



# Hadley Drylining Standard Details

HadleySOLO – Double Layer  
2022 Version 1

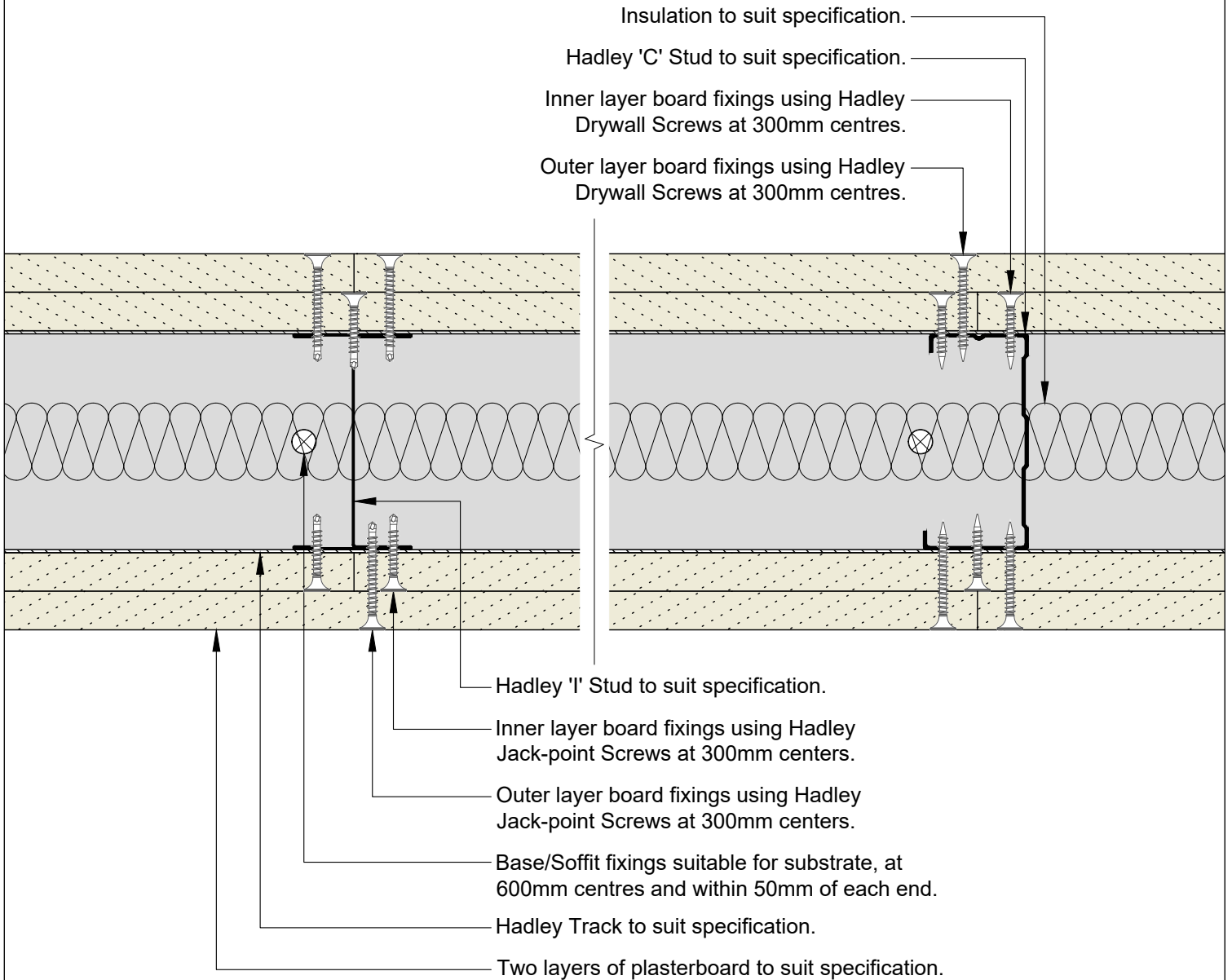
## **HADLEY DRYLINING SALES**

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## **HADLEY TECHNICAL SUPPORT**

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✉ [drylining.technical@hadleygroup.com](mailto:drylining.technical@hadleygroup.com)

| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
| 00   | JUL21 | First Issue       | FM   | JS   | JS   | System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions. |
| Rev: | Date: | Reason for Issue: | Drn: | Chk: | App: |   |

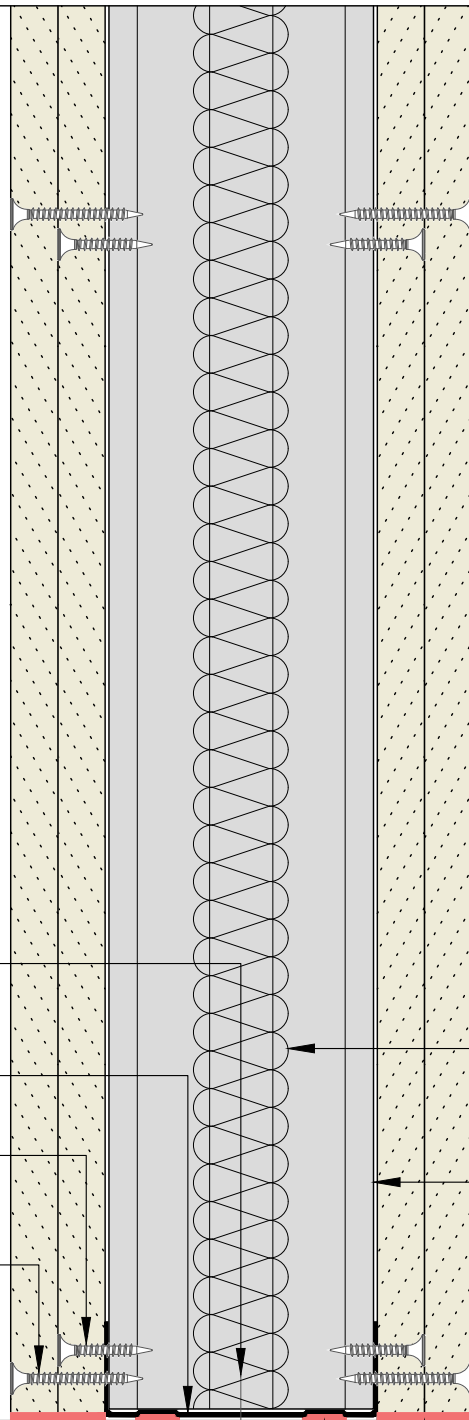


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|   |                 |              |                |                                     |                        |  |
|---|-----------------|--------------|----------------|-------------------------------------|------------------------|--|
| Project:<br>Typical System Detail<br>See project specification for exact requirements |                 |              |                |                                     |                        |  |
| Title:<br><b>Hadley Solo</b><br>Partition - Double Layer<br>Plan                      |                 |              |                |                                     |                        |  |
| Scale:<br>1:2 @ A4  | Date:<br>Jul 21 | Drawn:<br>FM | Checked:<br>JS | Dwg No:<br><b>HD-SOLO-DOUBLE-01</b> | Revision:<br><b>00</b> |  |

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| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



Base fixings suitable for substrate, at 600mm centres and within 50mm of each end.

