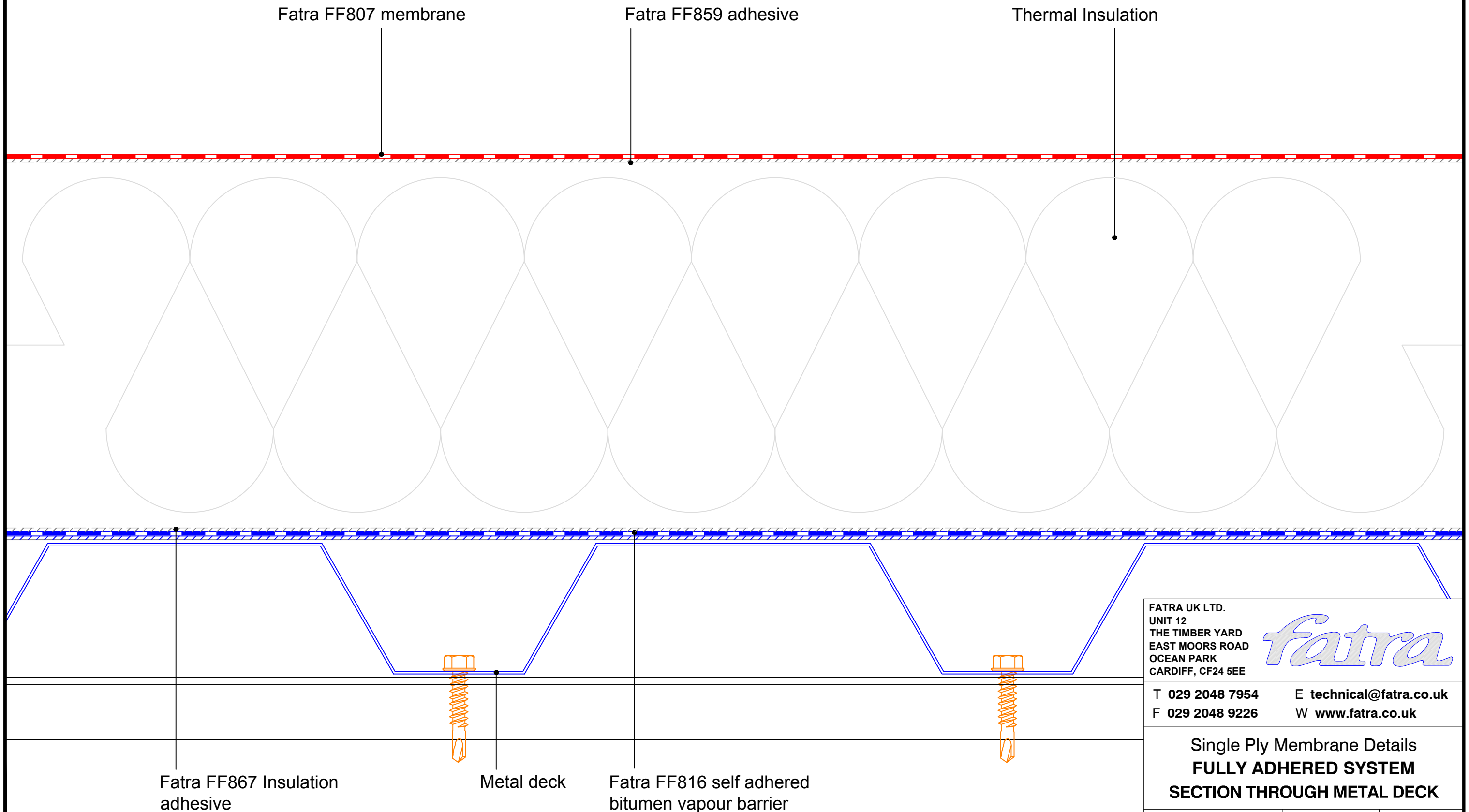


# Single Ply Membrane Details

Fully adhered system

## Section through metal deck



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SECTION THROUGH METAL DECK**

DATE:  
**JANUARY 2018**

SCALE:  
**1:1 @ A3**

DRAWN:  
**LB**

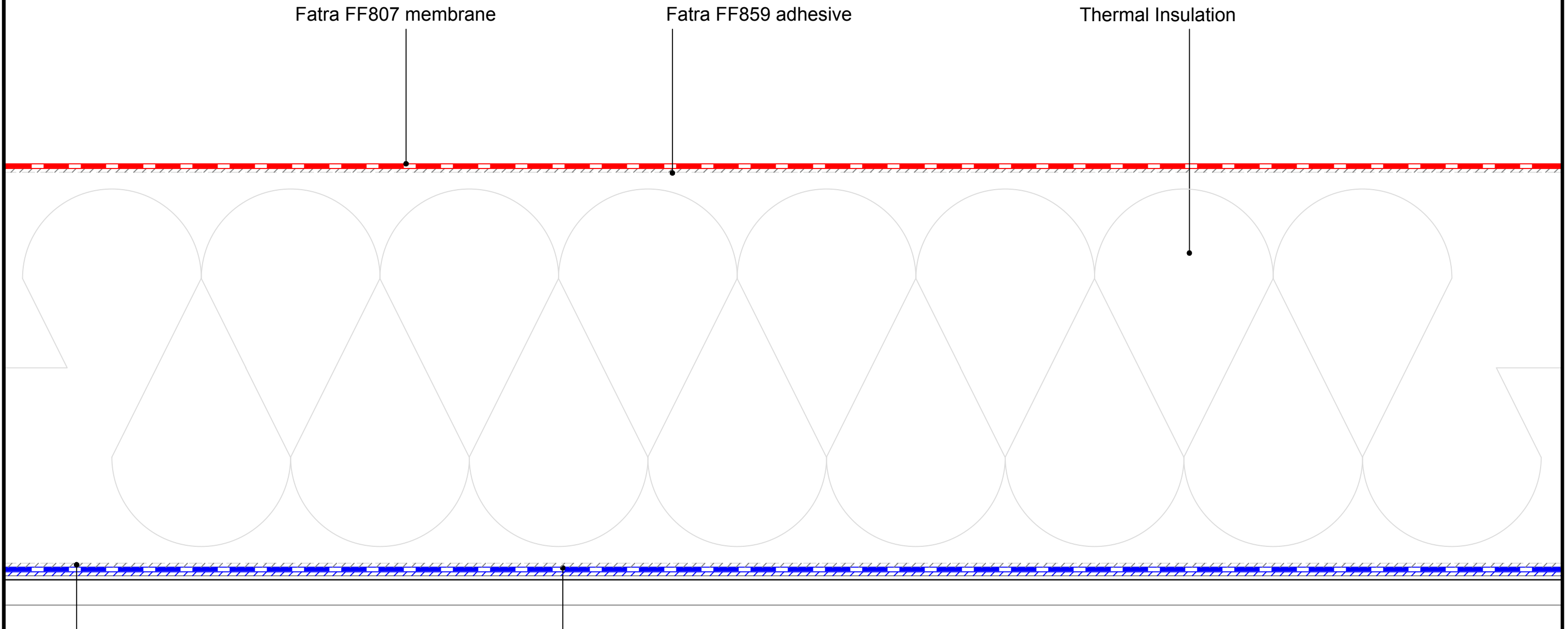
DRAWING NO:  
**FATRA FA-01**

REVISION:  
**-**

# Single Ply Membrane Details

Fully adhered system

## Section through plywood deck - A



Fatra FF807 membrane

Fatra FF859 adhesive

Thermal Insulation

Fatra FF867 Insulation adhesive

Plywood deck

Fatra FF816 self adhered bitumen vapour barrier

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SECTION THROUGH PLYWOOD DECK A**

