

WINS CEMENT BOARD

WINS Cement Board is completely water proof and non-combustible. It is perfect for use with flooring, outdoor decorative walls, flame-retardant drywall partitions and lightweight wet side partitions for malls, hotels, office buildings, shops, restaurants, department stores etc.

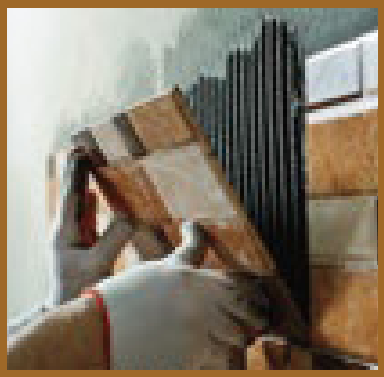


WINS Cement Board



- Suitable for marble cladding
- Waterproof
- Impact-resistant (Test to BS 5234-2:1992)
- Fire-resistant (Test to BS EN 1364-1:1999)
- Sound Proof (Up to STC 56, Test to ASTM E413-10)
- Easy to install

WINS Cement Board can be installed easily and quickly with the help of a saw or nails. You can also treat its broad surface with ceramic tiles or paint.









WINS CEMENT BOARD

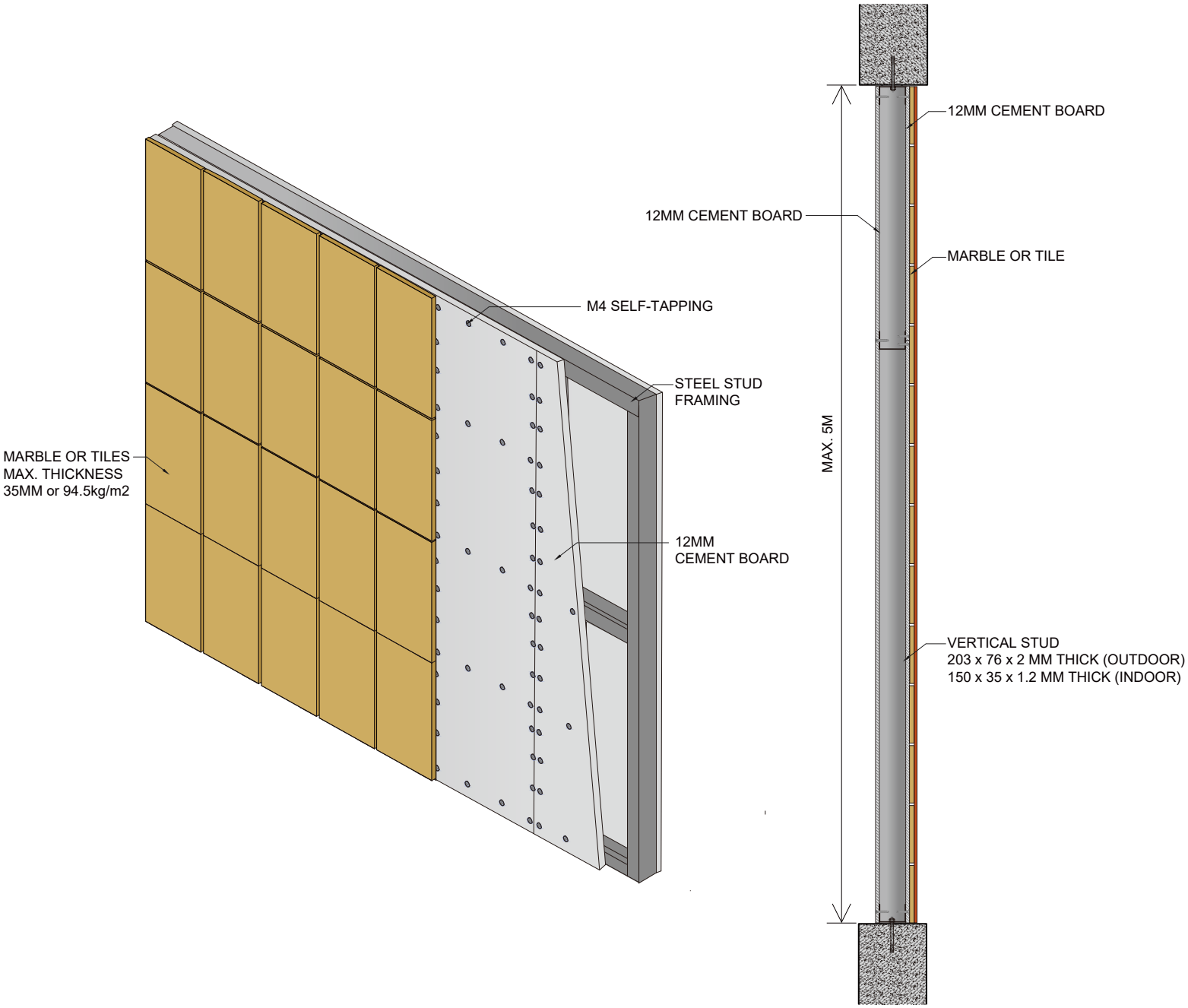
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Wins Cement Board 12mm		
Description	**Standard**	**Test Result**
Size		2440mm x 1220mm
Thickness		12mm
Density		1300kg/m^3
Long Edges		Square Edge
Tiling Capacity	Pull-off test of Marble on Cement Board	35mm Thick or 94.5 kg/m^2
Non-combustibility test for materials	BS 476 part 4	Non-combustible
Fire Propagation	BS 476 part 6	Fire Propagation index (I):0.1
Surface spread of flame	BS 476 part 7	Class 1
Shear Strength	EN 520 : 2004 + A1 : 2019	Breaking Load (KN): 6.221
Bending strength	EN 12467 : 2012, Clause 7.3.2	MOR : 13.17 MPa, MOE : 5445 MPa
Partitions Stiffness	BS 5234 Part 2 (Heavy Duty)	No Damage
Classification for Rating Sound Insulation	ASTM E413-10	STC 48 for single layer each side STC 56 for two layers each side
Initial Surface Absorption Test	BS 1881 : part 208	0.001 mL/m^2/s
Determination of moisture content	BS EN 322 : 1992	5.78%
Water Absorption	BS EN 317 : 1993	1.39% (Average)
Water Impermeability	EN 12467:2012+ A2:2018 section 5.4.5	No formation of drops of water on the underside of the specimen
Tensile Strength and Elongation at Break	BS 2782-10 Method 1003 : 1977	0.08%
Tensile Strength	BS EN 319 : 1993	0.62 MPa
VOC Emission Test Report	ISO 16000 part -6, -9, -11	TVOC < 20 µg/m^3 Formaldehyde < 3 µg/m^3

12MM WINS CEMENT BOARD SUITABLE FOR MARBLE CLADDING

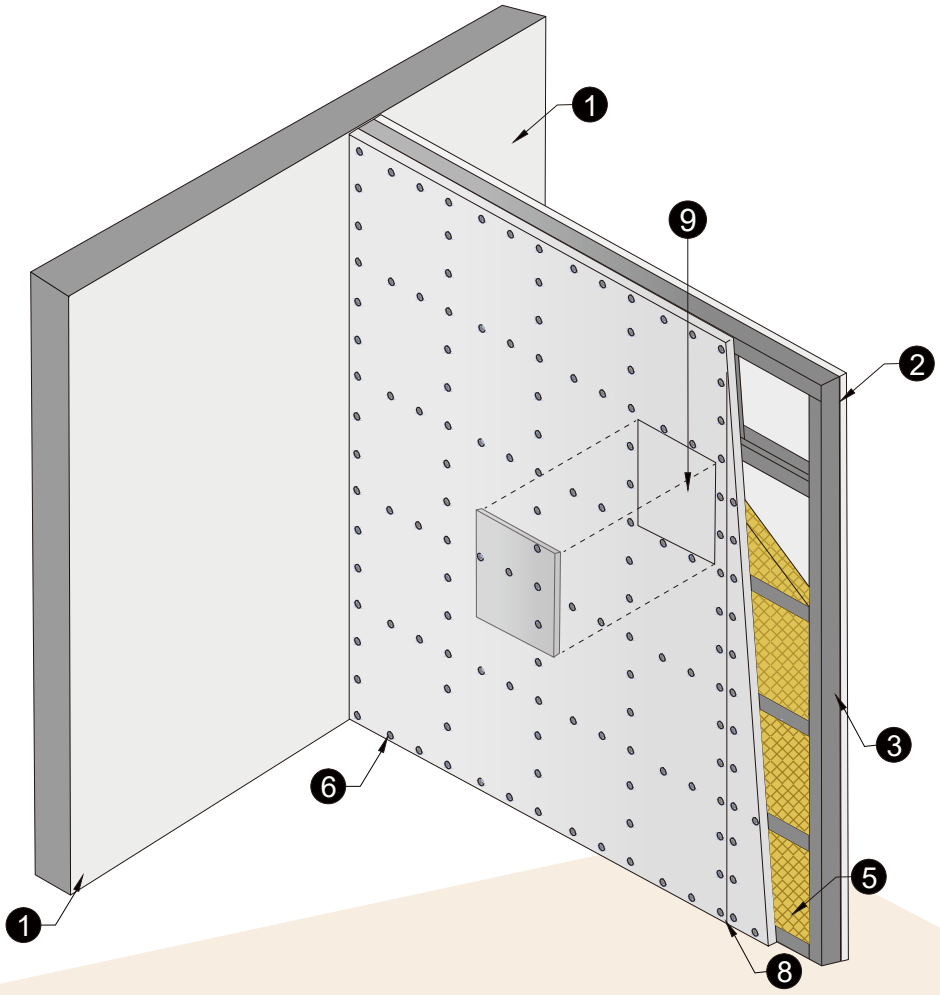
SUITABLE FOR INTERIOR &EXTERIOR WET/ HIGH HUMIDITY AREA SUCH AS TOILETS, KITCHEN, BATHROOMS AND BALCONIES



WINS CEMENT BOARD

12 mm Non-Loadbearing Partition System

1&2 HOURS FIRE RESISTANCE RATING, INTEGRITY AND INSULATION IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015



Technical Data:

1 Wall

2 Wins cement board, 12mm thick,
one layer each side

3 Steel track/channel, Vertical and Horizontal steel stud
32 x 50 x 32 x 0.5mm thick @ 610mm

4 Top & Bottom runners,
steel stud 32 x 50 x 32 x 0.5mm thick

5 Wisma Rock Mineral Wool
50mm thick, 80 kg/m^3 for 1 hr insulation
50mm thick, 100kg/m^3 for 2 hrs insulation

6 M4 self-tapping screw,
@ 200mm C/C

7 M6 anchor bolt,
@ 800mm C/C

8 Board Joints, sealed with fire retardant sealant

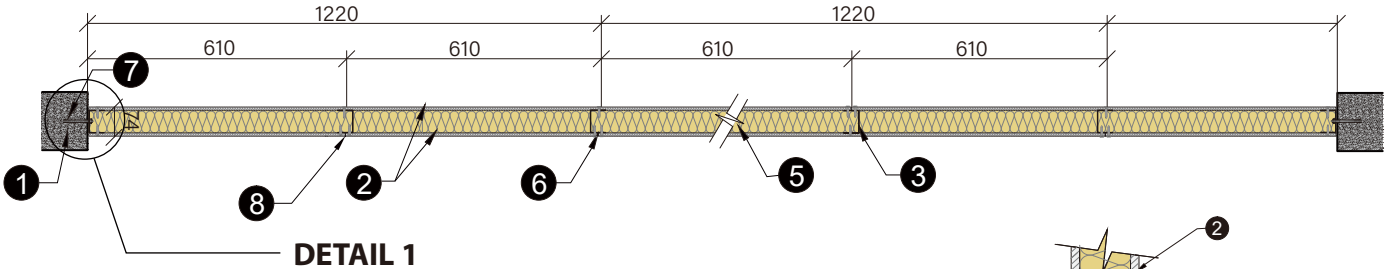
9 Access Panel

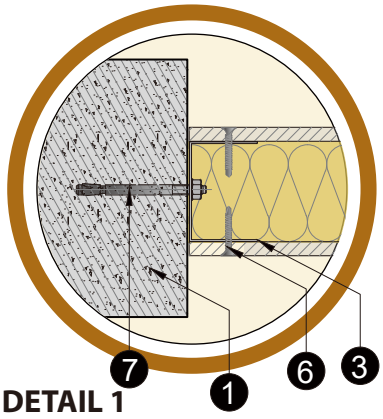
10 Steel stud, (Access panel opening)
25 x 50 x 25 x 0.5mm thick

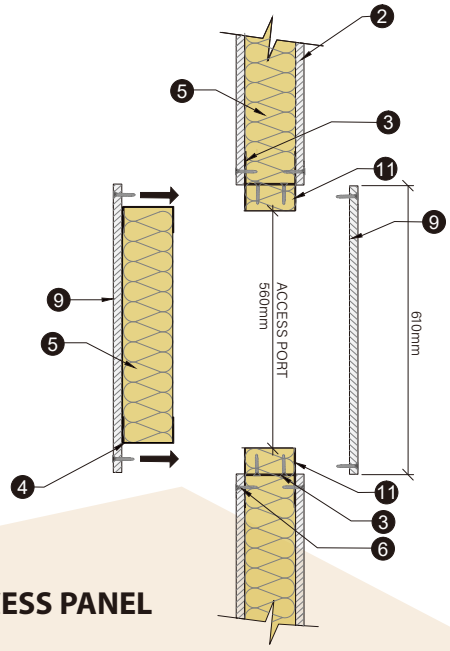
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12 mm Non-Loadbearing Partition System

1&2 HOURS FIRE RESISTANCE RATING, INTEGRITY AND INSULATION IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015







ACCESS PANEL

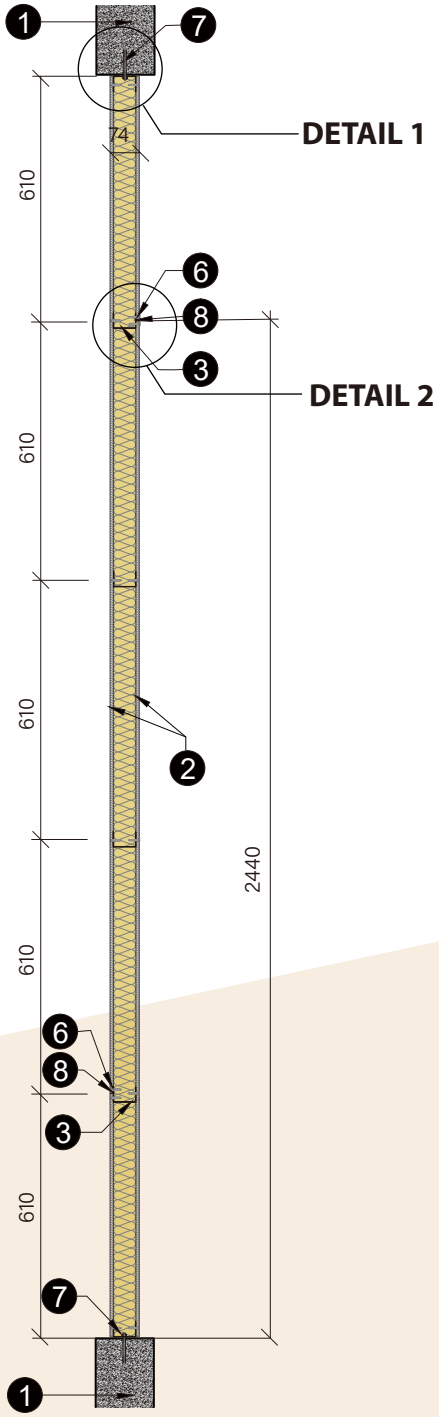
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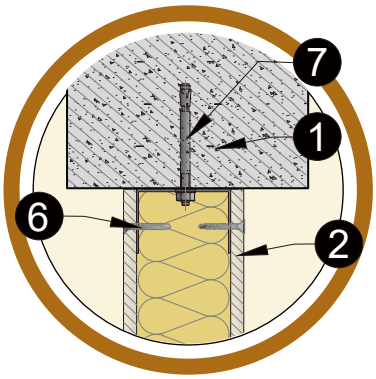
1 Wall
2 Wins cement board, 12mm thick, one layer each side
3 Steel track/channel, Vertical and Horizontal steel stud 32 x 50 x 32 x 0.5mm thick @ 610mm
4 Top & Bottom runners, steel stud 32 x 50 x 32 x 0.5mm thick
5 Wisma Rock Mineral Wool
50mm thick, 80 kg/m^3 for 1 hr insulation
50mm thick, 100kg/m^3 for 2 hrs insulation
6 M4 self-tapping screw, @ 200mm C/C
7 M6 anchor bolt, @ 800mm C/C
8 Board Joints, sealed with fire retardant sealant
9 Access Panel
10 Steel stud, (Access panel opening) 25 x 50 x 25 x 0.5mm thick