Hadley Track to suit specification.

Inner layer board fixings using Hadley Drywall Screws at 300mm centres.

Outer layer board fixings using Hadley Drywall Screws at 300mm centres.

Insulation to suit specification.

Two layers of plasterboard to suit specification.

Hadley 'C' or 'I' Stud to suit specification.

Acoustic and intumescent sealant to suit specification.

|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
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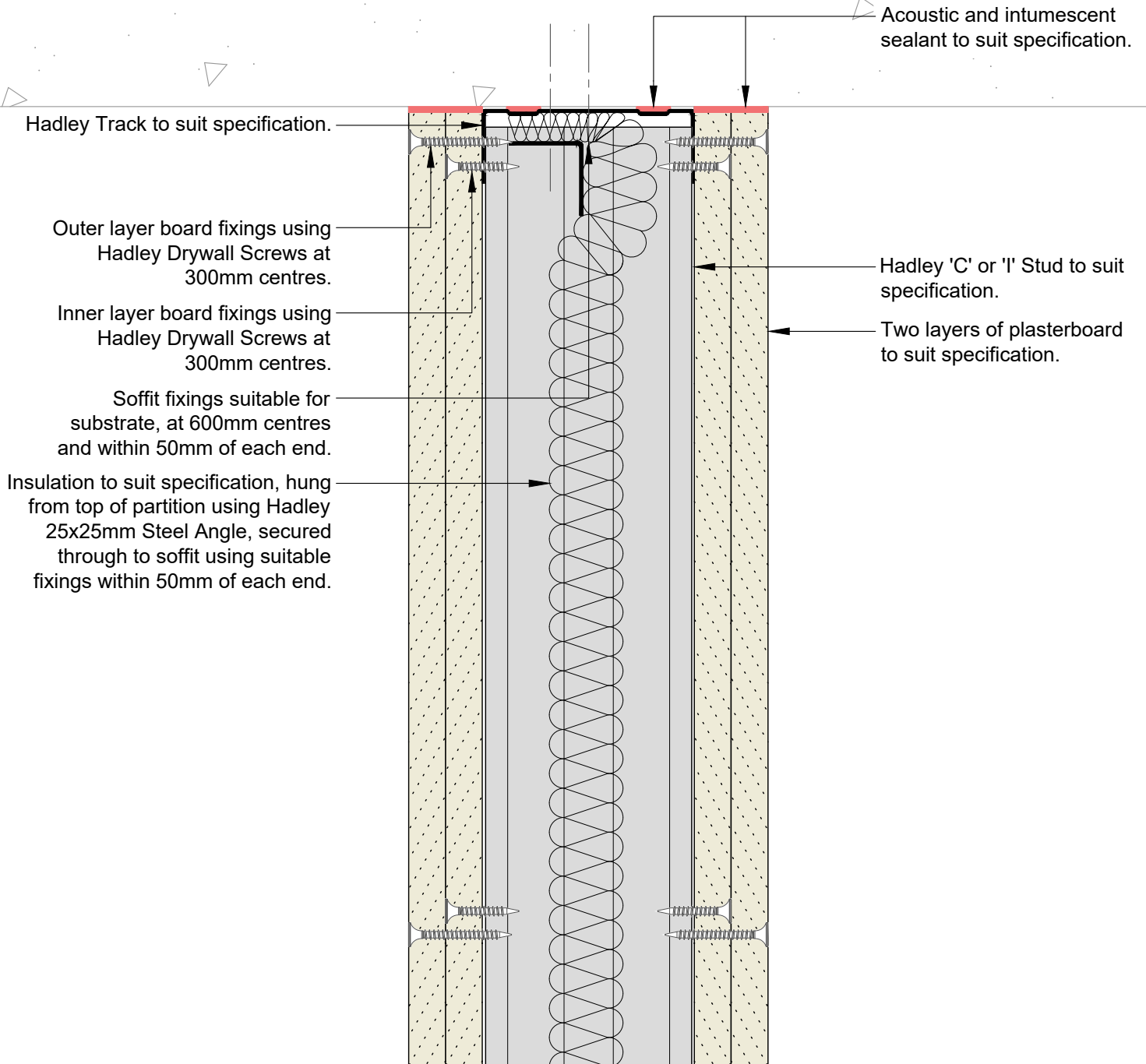
Project:  
Typical System Detail  
See project specification for exact requirements

Title:  
**Hadley Solo**  
Partition - Double Layer  
Base

|                    |                 |              |                |                                     |                        |
|--------------------|-----------------|--------------|----------------|-------------------------------------|------------------------|
| Scale:<br>1:2 @ A4 | Date:<br>Jul 21 | Drawn:<br>FM | Checked:<br>JS | Dwg No:<br><b>HD-SOLO-DOUBLE-02</b> | Revision:<br><b>00</b> |
|--------------------|-----------------|--------------|----------------|-------------------------------------|------------------------|

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| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



Hadley Track to suit specification.

Outer layer board fixings using Hadley Drywall Screws at 300mm centres.

Inner layer board fixings using Hadley Drywall Screws at 300mm centres.

Soffit fixings suitable for substrate, at 600mm centres and within 50mm of each end.

Insulation to suit specification, hung from top of partition using Hadley 25x25mm Steel Angle, secured through to soffit using suitable fixings within 50mm of each end.

Acoustic and intumescent sealant to suit specification.

Hadley 'C' or 'I' Stud to suit specification.

Two layers of plasterboard to suit specification.