DATE:  
**JANUARY 2018**

SCALE:  
**1:1 @ A3**

DRAWN:  
**LB**

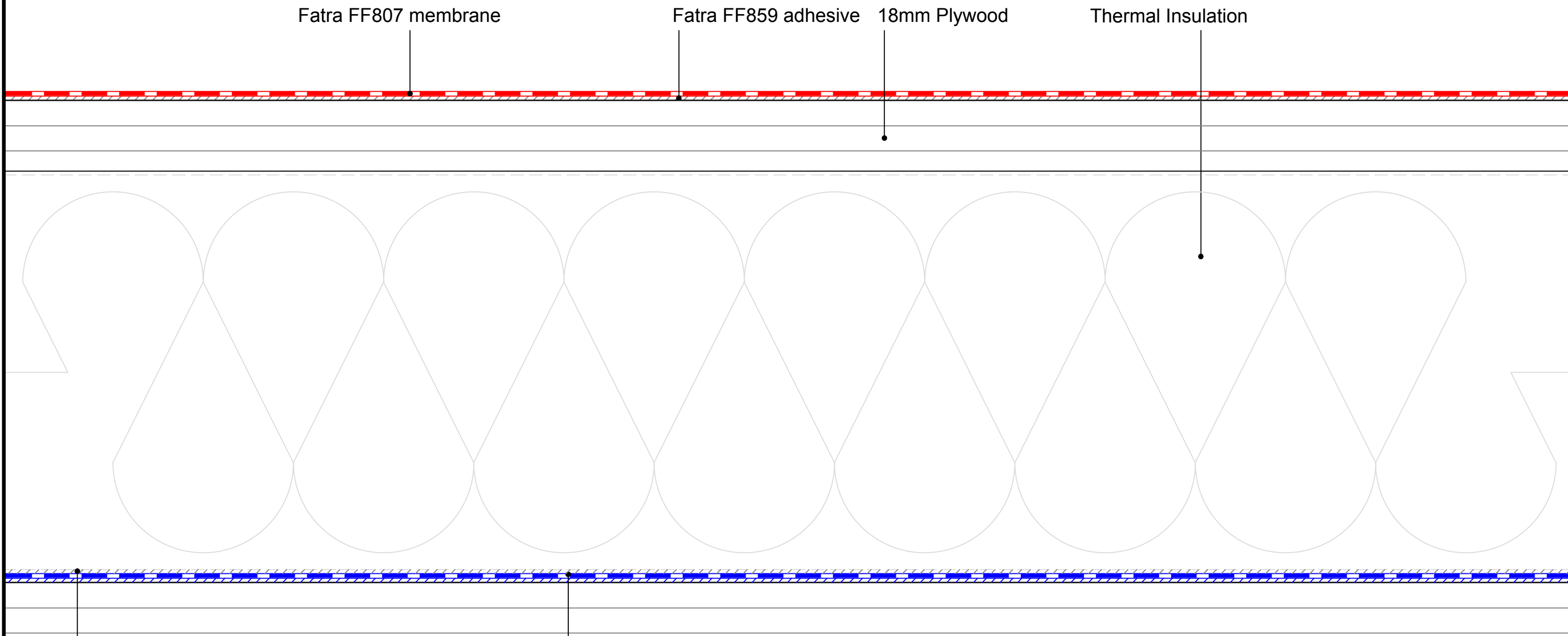
DRAWING NO:  
**FATRA FA-02**

REVISION:  
**-**

# Single Ply Membrane Details

Fully adhered system

## Section through plywood deck - B



Fatra FF807 membrane

Fatra FF859 adhesive

18mm Plywood

Thermal Insulation

Fatra FF867 Insulation adhesive

18mm Plywood deck

Fatra FF816 self adhered bitumen vapour barrier

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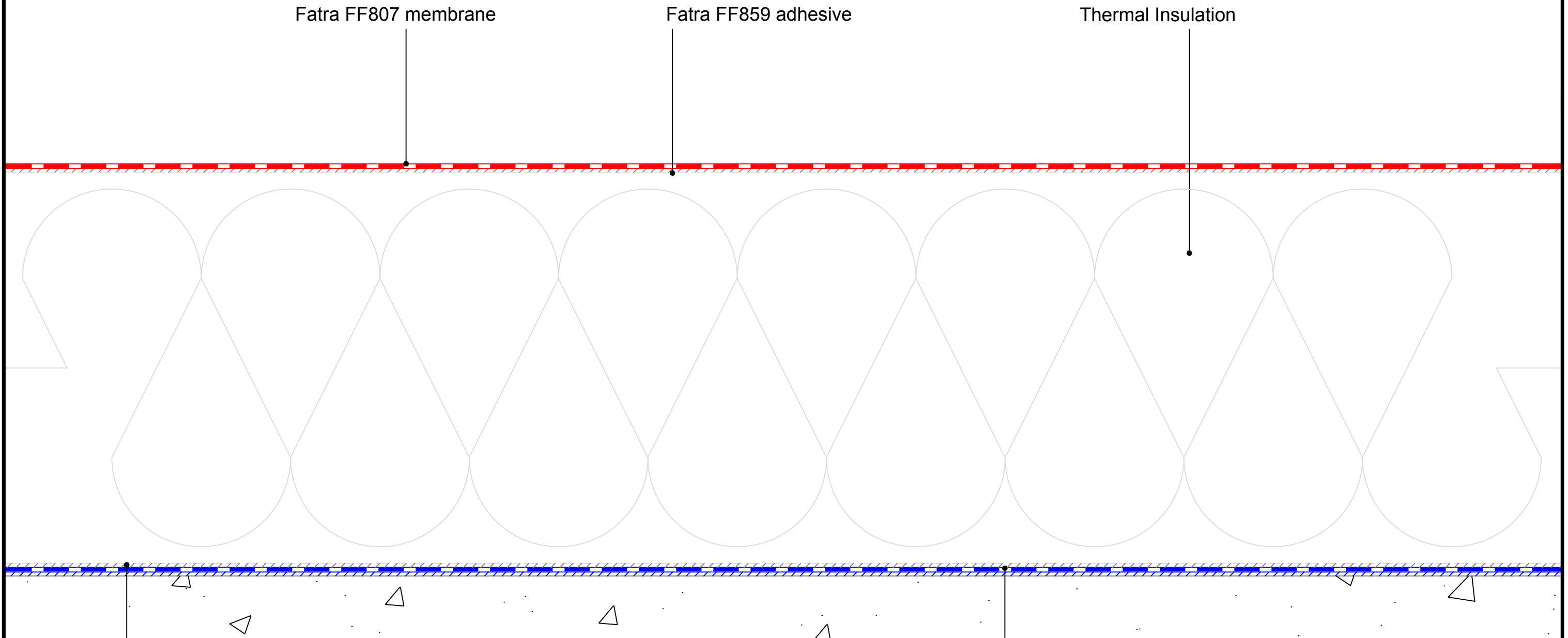