WINS CEMENT BOARD

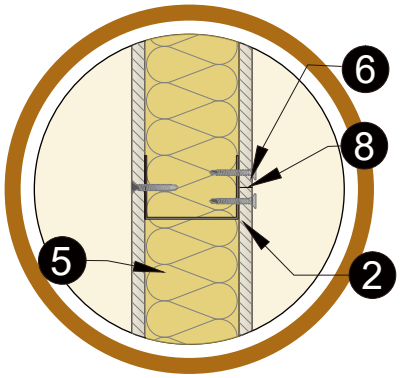
12 mm Non-Loadbearing Partition System

1&2 HOURS FIRE RESISTANCE RATING, INTEGRITY AND INSULATION IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015





DETAIL 1



DETAIL 2

Technical Data:

1 Wall

2 Wins cement board, 12mm thick,
one layer each side

3 Steel track/channel, Vertical and Horizontal steel stud
32 x 50 x 32 x 0.5mm thick @ 610mm

4 Top & Bottom runners,
steel stud 32 x 50 x 32 x 0.5mm thick

5 Wisma Rock Mineral Wool 50mm thick, 80 kg/m^3 for 1 hr insulation
50mm thick, 100kg/m^3 for 2 hrs insulation

6 M4 self-tapping screw,
@ 200mm C/C

7 M6 anchor bolt,
@ 800mm C/C

8 Board Joints, sealed with fire retardant sealant

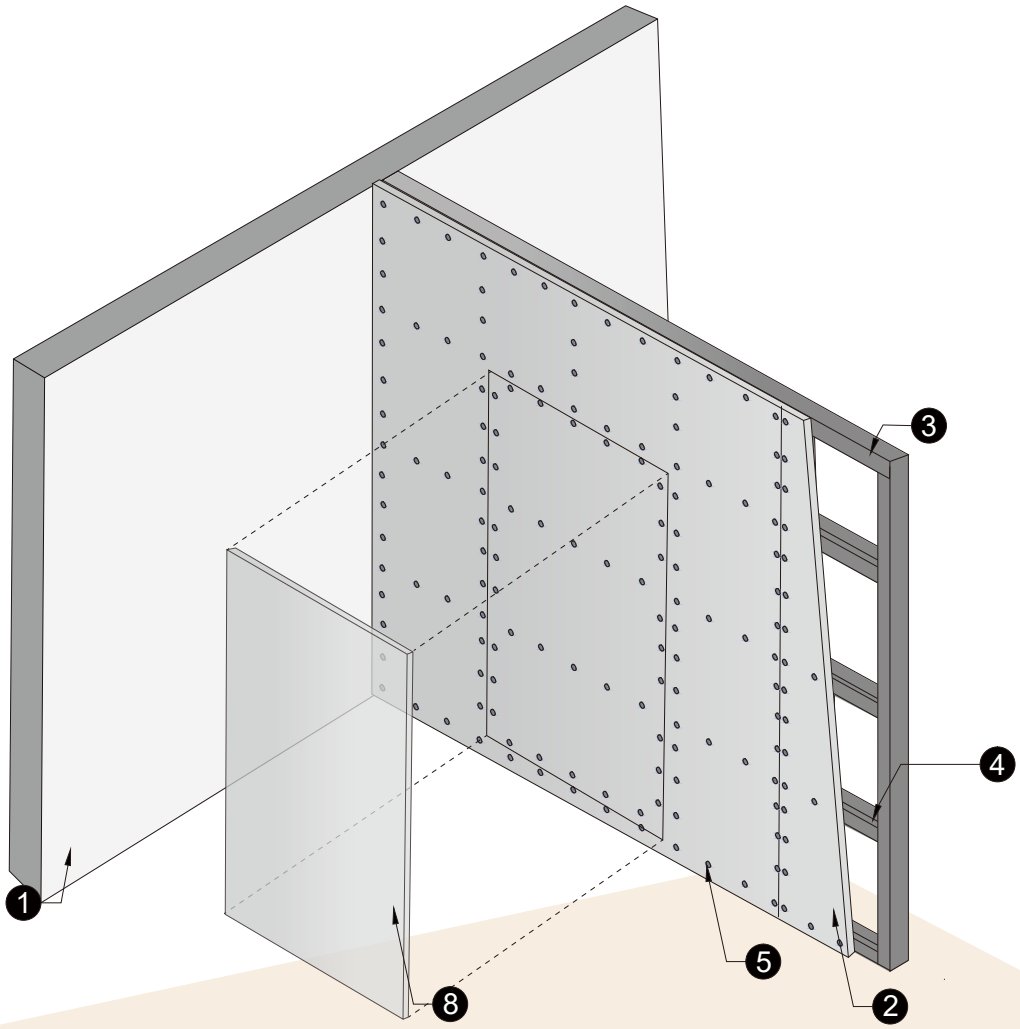
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10 Steel stud, (Access panel opening)
25 x 50 x 25 x 0.5mm thick

WINS CEMENT BOARD

12 mm Non-Loadbearing Partition System

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015



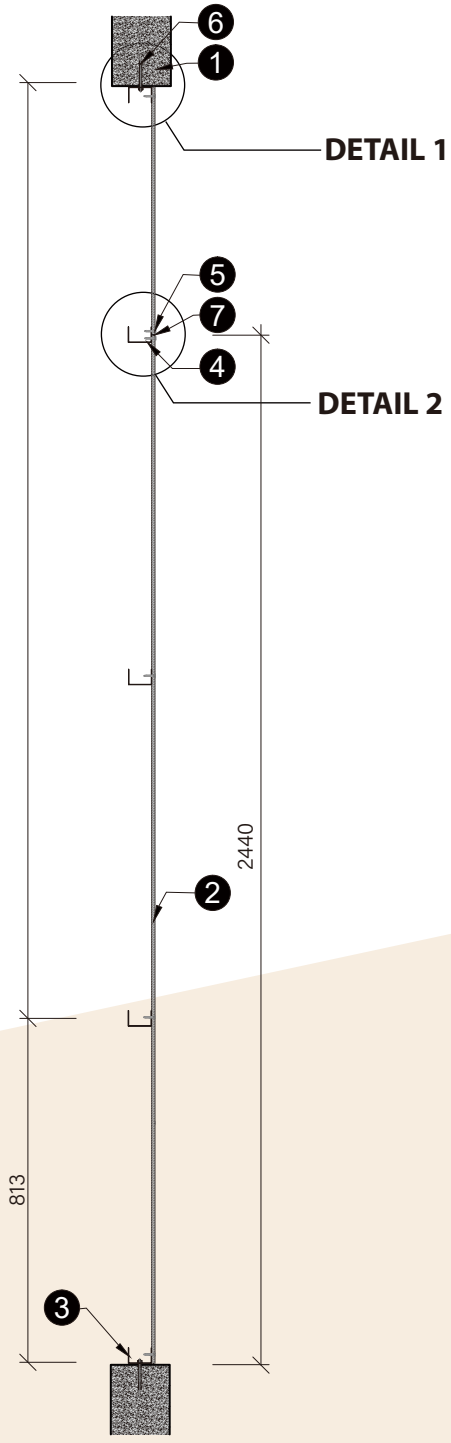
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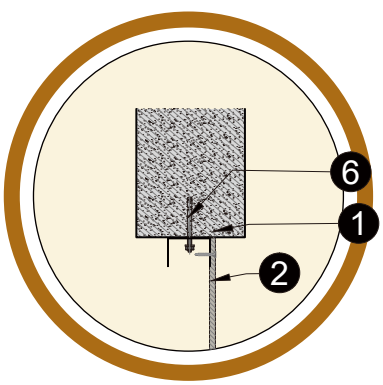
1 Wall
2 Wins cement board, 12mm thick X 1 Llayer
3 Steel track/channel,
32 x 50 x 32 x 0.5mm thick
4 Steel stud (Vertical and Horizontal)
32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5 M4 self-tapping screw,
@ 200mm C/C
6 M6 anchor bolt,
@ 800mm C/C
7 Board Joints, sealed with fire retardant sealant
8 Access Panel (optional)

WINS CEMENT BOARD

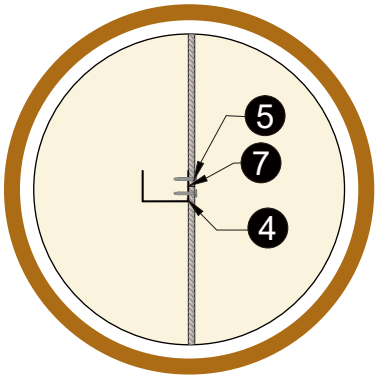
12 mm Non-Loadbearing Partition System

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015





DETAIL 1



DETAIL 2

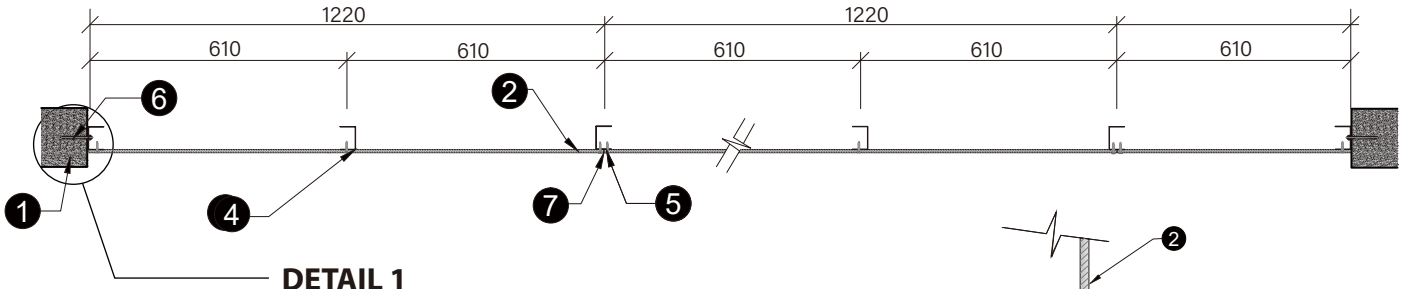
Technical Data:

1. Ceiling
2. Wins cement board, 12mm thick
3. Steel track/channel,
   32 x 50 x 32 x 0.5mm thick
4. Steel stud (Vertical and Horizontal)
   32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5. M4 self-tapping screw,
   @ 200mm C/C
6. M6 anchor bolt,
   @ 800mm C/C
7. Board Joints, sealed with fire retardant sealant
8. Access Panel (optional)

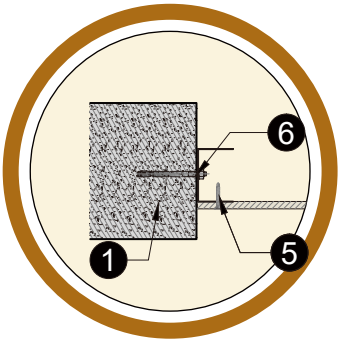
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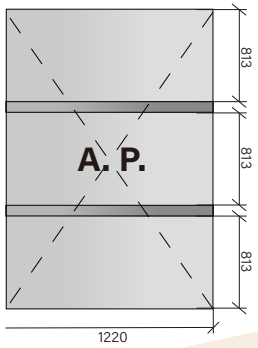
1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015

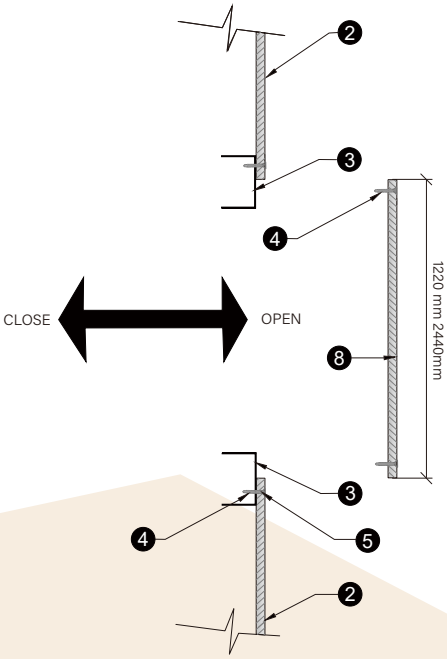


DETAIL 1



DETAIL 1





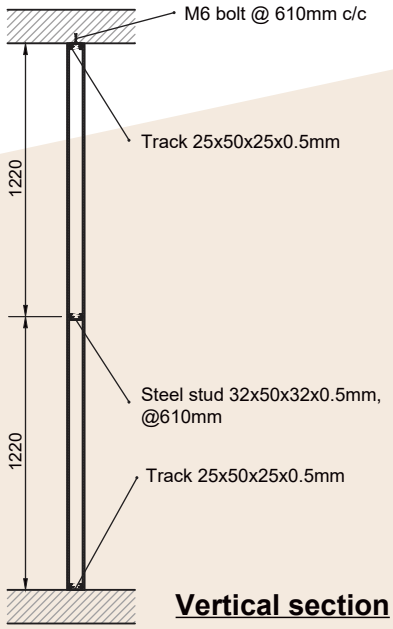
ACCESS PANEL

Technical Data:

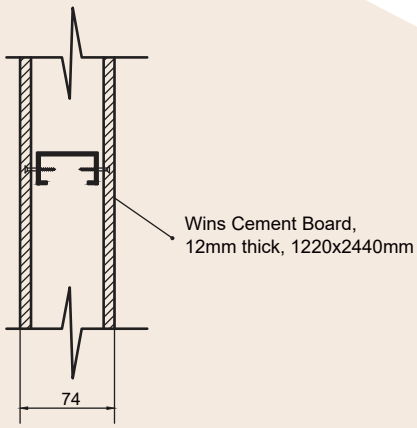
1. Wall
2. Wins cement board, 12mm thick
3. Steel track/channel,
   32 x 50 x 32 x 0.5mm thick
4. Steel stud (Vertical and Horizontal)
   32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5. M4 self-tapping screw,
   @ 200mm C/C
6. M6 anchor bolt,
   @ 800mm C/C
7. Board Joints, sealed with fire retardant sealant
8. Access Panel (optional)

12mm WINS Cement Board Test to BS 5234 : Part 2: 1992 HD(Heavy Duty) Impact Resistance Partition System(74mm thick)

Requirements tested	Grade performance achieved Pass/Fail			
	LD	MD	HD	SD
Stiffness	-	-	Passed	-
Surface damage by small hard body impact:				
Straight partition	-	-	Passed	-
Right angle partition	-	-	Passed	-
Surface damage by large soft body impact:				
Straight partition	-	-	Passed	-
Right angle partition	-	-	Passed	-
Perforation by small hard body impact:				
Straight partition	-	-	Passed	-
Right angle partition	-	-	Passed	-
Resistance to structural damage by large soft body impact	-	-	Passed	-
Door slamming	-	-	Passed	-
Light weight anchorage – Pull-out	-	-	Passed	-
Light weight anchorage – Pull-down	-	-	Passed	-
Crowd pressure	1.5 kN/M			
Heavy weight anchorage – (Wash basin)	1250 N			
Heavy weight anchorage – (Wall cupboard)	4000 N			

