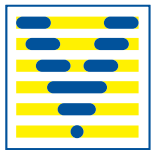# ISTAMATIC®
VISION PANELS

Technical Specifications

Hardwood Bead details
Cross Section specifications
Aperture Measurements

Vistamatic® Ltd
Unit 4, 62-70 Fowler Road
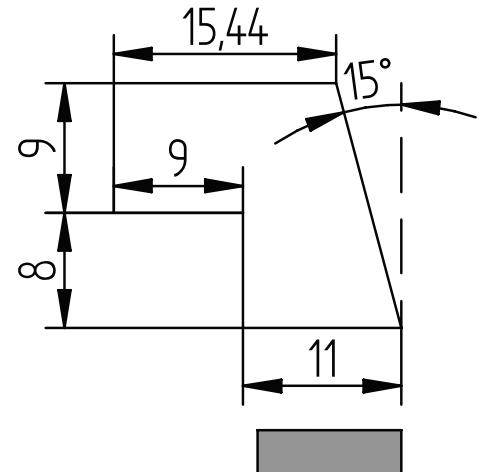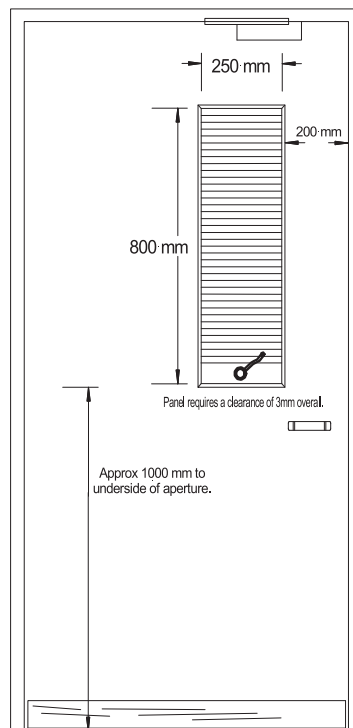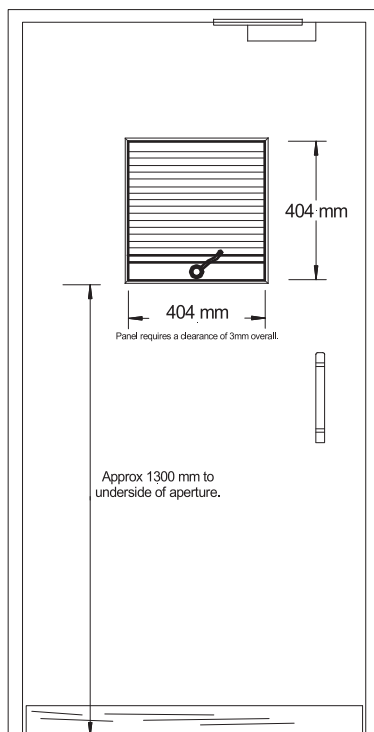Hainault, Essex IG6 3UT

Hardwood Bead Details for Fire Rated VISTAMATIC® Vision Panel

Any type of hardwood bead is suitable to fix the Vistamatic Vision Panel into a door or wall aperture. Fixing can be achieved by screwing or nailing which ever is suitable for the project. The beads should be mitred at the corners to achieve the correct aesthetic finish. The Vistamatic Vision Panel requires a clearance of 6mm overall as it should not be a tight fit in the aperture.
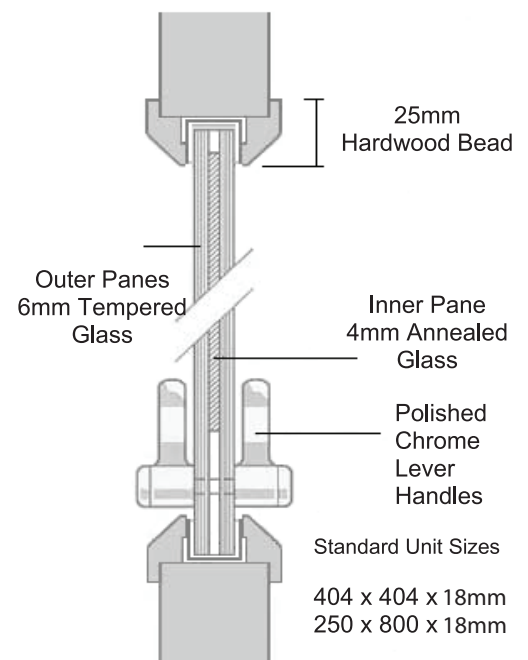
An intumescent strip (Lorient LP 1003) or equivalent paste should be placed where indicated to achieve half hour fire integrity in accordance with our fire certificate.