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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SECTION THROUGH PLYWOOD DECK B**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:1 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-03</b>		REVISION: <b>-</b>

**Single Ply Membrane Details**  
 Fully adhered system  
**Section through concrete deck**



Fatra FF807 membrane

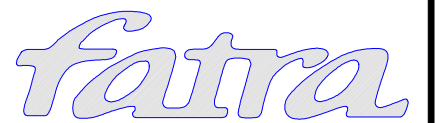
Fatra FF859 adhesive

Thermal Insulation

Fatra FF867 Insulation adhesive

Fatra FF815 self adhered bitumen vapour barrier

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SECTION THROUGH CONCRETE DECK**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:1 @ A3</b>	DRAWN: <b>LB</b>
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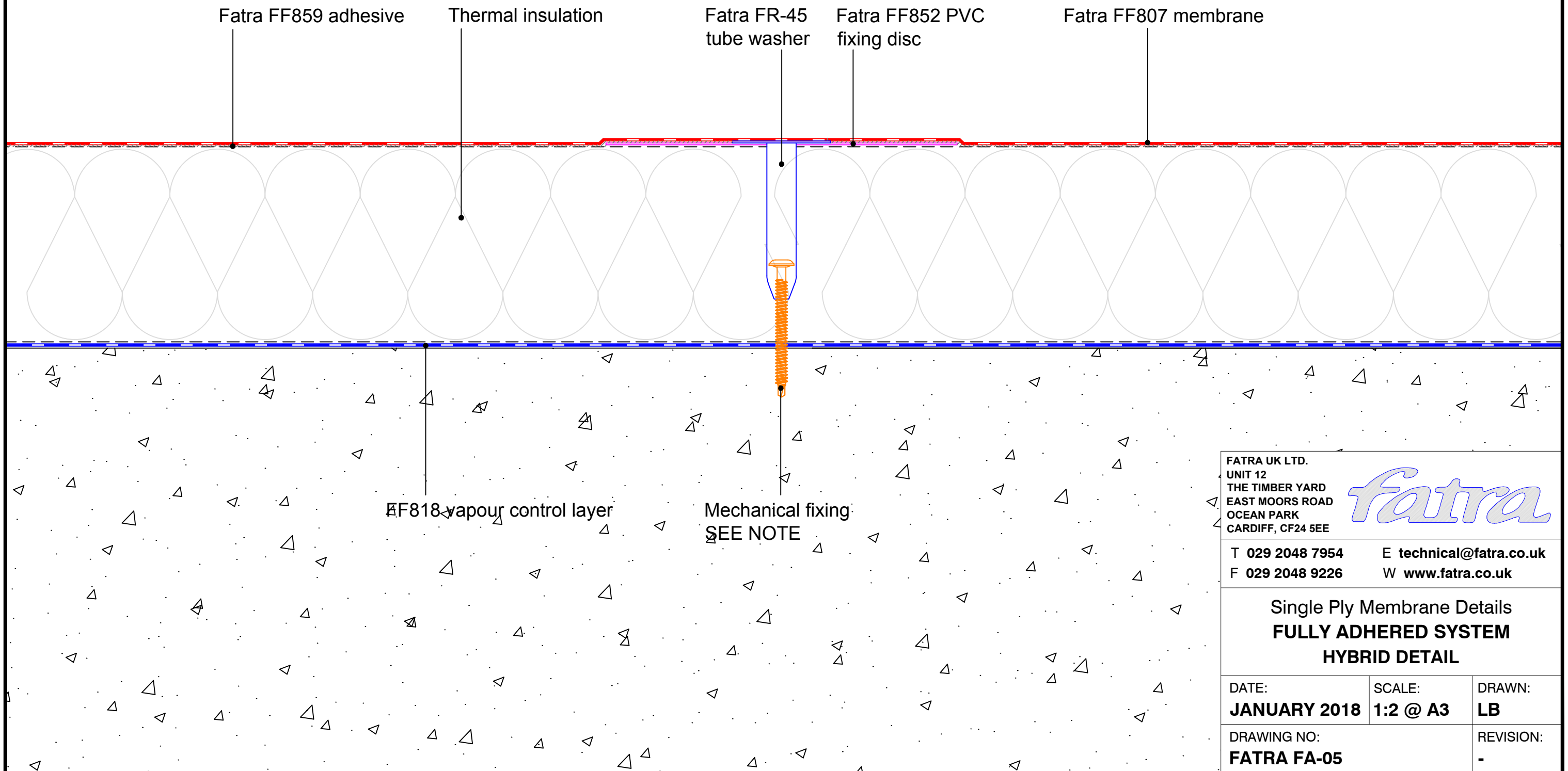
DRAWING NO: <b>FATRA MF-04</b>	REVISION: -
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**Single Ply Membrane Details**  
**Mechanically fixed insulation, fully adhered membrane**  
**Hybrid detail**

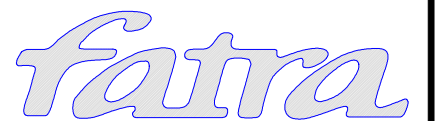
**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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**Single Ply Membrane Details**  
**FULLY ADHERED SYSTEM**  
**HYBRID DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-05</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