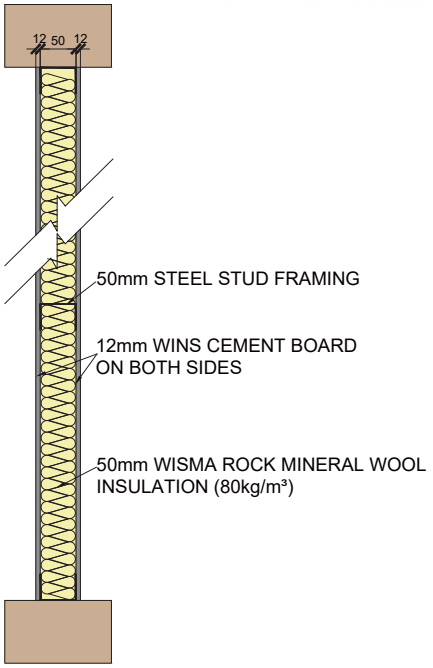


Vertical section



Overall Thickness

ACOUSTIC PERFORMANCE FOR
74mm DRYWALL SYSTEM OF 12mm WINS CEMENT BOARD



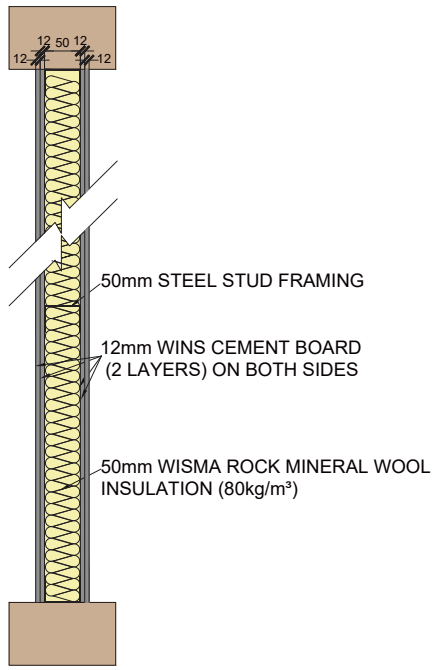
DETAIL OF CONSTRUCTION



Standard
ISO 717-1:1997

Weighted Apparent Sound Reduction Index R'w, dB
48

ACOUSTIC PERFORMANCE FOR
98mm DRYWALL SYSTEM OF 12mm WINS CEMENT BOARD



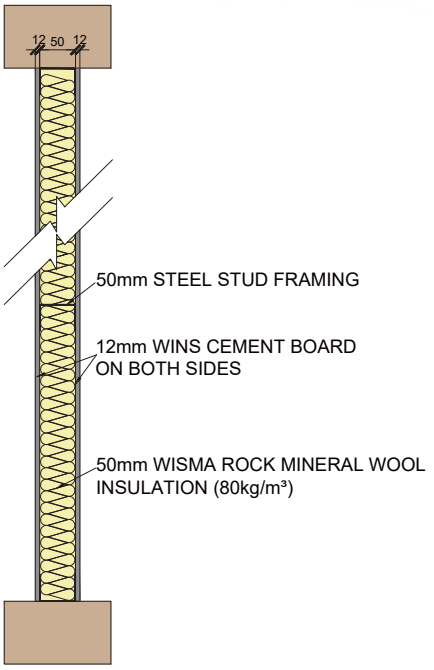
DETAIL OF CONSTRUCTION



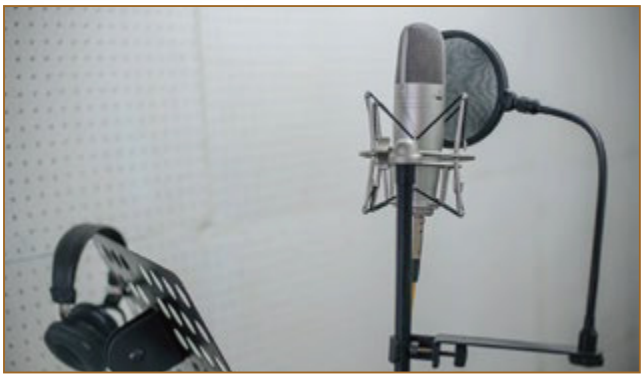
Standard
ISO 717-1:1997

Weighted Apparent Sound Reduction Index R'w, dB
55

ACOUSTIC PERFORMANCE FOR
74mm DRYWALL SYSTEM OF 12mm WINS CEMENT BOARD



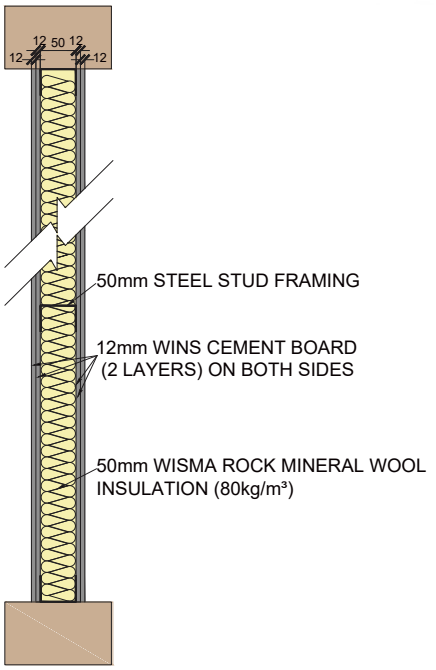
DETAIL OF CONSTRUCTION



Standard
ASTM E413-10

Sound Transmission Class, STC
STC 45

ACOUSTIC PERFORMANCE FOR
98mm DRYWALL SYSTEM OF 12mm WINS CEMENT BOARD



DETAIL OF CONSTRUCTION



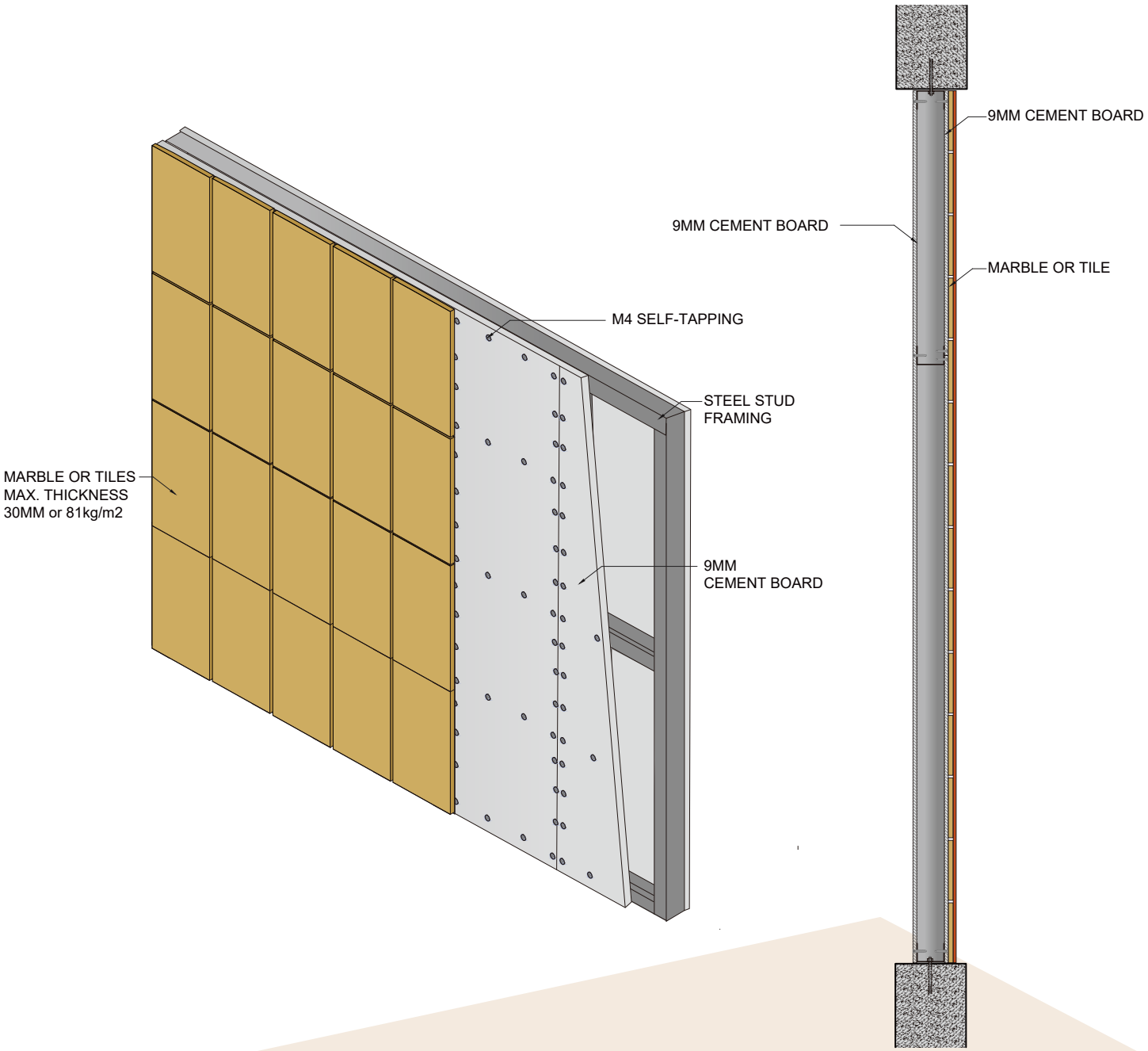
Standard
ASTM E413-10

Sound Transmission Class, STC
STC 56

Wins Cement Board 9mm		
Description	**Standard**	**Test Result**
Size		2440mm x 1220mm
Thickness		9mm
Density	BS EN 12467 Clause 7.3.1	1.298 g/cm^3
Long Edges		Square Edge
Asbestos	EPA/600/R-93/116 In-House Method G-T-028	Not Detected
Tiling Capacity	Pull-off Test of Tile on Cement Board	30mm Thick or 81 kg/m^2
Non-combustibility test for materials	BS 476 part 4	Non-combustible
Fire Propagation	BS 476 part 6	Fire Propagation index (I) : 0.0
Surface spread of flame	BS 476 part 7	Class 1
Dimensional Changes Associated with Change in Relative Humidity	EN318 : 2002	Average change in length : -0.17mm
		Average change in thickness: -0.69%
pH Value	In-House Method C-T-003	10.9
Resistance to Fungal Growth	ASTM G21-13	1 Grade
Water Impermeability	EN 12467:2012+ A2:2018 section 5.4.5	No formation of drops of water on the underside of the specimen
Surface Water Resistance	BS 1230 Part 1 : 1985	Surface Water Absorption : 18 g/m^2
Water Absorption	BS 1230 Part 1 : 1985	Percentage Increase in Mass, Water Absorption: 0.36%
Break Load	BS 1230 Part 1 : 1985	Maximum Force: 842N
Core Cohesion at High Temperature	BS 1230 Part 1 : 1985	Specimen remained intact after exposure to 970 ± 40°C for 2 hours
Swelling in thickness after water immersion & Water Absorption	BS EN 317 : 1993 BS EN 312 : 2010	Thickness Swelling after 24 h : <0.49% (Average) Water Absorption : <1.64% (Average)
Moisture Content	BS EN 322 : 1992 BS EN 312 : 2010	5.44%
Tensile Strength and Elongation at Break	BS 2782 : Part 10	Tensile Strength: 7.81 MPa
		Modulus of Elasticity: 4969 MPa
		Elongation at Break: 1.1%
Bending Strength Test (Ambient Condition)	BS EN 12467 : 2012 Clause 7.3.2	Bending Strength: 12.35 MPa
		Modulus of Elasticity: 5581 MPa
Bending Strength Test (Wet Condition)	BS EN 12467 : 2012 Clause 7.3.2	Bending Strength: 8.93 MPa
		Modulus of Elasticity: 5000 MPa

9 MM WINS CEMENT BOARD SUITABLE FOR MARBLE CLADDING

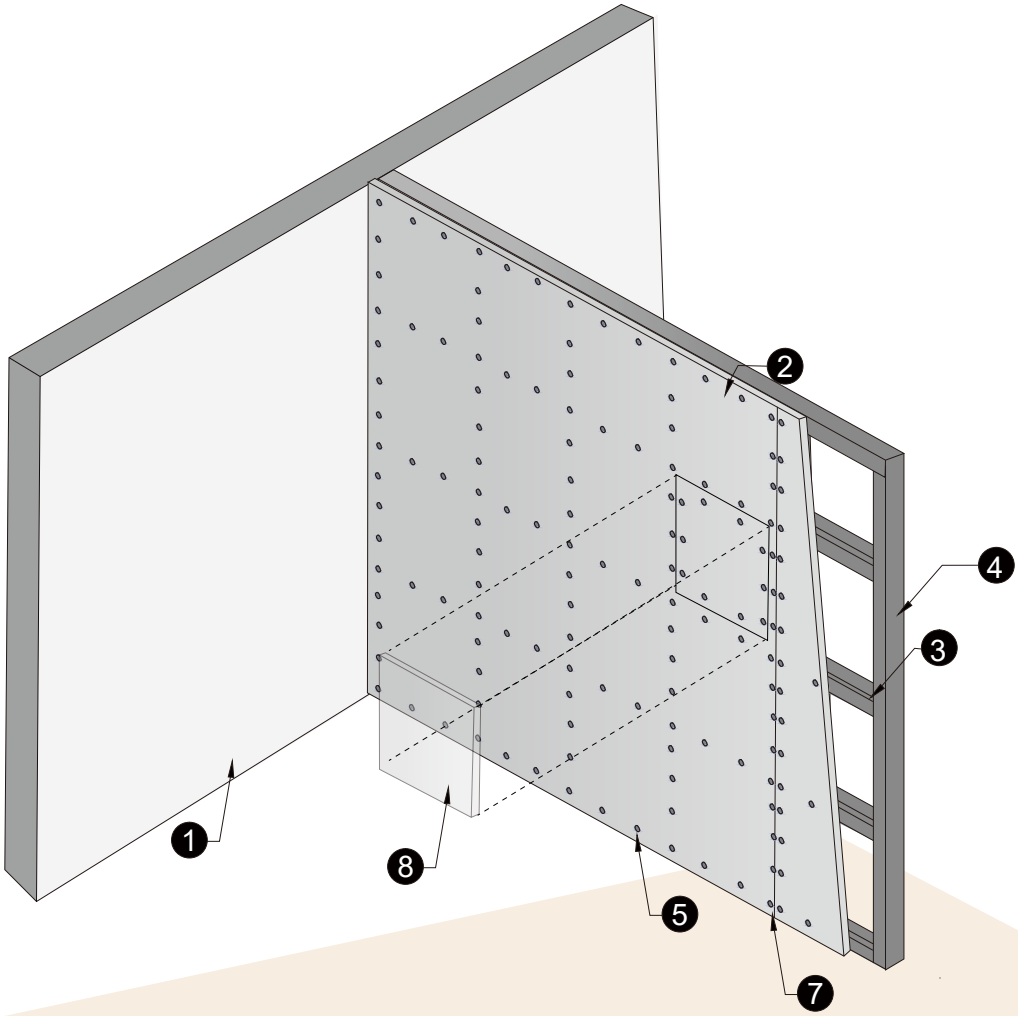
SUITABLE FOR INTERIOR &EXTERIOR WET/ HIGH HUMIDITY AREA SUCH AS TOILETS, KITCHEN, BATHROOMS AND BALCONIES



WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015



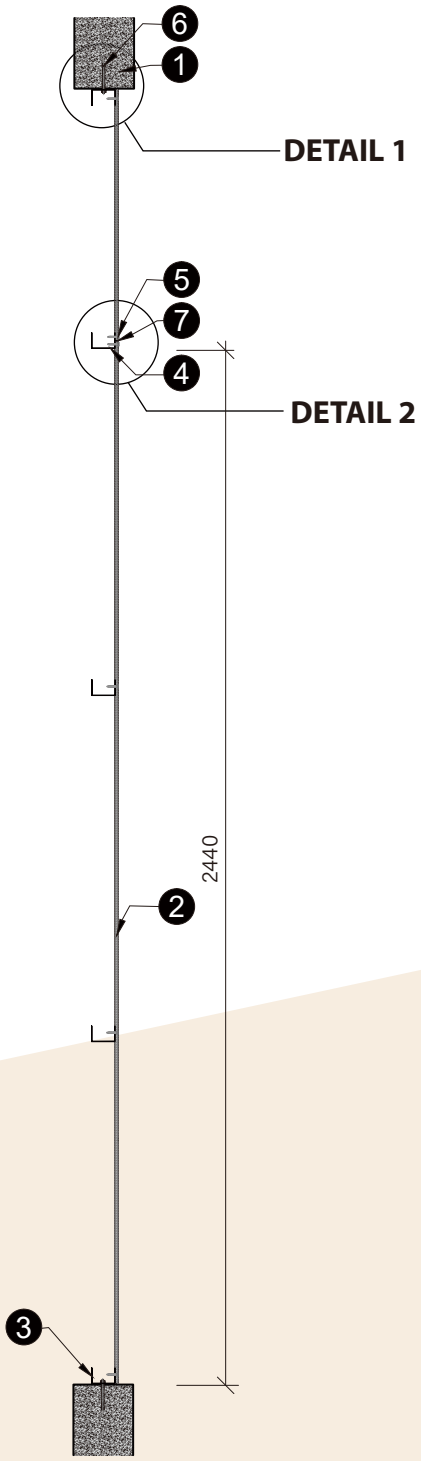
Technical Data:

