

TRAFALGAR



MaxiLite FIRE RATED BULK HEAD SYSTEMS

UTILISING LIGHTWEIGHT 40mm BOARD

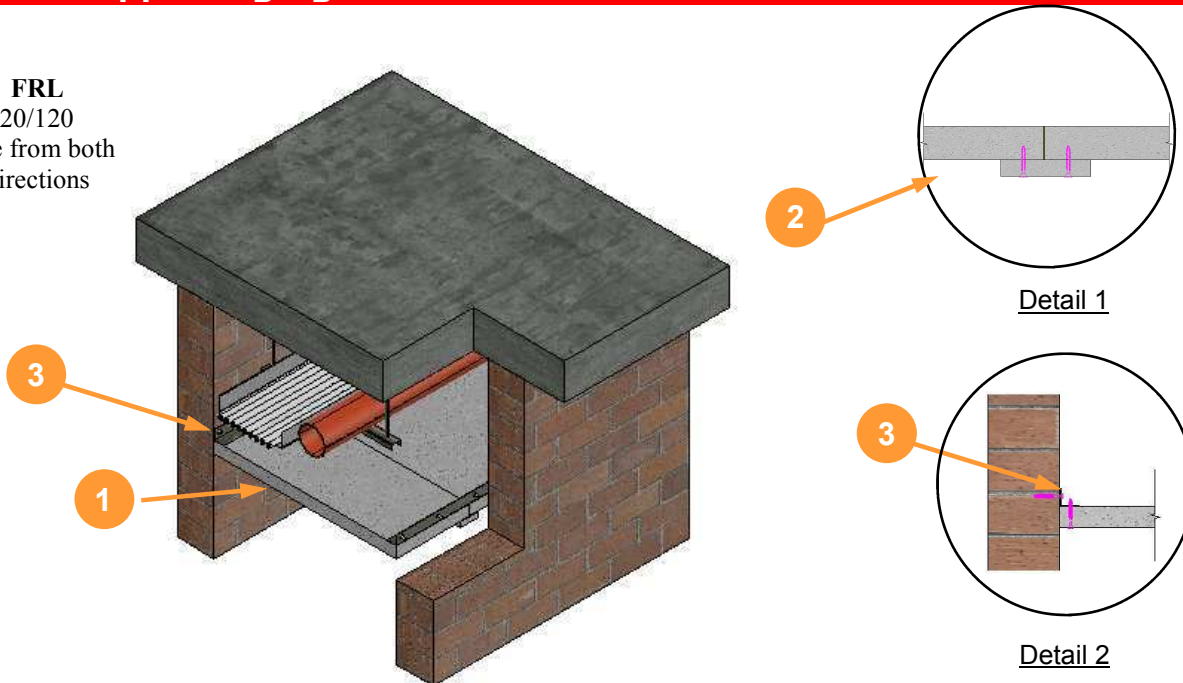
Up to 2 hours Fire Ratings
(to AS 1530.4-2005)

Horizontal one-sided bulkheads 40mm thick Maxilite boards, up to 1500mm wide



Self-supporting system

FRL
-/120/120
Fire from both
directions



Key:

- 1 Maxilite boards, 40mm thick
- 2 Cover Strips (Detail 1)
- 3 Steel angles, 50mm x 50mm x 0.8mm (Detail 2)

Maxilite board	40mm thick board for 2 hour fire rating. Boards are joined together using rebate or butt joints incorporating approved fire rated sealant in all joints. Boards are screw-fixed to steel angles at max. 200mm centres.
Corners	Corners fixed to steel angles with self tapping screws at 200mm centres.
Joints	Boards are joined by butt joints incorporating approved fire rated sealant. Cover strips are fixed over the joint.
Cover strips	20 or 30mm Maxilite or 9mm Orbit FR x 100mm wide fixed to outside of joint. Strips are secured to both sides of the joint at max. 200mm centres.
Steel angles	50mm x 50mm x 0.8mm (minimum guage), fixed to masonry, concrete or plasterboard at max. 600mm centres and screw-fixed to boards.
Fixings	<ul style="list-style-type: none"> - Board to board / steel angle: minimum M4 - 90mm self tapping screws at 200mm centres. Allow 10 to 15mm from edges of Maxilite board. - Steel angle to masonry or concrete: minimum M6 anchor bolts at 400mm centres. - Steel angle to plasterboard: minimum M4 - 90mm self tapping screws at 400mm centres.