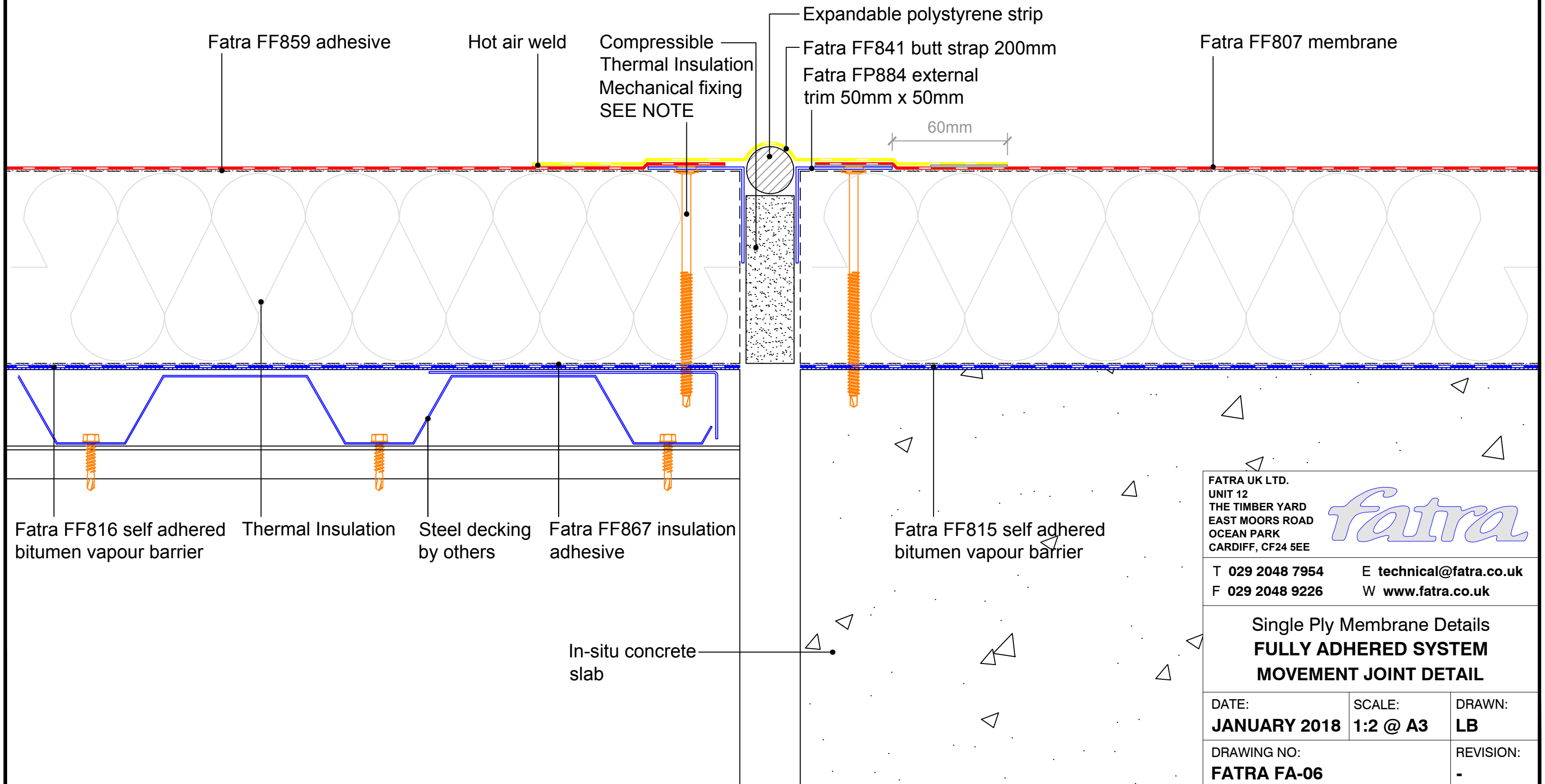
Fully adhered system

## Movement joint detail

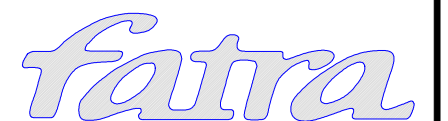
### MECHANICAL FIXINGS:-

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**MOVEMENT JOINT DETAIL**

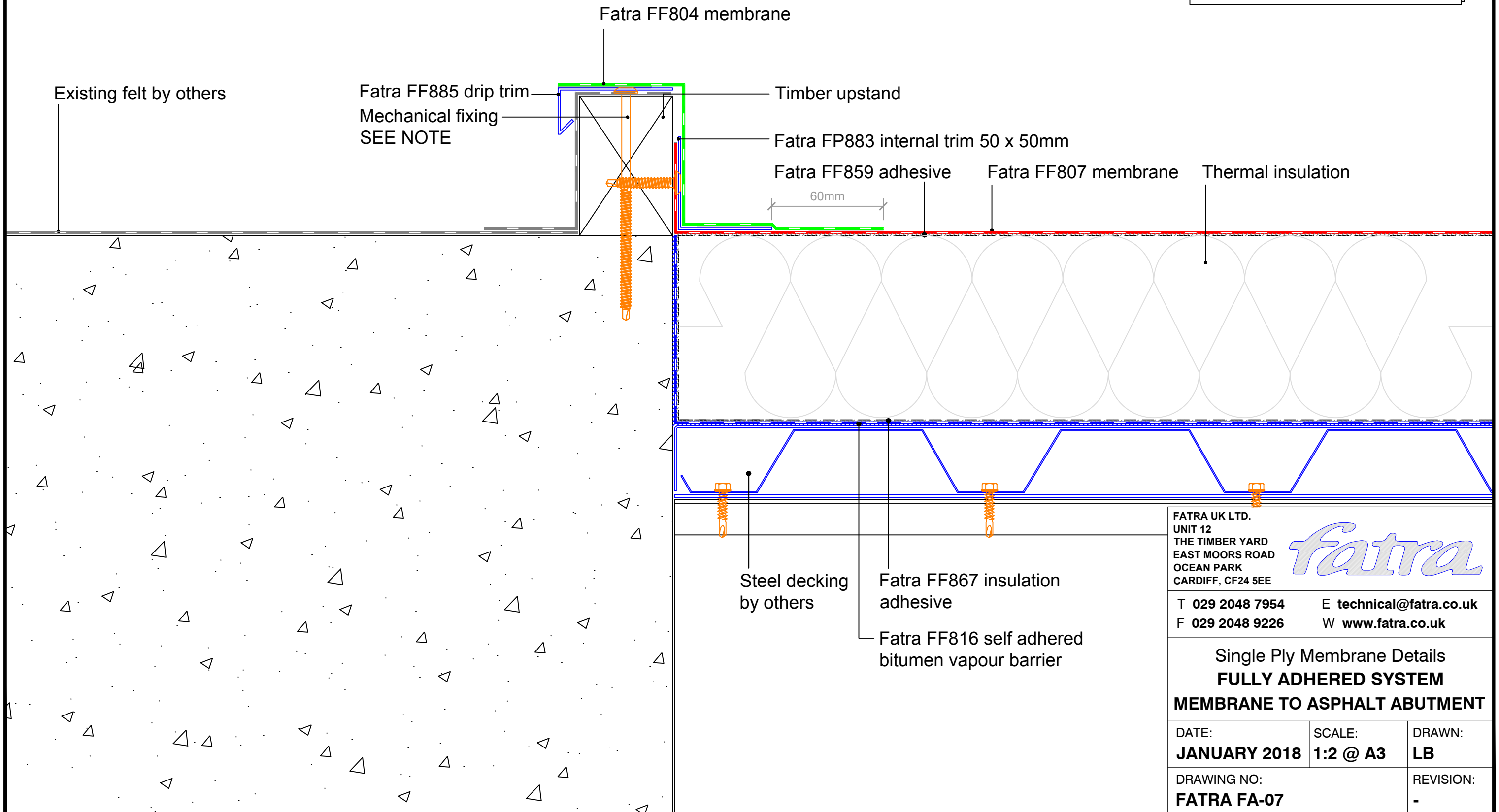
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-06</b>		REVISION: <b>-</b>