Aperture Measurements and Cross Section specifications

404 mm

404 mm

Panel requires a clearance of 3mm overall.

Approx 1300 mm to underside of aperture.

250 mm

200 mm

800 mm

Panel requires a clearance of 3mm overall.

Approx 1000 mm to underside of aperture.

Cross Section of VS2/VSO2 Unit

25mm Hardwood Bead

Outer Panes 6mm Tempered Glass

Inner Pane 4mm Annealed Glass

Polished Chrome Lever Handles

Standard Unit Sizes

404 x 404 x 18mm
250 x 800 x 18mm

All sizes shown are approximate and intended as a guide only
Clearance of 3mm overall is required for cut-outs to allow fitting.

For more technical information on the VISTAMATIC® range including Glass Integrity and Fire Ratings, Operating Systems, Graphics and Colour Options visit www.vistamatic.com

Technical Data Sheet

ISTAMATIC®
VISION PANELS

Model Types

VS1—VSO1
Standard: Square or Oblong
Standard Lines or Max Lines
NON Fire Rated
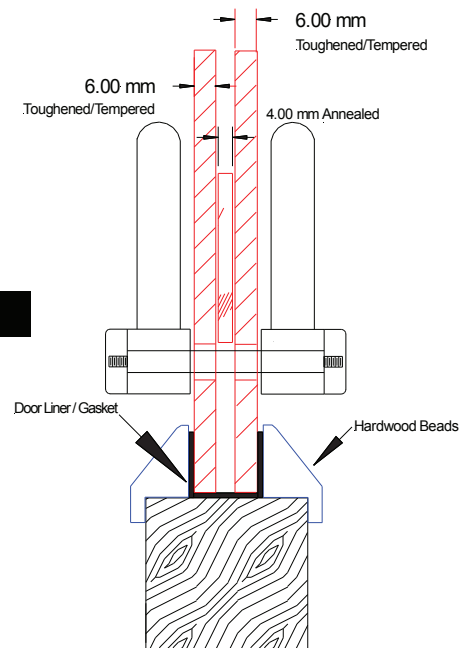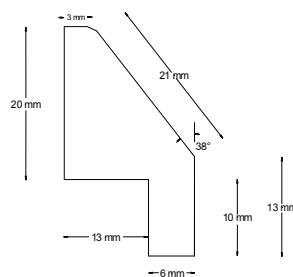
Standard Sizes Available

404mm x 404mm
and
250mm x 800mm

Bespoke sizes available on request

Hardwood Bead Details for 44mm Door

6.00 mm
.Toughened/Tempered

6.00 mm
.Toughened/Tempered

4.00 mm Annealed

Door Liner / Gasket

Hardwood Beads

3 mm
21 mm
20 mm
38°
13 mm
10 mm
13 mm
6 mm

Non Fire Glass Details

6mm Toughened/Tempered
to both outer panes.
4mm Annealed to moving centre.

**All tempered glass conforms to
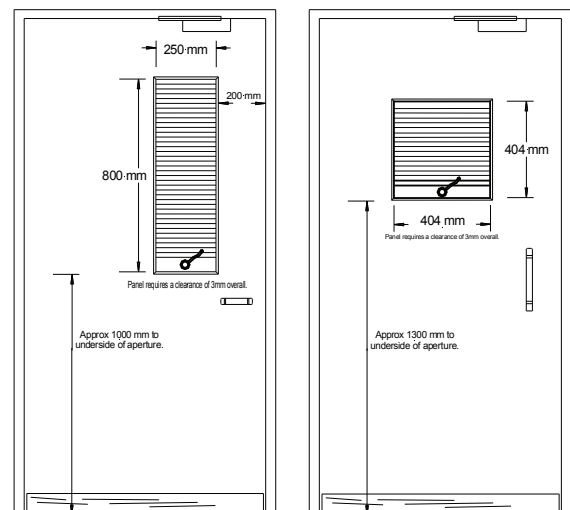BS6206 meeting impact class 'A'**

Alternative Glass Details

Toughened Glass
8mm – 10mm – 12mm – 19mm

Laminated Glass
6.4mm – 7.5mm – 8.8mm – 10.8mm – 11.5mm – 13.5mm

Acoustic Laminated Glass
6.8mm – 8.8mm – 10.8mm – 12.8mm – 16.8mm

Anti-Ligature Handle Options

Door Blank Cut-outs

250 mm
200 mm
800 mm
Panel requires a clearance of 3mm overall.
Approx 1000 mm to underside of aperture.

