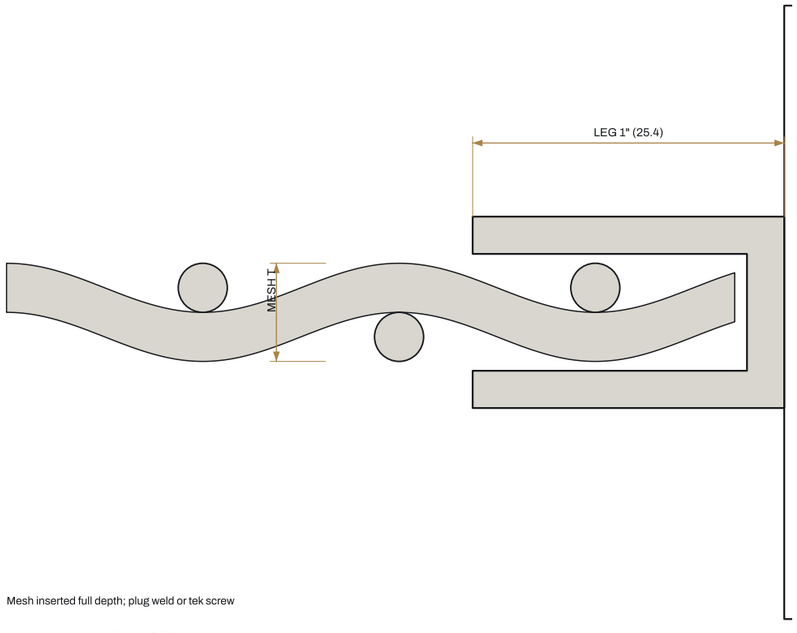
Design intent only - not for fabrication without MAISHI shop drawings.

Profiles shown with 12 mm (0.47") of the 1" (25.4 mm) legs for clarity



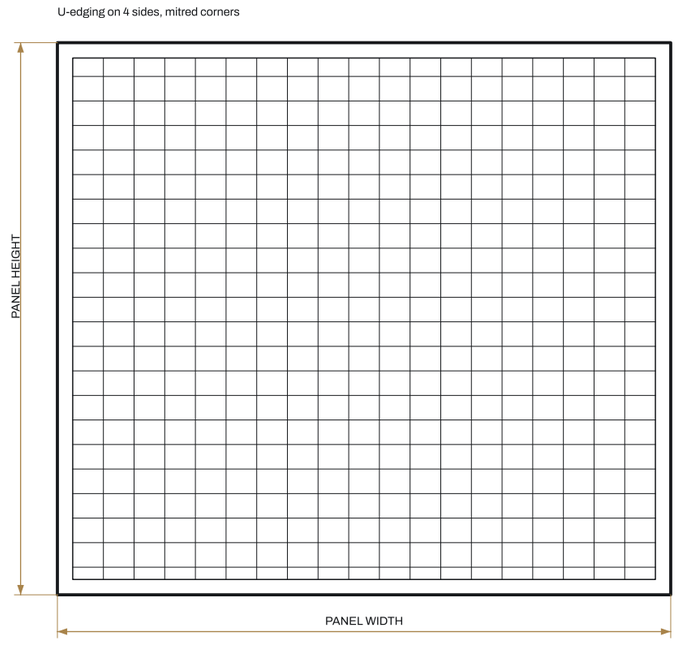
1 U-EDGING PROFILES (5 STANDARD SLOTS)