**Single Ply Membrane Details**  
 Fully adhered system  
**Membrane to asphalt abutment**

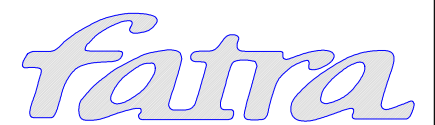
**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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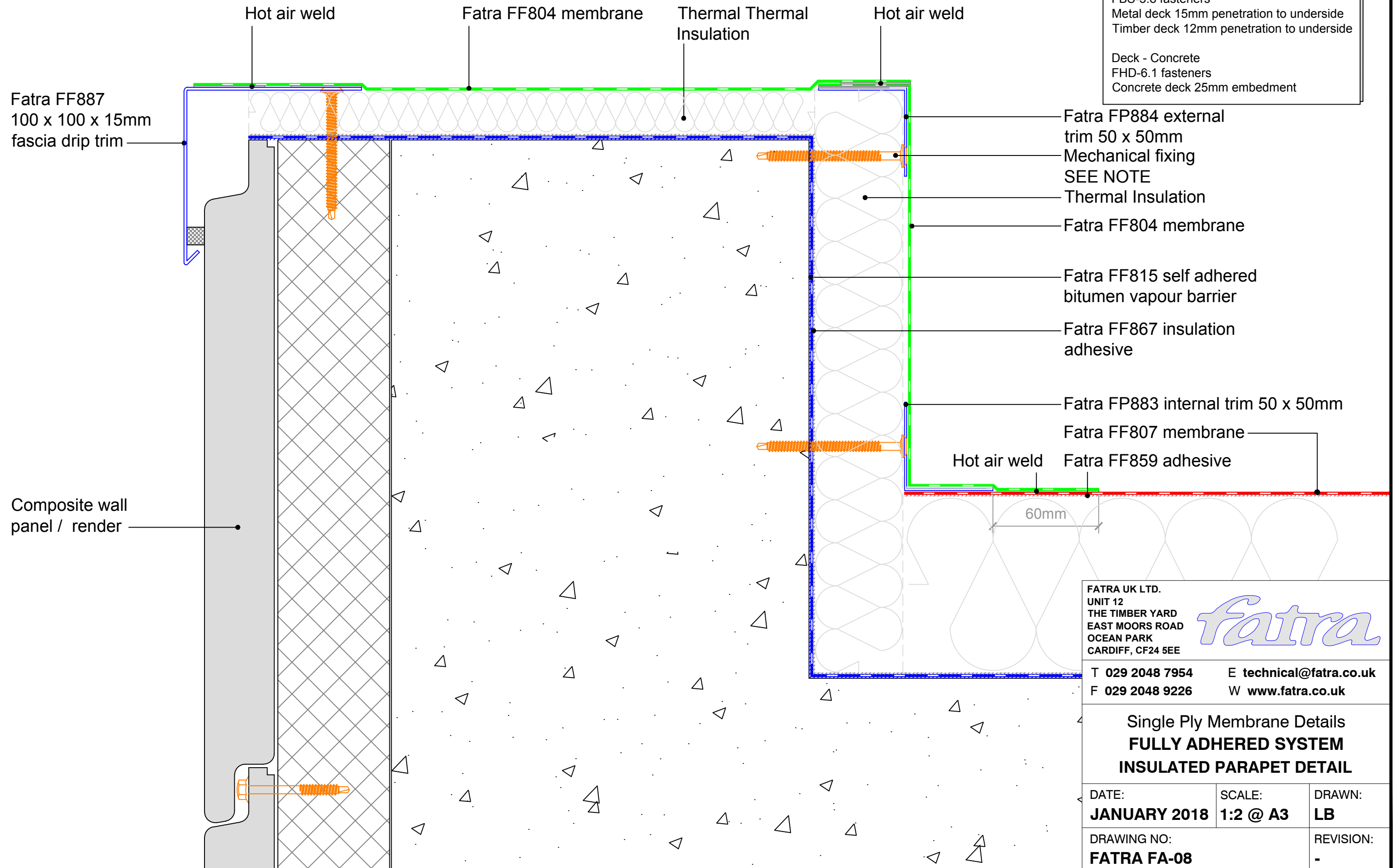
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**MEMBRANE TO ASPHALT ABUTMENT**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-07</b>		REVISION: -

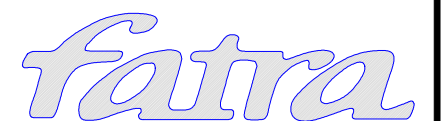
# Single Ply Membrane Details

Fully adhered system

## Insulated parapet detail



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**INSULATED PARAPET DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-08</b>		REVISION: <b>-</b>



# Single Ply Membrane Details

Fully adhered system

## Un-insulated parapet detail

Fatra FP887  
100 x 100 x 15mm  
fascia drip trim

Hot air weld

Fatra FF804 membrane

Hot air weld

Fatra FP884 external  
trim 50 x 50mm

Mechanical fixing  
SEE NOTE

Fatra FF804 membrane

Fatra FP883 internal  
trim 50 x 50mm

Fatra FF807 membrane

Hot air weld Fatra FF859 adhesive

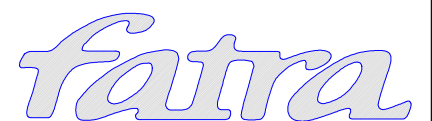
Composite wall  
panel / render

Fatra FF815 self adhered  
bitumen vapour barrier

Fatra FF867 insulation  
adhesive

60mm

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**UNINSULATED PARAPET DETAIL**

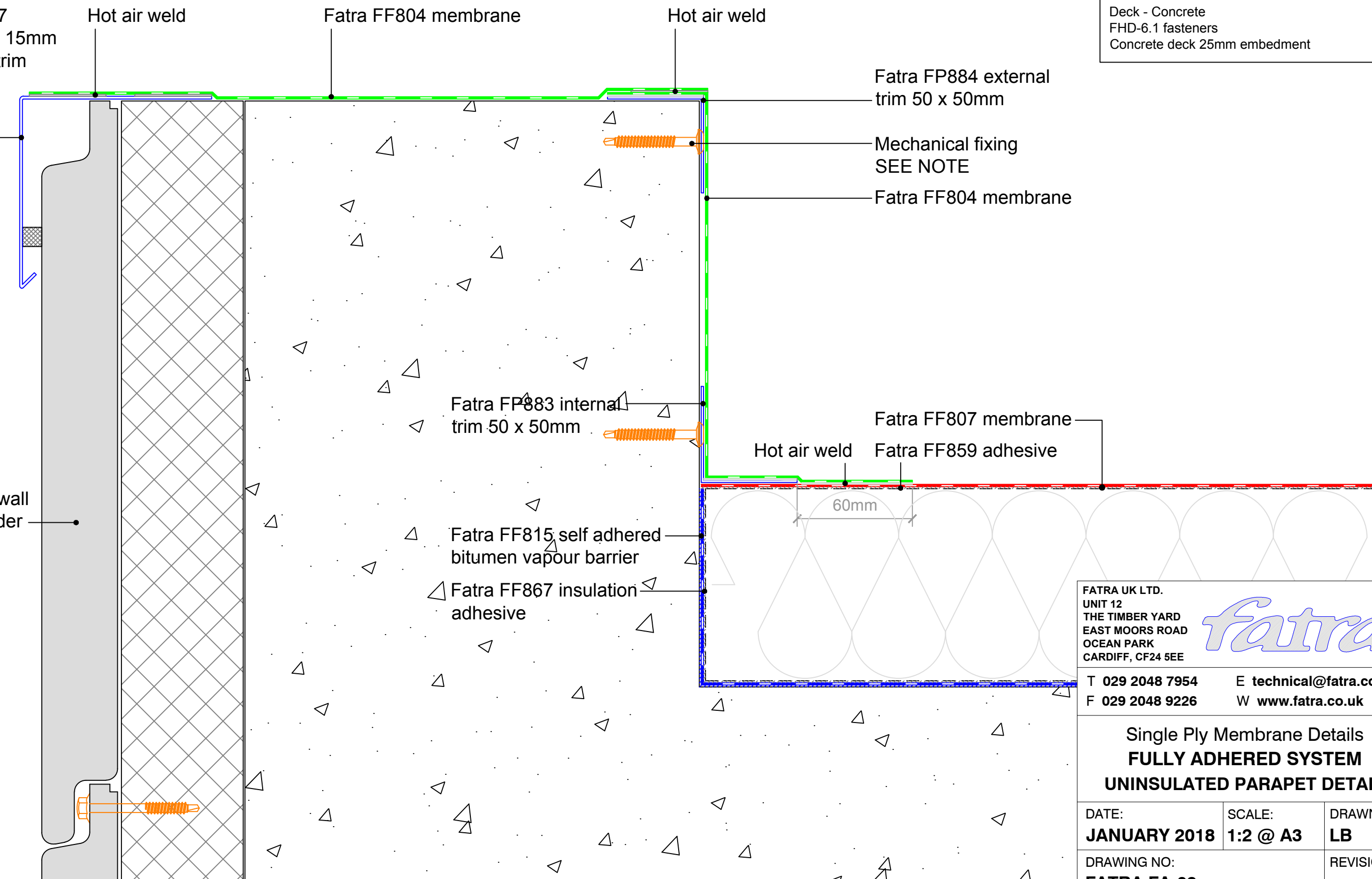
DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-09**

