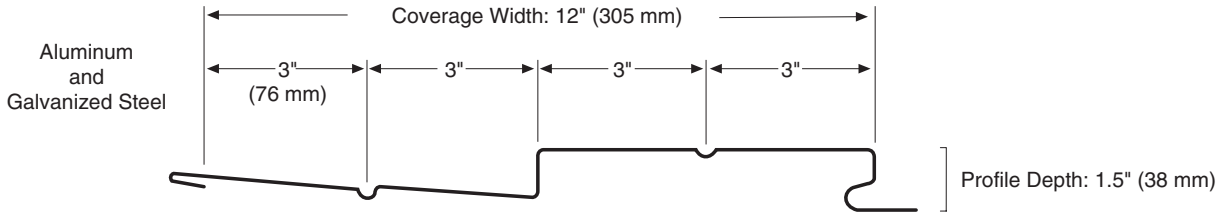


TECHNICAL DATA SHEET



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Mesawall Siding



Profile Dimensions

	Overall Width	Coverage Width	Rib Pitch	Profile Depth
Aluminum	N/A	12"	N/A	1.5"
Steel	N/A	12"	N/A	1.5"

Load Span Table

MESAWALL	NO. SPANS	LOAD (PSF)								
		20	25	30	35	40	45	50	55	60
Siding Allowable Span										
.032" Aluminum	1	6'-2"	5'-6"	5'-0"	4'-8"	4'-5"	4'-1"	3'-11"	3'-8"	3'-7"
	2	6'-2"	5'-6"	5'-0"	4'-8"	4'-5"	4'-1"	3'-11"	3'-8"	3'-7"
.040" Aluminum	1	7'-7"	6'-10"	6'-2"	5'-8"	5'-5"	5'-1"	4'-10"	4'-7"	4'-5"
	2	7'-7"	6'-10"	6'-2"	5'-8"	5'-5"	5'-1"	4'-10"	4'-7"	4'-5"
24 GA. Steel	1	7'-11"	6'-6"	6'-2"	5'-9"	5'-5"	5'-1"	4'-10"	4'-6"	4'-5"
	2	8'-2"	6'-10"	6'-3"	5'-9"	5'-5"	5'-1"	4'-10"	4'-6"	4'-5"
22 GA. Steel	1	8'-8"	7'-3"	6'-10"	6'-6"	6'-2"	5'-11"	5'-9"	5'-6"	5'-3"
	2	9'-1"	8'-1"	7'-6"	6'-10"	6'-5"	6'-1"	5'-9"	5'-6"	5'-3"
20 GA. Steel	1	9'-4"	7'-11"	7'-6"	7'-1"	6'-9"	6'-6"	6'-4"	6'-1"	5'-11"
	2	10'-4"	9'-6"	8'-7"	7'-9"	7'-5"	7'-0"	6'-8"	6'-4"	6'-1"
18 GA. Steel	1	10'-0"	9'-4"	8'-9"	8'-4"	7'-11"	7'-8"	7'-5"	7'-2"	6'-10"
	2	13'-1"	11'-8"	10'-8"	9'-11"	9'-3"	8'-9"	8'-3"	7'-11"	7'-7"

NOTES:

1. Allowable deflection for aluminum is L/60.
2. Allowable deflection for steel is L/180.

Material Specifications

Aluminum

Alloy 3004 in compliance with the Aluminum Association Composition Specifications and conforming to ASTM B209-96 is standard. Alloy 3004 Alclad (Alloy 7072 cladding is used) is also available. Available smooth or stucco embossed.

Steel

Grade 33 structural quality conforming to ASTM A653, galvanized to ASTM A924, G90 Class is standard. Available smooth or stucco embossed.

TECHNICAL DATA SHEET

Mesawall Siding



Engineering Properties

Aluminum	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
.032"	0.1625	0.2419	0.1986	0.2958	64.6
.040"	0.2123	0.2973	0.2453	0.3633	81.2
.050"	0.2882	0.3762	0.3123	0.4591	101.2

Steel	I + (in ⁴ /ft)	S + (in ³ /ft)	I - (in ⁴ /ft)	S - (in ³ /ft)	Lbs/Sq Painted
24 ga	0.0799	0.0754	0.1444	0.2030	145.9
22 ga	0.1158	0.0924	0.1822	0.2559	180.4
20 ga	0.1516	0.1226	0.2203	0.3096	214.9
18 ga	0.2301	0.1924	0.2972	0.4174	285.5

Tolerances

- Standard Lengths: 5'0" to 40'0"
Length Tolerance: +1/2" - 0
- Overall Width: ± 1/8"
- Coverage Width: ± 1/16"
- Squareness:

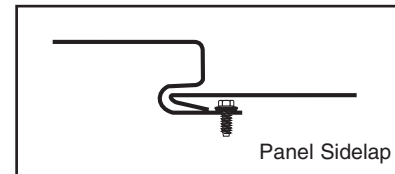
<u>Length</u>	<u>Squareness Tolerance</u>
0" - 8'0"	1/8"
8'1" - 15'0"	1/4"
15'1" - 40'0"	1/2"

Installation & Fastening Guidelines

- Fastening Patterns for 20 psf load conditions*:
Panel field: 12" (on concealed female fastening leg)

Mesawall can be swedged for endlapping on multi-course sidewall applications.

- Available with factory-applied butyl sealant.



- * Consult Alcoa for attachment guidelines for greater load condition details.

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