Technical specifications

DESCRIPTION
Demountable steel faced partition.

STRUCTURE
- SOLID ELEMENTS:
  - Thickness: 82 mm
  - Uprights/Studs: steel sections, 2 x 0,8 mm clinched clamping stud
  - Panels: steel, galvanized, 0,8 mm on 12,5 mm plasterboard backing
  - Fabric covered steel panels
  - Internal filling: mineral wool
  - Floor and ceiling U-channels: 1,5 mm galvanized steel sections

- GLAZED ELEMENTS:
  - Double glazed panels in 4, 6 or 8 mm thickness in aluminium or steel sections
  - Integrated blinds possible

- DOOR ELEMENTS:
  - Doorframe: aluminium or steel frames provided with 3 hinges
  - Door leaves: Wide range of doors from 40 mm or 82 mm double glazed doors.
    Check our doors range for further options

JOINTS
0 mm joint.

FINISHES
- SURFACE TREATMENT: for all visible metal parts: environmental friendly epoxy powder coating approx. 80μ thickness.

- COLOURS: according to Maars colour chart. Other colours possible after consultation.

- GLAZING: a variety of options is available, such as sandblasting, film, painted glass. Other manifestations possible after consultation.

STANDARD DIMENSIONS
- Height: 3100 mm
- Width: solid panels 900/1200 mm, glass 900/1200 mm
  Other sizes in height or width after consultation.
- Weight: 35 kg/m², solid

INSTALLATION
- TOLERANCES:
  - Floor: +/- 13 mm
  - Ceiling: +/- 13 mm
  - Adjustable floor track for easy adjusting of tolerances

- CONNECTION:
  All elements are connected by using clamping studs; monoblock elements are connected through a patented "twist and click" connector, enabling easy installation and easy disassembly.

- INTEGRATION OF ELECTRICAL AND DATA SERVICES
  Perforated clamping studs provide access for wiring and other services. Demountable panelling provides easy access for installation afterwards.

CLEANING
Please check our website for our cleaning and maintenance instructions.

LIVING OPTIONS
Maars offers a wide range of options which can be integrated in our partitioning systems, depending on the type of wall. Ventilation studs, sound panels, cupboards, shelving systems, climate control panels, dynamic lighting, multimedia, panels clad with textile, privacy glass and our wide range of Maars Magnetics.
See: www.maarsmagnetics.com.
Check the Living Options brochure and www.maarslivingwalls.com for more information.

ACOUSTICS 82 MM
Weighted sound reduction index to EN ISO 717-1
- Solid: From Rw (C ; Ctr)= 45 (-2 ; -6) dB
  to Rw (C ; Ctr)= 48 (-2 ; -7) dB
- Glazed panels: From Rw (C ; Ctr)= 29 (-1 ; -4) dB
  to Rw (C ; Ctr)= 44 (-1 ; -5) dB
- Door, solid: From Rw (C ; Ctr)= 31 (-2 ; -2) dB
  to Rw (C ; Ctr)= 37 (-1 ; -4) dB
- Glazed door: Rw (C ; Ctr)= 30 (0 ; -1) dB

FIRE 82 MM
Fire resistance to EN 1363-2, EN 1364-1 and EN 1634-1: Equivalent to BS Standards.
- Solid: EI 60
- Glazed: EI 60
- Door: EI 60