404 mm
404 mm
Panel requires a clearance of 3mm overall.
Approx 1300 mm to underside of aperture.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

Sectors for Vistamatic use

Healthcare
Education
Security
Commercial
Residential

or anywhere where discreet
observation and security are required.

For more information visit our web site www.vistamatic.com

Technical Data Sheet

ISTAMATIC ®
VISION PANELS

Model Types

VS1—VSO1
Standard: Square or Oblong
Standard Lines or Max Lines
FD30—Fire Rated
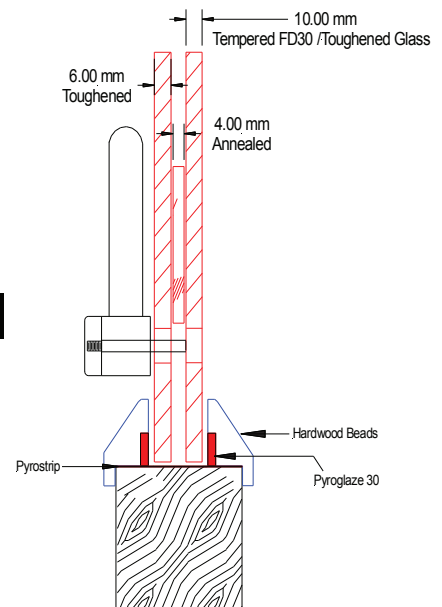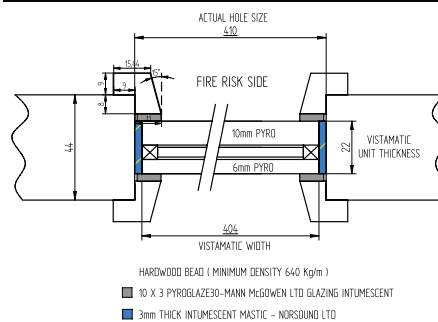
Standard Sizes Available

404mm x 404mm
and
250mm x 800mm

Bespoke sizes available on request

FD30 Hardwood Bead Details for 44mm Door

ACTUAL HOLE SIZE
410

FIRE RISK SIDE

10mm PYRO
6mm PYRO

VISTAMATIC UNIT THICKNESS

44

22

404
VISTAMATIC WIDTH

HARDWOOD BEAD (MINIMUM DENSITY 640 Kg/m)
10 X 3 PYROGLAZE30-MANN McGOWEN LTD GLAZING INTUMESCENT
3mm THICK INTUMESCENT MASTIC – NORSOUND LTD

10.00 mm
Tempered FD30 /Toughened Glass

6.00 mm
Toughened

4.00 mm
Annealed

Hardwood Beads

Pyrostrip

Pyroglaze 30
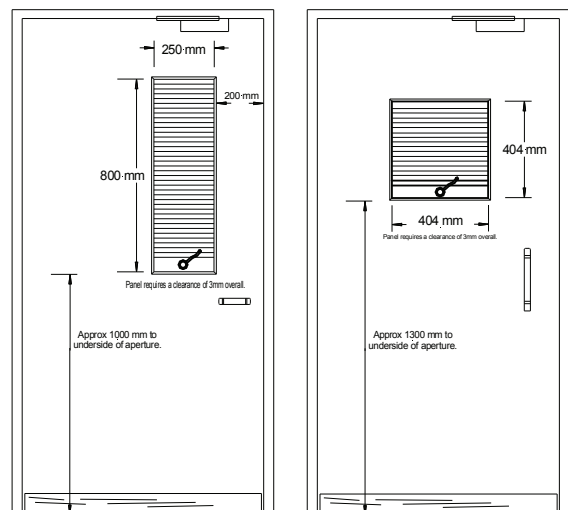
BSEN:1634

Standard FD30 Glass Details

External Pane: 6mm Toughened Glass
Internal Pane: 10mm Pyro-EX Toughened Glass
4mm Annealed Glass moving centre.