Note: Laminated boards of equivalent thickness can be used. I.e. 2x20mm

BULKHEAD — HORIZONTAL

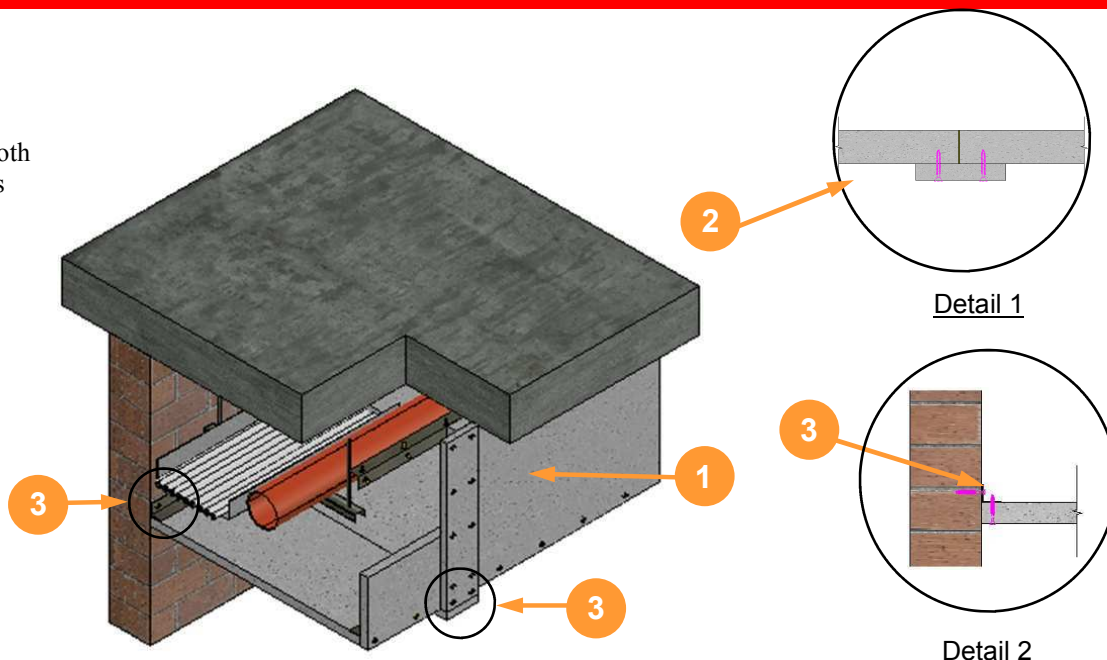
Horizontal two-sided bulkheads

40mm thick Maxilite boards, up to 1500mm x 1500mm



Self-supporting system

FRL
-/120/120
Fire from both
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Key:

- 1 Maxilite boards, 40mm thick (or equivalent laminated thickness)
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- 4 Butt joint