REVISION:  
-



**MECHANICAL FIXINGS:-**

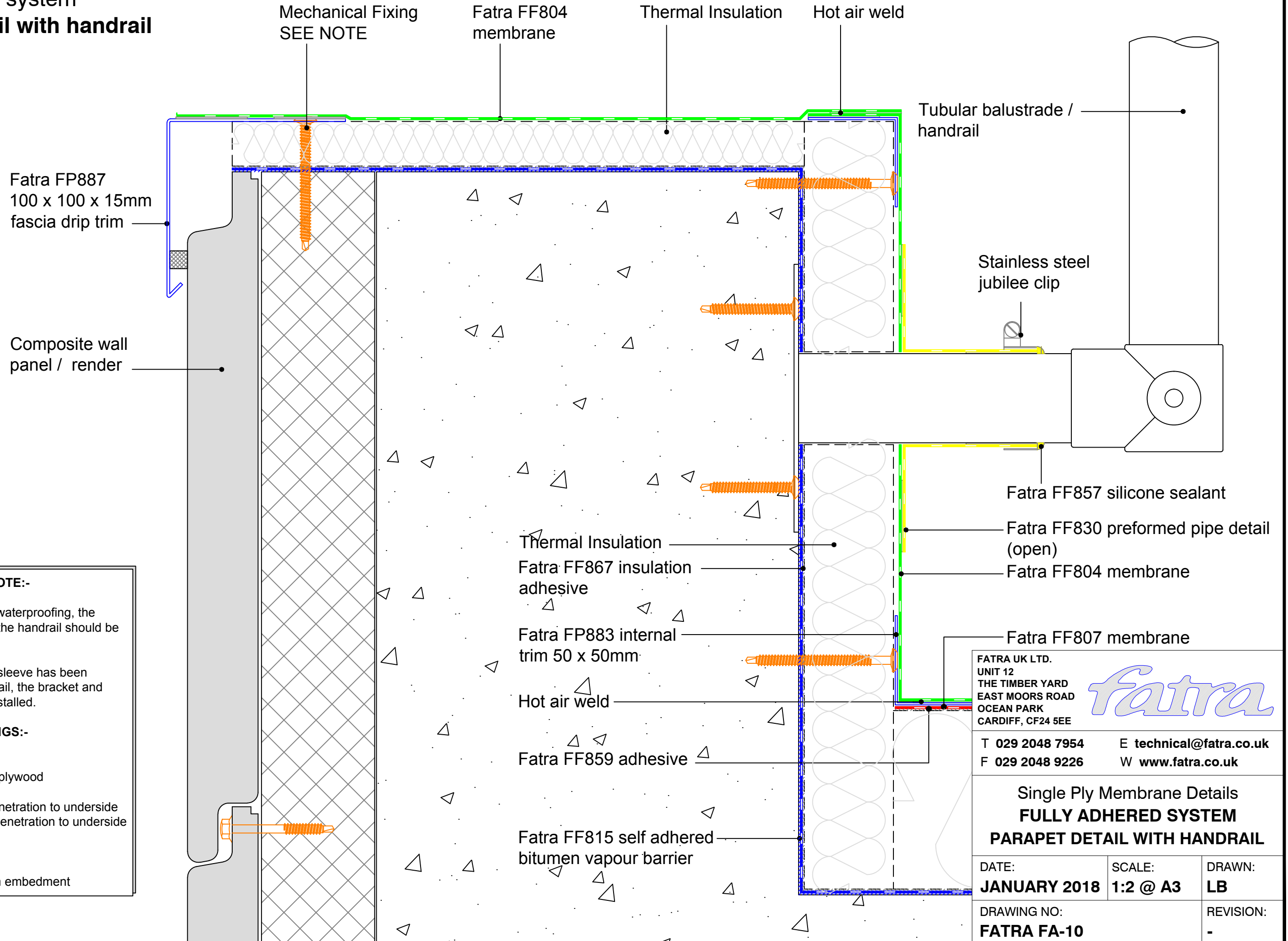
Selection of fixings:-  
Deck - Metal/Timber/plywood  
FBS-5.8 fasteners  
Metal deck 15mm penetration to underside  
Timber deck 12mm penetration to underside

Deck - Concrete  
FHD-6.1 fasteners  
Concrete deck 25mm embedment

# Single Ply Membrane Details

Fully adhered system

## Parapet detail with handrail



### CONSTRUCTION NOTE:-

To ensure effective waterproofing, the horizontal section of the handrail should be installed first.

After the membrane sleeve has been dressed around the rail, the bracket and vertical rail can be installed.

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**PARAPET DETAIL WITH HANDRAIL**