|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
| 00   | JUL21 | First Issue       | FM   | JS   | JS   | System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions. |
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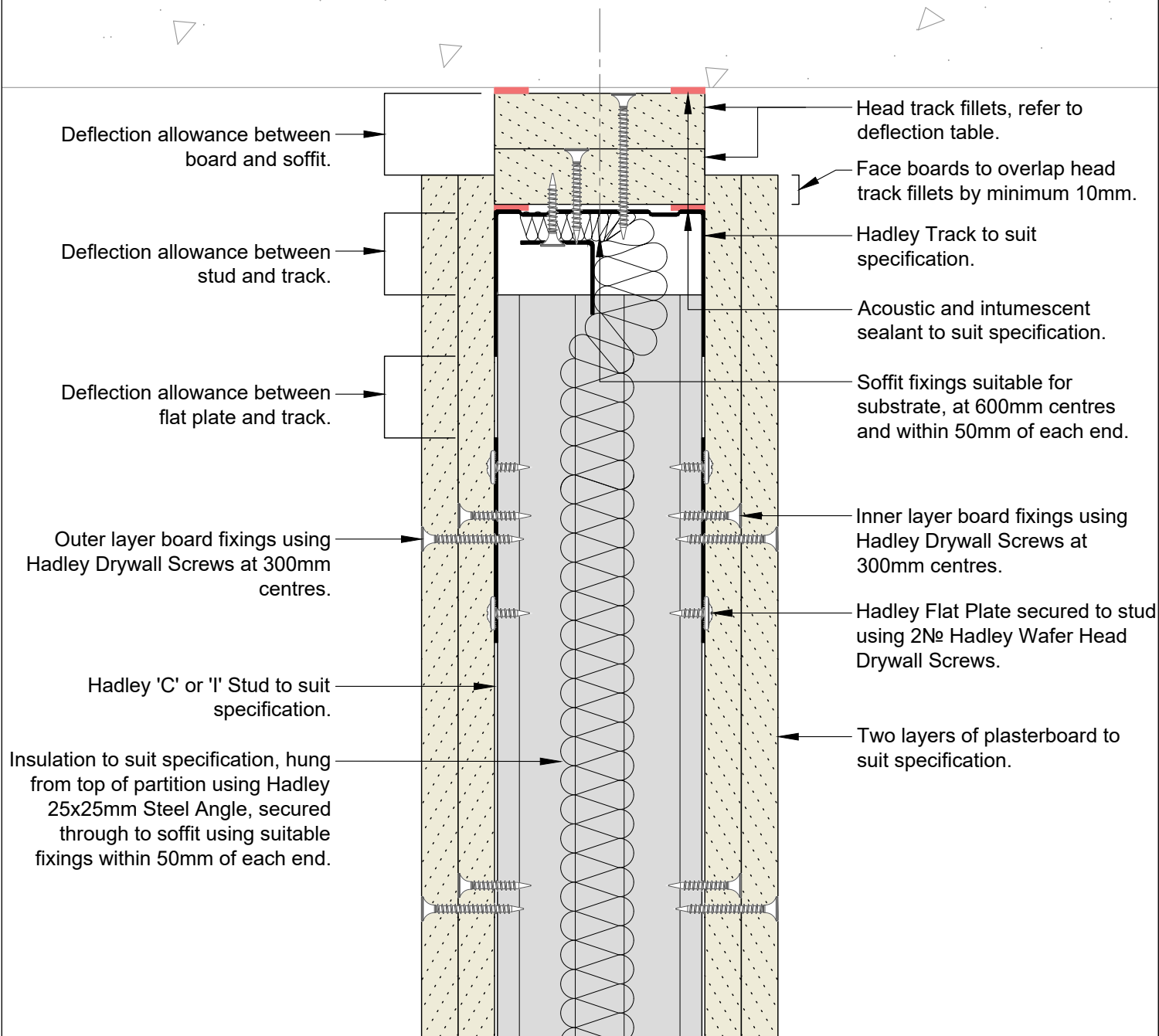
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|   |        |        |          |                          |           |  |
|---|--------|--------|----------|--------------------------|-----------|--|
| Project:  |        |        |          |                          |           |  |
| Typical System Detail<br>See project specification for exact requirements |        |        |          |                          |           |  |
| Title:  |        |        |          |                          |           |  |
| <b>Hadley Solo</b><br>Partition - Double Layer<br>Fixed Head              |        |        |          |                          |           |  |
| Scale:  | Date:  | Drawn: | Checked: | Dwg No:                  | Revision: |  |
| 1:2 @ A4  | Jul 21 | FM     | JS       | <b>HD-SOLO-DOUBLE-03</b> | <b>00</b> |  |

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| Min. Deflection to suit structural engineer design | Min. Head Track Fillet(s)    | Hadley Track Flange |
|--|------------------------------|---------------------|
| 5mm  | 1x15mm Type F Plasterboard   | 50mm                |
| 9mm  | 1x19mm CoreBoard             | 50mm                |
| 15mm   | 2x12.5mm Type F Plasterboard | 50mm                |
| 20mm   | 2x15mm Type F Plasterboard   | 50mm                |
| 28mm   | 2x19mm CoreBoard             | 50mm                |
| 35mm   | 3x15mm Type F Plasterboard   | 70mm                |

| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



00 JUL21 First Issue FM JS JS System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions.



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Project: Typical System Detail  
See project specification for exact requirements

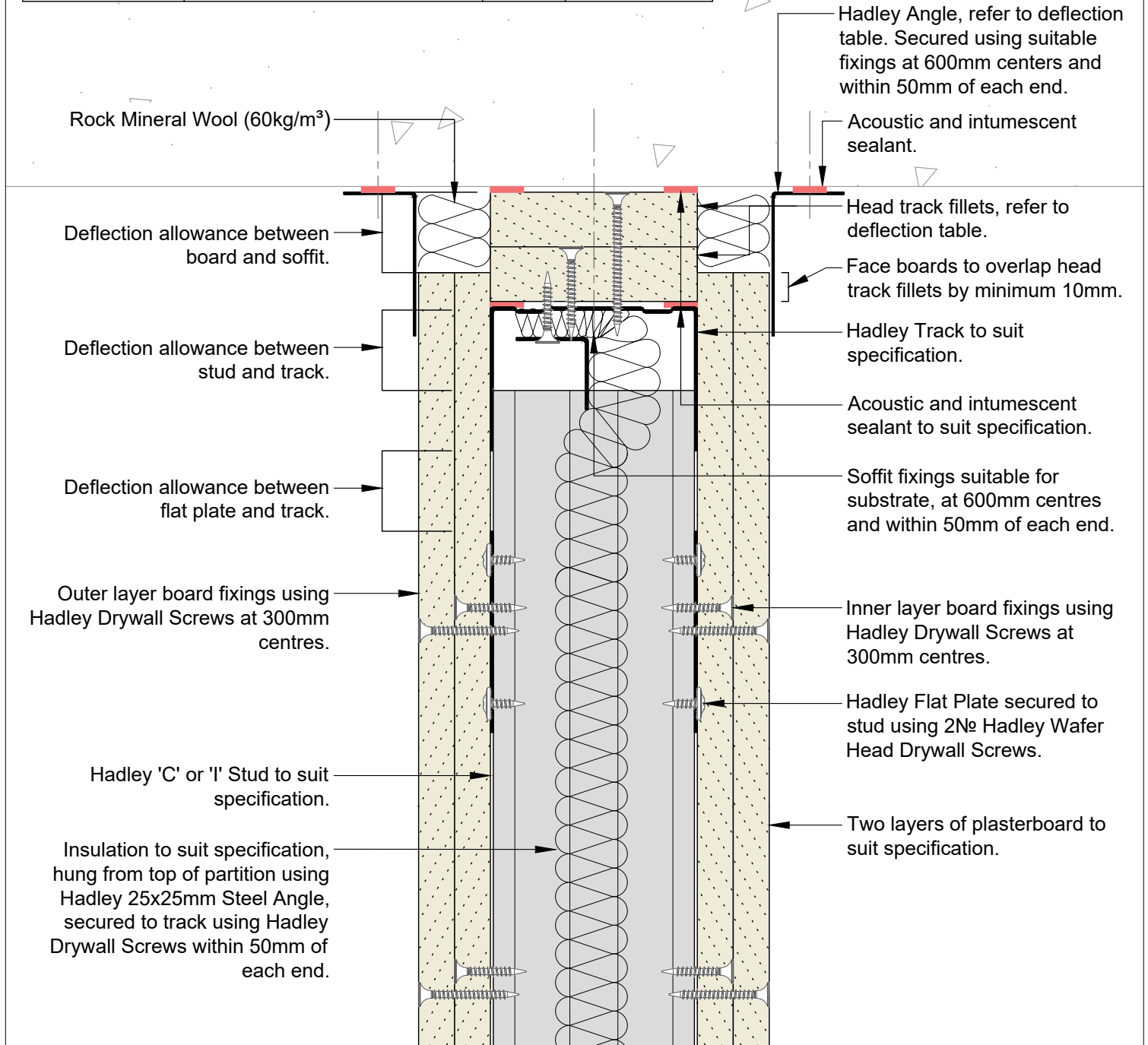
Title: **Hadley Solo**  
Partition - Double Layer  
Deflection Head up to 60 min EI Fire Resistance