**All tempered glass conforms to
BS6206 meeting impact class 'A'**

Alternative FD30 Fire Glass Details

Pyroshield Safety Clear (Wired)
6mm Pyrocet XP
Pyroguard C730 Clear
7mm Pyrodur Plus
10mm Pyrocet XP
10mm Pyrodur
15mm Pyrostop
16mm Pyrobel
18mm Pyrostop

Anti-Ligature Handle Options

Door Blank Cut-outs

250 mm

200 mm

800 mm

Panel requires a clearance of 3mm overall.

Approx 1000 mm to
underside of aperture.

404 mm

404 mm

Panel requires a clearance of 3mm overall.

Approx 1300 mm to
underside of aperture.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

Sectors for Vistamatic use

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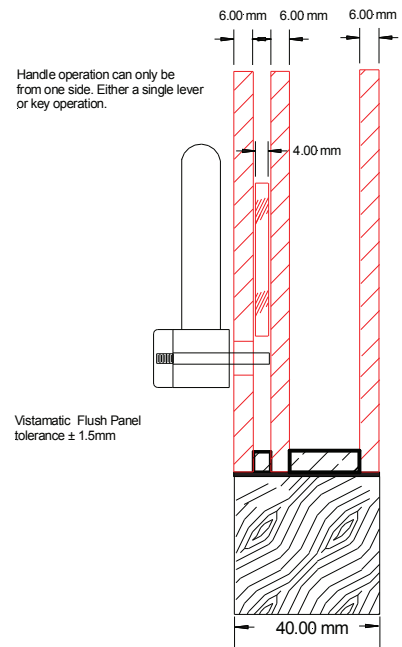
Technical Data Sheet

ISTAMATIC®

VISION PANELS

Model Types

Vistamatic Flush
Standard: Square or Oblong
Max Lines
NON Fire Rated

Sizes Available

404mm x 404mm
and
250mm x 800mm

Bespoke sizes available on request

**Panel to suit
any Wall or Door
thickness**

6.00 mm   6.00 mm   6.00 mm

Handle operation can only be from one side. Either a single lever or key operation.

4.00 mm

Vistamatic Flush Panel
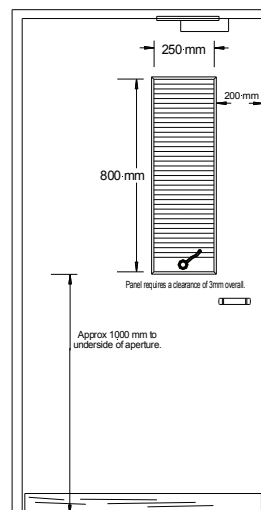tolerance ± 1.5mm

40.00 mm

Non Fire Glass Details

6mm Toughened/Tempered
to both outer panes.
4mm Annealed to moving centre.

**All tempered glass conforms to
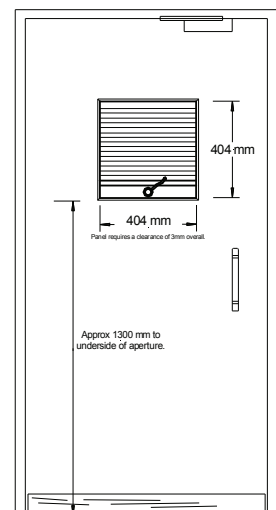BS6206 meeting impact class 'A'**

Alternative FD30 Fire Glass Details

Pyroshield Safety Clear (Wired)
6mm Pyrocet XP
Pyroguard C730 Clear
7mm Pyrodur Plus
10mm Pyrocet XP
10mm Pyrodur
10mm Pyro-EX
15mm Pyrostop
16mm Pyrobel
18mm Pyrostop

Anti-Ligature Handle Options

Door Blank Cut-outs

250 mm

200 mm

800 mm

Panel requires a clearance of 3mm overall.

Approx 1000 mm to
underside of aperture.

404 mm

404 mm

Panel requires a clearance of 3mm overall.

Approx 1300 mm to
underside of aperture.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

Sectors for Vistamatic use

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For more information visit our web site www.vistamatic.com

Technical Data Sheet

ISTA MATIC ®
VISION PANELS

Model Types

Vistaport
400mm Round
Standard Lines
NON Fire Rated

Vistaport can be installed using either a hardwood bead or the Vistamatic Stainless Steel security bead.