SCALE 2:1



2 CAPTURED EDGE - SECTION

SCALE 2:1



3 TYPICAL INFILL PANEL - ELEVATION

SCALE 1:10

TECHNICAL DATA

ITEM	18 U-Edging
USE	Captured edge for stair and balcony infill, partitions, screens
LEG (WIDTH)	1" (25.4 mm)
SLOT / GAUGE	1/16" / 0.0478" ; 1/8" / 0.0630" ; 1/4" / 0.0747" ; 3/8" / 0.0781" ; 1/2" / 0.1196"
SLOT (mm)	1.6 / 3.2 / 6.4 / 9.5 / 12.7 mm
GAUGE (mm)	1.21 / 1.60 / 1.90 / 1.98 / 3.04 mm
MATERIALS	Stainless steel 304 / 316, carbon steel, aluminum
LENGTHS	120" (3048 mm), 144" (3658 mm)
SELECTION	Slot = mesh overall thickness + 0.5-1 mm clearance
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Profiles in stainless steel 304 / 316, carbon steel or aluminum; standard lengths 120" (3048 mm) and 144" (3658 mm), custom lengths on request.
2. Fixings, anchors and supporting structure shown indicatively - size and spacing by project structural engineer.
3. Use the same alloy for mesh, profile and fasteners, or isolate dissimilar metals, to prevent galvanic corrosion.
4. For design intent only. Confirm with MAISHI shop drawings before fabrication.

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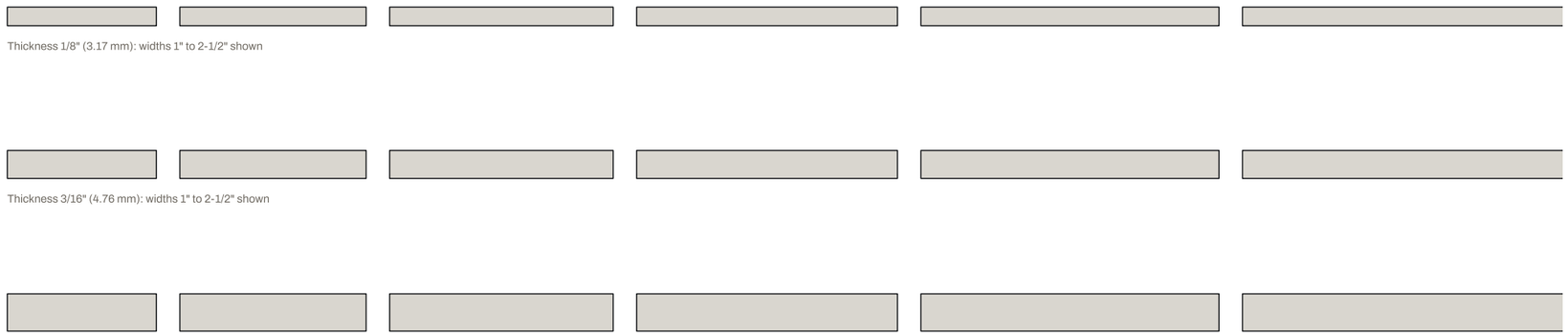
DRAWING TITLE

U-EDGING (18)

Profiles and captured-edge detail

DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-18	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



Thickness 1/8" (3.17 mm): widths 1" to 2-1/2" shown

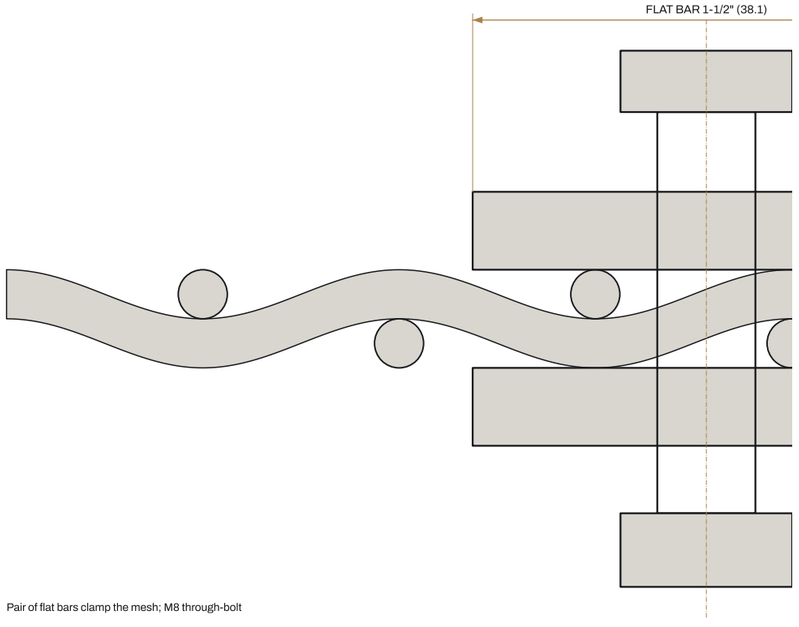
Thickness 3/16" (4.76 mm): widths 1" to 2-1/2" shown