ACOUSTICS 100 MM
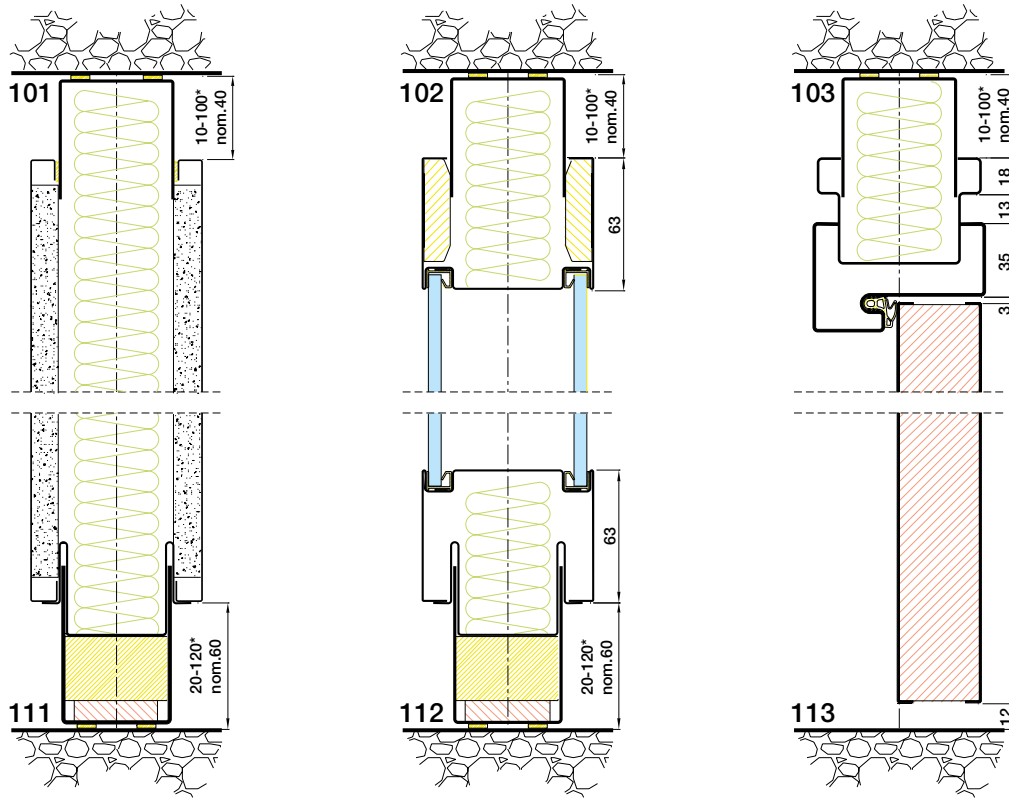Weighted sound reduction index to EN ISO 717-1
- Solid: From Rw (C ; Ctr)= 50 (-2 ; -7) dB
  to Rw (C ; Ctr)= 53 (-2 ; -6) dB
- Door, solid: From Rw (C ; Ctr)= 31 (-2 ; -2) dB
  to Rw (C ; Ctr)= 37 (-1 ; -4) dB
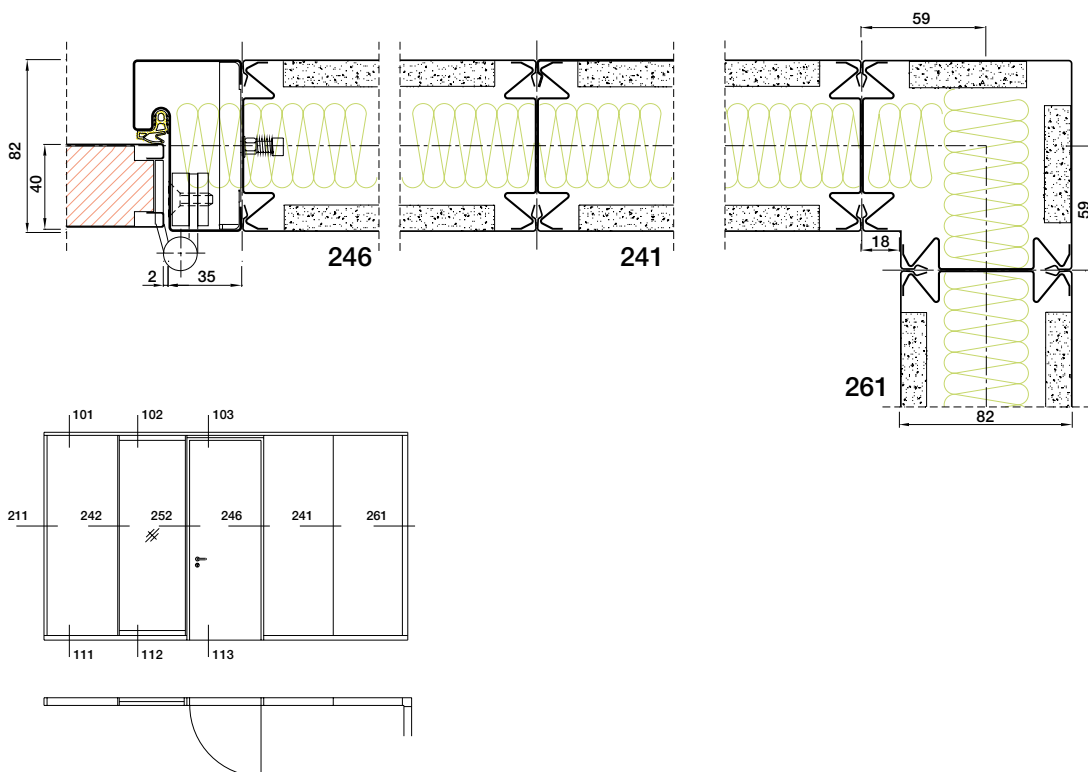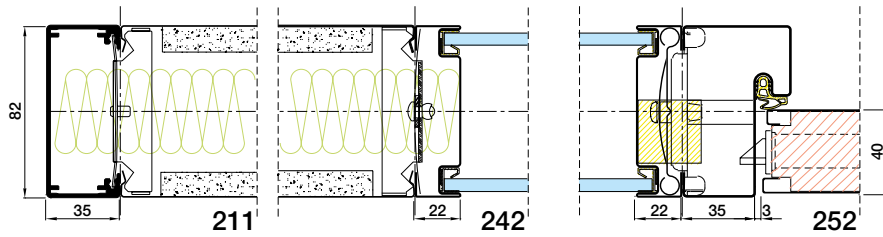- Door, glazed: From Rw (C ; Ctr)= 39 (0 ; -2) dB