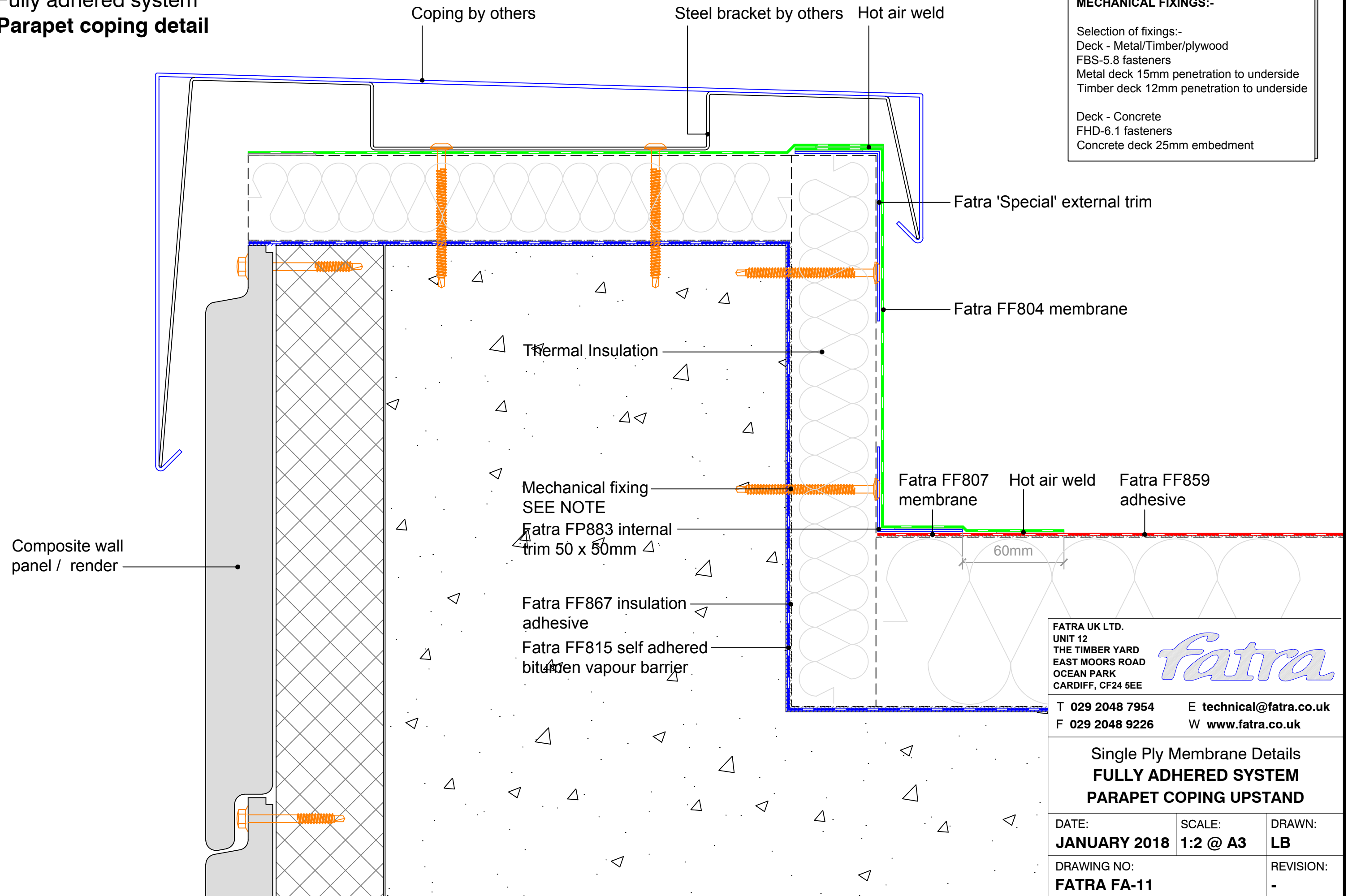
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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DRAWING NO: <b>FATRA FA-10</b>	REVISION: -
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# Single Ply Membrane Details

Fully adhered system

## Parapet coping detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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Single Ply Membrane Details <b>FULLY ADHERED SYSTEM</b> <b>PARAPET COPING UPSTAND</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-11</b>		REVISION: -