6.00 mm
Toughened/Tempered

6.00 mm
Toughened/Tempered

4.00 mm Annealed

Metal U Channel

Stainless Steal Metal Bead

Non Fire Glass Details

6mm Toughened/Tempered
to both outer panes.
4mm Annealed to moving centre.

**All tempered glass conforms to
BS6206 meeting impact class 'A'**

Alternative FD30 Fire Glass Details

Pyroshield Safety Clear (Wired)
6mm Pyrocet XP
Pyroguard C730 Clear
7mm Pyrodur Plus
10mm Pyrocet XP
10mm Pyrodur
10mm Pyro-EX
15mm Pyrostop
16mm Pyrobel
18mm Pyrostop

Anti-Ligature Handle Options

Door Blank Cut-out

400 mm

400 mm
Panel requires a clearance of 3mm overall.

Approx 1300 mm to
underside of aperture.

All sizes shown are approximate and intended as a guide only.
Drawing is not to scale.

Sectors for Vistamatic use

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Commercial
Residential

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observation and security are required.

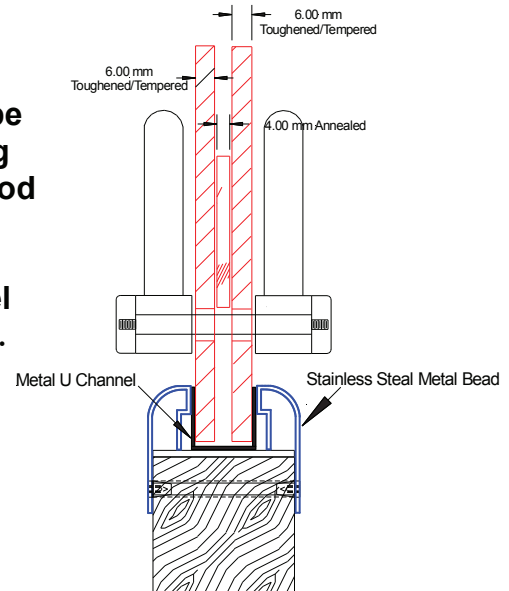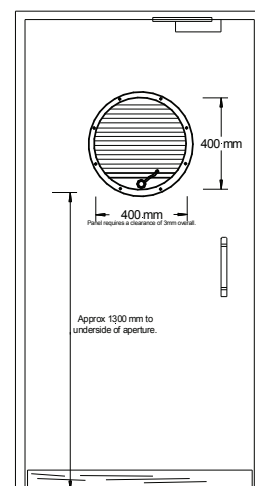**For more information visit our web site www.vistamatic.com**

Technical Data Sheet

VISTAMATIC
VISION PANELS

Model Types

Vistamatic XL
Oblong Vision Panel
Standard Lines or Max Lines
NON Fire Rated

6.00 mm
Toughened

6.00 mm
Toughened

4.00 mm
Annealed

Hardwood Beads

Sizes Available

Widths from 175 mm to 500 mm

and

Heights from 1150 mm x 1500 mm

Hardwood Bead Details for 44mm Door

3 mm

20 mm

22 mm

13 mm

135.00°

10 mm

13 mm

6 mm

Non Fire Glass Details

6mm Toughened/Tempered
to both outer panes.
4mm Annealed to moving centre.

**All tempered glass conforms to
BS6206 meeting impact class 'A'**

Alternative FD30 Fire Glass Details

Pyroshield Safety Clear (Wired)
6mm Pyrocet XP
Pyroguard C730 Clear
7mm Pyrodur Plus
10mm Pyrocet XP
10mm Pyrodur
10mm Pyro-EX
15mm Pyrostop
16mm Pyrobel
18mm Pyrostop

Anti-Ligature Handle Options

Door Blank Cut-out

175 mm
to
500 mm

200 mm

Height
1150 mm
to
1500mm

Panel requires a clearance
of 3mm overall.

Sectors for Vistamatic use

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Security
Commercial
Residential

or anywhere where discreet
observation and security are required.