FIRE 100 MM
Fire resistance to EN 1363-2 and EN 1364-1 Equivalent to BS Standards.
- Solid: EI 60, E120

Due to our policy of constant improvement our products are subject to change. Please check for the latest details: www.maarslivingwalls.com

101 10-100* nom.40

102 10-100* nom.40 / 63

103 10-100* nom.40 / 18 / 13 / 35 / 3

111 20-120* nom.60

112 63 / 20-120* nom.60

113 12

*Deviations of nominal sizes are optional. Standard tolerance +/- 13 mm on nominal size

211 82 / 35

242 22

252 22 / 35 / 3 / 40

246 82 / 40 / 2 / 35

241

261 59 / 18 / 59 / 82

101 102 103

211 242 252 246 241 261

111 112 113

Technical specifications

DESCRIPTION
Demountable steel faced partition.

STRUCTURE
- SOLID ELEMENTS:
  - Thickness: $3\frac{1}{4}$"
  - Uprights/Studs: steel sections, 2 x $\frac{1}{16}$" clinched clamping stud
  - Panels: steel, galvanized, $\frac{1}{16}$" on $\frac{1}{2}$" plasterboard backing
  - Fabric covered steel panels
  - Internal filling: mineral wool
  - Floor and ceiling U-channels: $\frac{1}{16}$" galvanized steel sections

- GLAZED ELEMENTS:
  - Double glazed panels in $\frac{3}{16}$", $\frac{1}{4}$" or $\frac{5}{16}$" thickness in aluminium or steel sections
  - Integrated blinds possible

- DOOR ELEMENTS:
  - Doorframe: aluminium or steel frames provided with 3 hinges
  - Door leaves: Wide range of doors from $1\frac{9}{16}$" or $3\frac{1}{4}$" double glazed doors.
    Check our doors range for further options

JOINTS
Butt joint.

FINISHES
- SURFACE TREATMENT: for all visible metal parts: environmental friendly epoxy powder coating approx. 80µ thickness.

- COLOURS: according to Maars colour chart. Other colours possible after consultation.

- GLAZING: a variety of options is available, such as sandblasting, film, painted glass. Other manifestations possible after consultation.

STANDARD DIMENSIONS
- Height: $10'2\frac{1}{16}$"
- Width: solid panels $2'-11\frac{7}{16}$" / $3'-11\frac{1}{4}$", glass $2'-11\frac{7}{16}$" / $3'-11\frac{1}{4}$"
  Other sizes in height or width after consultation.
- Weight: 3.25 kg/sq ft, solid

INSTALLATION
- TOLERANCES:
  - Floor: +/- $\frac{1}{2}$"
  - Ceiling: +/- $\frac{1}{2}$"
  - Adjustable floor track for easy adjusting of tolerances

- CONNECTION:
  All elements are connected by using clamping studs; monoblock elements are connected through a patented "twist and click" connector, enabling easy installation and easy disassembly.

- INTEGRATION OF ELECTRICAL AND DATA SERVICES
  Perforated clamping studs provide access for wiring and other services. Demountable panelling provides easy access for installation afterwards.

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Check the Living Options brochure and www.maarslivingwalls.com for more information.