Thickness 1/4" (6.35 mm): widths 1" to 2-1/2" shown

Also 4" (101.6) and 5-1/2" (139.7 mm) widths

1 FLAT BAR PROFILES

SCALE 1:1

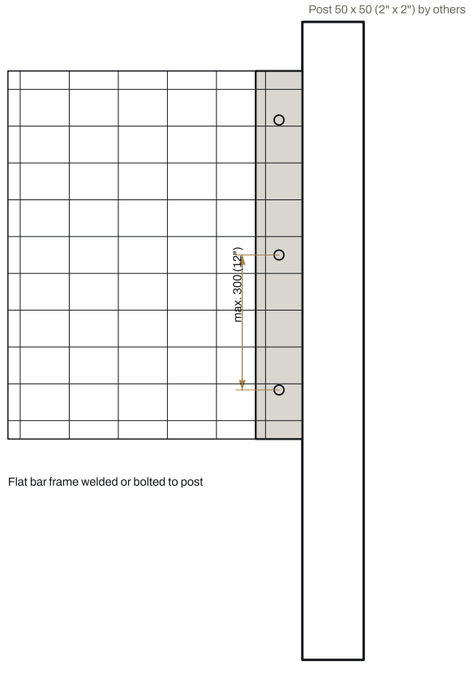


Pair of flat bars clamp the mesh; M8 through-bolt

in mesh opening at max. 300 mm (12") centers

2 CLAMPED EDGE - SECTION

SCALE 2:1



Flat bar frame welded or bolted to post

3 FIXING TO POST - ELEVATION

SCALE 1:5

TECHNICAL DATA

ITEM	19 Flat Bar
USE	Clamped edge and low-profile frames for railings, partitions, ceiling perimeters
THICKNESS	1/8" (3.18), 3/16" (4.76), 1/4" (6.35 mm)
WIDTH	1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 4", 5-1/2" (25.4 to 139.7 mm)
MATERIALS	Stainless steel 304 / 316, carbon steel, aluminum
LENGTHS	120" (3048 mm), 144" (3658 mm)
FIXING	Welded or bolted; through-bolts in mesh openings
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Profiles in stainless steel 304 / 316, carbon steel or aluminum; standard lengths 120" (3048 mm) and 144" (3658 mm), custom lengths on request.
2. Fixings, anchors and supporting structure shown indicatively - size and spacing by project structural engineer.
3. Use the same alloy for mesh, profile and fasteners, or isolate dissimilar metals, to prevent galvanic corrosion.
4. For design intent only. Confirm with MAISHI shop drawings before fabrication.

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DRAWING TITLE

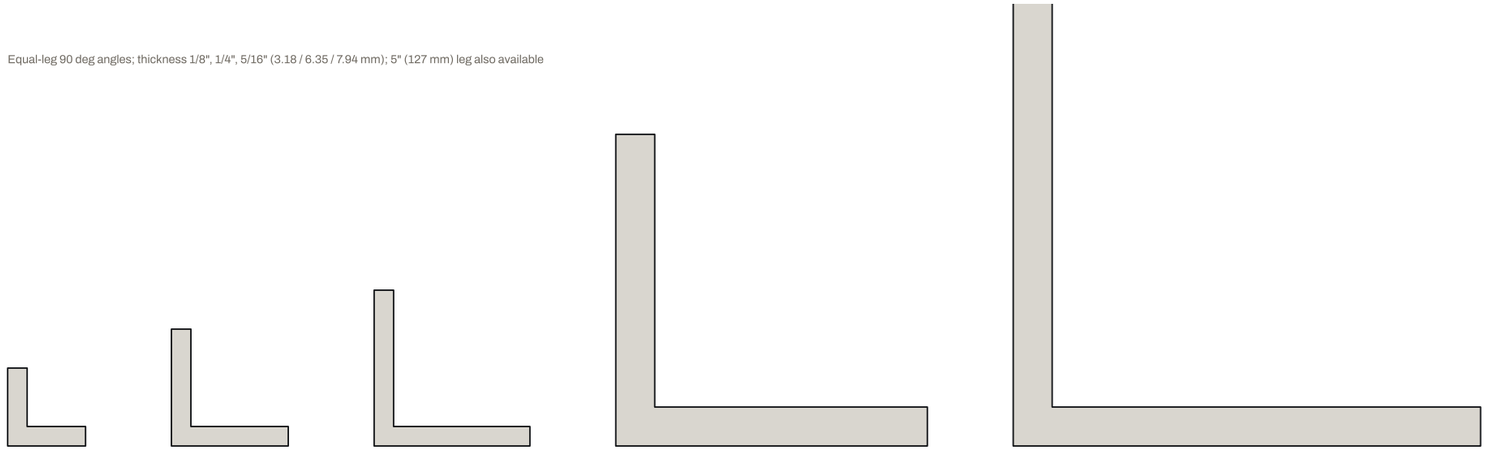
FLAT BAR (19)