For more information visit our web site www.vistamatic.com

Technical Data Sheet

Model Types

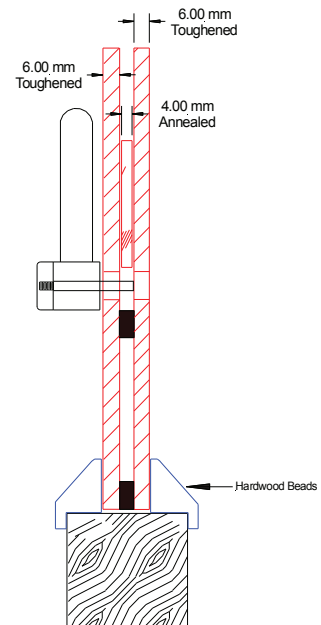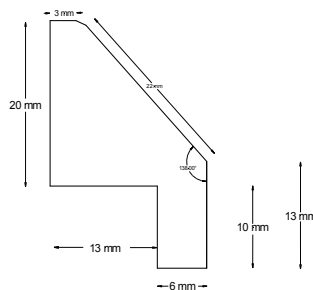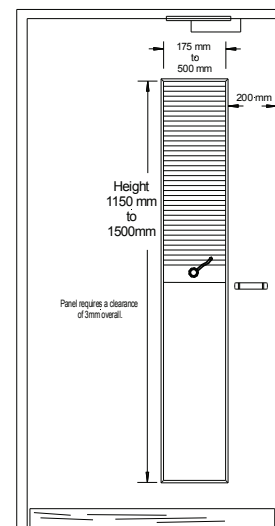**Vistamatic XL
Oblong Vision Panel
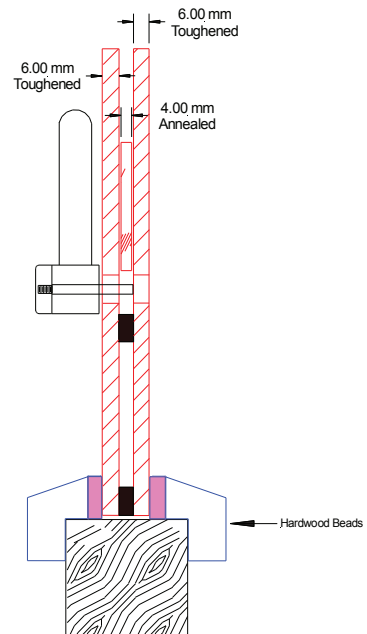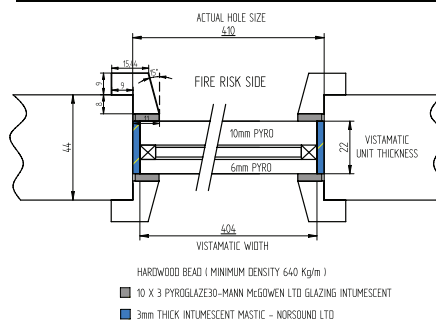Standard Lines or Max Lines
FD 30 Fire Rated**

VISION PANELS

Sizes Available

Widths from 175 mm to 500 mm

and

Heights from 1150 mm x 1500 mm

6.00 mm
Toughened

6.00 mm
Toughened

4.00 mm
Annealed

Hardwood Bead Details for FD30 44mm Door

ACTUAL HOLE SIZE
410

FIRE RISK SIDE

10mm PYRO
VISTAMATIC
UNIT THICKNESS
6mm PYRO

404
VISTAMATIC WIDTH

HARDWOOD BEAD (MINIMUM DENSITY 640 Kg/m)
10 X 3 PYROGLAZE30–MANN McGOWEN LTD GLAZING INTUMESCENT
3mm THICK INTUMESCENT MASTIC – NORSOUND LTD
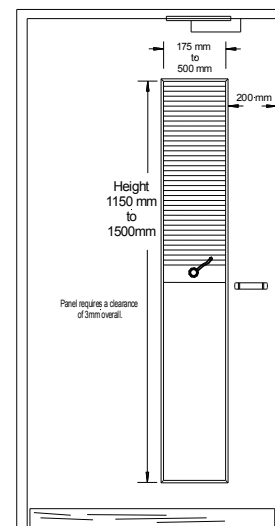
Hardwood Beads

Standard FD30 Glass Details

External Pane: 6mm Toughened Glass
Internal Pane: 10mm Pyro-EX Toughened Glass
4mm Annealed Glass moving centre.