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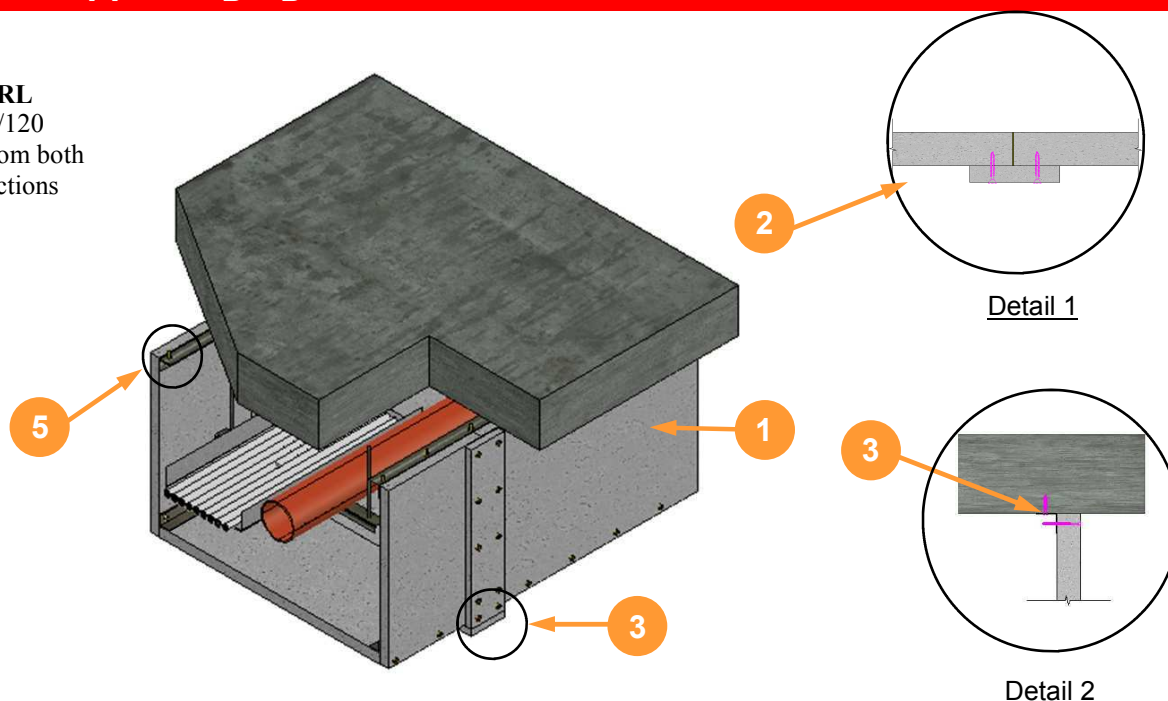
Horizontal three-sided bulkhead

40mm thick Maxilite boards, up to 1500mm x 1500mm



Self-supporting system

FRL
-/120/120
Fire from both
directions



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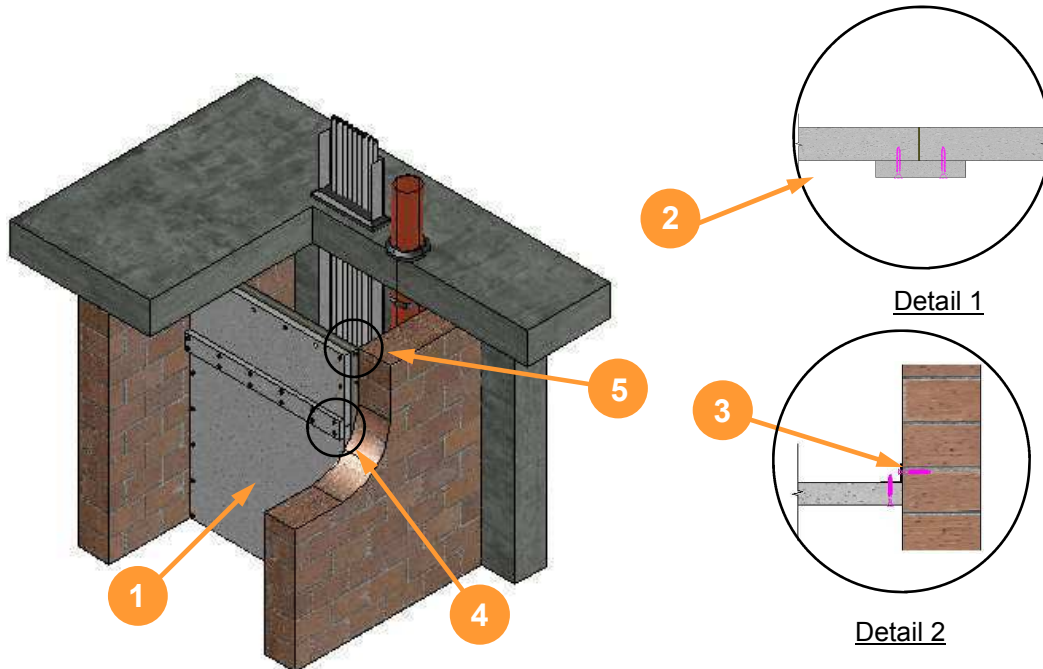
BULKHEAD — HORIZONTAL