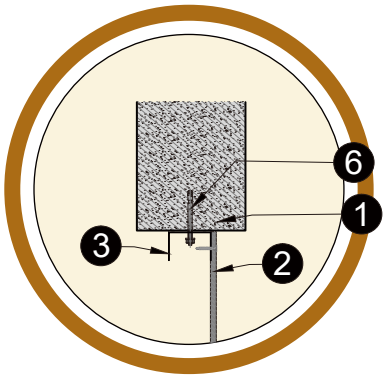
1 Wall
2 Wins cement board, 9mm thick 1 layer
3 Steel track/channel,
32 x 50 x 32 x 0.5mm thick
4 Steel stud (Vertical and Horizontal)
32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5 M4 self-tapping screw,
@ 200mm C/C
6 M6 anchor bolt,
@ 800mm C/C
7 Board Joints, sealed with fire retardant sealant
8 Access Panel

WINS CEMENT BOARD

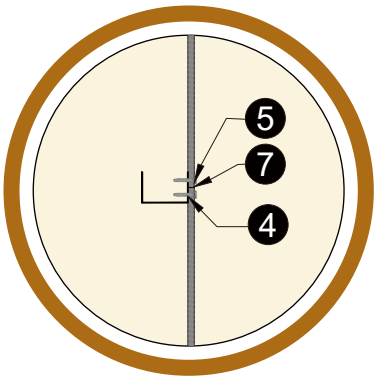
9 mm Non-Loadbearing Partition System

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015





DETAIL 1



DETAIL 2

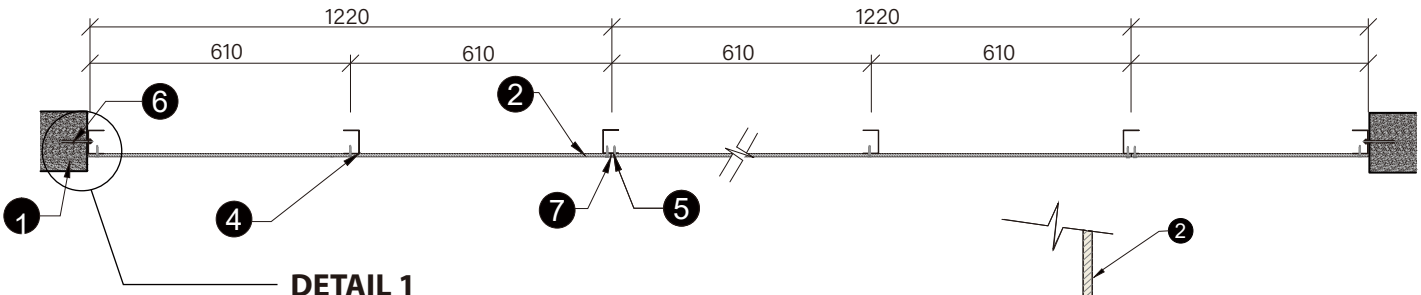
Technical Data:

1. Ceiling
2. Wins cement board, 9mm thick
3. Steel track/channel,
   32 x 50 x 32 x 0.5mm thick
4. Steel stud (Vertical and Horizontal)
   32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5. M4 self-tapping screw,
   @ 200mm C/C
6. M6 anchor bolt,
   @ 800mm C/C
7. Board Joints, sealed with fire retardant sealant
8. Access Panel

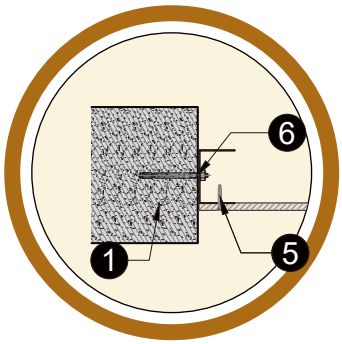
WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

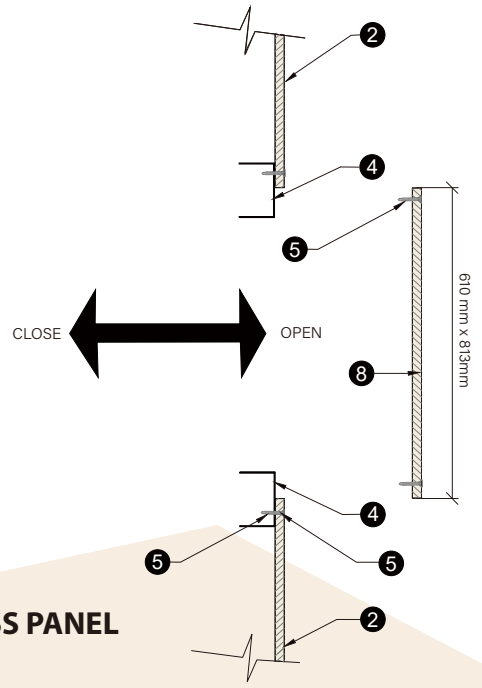
1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY
IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015



DETAIL 1



DETAIL 1



ACCESS PANEL

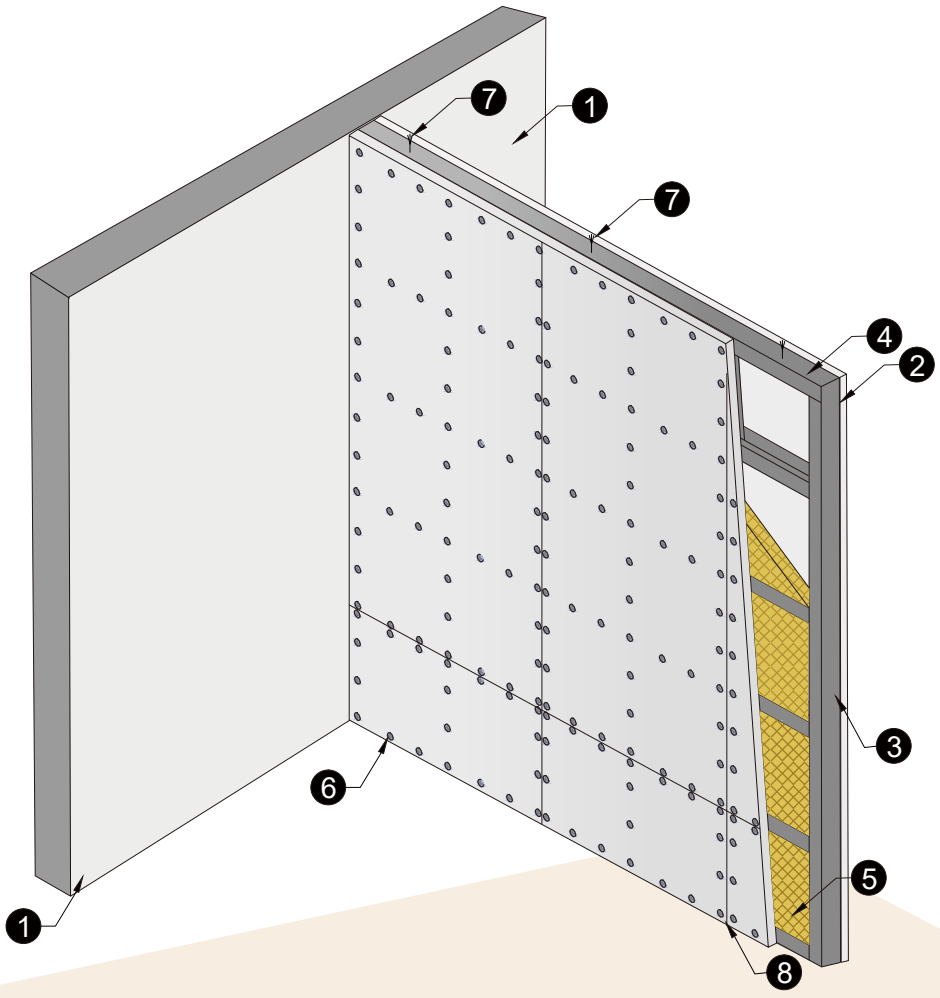
Technical Data:

1 Wall
2 Wins cement board, 9mm thick
3 Steel track/channel,
32 x 50 x 32 x 0.5mm thick
4 Steel stud (Vertical and Horizontal)
32 x 50 x 32 x 0.5mm thick @ 610mm by 813mm
5 M4 self-tapping screw,
@ 200mm C/C
6 M6 anchor bolt,
@ 800mm C/C
7 Board Joints, sealed with fire retardant sealant
8 Access Panel

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOURS FIRE RESISTANCE RATING, INTEGRITY AND INSULATION IN ACCORDANCE WITH BS EN 1363-1:2020 AND BS EN 1364-1:2015



Technical Data:

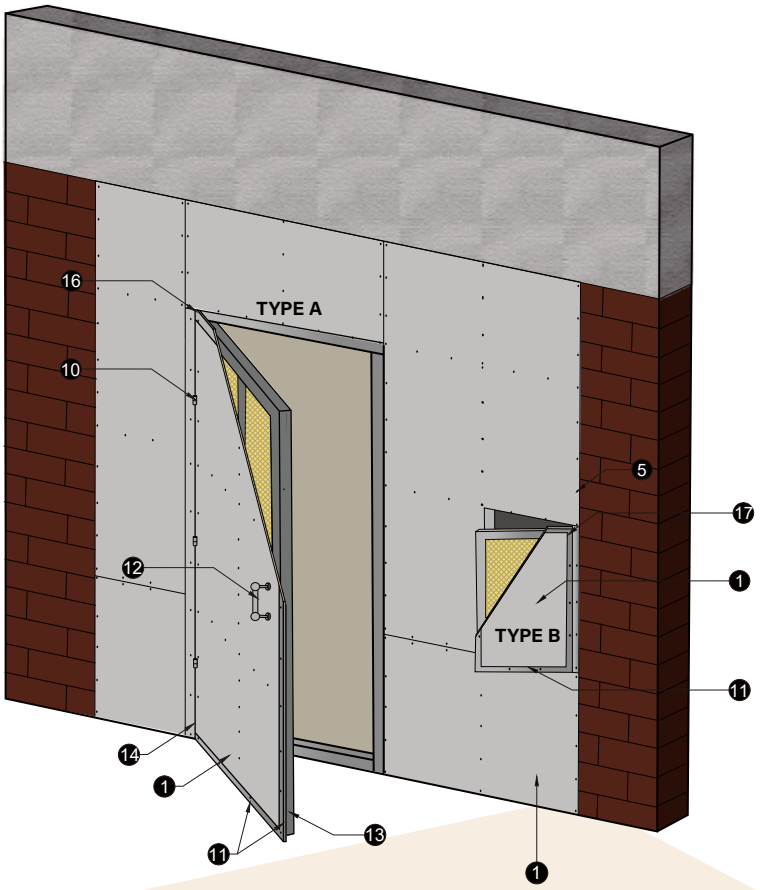
1. Wall
2. Wins cement board, 9mm thick, one layer each side
3. Vertical and Horizontal steel stud 50x 50 x 50 x 0.5mm thick @ 610mm x 813 mm
4. Top & Bottom runners, steel stud 50 x 50 x 50 x 0.5mm thick
5. Wisma Rock Mineral Wool,50mm thick, 110 kg/m^3
6. M4 self-tapping screw, @ 200mm C/C
7. M6 anchor bolt, @ 800mm C/C
8. Board Joints, sealed with fire retardant sealant

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOUR FIRE RATING, INTEGRITY AND INSULATION IN ACCORDANCE WITH BS EN 1363-1: 2020 AND BS EN 1364-1:2015

Fixes To Drywall or Partition



Technical Data:

1 Wins Cement Board, 9mm thick

2 Perimeter steel channel 50x50x50x0.5mm thick

3 Steel stud 50x50x50x0.5mm thick, @610mm by 813mm centres

4 Wisma Rock Mineral Wool, 110kg/m³, 50mm thick

5 M4 Self-tapping screw,
(a) Stud to stud @400mm c/c
(b) Board to stud @200mm c/c

6 M6 anchor bolt, @800mm c/c

7 Board joint and gaps, sealed with fire retardant sealant

8 Access panel Type A and Type B

9 Vertical stud modified to 1.5mm thick to enhance support 60x50x60x1.5mm thick.

10 Hinge

11 Steel Angle 0.5mm Thick (for edges protection)

12 Handle (optional)

13 Square tube 50x50x1.5mm thick, infilled with Wisma Rock Mineral Wool of density 110kg/m³

14 9mm Cement Board Protection Strip

15 Reinforcing Channel 32x50x32x1 mm thick.

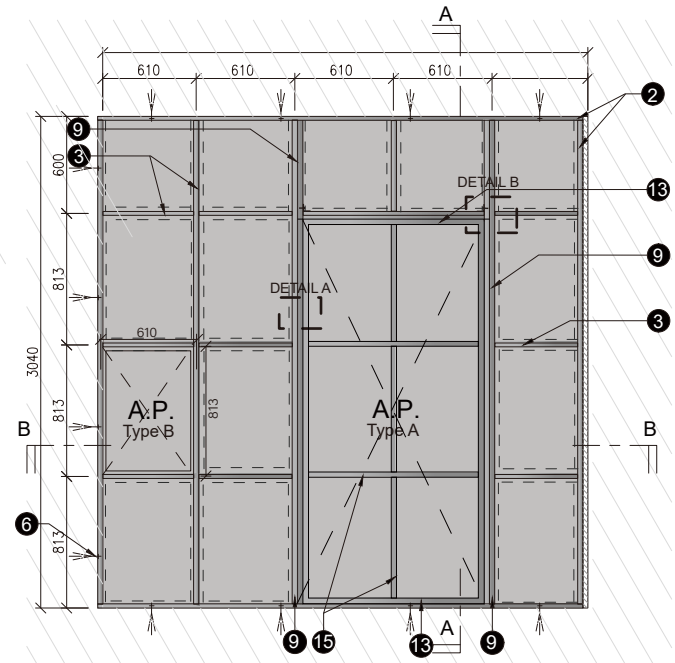
16 Intumescent Strip 50mm x 2mm

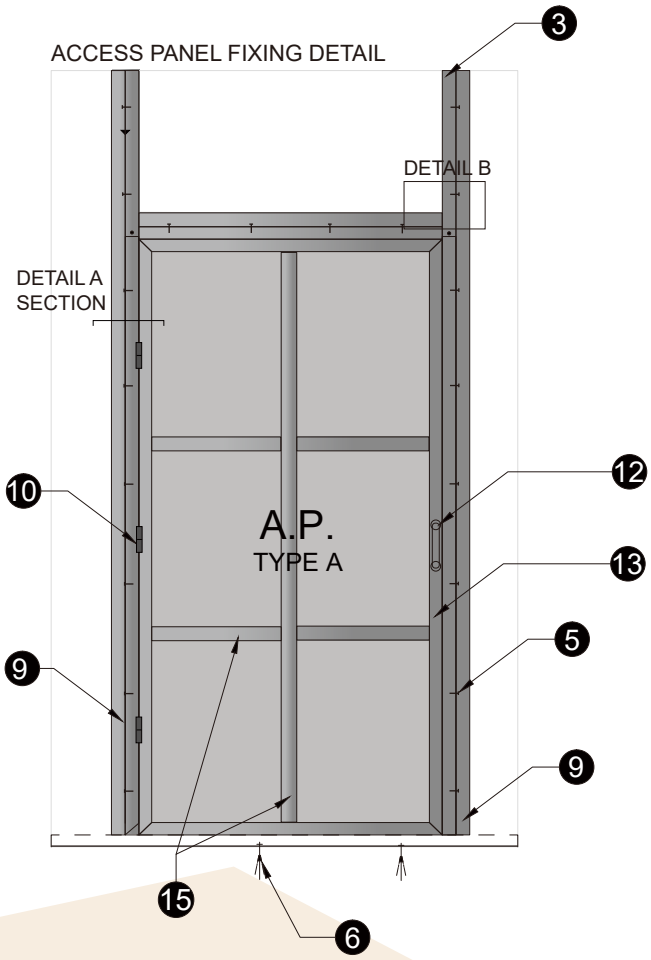
17 Access Panel Steel Frame

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOUR FIRE RATING, INTEGRITY AND INSULATION
IN ACCORDANCE WITH BS EN 1363-1: 2020 AND BS EN 1364-1:2015