Profiles and clamped-edge detail

DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-19	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.

Equal-leg 90 deg angles; thickness 1/8", 1/4", 5/16" (3.18 / 6.35 / 7.94 mm); 5" (127 mm) leg also available



1/2" x 1/8" (12.7 x 3.17 mm)

3/4" x 1/8" (19.0 x 3.17 mm)

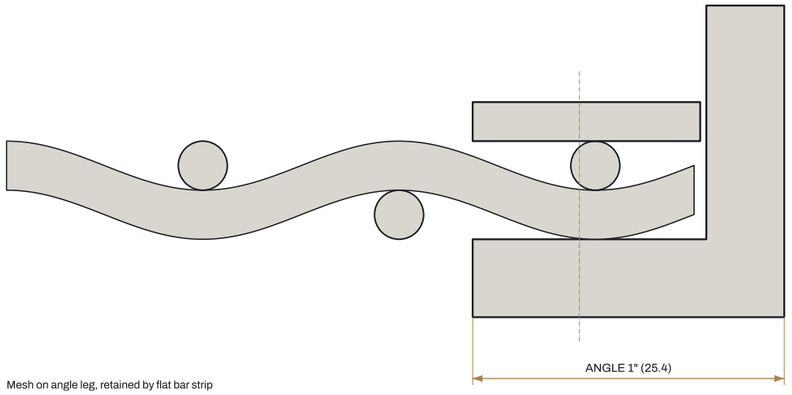
1" x 1/8" (25.4 x 3.17 mm)

2" x 1/4" (50.8 x 6.35 mm)

3" x 1/4" (76.2 x 6.35 mm)

1 ANGLE PROFILES (REPRESENTATIVE SIZES)

SCALE 1:1



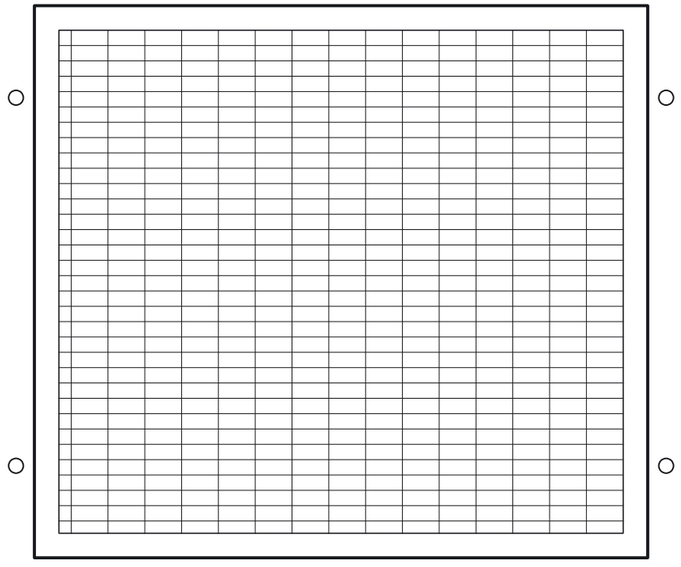
Mesh on angle leg, retained by flat bar strip

with screws / welded studs at max. 300 mm (12")