Scale: 1:2 @ A4 Date: Jul 21 Drawn: FM Checked: JS Dwg No: **HD-SOLO-DOUBLE-04** Revision: 00

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| Min. Deflection to suit structural engineer design | Min. Head Track Fillet(s)    | Hadley Track Flange | Min. Hadley Angle |
|--|------------------------------|---------------------|-------------------|
| 5mm  | 1x15mm Type F Plasterboard   | 50mm                | 19x19mm           |
| 9mm  | 1x19mm CoreBoard             | 50mm                | 19x19mm           |
| 15mm   | 2x12.5mm Type F Plasterboard | 50mm                | 25x25mm           |
| 20mm   | 2x15mm Type F Plasterboard   | 50mm                | 25x50mm           |
| 28mm   | 2x19mm CoreBoard             | 50mm                | 25x50mm           |
| 35mm   | 3x15mm Type F Plasterboard   | 70mm                | 25x50mm           |

| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



00 JUL21 First Issue FM JS JS System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions.



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Project: Typical System Detail  
See project specification for exact requirements

Title: **Hadley Solo**  
Partition - Double Layer  
Deflection Head up to 120 min EI Fire Resistance

|                 |              |           |             |                           |              |
|-----------------|--------------|-----------|-------------|---------------------------|--------------|
| Scale: 1:2 @ A4 | Date: Jul 21 | Drawn: FM | Checked: JS | Dwg No: HD-SOLO-DOUBLE-05 | Revision: 00 |
|-----------------|--------------|-----------|-------------|---------------------------|--------------|

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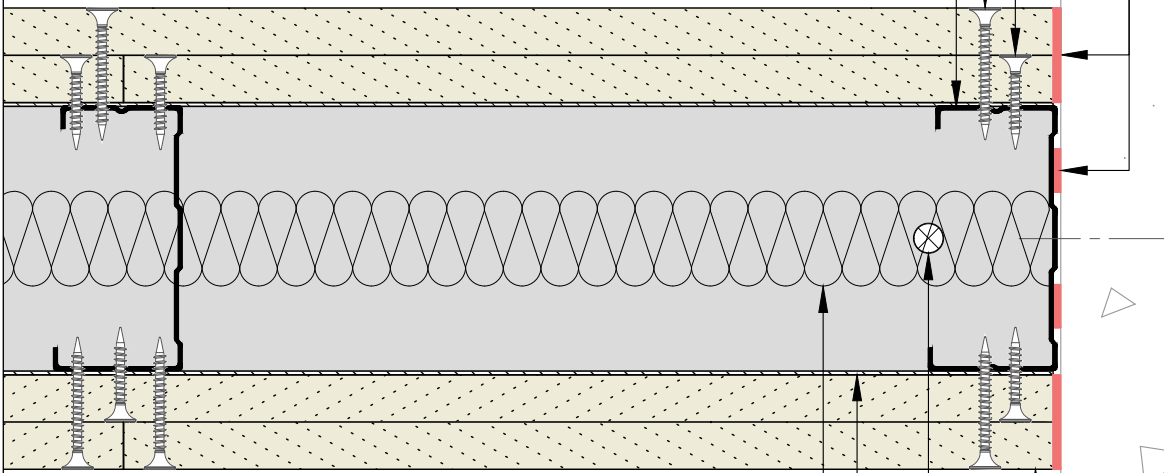
| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |

Acoustic and intumescent sealant to suit specification.

Inner layer board fixings using Hadley Drywall Screws at 300mm centres.

Outer layer board fixings using Hadley Drywall Screws at 300mm centres.

Hadley 'C' Stud to suit specification.



Insulation to suit specification.

Hadley Track to suit specification.

Base/Soffit fixings suitable for substrate, at 600mm centres and within 50mm of each end.

Two layers of plasterboard to suit specification.

Abutment fixings suitable for substrate, at 600mm centres and within 50mm of each end.

|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
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| Rev: | Date: | Reason for Issue: | Drn: | Chk: | App: |   |



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Project:

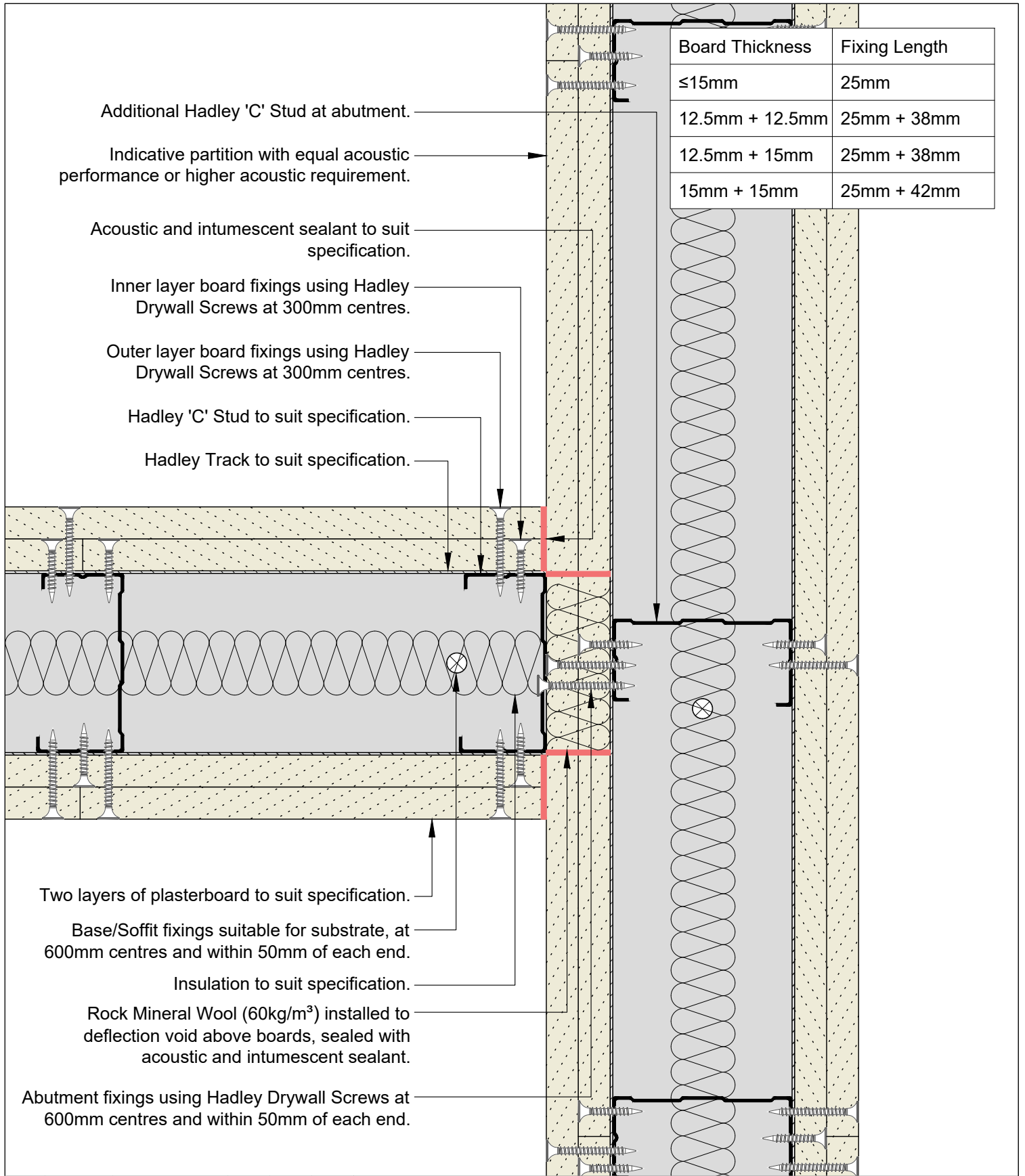
Typical System Detail  
See project specification for exact requirements

Title:

**Hadley Solo**  
Partition - Double Layer  
Abutment to Concrete/Blockwork

|          |        |        |          |                          |           |
|----------|--------|--------|----------|--------------------------|-----------|
| Scale:   | Date:  | Drawn: | Checked: | Dwg No:                  | Revision: |
| 1:2 @ A4 | Jul 21 | FM     | JS       | <b>HD-SOLO-DOUBLE-06</b> | <b>00</b> |

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Additional Hadley 'C' Stud at abutment.

Indicative partition with equal acoustic performance or higher acoustic requirement.

Acoustic and intumescent sealant to suit specification.

Inner layer board fixings using Hadley Drywall Screws at 300mm centres.

Outer layer board fixings using Hadley Drywall Screws at 300mm centres.

Hadley 'C' Stud to suit specification.

Hadley Track to suit specification.

Two layers of plasterboard to suit specification.

Base/Soffit fixings suitable for substrate, at 600mm centres and within 50mm of each end.

Insulation to suit specification.

Rock Mineral Wool (60kg/m<sup>3</sup>) installed to deflection void above boards, sealed with acoustic and intumescent sealant.

Abutment fixings using Hadley Drywall Screws at 600mm centres and within 50mm of each end.

00 JUL21 First Issue FM JS JS System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions.



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Project: Typical System Detail  
See project specification for exact requirements

Title: **Hadley Solo**  
Partition - Double Layer  
Abutment to Drylining Partition

|                 |              |           |             |                           |              |
|-----------------|--------------|-----------|-------------|---------------------------|--------------|
| Scale: 1:2 @ A4 | Date: Jul 21 | Drawn: FM | Checked: JS | Dwg No: HD-SOLO-DOUBLE-07 | Revision: 00 |
|-----------------|--------------|-----------|-------------|---------------------------|--------------|

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| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |

Indicative partition with lower acoustic performance.

Abutment fixings using Hadley Drywall Screws at 600mm centres and within 50mm of each end.

Hadley 'C' Stud to suit specification.

Board fixings using Hadley Drywall Screws at 300mm centres.

Rock Mineral Wool (60kg/m<sup>3</sup>) installed to deflection void above boards, sealed with acoustic and intumescent sealant.

Insulation to suit specification.

Hadley Track to suit specification.

Two layers of plasterboard to suit specification.

Acoustic and intumescent sealant to suit specification.

Base/Soffit fixings suitable for substrate, at 600mm centres and within 50mm of each end.

|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
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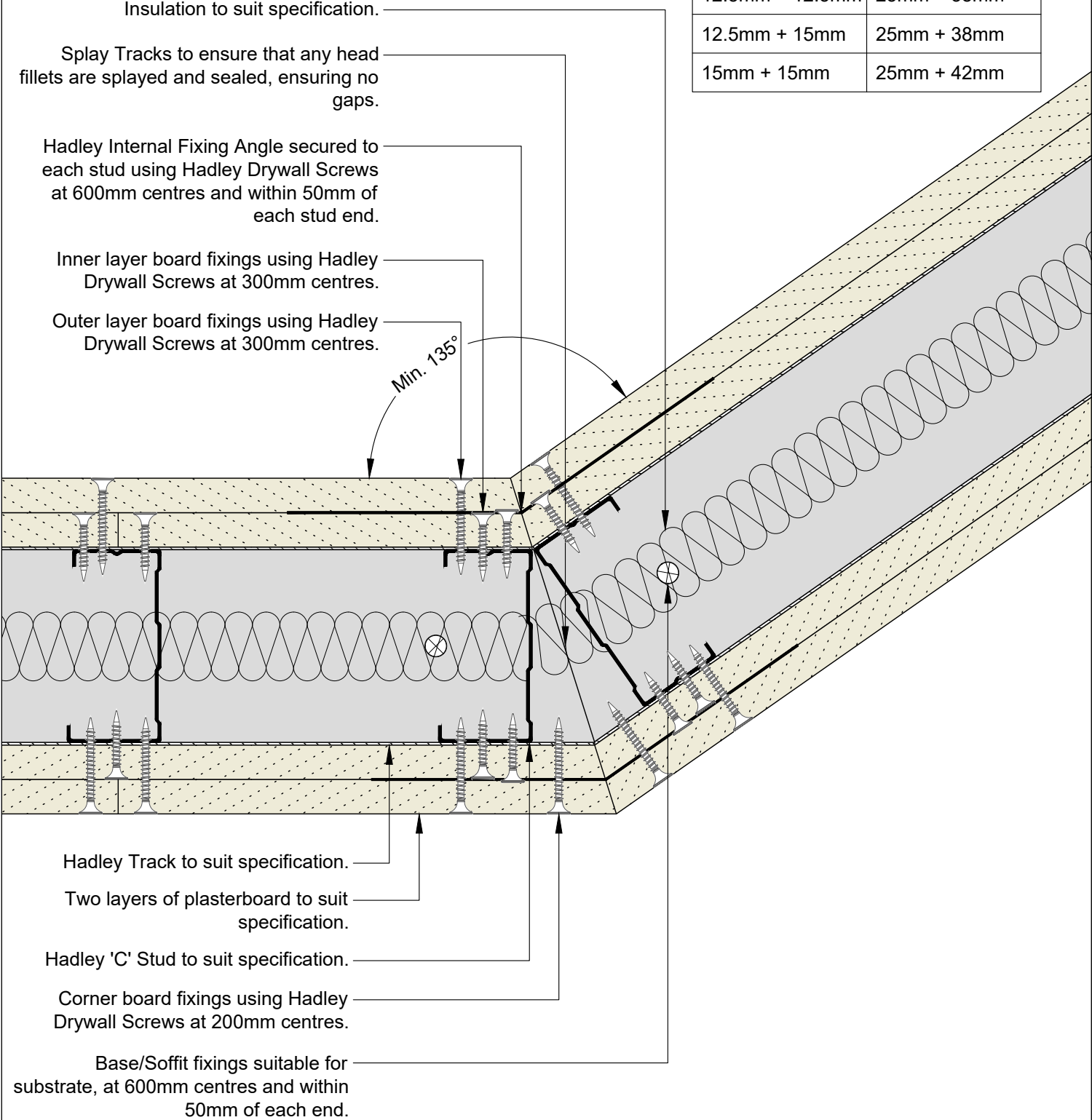