Technical Data:

1 Wins Cement Board, 9mm thick

2 Perimeter steel channel 50x50x50x0.5mm thick

3 Steel stud 50x50x50x0.5mm thick,
@610mm by 813mm centres

4 Wisma Rock Mineral Wool, 110kg/m³, 50mm thick

5 M4 Self-tapping screw,
(a) Stud to stud @400mm c/c
(b) Board to stud @200mm c/c

6 M6 anchor bolt, @800mm c/c

7 Board joint and gaps, sealed with fire retardant sealant

8 Access panel Type A and Type B

9 Vertical stud modified to 1.5mm thick to enhance support 60x50x60x1.5mm thick.

10 Hinge

11 Steel Angle 0.5mm Thick (for edges protection)

12 Handle (optional)

13 Square tube 50x50x1.5mm thick, infilled with Wisma Rock Mineral Wool of density 110kg/m³

14 9mm Cement Board Protection Strip

15 Reinforcing Channel 32x50x32x1 mm thick.

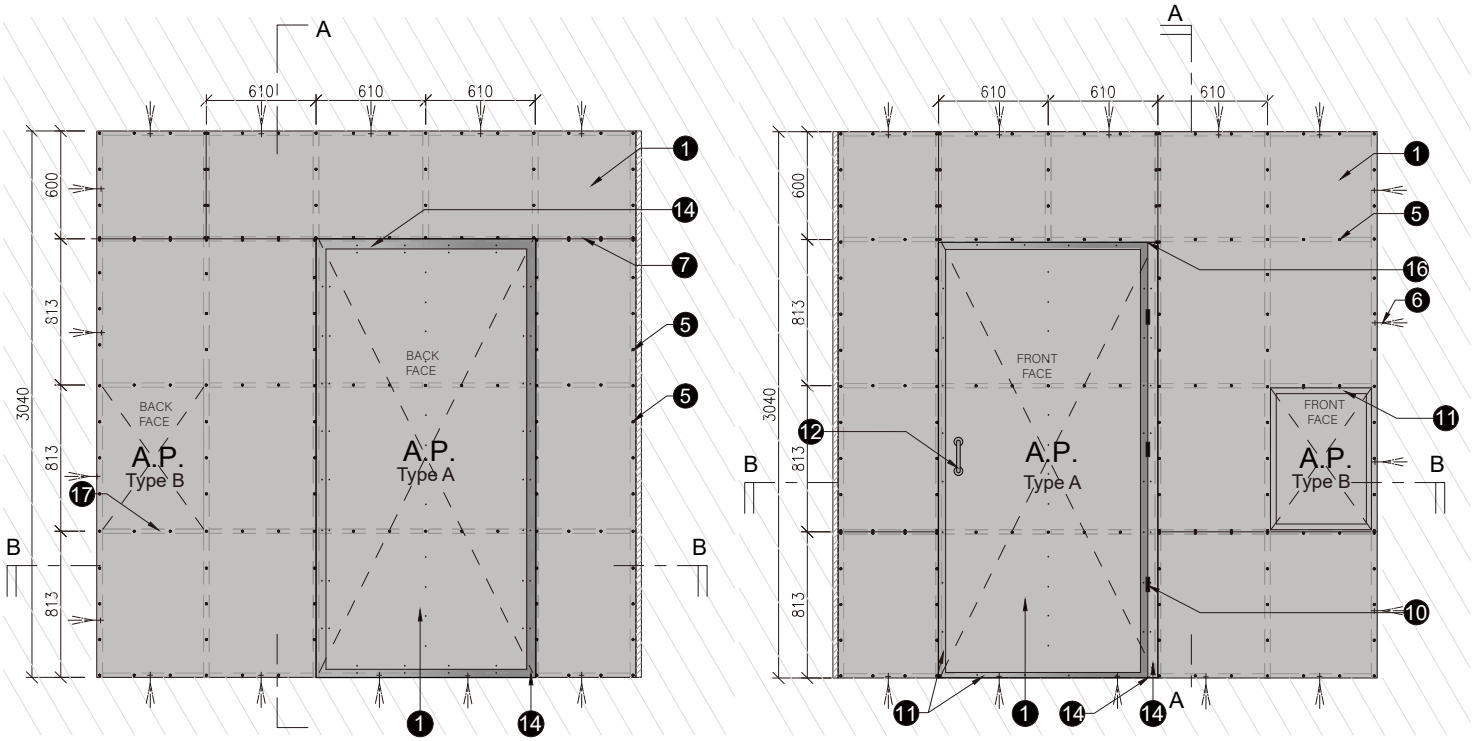
16 Intumescent Strip 50mm x 2mm

17 Access Panel Steel Frame

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOUR FIRE RATING, INTEGRITY AND INSULATION
IN ACCORDANCE WITH BS EN 1363-1: 2020 AND BS EN 1364-1:2015



Technical Data:

1 Wins Cement Board, 9mm thick

2 Perimeter steel channel 50x50x50x0.5mm thick

3 Steel stud 50x50x50x0.5mm thick,
@610mm by 813mm centres

4 Wisma Rock Mineral Wool, 110kg/m³, 50mm thick

5 M4 Self-tapping screw,
(a) Stud to stud @400mm c/c
(b) Board to stud @200mm c/c

6 M6 anchor bolt, @800mm c/c

7 Board joint and gaps, sealed with fire retardant sealant

8 Access panel Type A and Type B

9 Vertical stud modified to 1.5mm thick to enhance support 60x50x60x1.5mm thick.

10 Hinge

11 Steel Angle 0.5mm Thick (for edges protection)

12 Handle (optional)

13 Square tube 50x50x1.5mm thick, infilled with Wisma Rock Mineral Wool of density 110kg/m³

14 9mm Cement Board Protection Strip

15 Reinforcing Channel 32x50x32x1 mm thick.

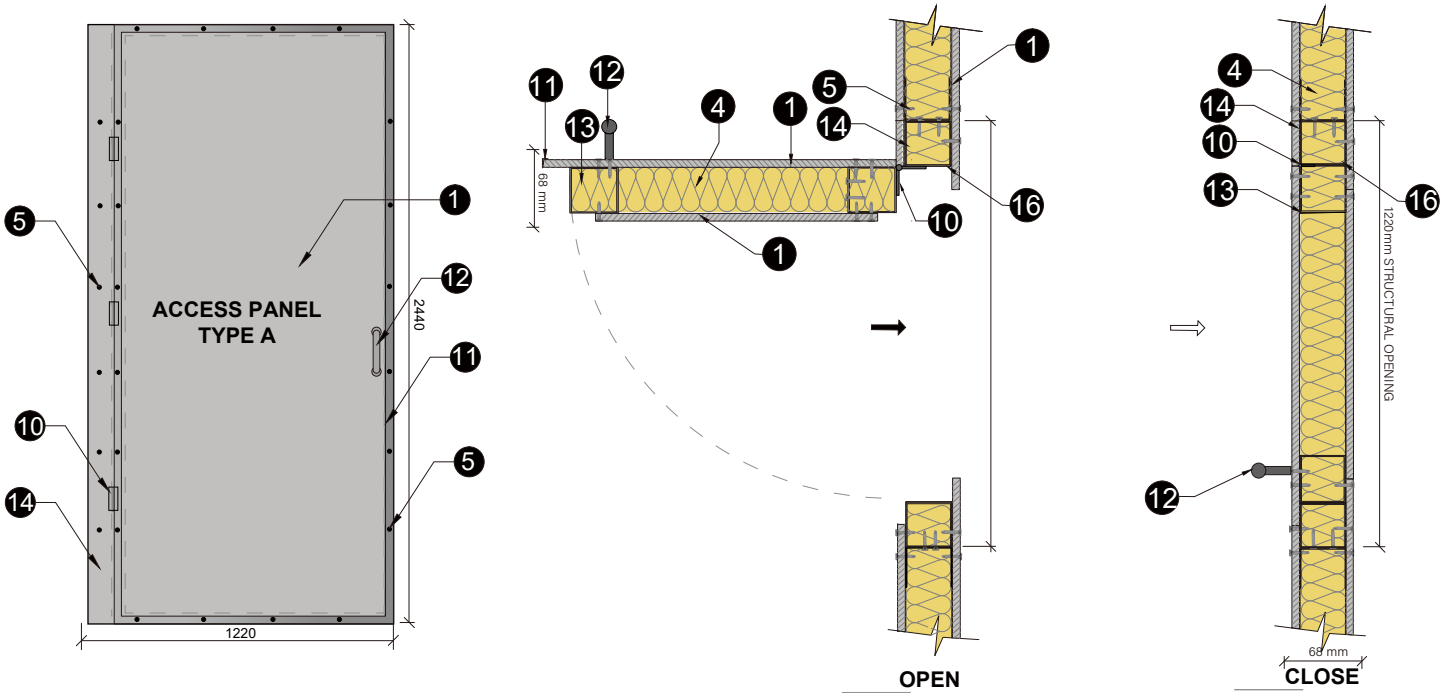
16 Intumescent Strip 50mm x 2mm

17 Access Panel Steel Frame

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOUR FIRE RATING, INTEGRITY AND INSULATION
IN ACCORDANCE WITH BS EN 1363-1: 2020 AND BS EN 1364-1:2015



Technical Data:

1 Wins Cement Board, 9mm thick

2 Perimeter steel channel 50x50x50x0.5mm thick

3 Steel stud 50x50x50x0.5mm thick,
@610mm by 813mm centres

4 Wisma Rock Mineral Wool, 110kg/m³, 50mm thick

5 M4 Self-tapping screw,
(a) Stud to stud @400mm c/c
(b) Board to stud @200mm c/c

6 M6 anchor bolt, @800mm c/c

7 Board joint and gaps, sealed with fire retardant sealant

8 Access panel Type A and Type B

9 Vertical stud modified to 1.5mm thick to enhance support 60x50x60x1.5mm thick.

10 Hinge

11 Steel Angle 0.5mm Thick (for edges protection)

12 Handle (optional)

13 Square tube 50x50x1.5mm thick, infilled with Wisma Rock Mineral Wool of density 110kg/m³

14 9mm Cement Board Protection Strip

15 Reinforcing Channel 32x50x32x1 mm thick.

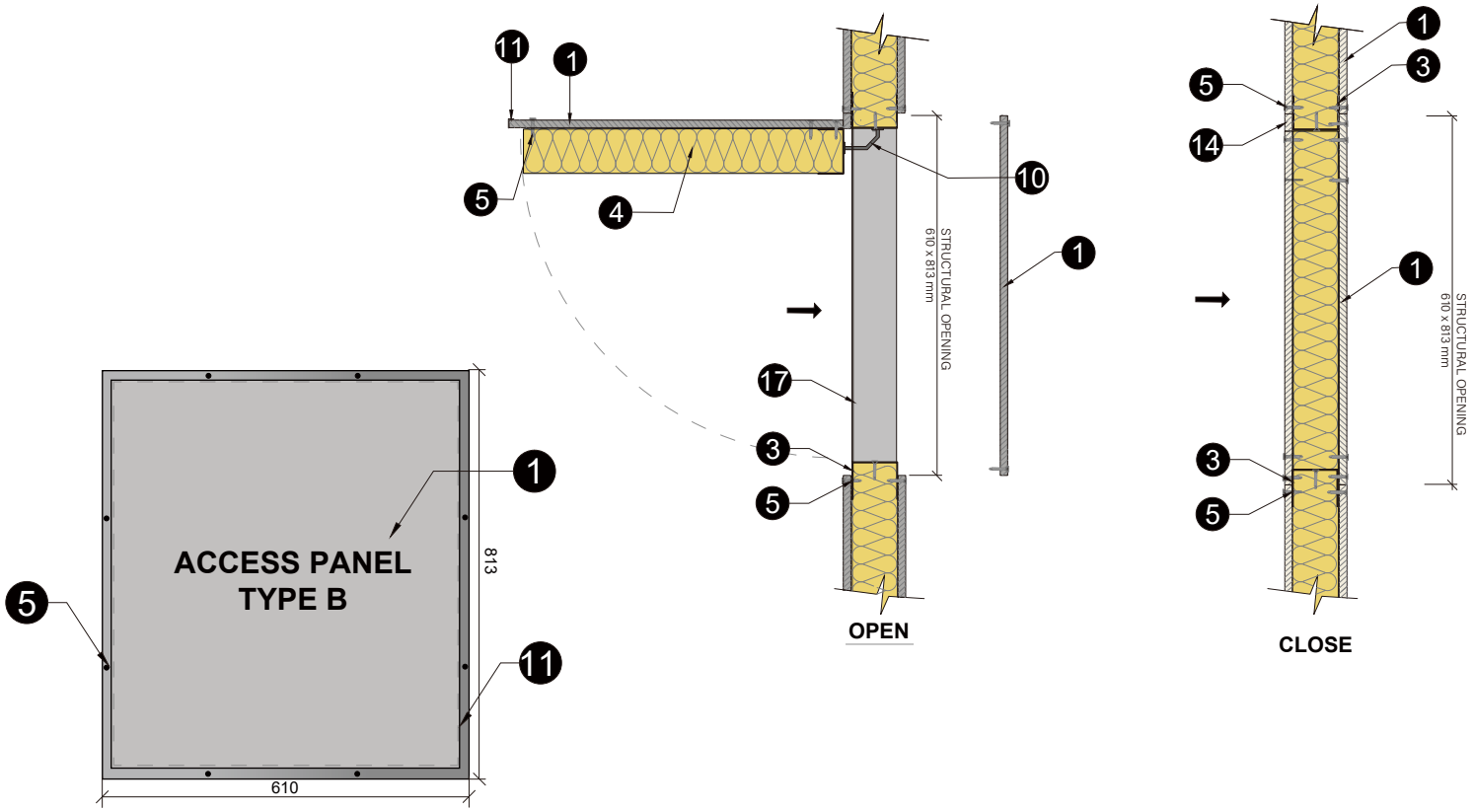
16 Intumescent Strip 50mm x 2mm

17 Access Panel Steel Frame

WINS CEMENT BOARD

9 mm Non-Loadbearing Partition System

2 HOUR FIRE RATING, INTEGRITY AND INSULATION
IN ACCORDANCE WITH BS EN 1363-1: 2020 AND BS EN 1364-1:2015



Technical Data:

1 Wins Cement Board, 9mm thick

2 Perimeter steel channel 50x50x50x0.5mm thick

3 Steel stud 50x50x50x0.5mm thick,
@610mm by 813mm centres

4 Wisma Rock Mineral Wool, 110kg/m³, 50mm thick

5 M4 Self-tapping screw,
(a) Stud to stud @400mm c/c
(b) Board to stud @200mm c/c

6 M6 anchor bolt, @800mm c/c

7 Board joint and gaps, sealed with fire retardant sealant

8 Access panel Type A and Type B

9 Vertical stud modified to 1.5mm thick to enhance support 60x50x60x1.5mm thick.

10 Hinge

11 Steel Angle 0.5mm Thick (for edges protection)

12 Handle (optional)

13 Square tube 50x50x1.5mm thick, infilled with Wisma Rock Mineral Wool of density 110kg/m³

14 9mm Cement Board Protection Strip

15 Reinforcing Channel 32x50x32x1 mm thick.

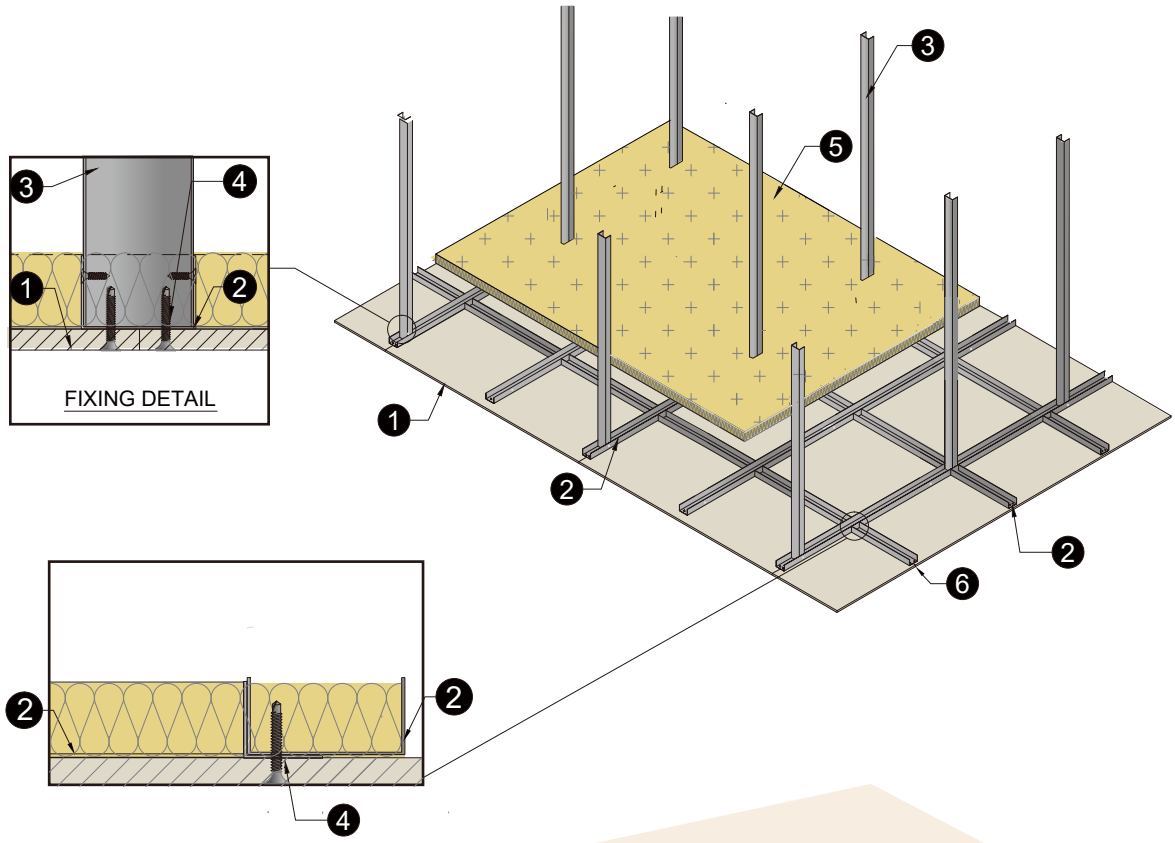
16 Intumescent Strip 50mm x 2mm

17 Access Panel Steel Frame

9MM WINS CEMENT BOARD

Non-Loadbearing Suspended Ceiling System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-2:2018



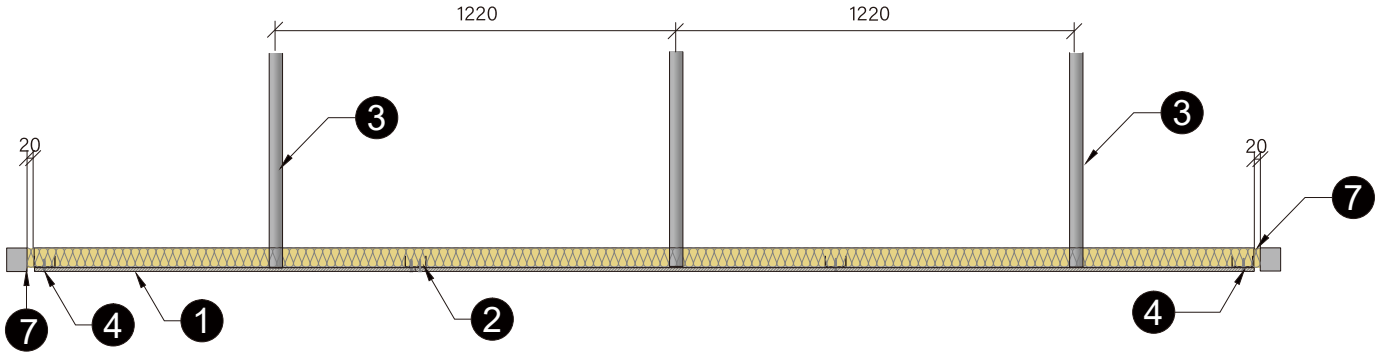
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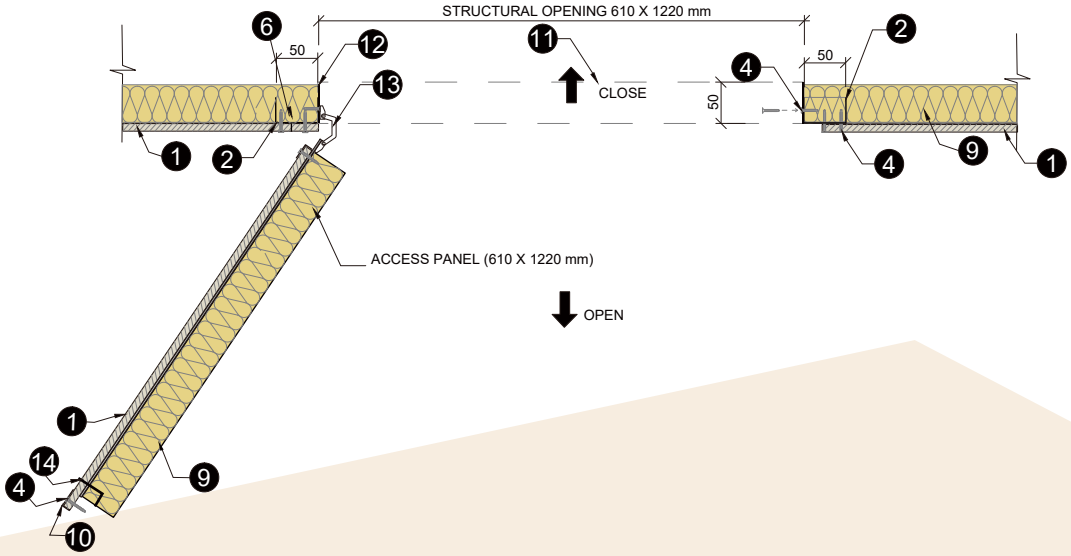
1. Wins Cement Board, 9 mm thick
2. Steel C-Channel at 610mm by 813mm
   32x50x32x0.5mm thick
3. Hanger steel stud 32x50x32x0.6mm thick @1220x1220
4. M4 Self-tapping screw, @200mm c/c
5. Wisma Rock Mineral Wool, 110kg/m^3, 50mm thick
6. Board joint were sealed with fire-stop sealant

9MM WINS CEMENT BOARD

Non-Loadbearing Suspended Ceiling System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-2:2018





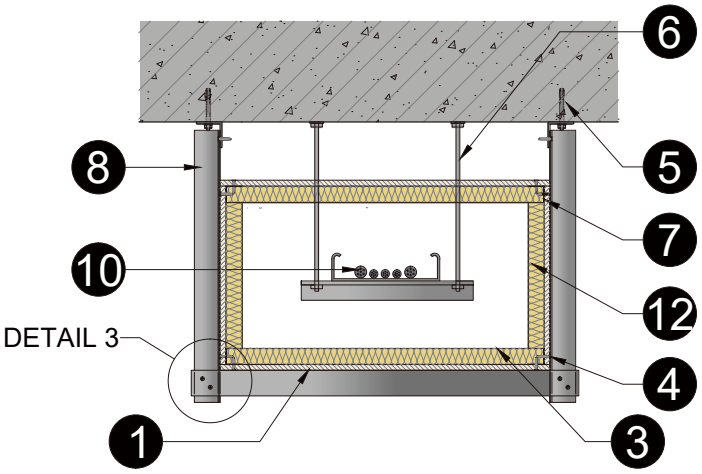
Technical Data:

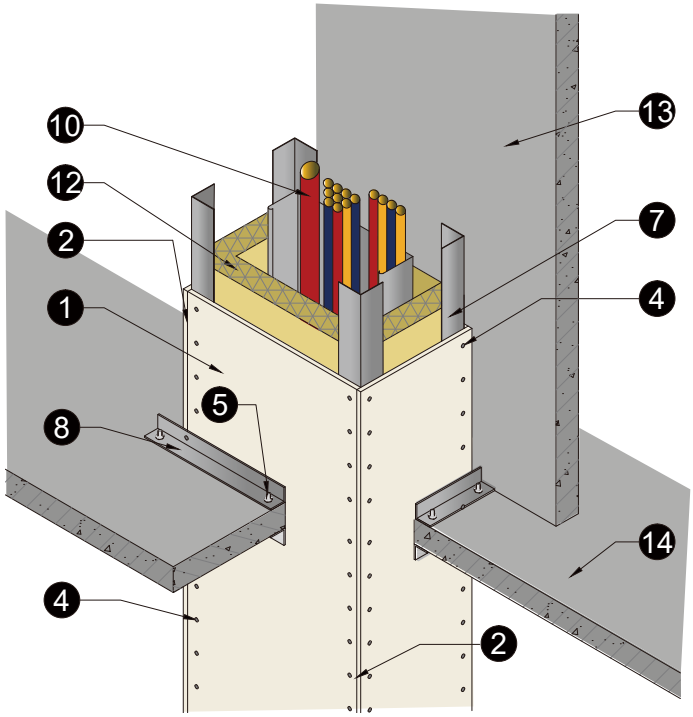
1. Wins Cement Board, 9 mm thick
2. Steel C-Channel at 610mm by 813mm 32x50x32x0.5mm thick
3. Hanger steel stud 32x50x32x0.6mm thick @1220x1220
4. M4 Self-tapping screw, @200mm c/c
5. Wins access panel with concealed hinges 610mm x1220mm
6. Board joint were sealed with fire-stop sealant
7. Free edge seal with Wisma Rock Mineral Wool and fire stop sealant
8. Iron Frame
9. Wisma Rock Mineral Wool, 110kg/m^3, 50mm thick
10. Steel angle 0.5mm thick (optional for edge protection)
11. Access panel steel frame
12. Intumescent strip
13. Hinge

9MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





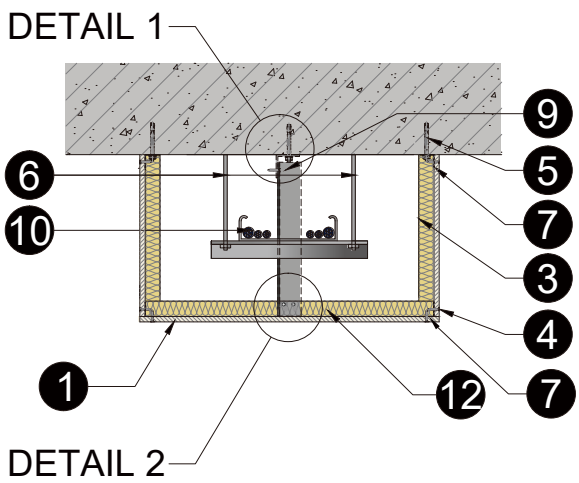
Technical Data:

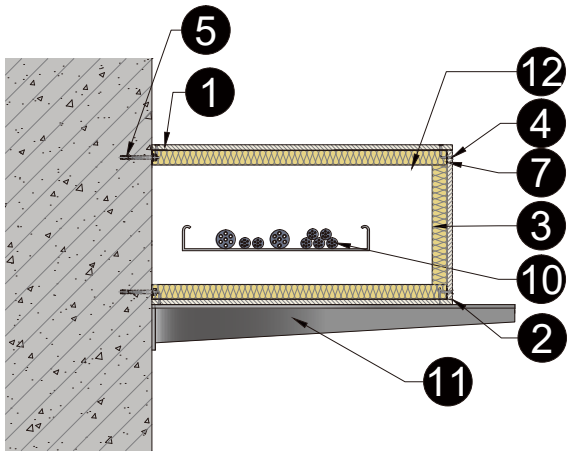
1. Wins Cement Board, 9mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling

9MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





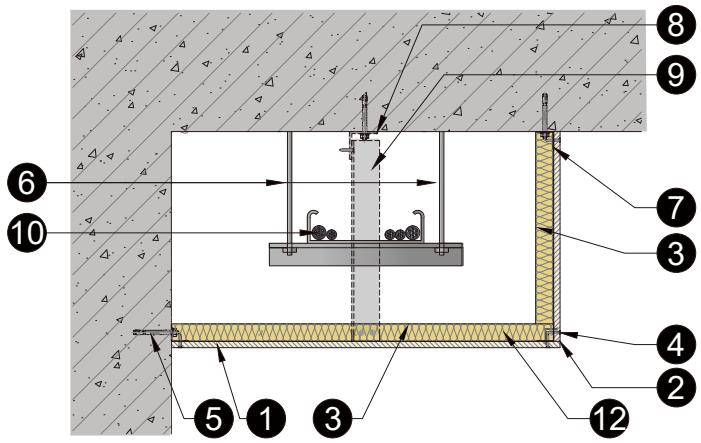
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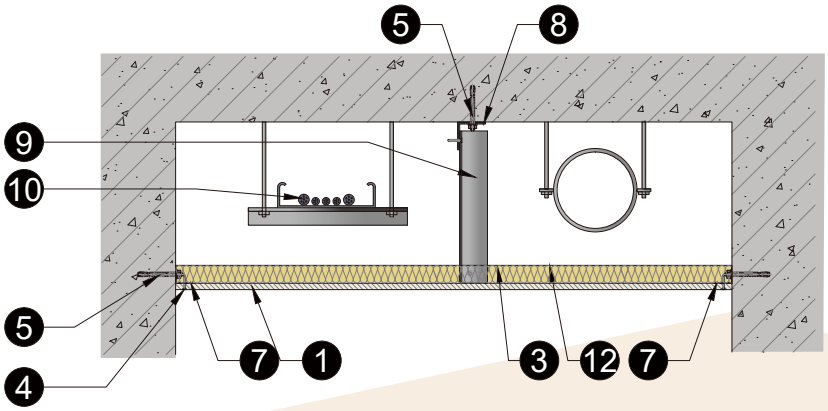
1 Wins Cement Board, 9mm Thick
2 Board joints sealed with Fire-stop sealant.
3 Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4 M4 self-tapping screw @ nominal 200mm centres.
5 M6 anchor bolt @ nominal 500mm centres.
6 Threaded Rod hanger stress not exceed 10N/mm^2
7 Steel angle minimum 25mm x 25mm x 0.6mm thick.
8 Steel angle minimum 50mm x 50mm x 0.6mm thick.
9 Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10 General E & M Services eg. Cable Trunking & Steel Pipe etc.
11 Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12 Wisma Rock Mineral Wool
1 layer of 50mm with nominal density of 110 kg/m3
13 Construction Wall
14 Concrete floor/ ceiling

9MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





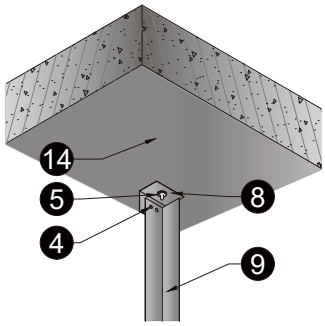
Technical Data:

1. Wins Cement Board, 9mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling

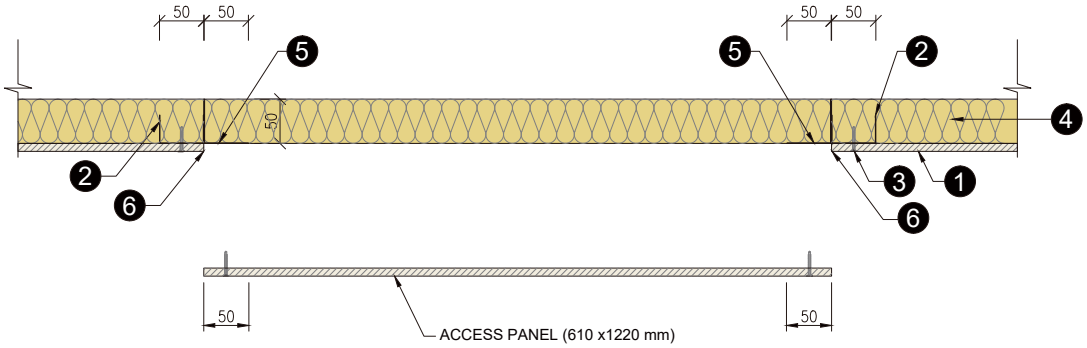
9MM WINS CEMENT BOARD

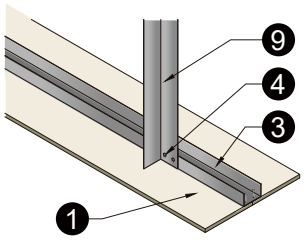
Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018