2 ANGLE FRAME - SECTION

SCALE 2:1

Angle frame, welded corners; fixing lugs to structure



3 FRAMED PANEL - ELEVATION

SCALE 1:10

TECHNICAL DATA

ITEM	20 Angle
USE	Rigid 90 deg frames for heavy railings and large facade panels; surface or recess mounted
LEG	1/2", 3/4", 1", 2", 3", 5" (12.7 to 127 mm)
THICKNESS	1/8", 1/4", 5/16" (3.18, 6.35, 7.94 mm)
MATERIALS	Stainless steel 304 / 316, carbon steel, aluminum
LENGTHS	120" (3048 mm), 144" (3658 mm)
FIXING	Welded or bolted frame; lugs or angle cleats to structure
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. All dimensions nominal, shown imperial (metric mm). Profiles in stainless steel 304 / 316, carbon steel or aluminum; standard lengths 120" (3048 mm) and 144" (3658 mm), custom lengths on request.
2. Fixings, anchors and supporting structure shown indicatively - size and spacing by project structural engineer.
3. Use the same alloy for mesh, profile and fasteners, or isolate dissimilar metals, to prevent galvanic corrosion.
4. For design intent only. Confirm with MAISHI shop drawings before fabrication.

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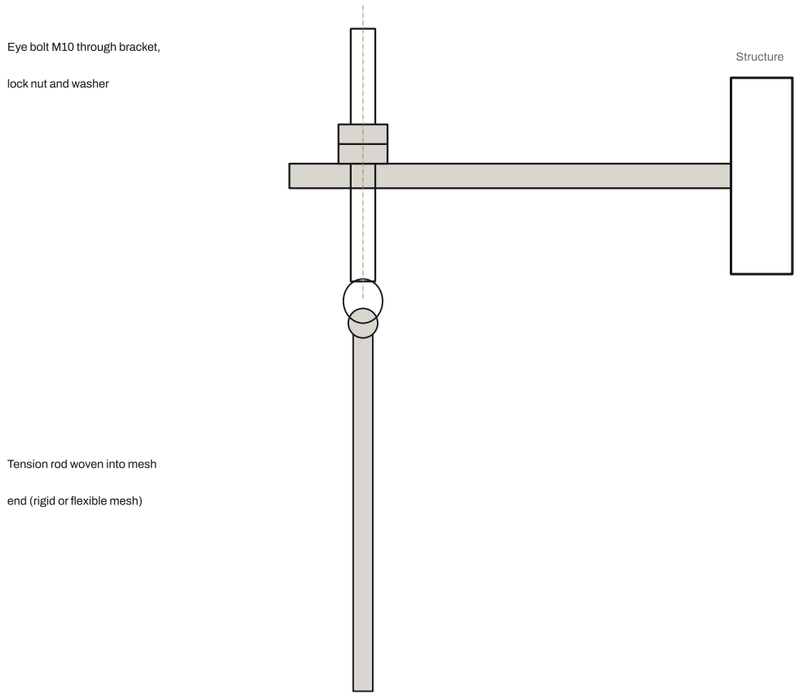
DRAWING TITLE

ANGLE (20)

Profiles and angle-frame detail

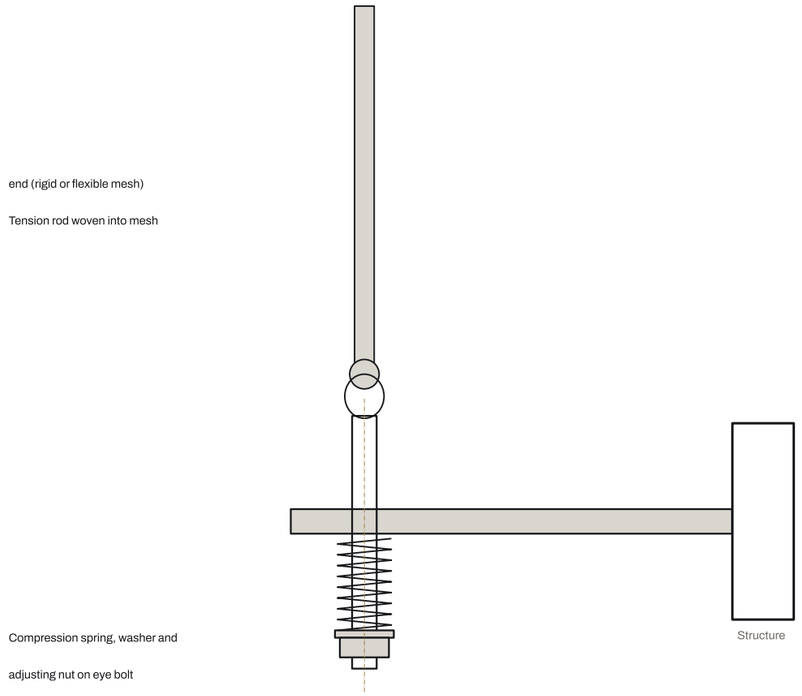
DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-20	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.