**All tempered glass conforms to
BS6206 meeting impact class 'A'**

Alternative FD30 Fire Glass Details

Pyroshield Safety Clear (Wired)
6mm Pyrocet XP
Pyroguard C730 Clear
7mm Pyrodur Plus
10mm Pyrocet XP
10mm Pyrodur
15mm Pyrostop
16mm Pyrobel
18mm Pyrostop

Anti-Ligature Handle Options

Door Blank Cut-out

175 mm
to
500 mm

200 mm

Height
1150 mm
to
1500mm

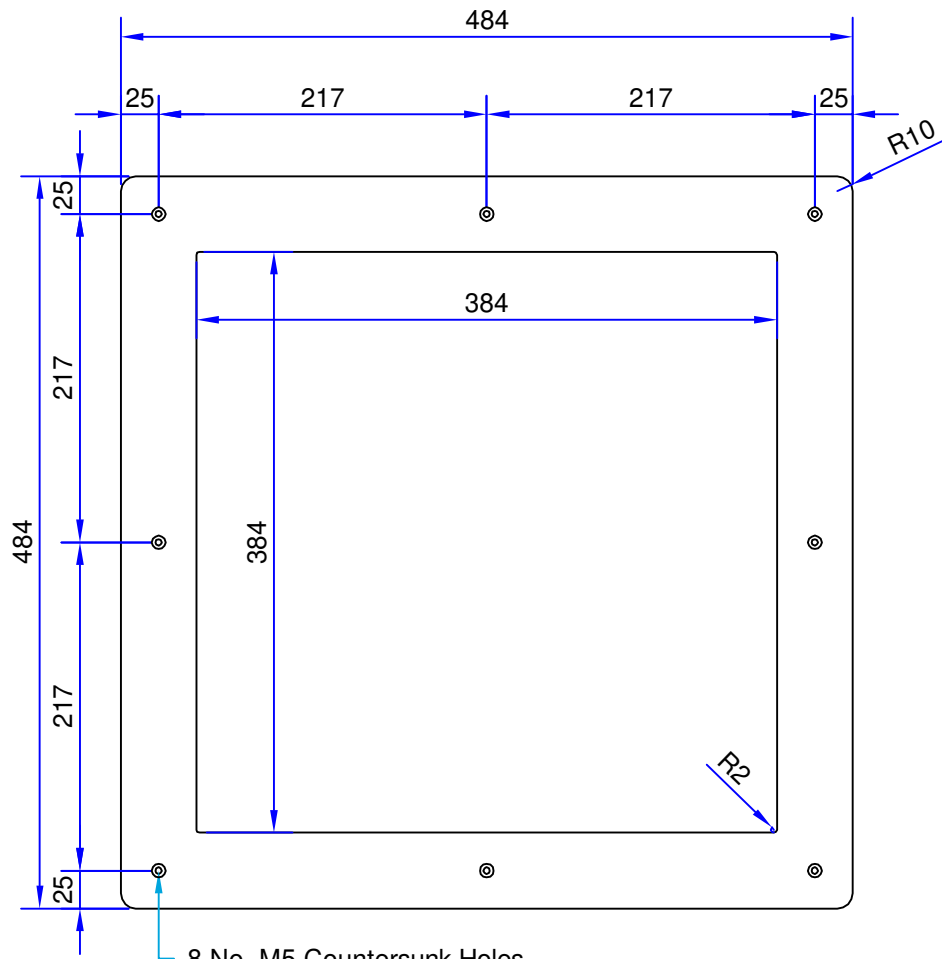Panel requires a clearance
of 3mm overall.