Vertical one-sided bulkheads 40mm thick Maxilite boards, up to 1500mm wide



Self-supporting system

FRL
-/120/120
Fire from both
directions



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BULKHEAD — VERTICAL

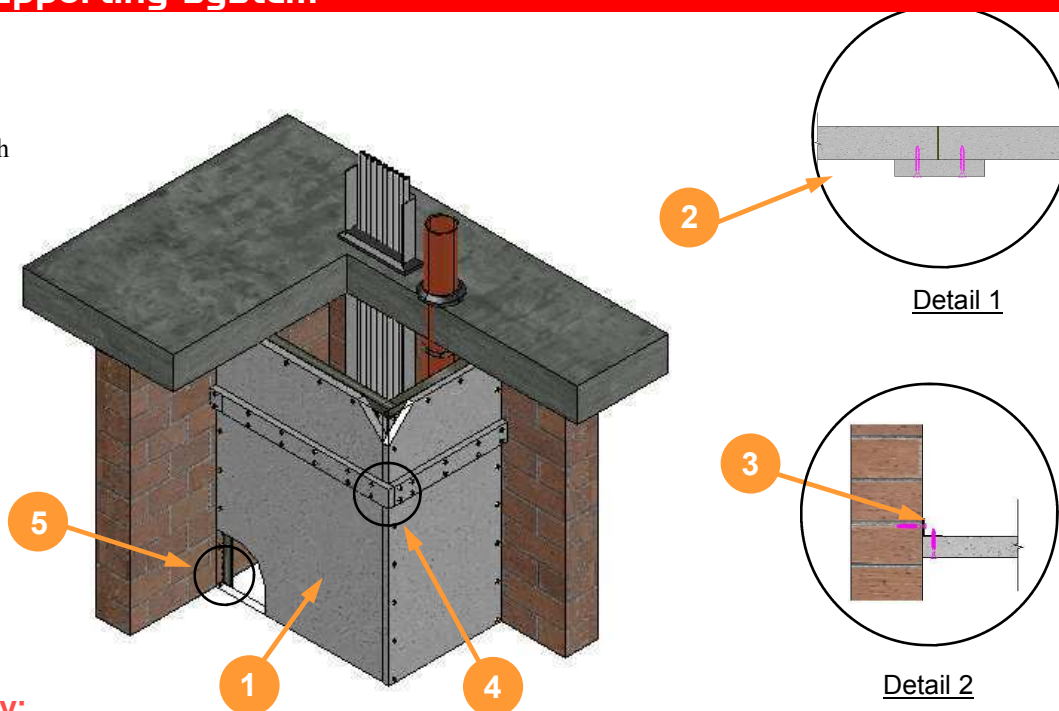
Vertical two-sided bulkheads

40mm thick Maxilite boards, up to 1500mm x 1500mm



Self-supporting system

FRL
-/120/120
Fire from both
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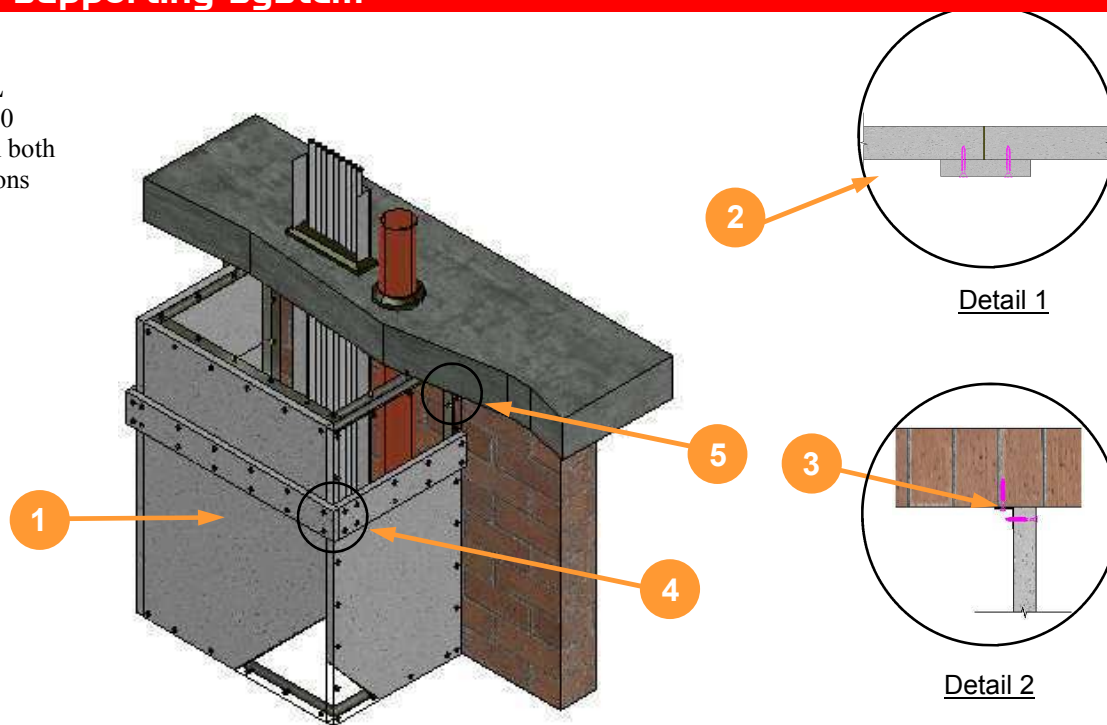
Vertical three-sided bulkheads