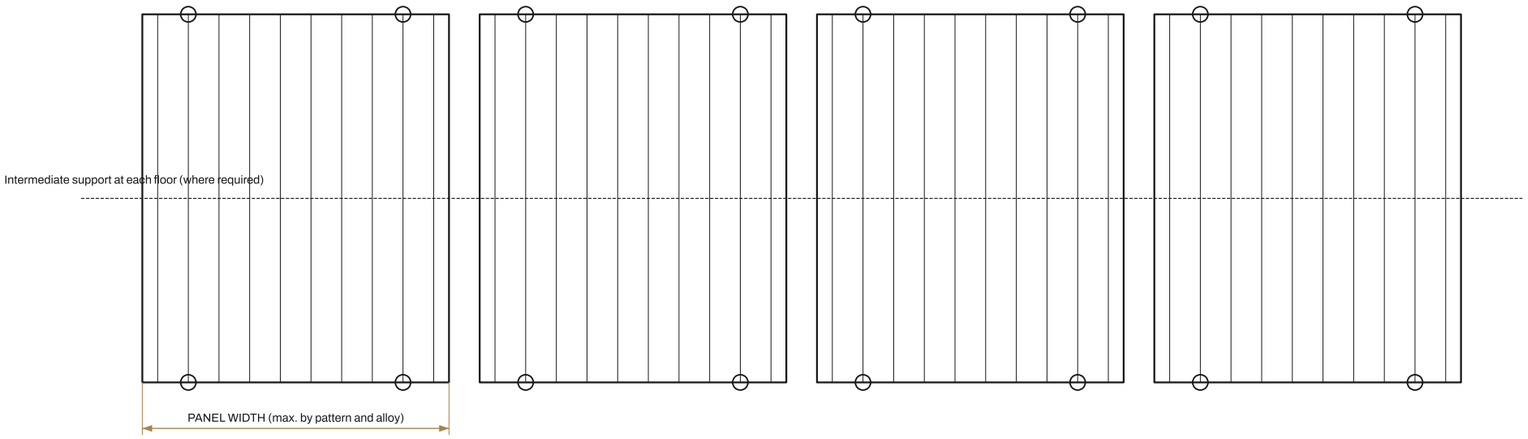
1 TOP FIXING - VERTICAL SECTION

SCALE 1:2.5



2 BOTTOM FIXING - VERTICAL SECTION

SCALE 1:2.5



3 TENSIONED FACADE - ELEVATION (SCHEMATIC)

SCALE 1:20

TECHNICAL DATA

SYSTEM	Tensioned mesh facade
FOR	ASPECT REST 64, VERTEX 83 (flexible); large-format ASPECT / AXIS panels
TOP	Woven-in tension rod, eye bolt or clevis to bracket
BOTTOM	Eye bolt with compression spring; adjustable tension
SUPPORT	Brackets at rod ends; intermediate supports at floors
MATERIALS	Stainless steel 316 for exterior
MASTERFORMAT	05 70 00 Decorative Metal

NOTES

1. Fixings, anchors and supporting structure shown indicatively - size and spacing by project structural engineer.
2. Use the same alloy for mesh, profile and fasteners, or isolate dissimilar metals, to prevent galvanic corrosion.
3. For design intent only. Confirm with MAISHI shop drawings before fabrication.
4. Panel weight, wind load, deflection and spring sizing to be verified by the project structural engineer.

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DRAWING TITLE

TENSION SYSTEM

Typical details for tensioned facades

DRAWING NO.	SCALE	DATE	REV	SHEET
MS-AM-21	AS NOTED	2026-10-08	A	1 / 1

Design intent only - not for fabrication without MAISHI shop drawings.