Sectors for Vistamatic use

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Commercial
Residential
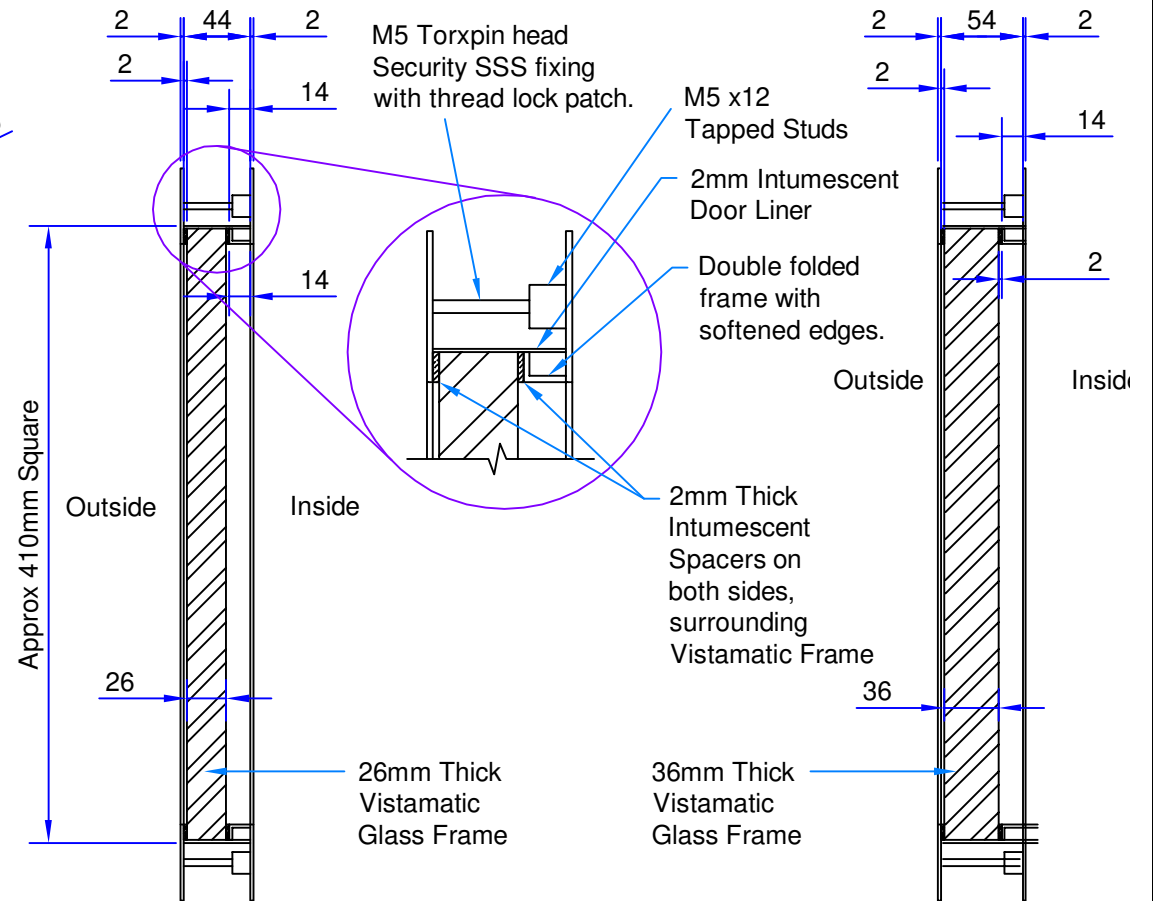
or anywhere where discreet
observation and security are required.

For more information visit our web site www.vistamatic.com

FRONT VIEW

484

25 | 217 | 217 | 25

R10

25

217

384

484

384

217

25

R2

8 No. M5 Countersunk Holes.

Approx 410mm Square

SIDE VIEW FOR 44mm DOOR

2 | 44 | 2

2

14

Outside

Inside

14

26

26mm Thick Vistamatic Glass Frame

M5 Torxpin head Security SSS fixing with thread lock patch.

M5 x12 Tapped Studs

2mm Intumescent Door Liner

Double folded frame with softened edges.

2mm Thick Intumescent Spacers on both sides, surrounding Vistamatic Frame

SIDE VIEW FOR 54mm DOOR

2 | 54 | 2

2

14

Outside

Inside

2

36

36mm Thick Vistamatic Glass Frame

PLEASE NOTE
OTHER SIZE DOOR THICKNESS'S
OR VISTAMATIC GLASS FRAME
THICKNESS'S ARE AVAILABLE TO BE SUPPLIED.

	Drawn By	Approved By:	Date
Title	Vistamatic Fascia S/S Frame Details		
Part No.	VISTA SS 20/14	Scale	Sheet

FRONT VIEW

330
25 280 25
R10
25
230
280
780
880
280
270
25
R2.5

8 No. M5 Countersunk Holes

SIDE VIEW
FOR 44mm DOOR

2 44 2
2
14
14
Approx 810 x 260mm
Outside Inside
26
26mm Thick Vistamatic Glass Frame

M5 Torxpin head Security SSS fixing with thread lock patch.

M5 x12 Tapped Studs

2mm Intumescent Door Liner

Double folded frame with softened edges.

2mm Thick Intumescent Spacers on both sides, surrounding Vistamatic Frame

SIDE VIEW
FOR 54mm DOOR

2 54 2
2
14
2
Outside Inside
36
36mm Thick Vistamatic Glass Frame

	Drawn By	Approved By:	Date
	Title	Vistamatic Fascia S/S Frame Details	
	Part No. VISTA SS 21/14	Scale	Sheet