ACOUSTICS $3\frac{1}{4}$"
Weighted sound reduction index to ASTM E 413-10
- Solid: From STC = 45 dB to STC = 48 dB
- Glazed panels: From STC = 29 dB to STC = 44 dB
- Door, solid: From STC = 31 dB to STC = 37 dB
- Glazed door: Up to STC = 30 dB

FIRE $3\frac{1}{4}$"
Fire resistance to EN 1363-2, EN 1364-1 and EN 1634-1: Equivalent to BS Standards.
- Solid: EI 60
- Glazed: EI 60
- Door: EI 60

ACOUSTICS $3\frac{15}{16}$"
Weighted sound reduction index to ASTM E 413-10
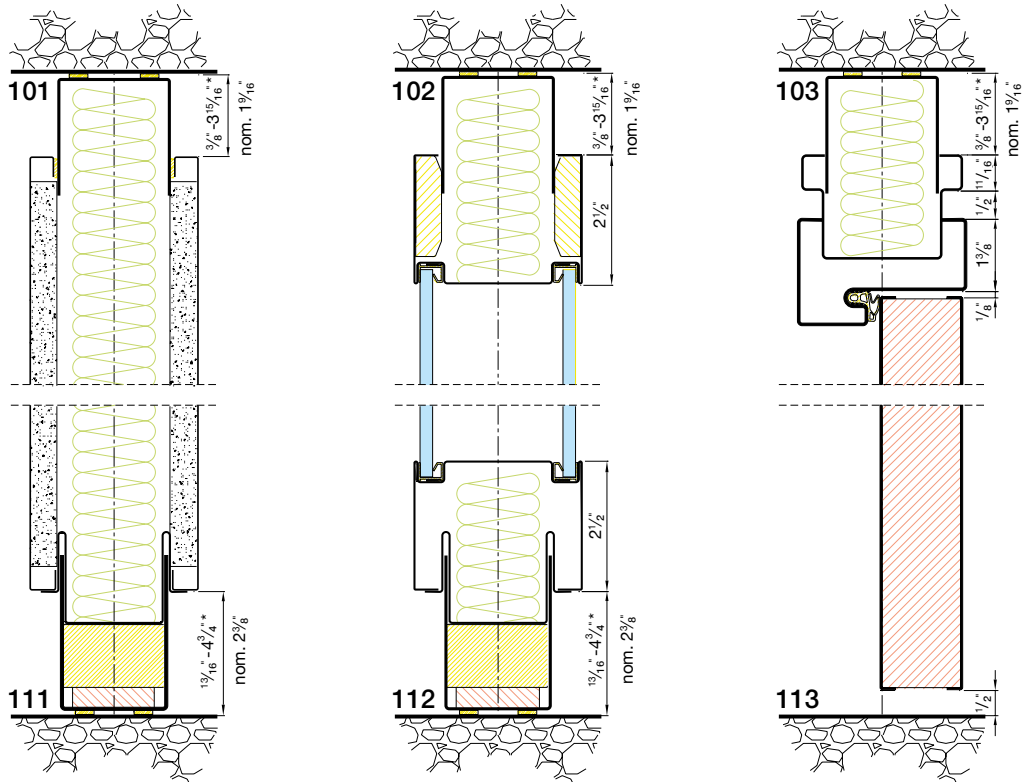- Solid: From STC = 50 dB to STC = 53 dB
- Door, solid: From STC = 31 dB to STC = 37 dB
- Door, glazed: Up to STC = 39 dB

FIRE $3\frac{15}{16}$"
Fire resistance to EN 1363-2 and EN 1364-1 Equivalent to BS Standards.
- Solid: EI 60, E120

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101 $^{3}/_{8}$"–$3^{15}/_{16}$" * nom. $1^{9}/_{16}$"

102 $^{3}/_{8}$"–$3^{15}/_{16}$" * nom. $1^{9}/_{16}$" $2^{1}/_{2}$"

103 $^{3}/_{8}$"–$3^{15}/_{16}$" * nom. $1^{9}/_{16}$" $1^{11}/_{16}$" $^{1}/_{2}$" $1^{3}/_{8}$" $^{1}/_{8}$"

111 $^{13}/_{16}$"–$4^{3}/_{4}$" * nom. $2^{3}/_{8}$"

112 $2^{1}/_{2}$" $^{13}/_{16}$"–$4^{3}/_{4}$" * nom. $2^{3}/_{8}$"

113 $^{1}/_{2}$"

*Deviations of nominal sizes are optional. Standard tolerance +/- $^{1}/_{2}$" on nominal size

211 $3^{1}/_{4}$" $1^{3}/_{8}$"

242 $^{7}/_{8}$"

252 $^{7}/_{8}$" $1^{3}/_{8}$" $^{1}/_{8}$" $1^{9}/_{16}$"

246 $3^{1}/_{4}$" $1^{9}/_{16}$" $^{1}/_{16}$" $1^{3}/_{8}$"

241

261 $2^{5}/_{16}$" $2^{5}/_{16}$" $1^{1}/_{16}$" $3^{1}/_{4}$"

101 102 103
211 242 252 246 241 261
111 112 113