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|   |        |        |          |                          |           |  |
|---|--------|--------|----------|--------------------------|-----------|--|
| Project:<br>Typical System Detail<br>See project specification for exact requirements               |        |        |          |                          |           |  |
| Title:<br><b>Hadley Solo</b><br>Partition - Double Layer<br>Abutment to Drylining - Flanking detail |        |        |          |                          |           |  |
| Scale:  | Date:  | Drawn: | Checked: | Dwg No:                  | Revision: |  |
| 1:2 @ A4  | Jul 21 | FM     | JS       | <b>HD-SOLO-DOUBLE-08</b> | <b>00</b> |  |

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| Board Thickness | Fixing Length |
|-----------------|---------------|
| ≤15mm           | 25mm          |
| 12.5mm + 12.5mm | 25mm + 38mm   |
| 12.5mm + 15mm   | 25mm + 38mm   |
| 15mm + 15mm     | 25mm + 42mm   |



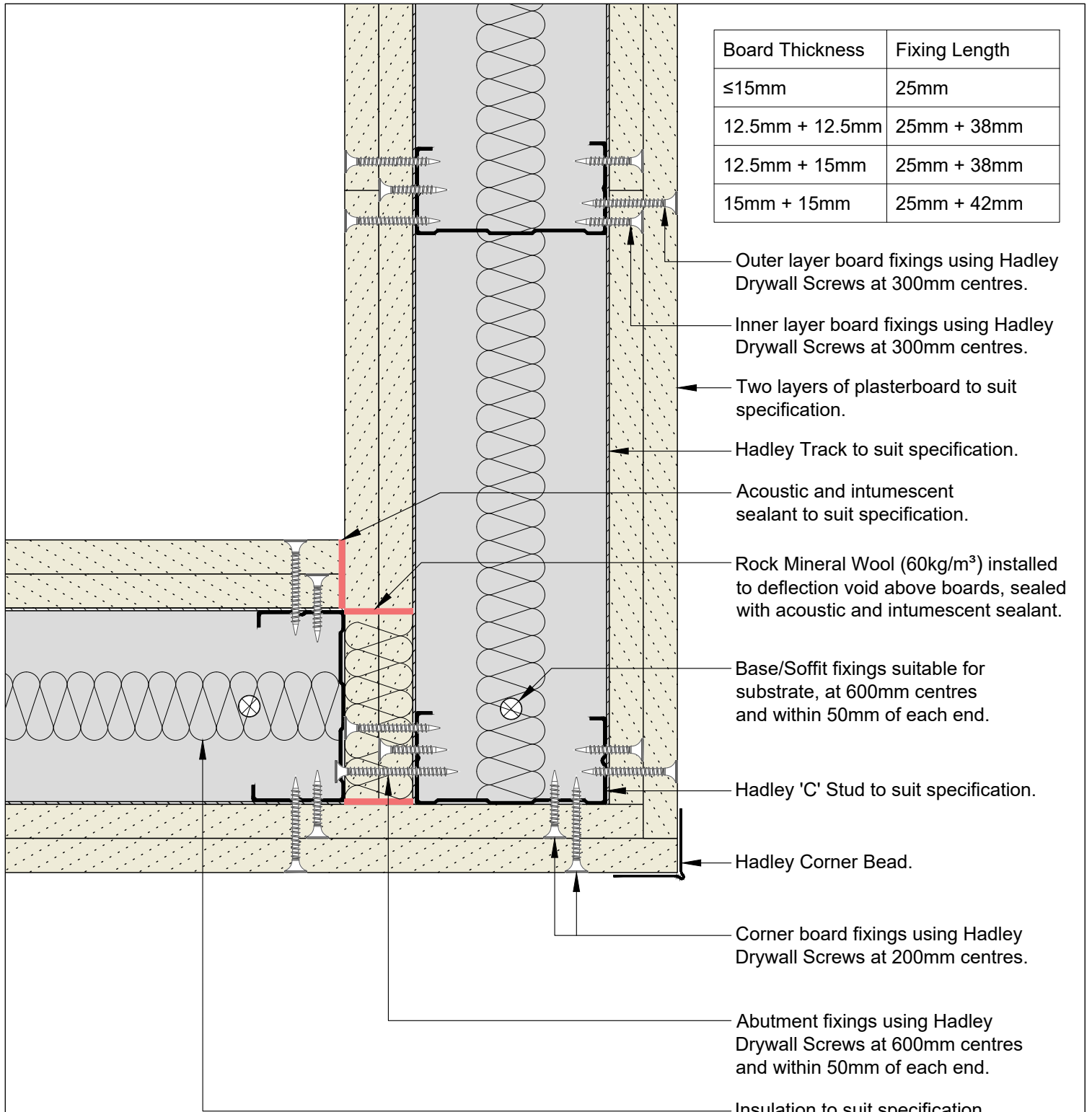
|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
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|   |                 |              |                |                                     |                        |  |
|---|-----------------|--------------|----------------|-------------------------------------|------------------------|--|
| Project:<br>Typical System Detail<br>See project specification for exact requirements |                 |              |                |                                     |                        |  |
| Title:<br><b>Hadley Solo</b><br>Partition - Double Layer<br>Splayed Corner            |                 |              |                |                                     |                        |  |
| Scale:<br>1:2 @ A4  | Date:<br>Jul 21 | Drawn:<br>FM | Checked:<br>JS | Dwg No:<br><b>HD-SOLO-DOUBLE-09</b> | Revision:<br><b>00</b> |  |

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|------|-------|-------------------|------|------|------|---|
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|   |        |        |          |                          |           |  |
|---|--------|--------|----------|--------------------------|-----------|--|
| Project:<br>Typical System Detail<br>See project specification for exact requirements |        |        |          |                          |           |  |
| Title:<br><b>Hadley Solo</b><br>Partition - Double Layer<br>90° Corner                |        |        |          |                          |           |  |
| Scale:  | Date:  | Drawn: | Checked: | Dwg No:                  | Revision: |  |
| 1:2 @ A4  | Jul 21 | FM     | JS       | <b>HD-SOLO-DOUBLE-10</b> | <b>00</b> |  |

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Stud and track depths and gauge to suit specification.  
Fixing type to suit metalwork gauge.