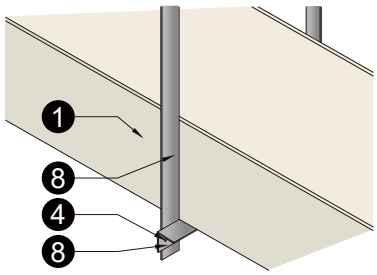


DETAIL 1

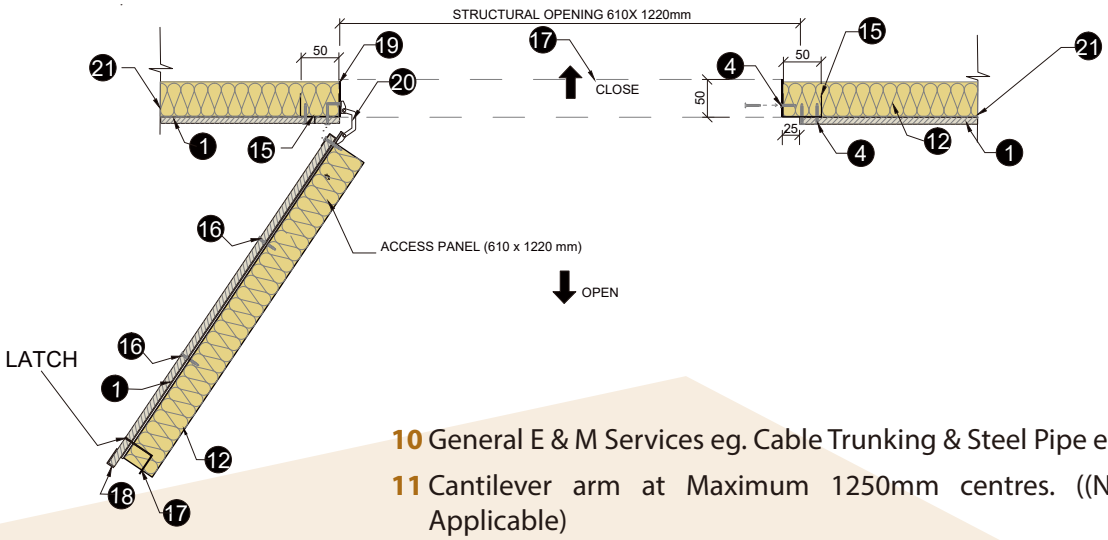




DETAIL 2



DETAIL 3



Technical Data:

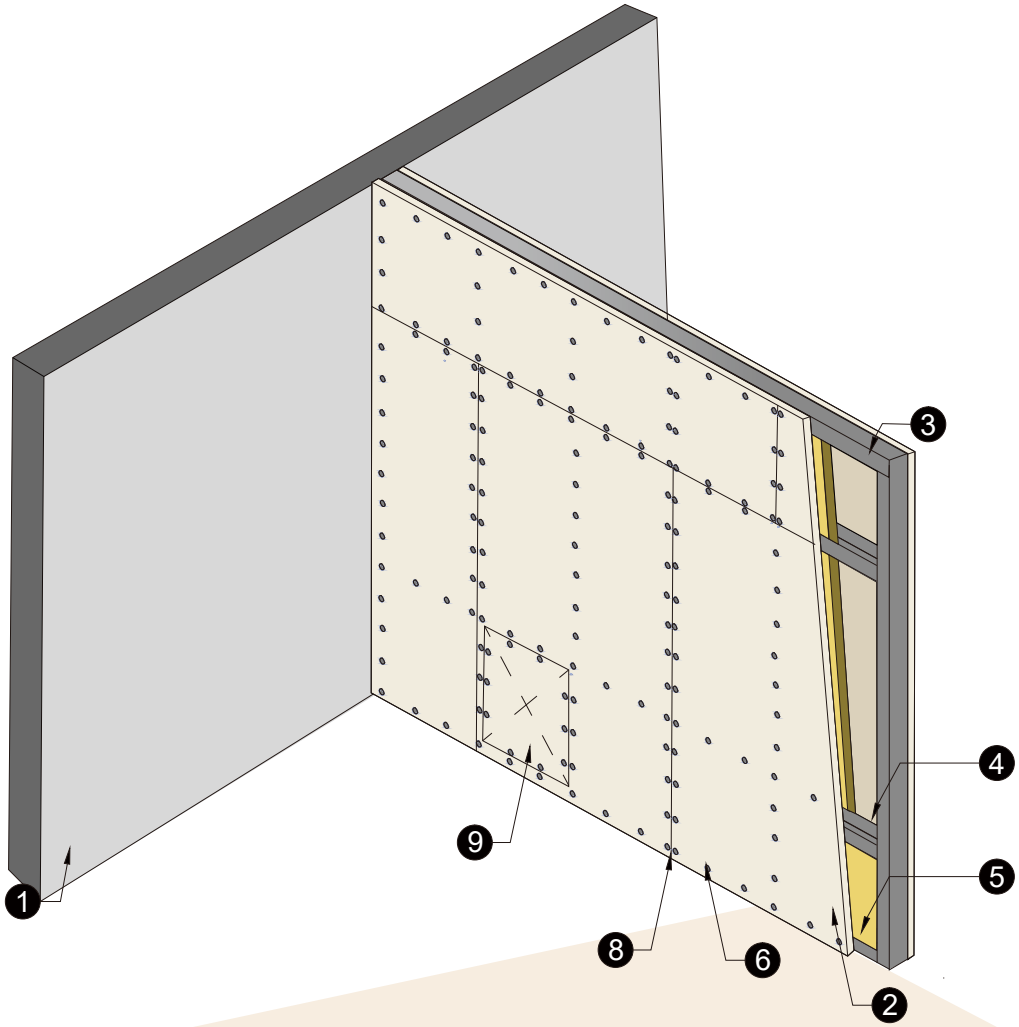
1. Wins Cement Board, 9mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling
15. Steel C-Channel 50x50x50x0.6mm thick
16. M4 self-tapping screw @ nominal 300mm centres.
17. Access Panel steel frame
18. Steel angel 0.5 mm thick (For edge protection)
19. Intumescent strip
20. Hinge
21. Suspended ceiling or enclosure

Wins Cement Board 6mm		
Description	**Standard**	**Test Result**
Non-combustibility test for materials	BS 476 part 4	Non-combustible
Fire Propagation	BS 476 part 6	Class 0
Surface spread of flame	BS 476 part 7	Class 1
Water Impermeability	BS EN 12467 : 2012 Clause 7.3.2	No formation of drops of water on the underside of the specimen
Water Absorption	ASTM C1185-23 Section 9	37.30%

6MM THICK WINS CEMENT BOARD

6 mm Non-Loadbearing Partition System

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-1:2015



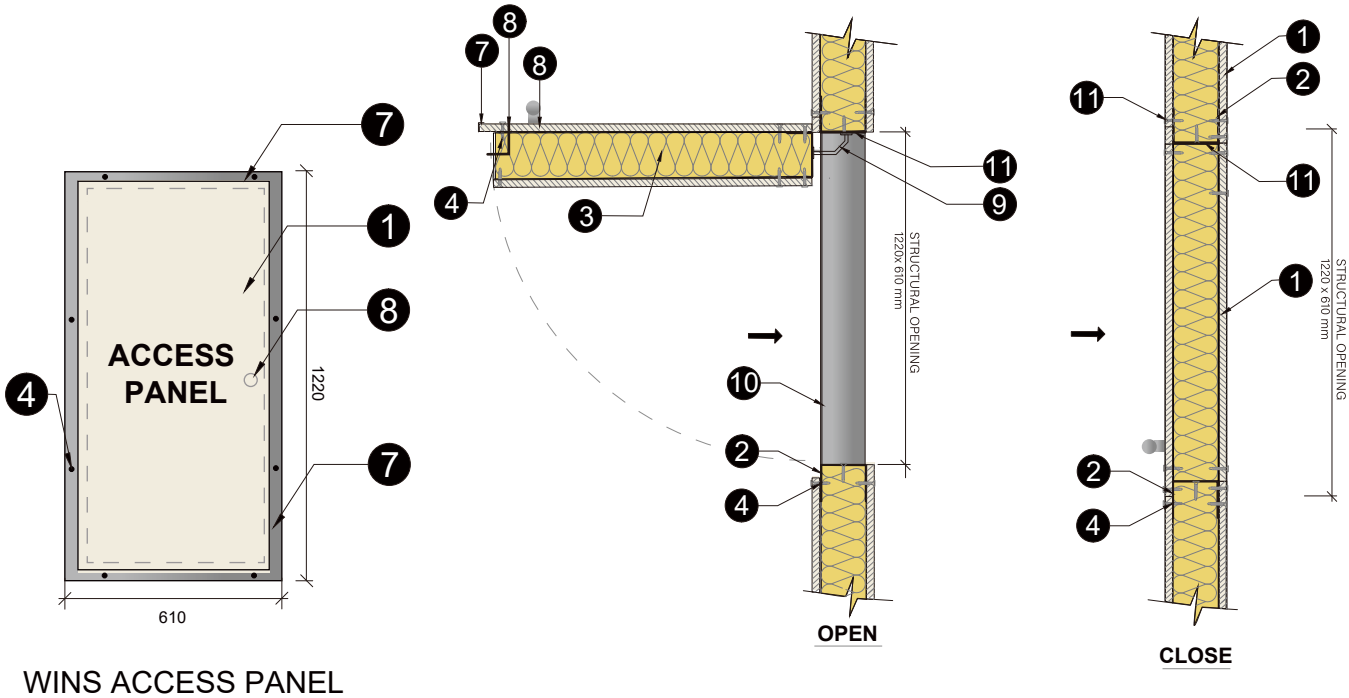
Technical Data:

1. Wall
2. Wins Cement Board, 6 mm thick
3. Steel track / Channel 32x50x32x0.5mm thick
4. Steel stud 32x50x32x0.5mm thick, @610mm by 2440mm centres
5. Wisma Rock Mineral Wool, 80kg/m^3, 50mm thick
6. M4 Self-tapping screw, @200mm c/c
7. M6 anchor bolt, @800mm c/c
8. Board joint sealed with fire retardant sealant
9. Access panel (Optional)

6MM THICK WINS CEMENT BOARD

Access Panel Door

1-2 HOURS FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-1:2015



WINS ACCESS PANEL

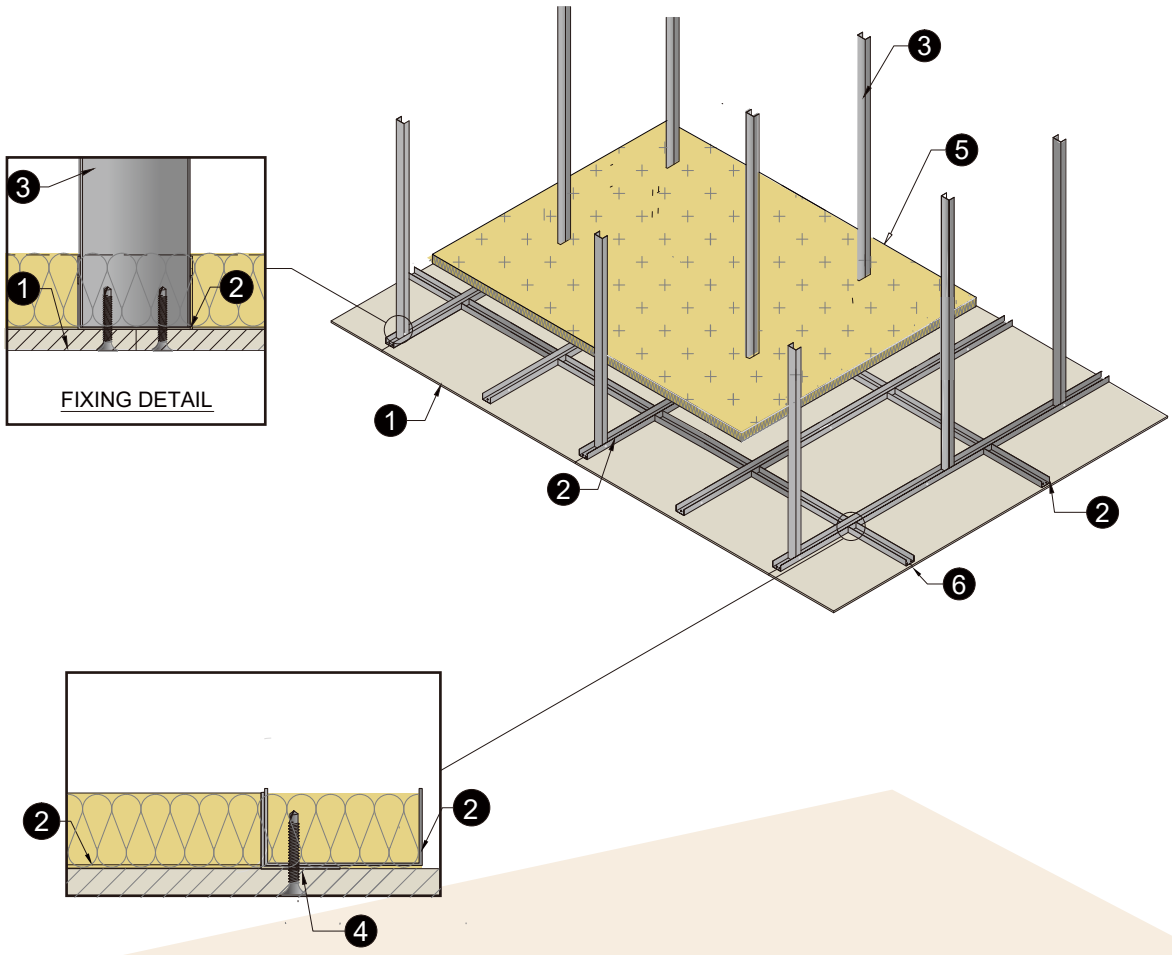
Technical Data:

1 Wins Cement Board, 6 mm thick
2 Steel stud 32x50x32x0.5mm thick
3 Wisma Rock Mineral Wool, 80kg/m^3, 50mm thick
4 M4 Self-tapping screw, @200mm c/c
5 Board joint sealed with fire retardant sealant
6 Access panel (Optional)
7 Steel angle for edge protection (optional)
8 Lock and Handle
9 Hinge
10 Access Panel steel frame
11 Intumescent strip

6MM WINS CEMENT BOARD

Non-Loadbearing Suspended Ceiling System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-2:2018