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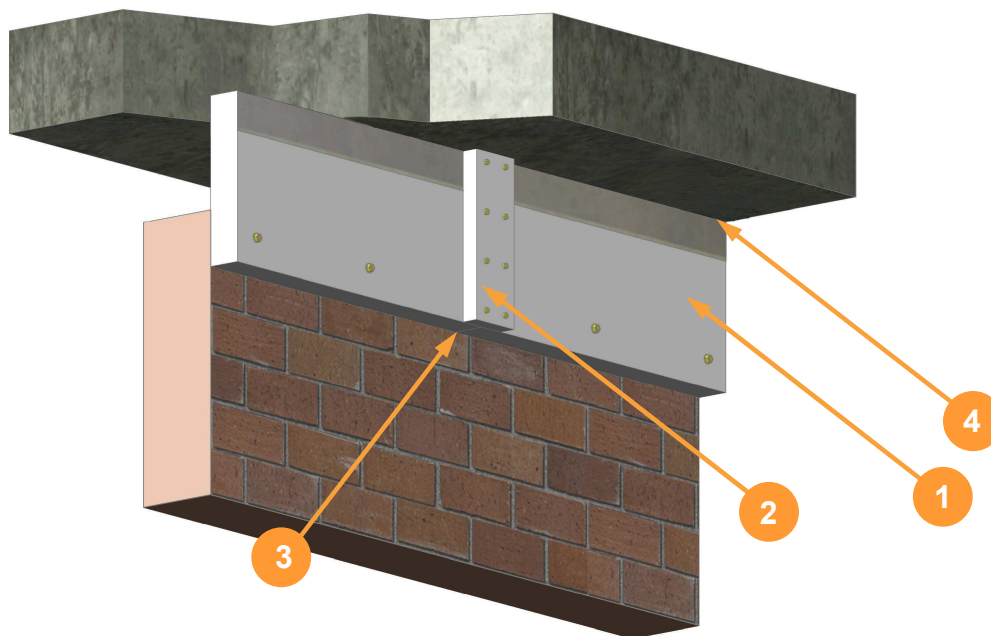
Head of Wall upgrade

40mm thick Maxilite boards, up to 1500mm high



Self-supporting system

FRL
-/120/120
Fire from both directions



Key:

- 1 Maxilite boards, 40mm thick (or equivalent laminated thickness)
- 2 Cover Strips
- 3 Butt joint detail options
- 4 Control joint

Maxilite board	40mm thick Maxilite board for 2 hour fire rating. Maxilite boards are fixed directly to the wall but not fixed fixed to the slab above. Ensure a minimum of 10mm nominal gap is maintained between the slab and the Maxilite board to allow for building movement. Boards are joined together using butt joints details shown above (as applicable) incorporating approved fire mastic in all joints.
Joints (longitudinal)	Longitudinal joints between Maxilite boards consist of butt joint detail incorporating approved fire mastic. Cover strips are then fixed over the joint as shown above.
Cover strips	20 or 30mm Maxilite or 9mm Orbit FR x 100mm wide fixed to outside of joint. Strips are secured to both sides of the joint at max. 200mm centres.
Fixings	<ul style="list-style-type: none"> - Board to board / steel angle: minimum M4-90mm self tapping screws at 200mm centres. Allow 10 to 15mm from edges of Maxilite board. - Steel angle to masonry or concrete: minimum M6 anchor bolts at 400mm centres. - Steel angle to plasterboard: minimum M4-90mm self tapping screws at 400mm centres.

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BULKHEAD—HEAD OF WALL