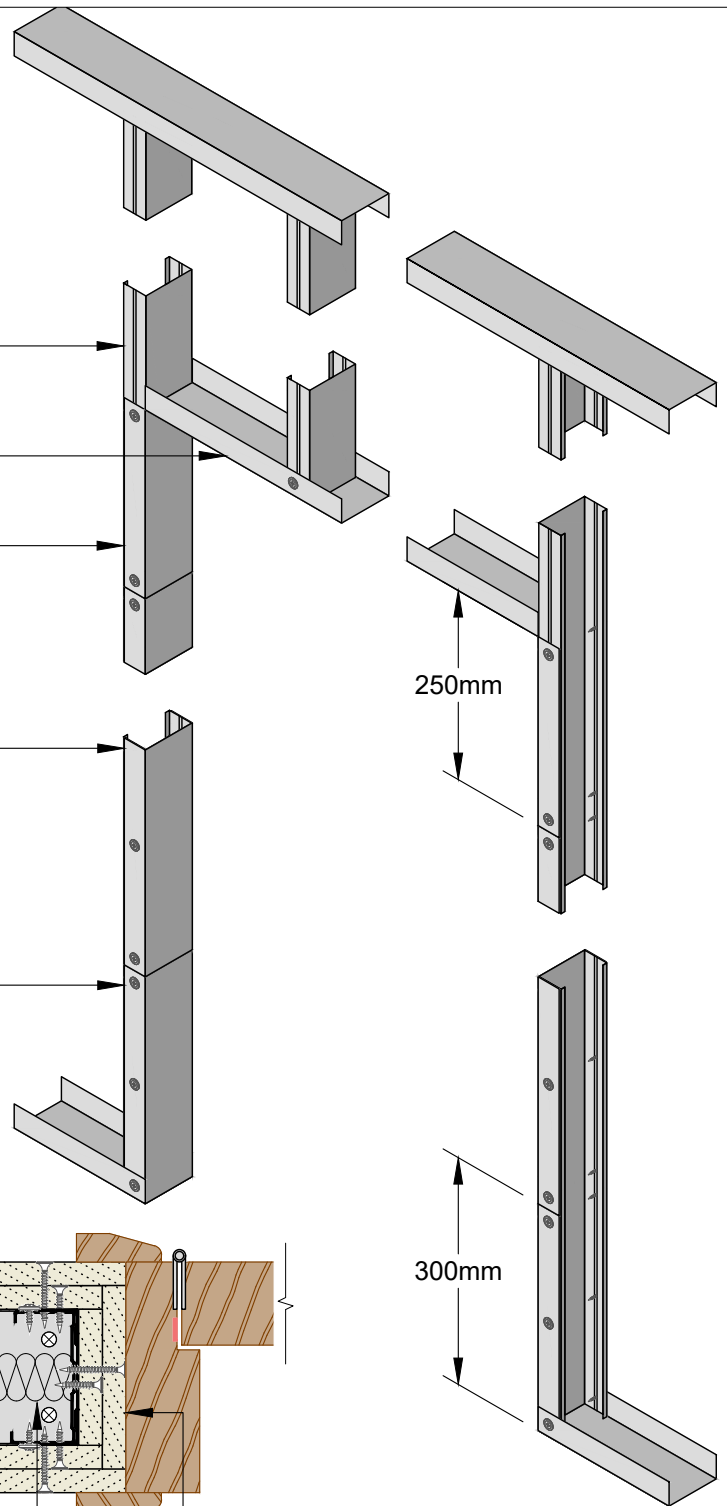
Avoid outer board joint located on the door jamb.

Hadley Track to suit specification.  
Lintel detail to suit opening width.

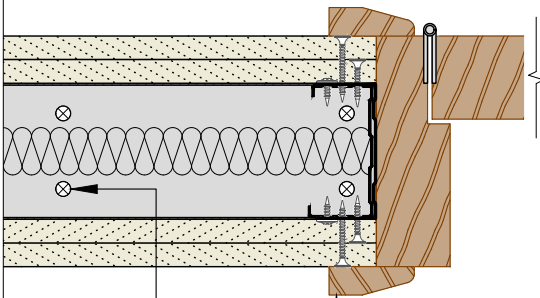
Hadley Track cut and bent to extend  
250mm down stud, fixed through  
both flanges using 2№ Hadley Wafer  
Head Drywall Screws each side.

Hadley Track sleeved over stud  
between returned channels at opening  
head & base, fixed through both flanges  
using Hadley Wafer Head Drywall  
Screws at 300mm centres and within  
50mm of each end for each side.

Hadley Track cut and bent to extend  
vertically 300mm, fixed through both  
flanges using 3№ Hadley Wafer Head  
Drywall Screws each side.

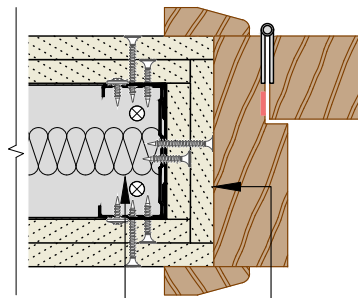


**Plan View**



Indicative door frame and  
architraves by others.

Base track fixed with pairs of  
suitable fixings 150mm apart.



For fire rated openings, apply plasterboard as  
per face board specification to the reveals.

Timber fillets, omitted for clarity, within door  
jamb to suit door manufacturers application  
requirements and tested solution.

00 JUL21 First Issue FM JS JS System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions.

Rev: Date: Reason for Issue: Drn: Chk: App: Project:



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Typical System Detail  
See project specification for exact requirements

Title:  
**Hadley Solo**  
Partition - Double Layer  
Doorway 0-60 kg

|        |                 |              |                |                                     |                        |
|--------|-----------------|--------------|----------------|-------------------------------------|------------------------|
| Scale: | Date:<br>Jul 21 | Drawn:<br>FM | Checked:<br>JS | Dwg No:<br><b>HD-SOLO-DOUBLE-11</b> | Revision:<br><b>00</b> |
|--------|-----------------|--------------|----------------|-------------------------------------|------------------------|

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Stud and track depths and gauge to suit specification.  
Fixing type to suit metalwork gauge.