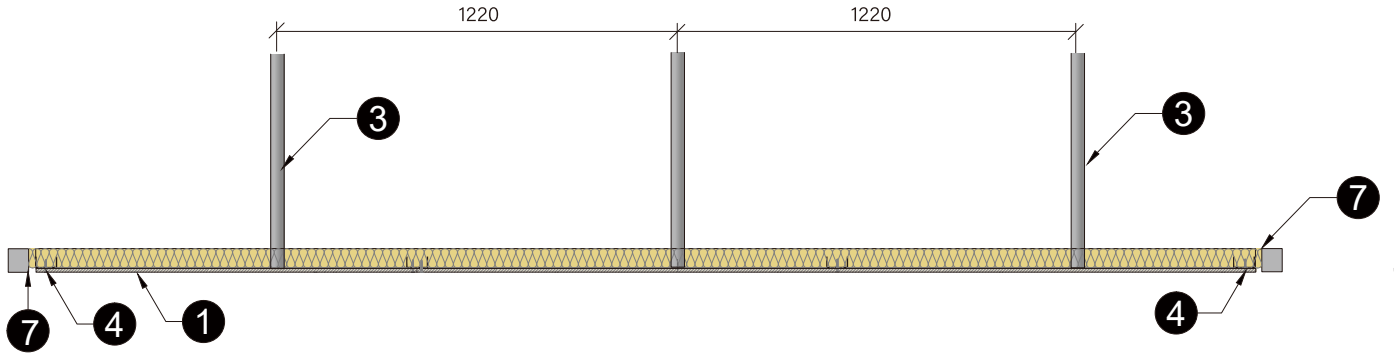
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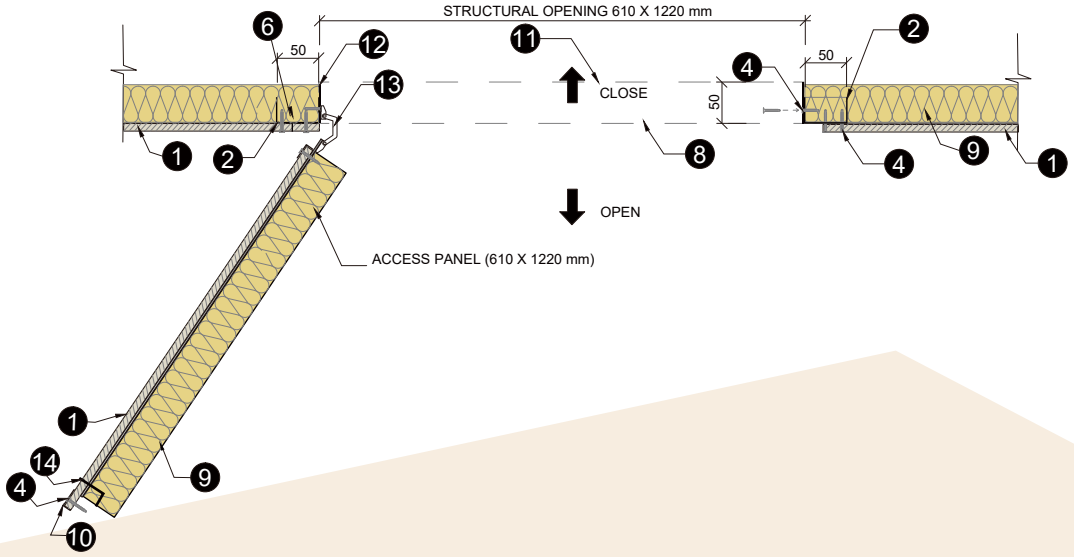
1 Wins Cement Board, 6 mm thick
2 Steel C-Channel at 610mm by 813mm 32x50x32x0.5mm thick
3 Hanger steel stud 32x50x32x0.6mm thick @1220x1220
4 M4 Self-tapping screw, @200mm c/c
5 Wisma Rock Mineral Wool, 110kg/m^3, 50mm thick
6 Board joint were sealed with fire-stop sealant
7 Free edge
8 Iron Frame
9 Steel angle 0.5mm thick (optional for edge protection)
10 Access panel steel frame
11 Intumescent strip
12 Hinge
13 Latch

6MM WINS CEMENT BOARD

Non-Loadbearing Suspended Ceiling System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-2:2018





Technical Data:

1 Wins Cement Board, 6 mm thick

2 Steel C-Channel at 610mm by 813mm 32x50x32x0.5mm thick

3 Hanger steel stud 32x50x32x0.6mm thick @1220x1220

4 M4 Self-tapping screw, @200mm c/c

5 Wins access panel with concealed hinges 610mm x1220mm

6 Board joint were sealed with fire-stop sealant

7 Free edge seal with Wisma Rock Mineral Wool and fire stop sealant

8 Iron Frame

9 Wisma Rock Mineral Wool, 110kg/m^3, 50mm thick

10 Steel angle 0.5mm thick (optional for edge protection)

11 Access panel steel frame

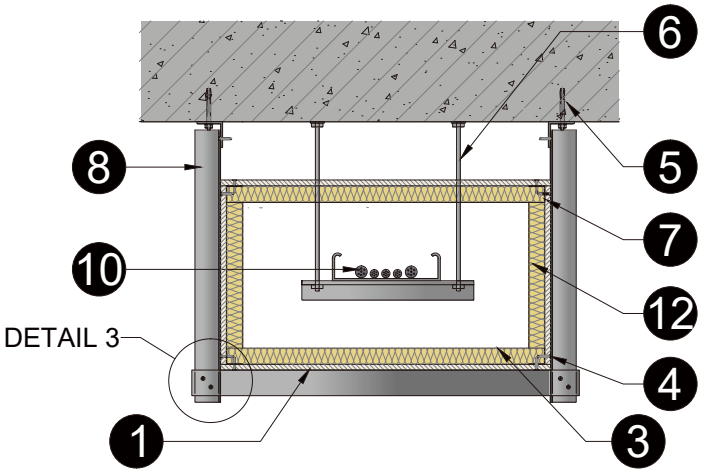
12 Intumescent strip

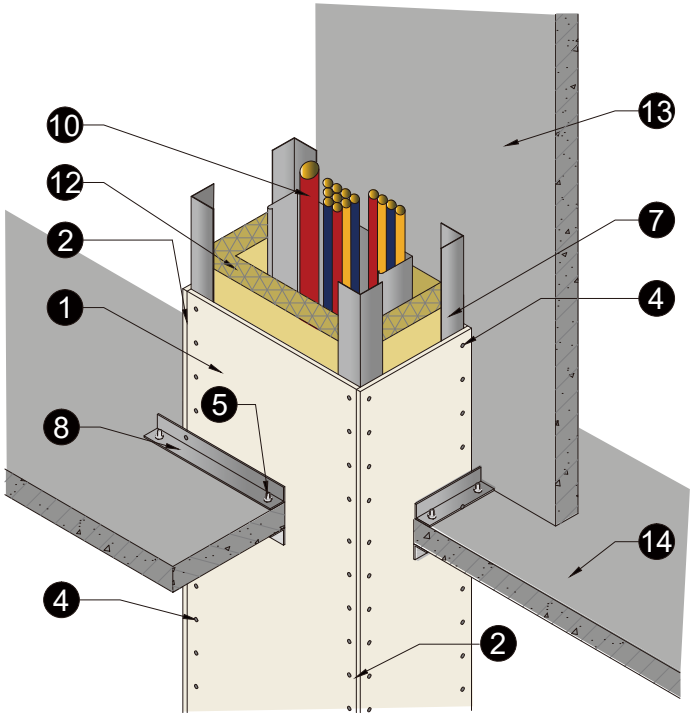
13 Hinge

6MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





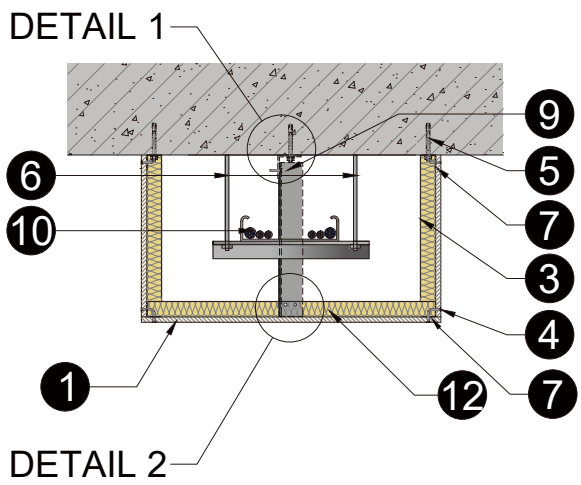
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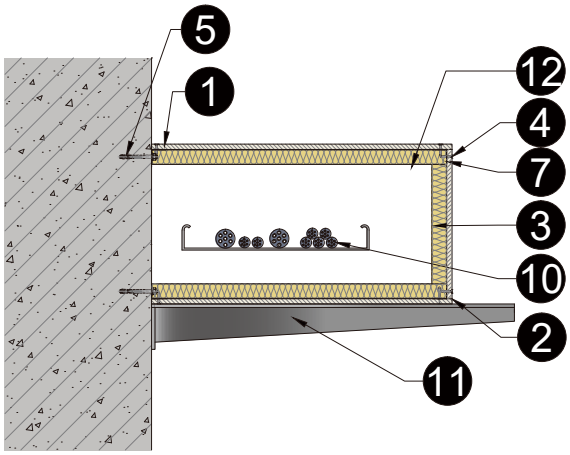
1. Wins Cement Board, 6mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling

6MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





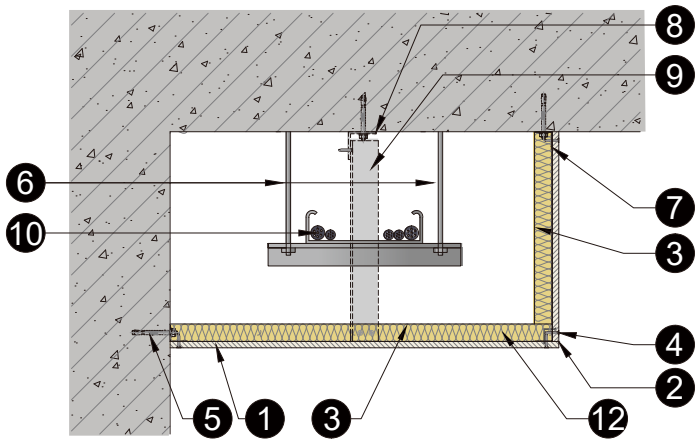
Technical Data:

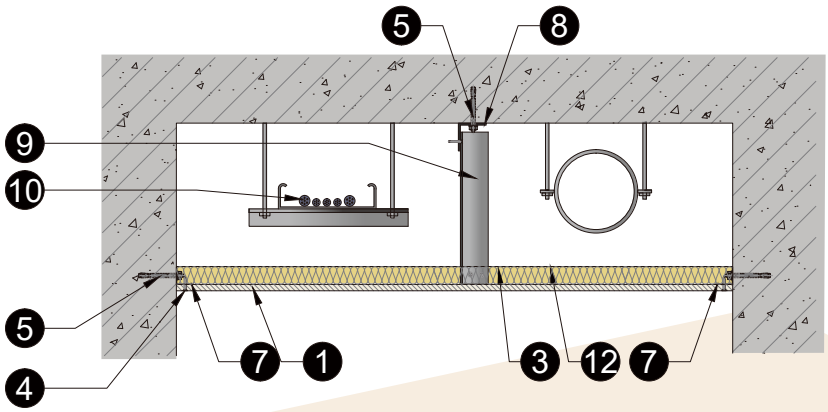
1. Wins Cement Board, 6mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling

6MM WINS CEMENT BOARD

Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION
IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018





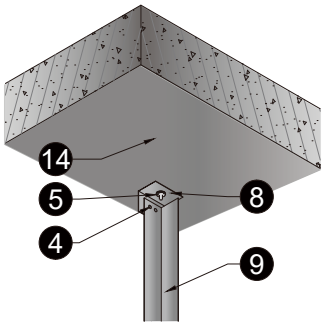
Technical Data:

1. Wins Cement Board, 6mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling

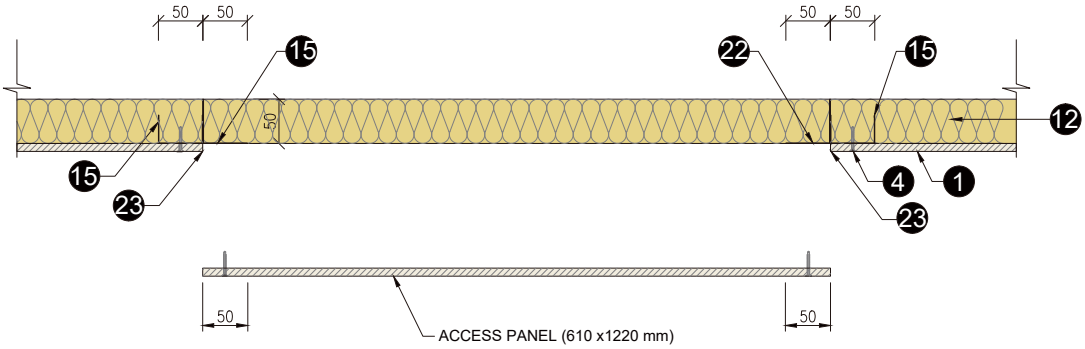
6MM WINS CEMENT BOARD

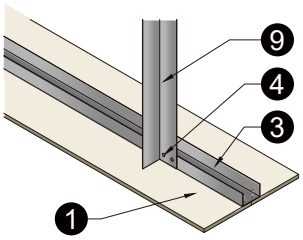
Enclosure System

1 HOUR FIRE RESISTANCE RATING, INTEGRITY & INSULATION IN ACCORDANCE WITH BS EN 1364-1:2015 & BS EN 1364-2:2018

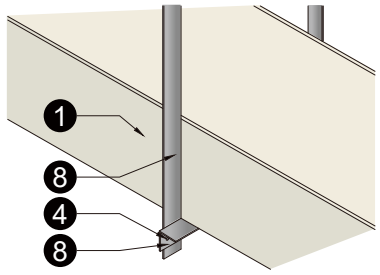


DETAIL 1

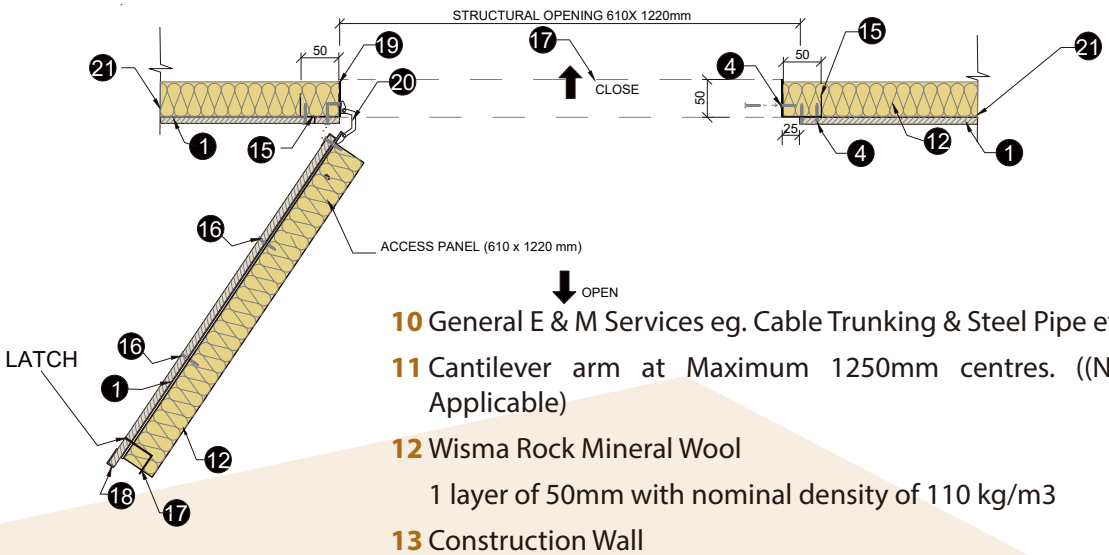




DETAIL 2



DETAIL 3



Technical Data:

1. Wins Cement Board, 6mm Thick
2. Board joints sealed with Fire-stop sealant.
3. Steel Channel Collar Minimum 50 x 32 x 0.5mm thick @ nominal 1220mm centres.
4. M4 self-tapping screw @ nominal 200mm centres.
5. M6 anchor bolt @ nominal 500mm centres.
6. Threaded Rod hanger stress not exceed 10N/mm^2
7. Steel angle minimum 25mm x 25mm x 0.6mm thick.
8. Steel angle minimum 50mm x 50mm x 0.6mm thick.
9. Fit an additional hanger (50 x 50 x 0.6mm) at mid width when the enclosure external width exceeds 1220 mm
10. General E & M Services eg. Cable Trunking & Steel Pipe etc.
11. Cantilever arm at Maximum 1250mm centres. ((Not Applicable)
12. Wisma Rock Mineral Wool
    1 layer of 50mm with nominal density of 110 kg/m3
13. Construction Wall
14. Concrete floor/ ceiling
15. Steel C-Channel 50x50x50x0.6mm thick
16. M4 self-tapping screw @ nominal 300mm centres.
17. Access Panel steel frame
18. Steel angel 0.5 mm thick (For edge protection)
19. Intumescent strip
20. Hinge
21. Suspended ceiling or enclosure
22. Ceiling opening,stiffener Galvanised steel angle 50 x 50 x 0.5mm thick
23. Board joints exceeding 3mm sealed with Fire-stop sealant.



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