Additional Hadley Stud located up to 150mm from jamb stud.

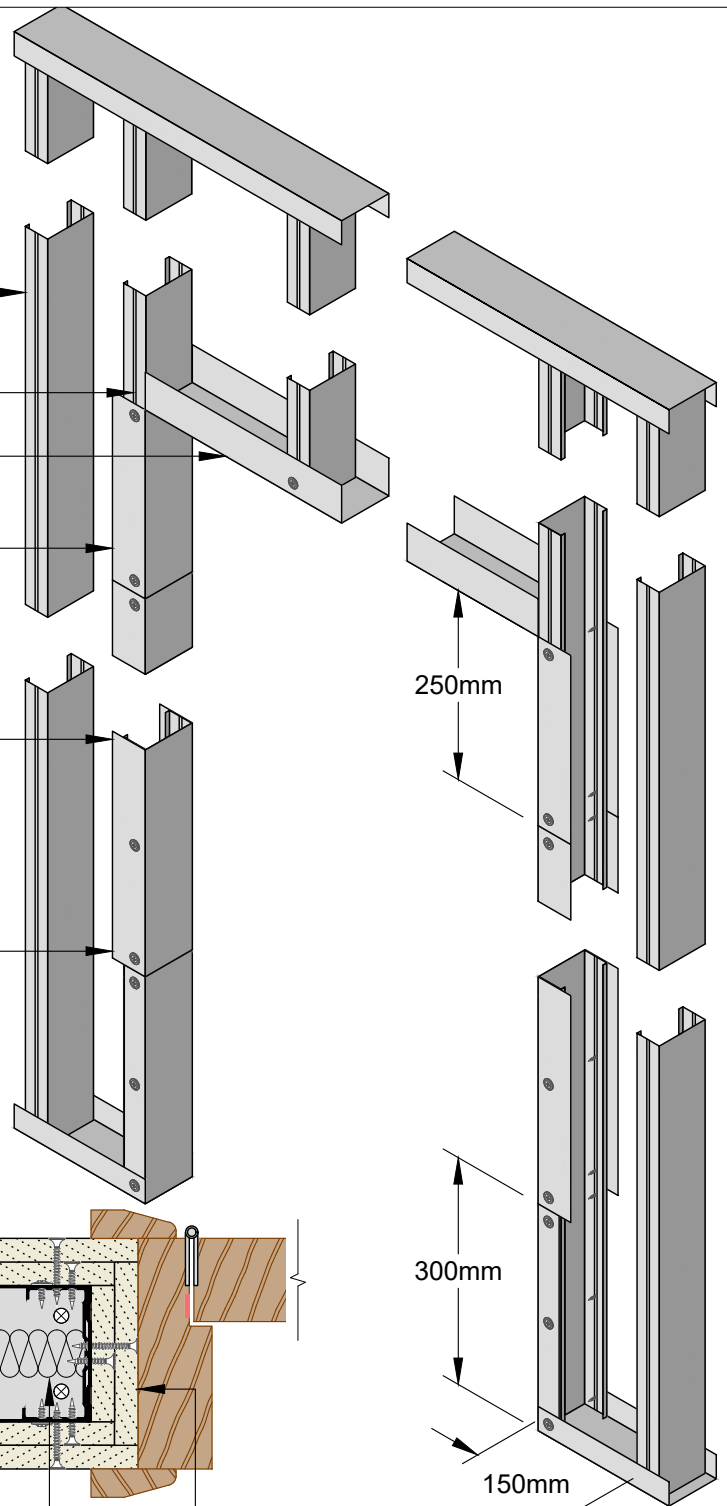
Avoid outer board joint located on the door jamb.

Hadley Track to suit specification.  
Lintel detail to suit opening width.

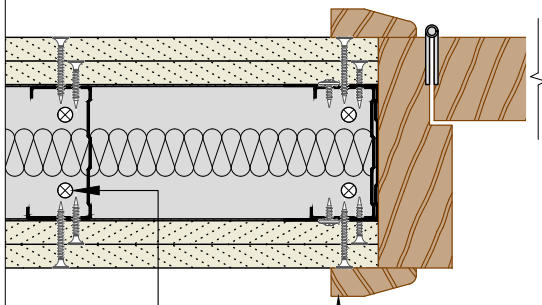
Hadley Track cut and bent to extend 250mm down stud, fixed through both flanges using 2N<sup>o</sup> Hadley Wafer Head Drywall Screws each side.

Hadley Track sleeved over stud between returned channels at opening head & base, fixed through both flanges using Hadley Wafer Head Drywall Screws at 300mm centres and within 50mm of each end each side.

Hadley Track cut and bent to extend vertically 300mm, fixed through both flanges using 3N<sup>o</sup> Hadley Wafer Head Drywall Screws each side.

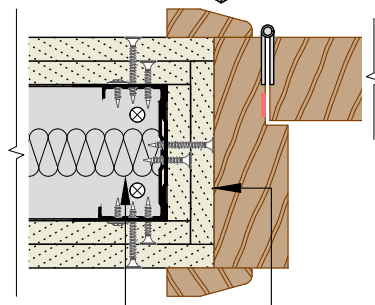


**Plan View**



Indicative door frame and architraves by others.

Base track fixed with pairs of suitable fixings 150mm apart.



For fire rated openings, apply plasterboard as per face board specification to the reveals.

Timber fillets, omitted for clarity, within door jamb to suit door manufacturers application requirements and tested solution.

|      |       |                   |      |      |      |   |
|------|-------|-------------------|------|------|------|---|
| 00   | JUL21 | First Issue       | FM   | JS   | JS   | System details to be read in conjunction with Hadley Group project specification pack. All applications to be built in accordance with British Standards, Building Regulations and Hadley Group tested solutions. |
| Rev: | Date: | Reason for Issue: | Drn: | Chk: | App: |   |



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Project:  
**Typical System Detail**  
See project specification for exact requirements

Title:  
**Hadley Solo**  
Partition - Double Layer  
Doorway 61-100 kg

|        |        |        |          |                          |           |
|--------|--------|--------|----------|--------------------------|-----------|
| Scale: | Date:  | Drawn: | Checked: | Dwg No:                  | Revision: |
|        | Jul 21 | FM     | JS       | <b>HD-SOLO-DOUBLE-12</b> | <b>00</b> |

All performance data and system specifications are for systems constructed with materials & components as shown. The inclusion or substitution of any other manufacturers materials or components could invalidate test data and system performance. The information is provided in good faith and is based upon details received which are assumed to include all relevant facts. No duty of care is owed to the recipient or any other third party and Hadley Industries PLC cannot accept liability in respect of the details shown. None of the content may be distributed or copied directly without prior approval.



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