# Single Ply Membrane Details

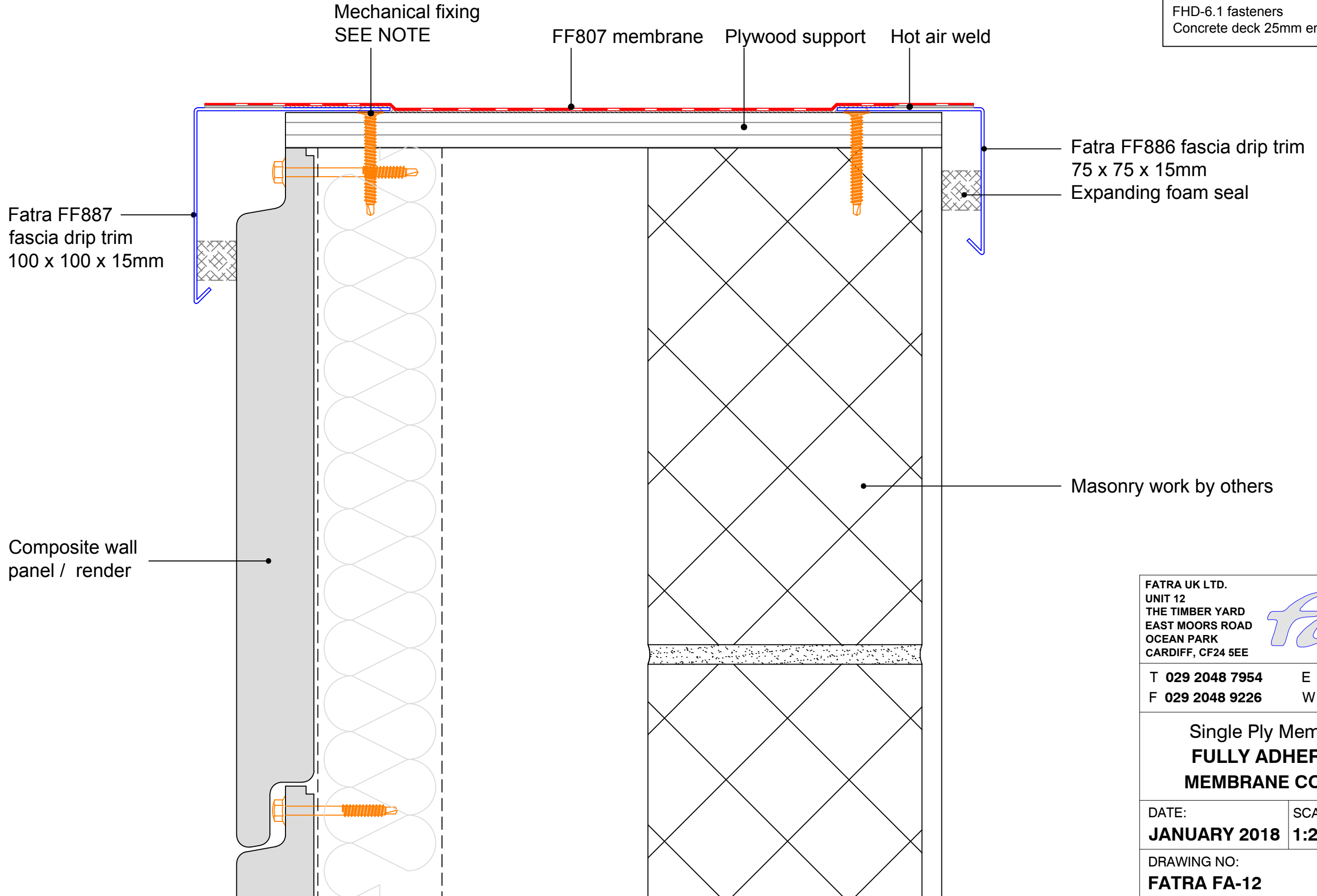
Fully adhered system

## Membrane coping detail


**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**MEMBRANE COPING DETAIL**

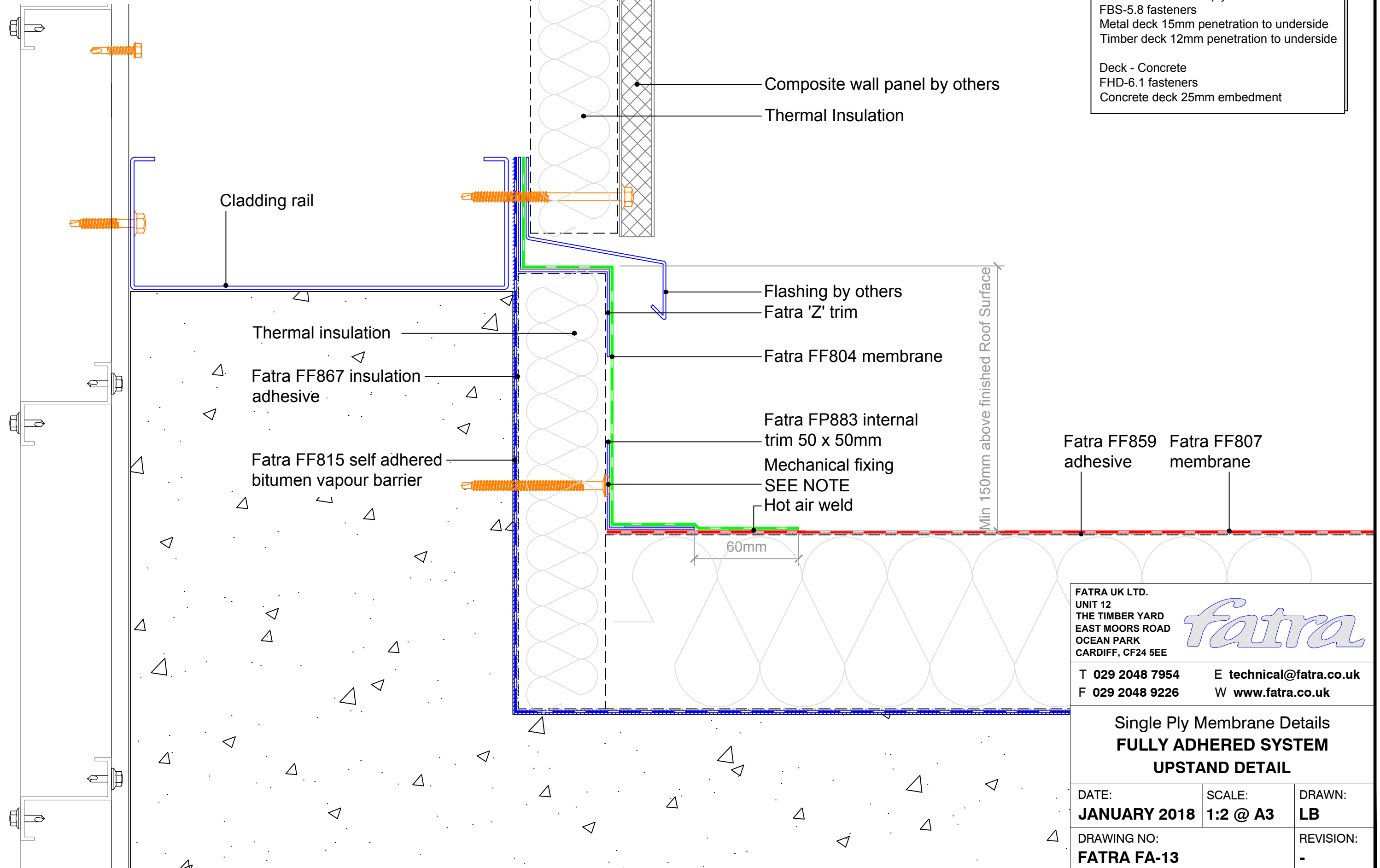
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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DRAWING NO: <b>FATRA FA-12</b>	REVISION: -
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# Single Ply Membrane Details

Fully adhered system

## Upstand detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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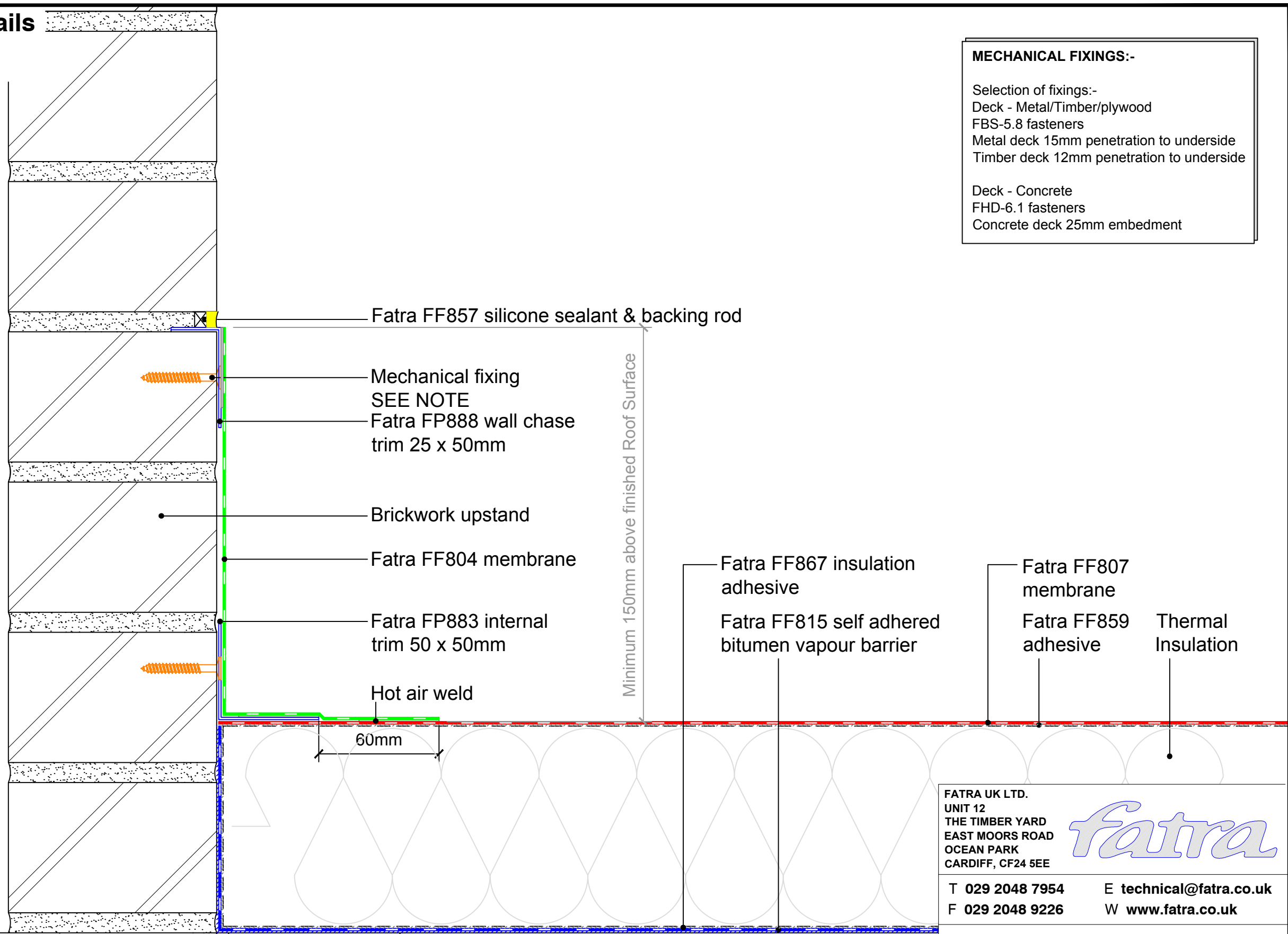
T 029 2048 7954      E [technical@fatra.co.uk](mailto:technical@fatra.co.uk)  
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<b>Single Ply Membrane Details FULLY ADHERED SYSTEM UPSTAND DETAIL</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-13</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Chase trim detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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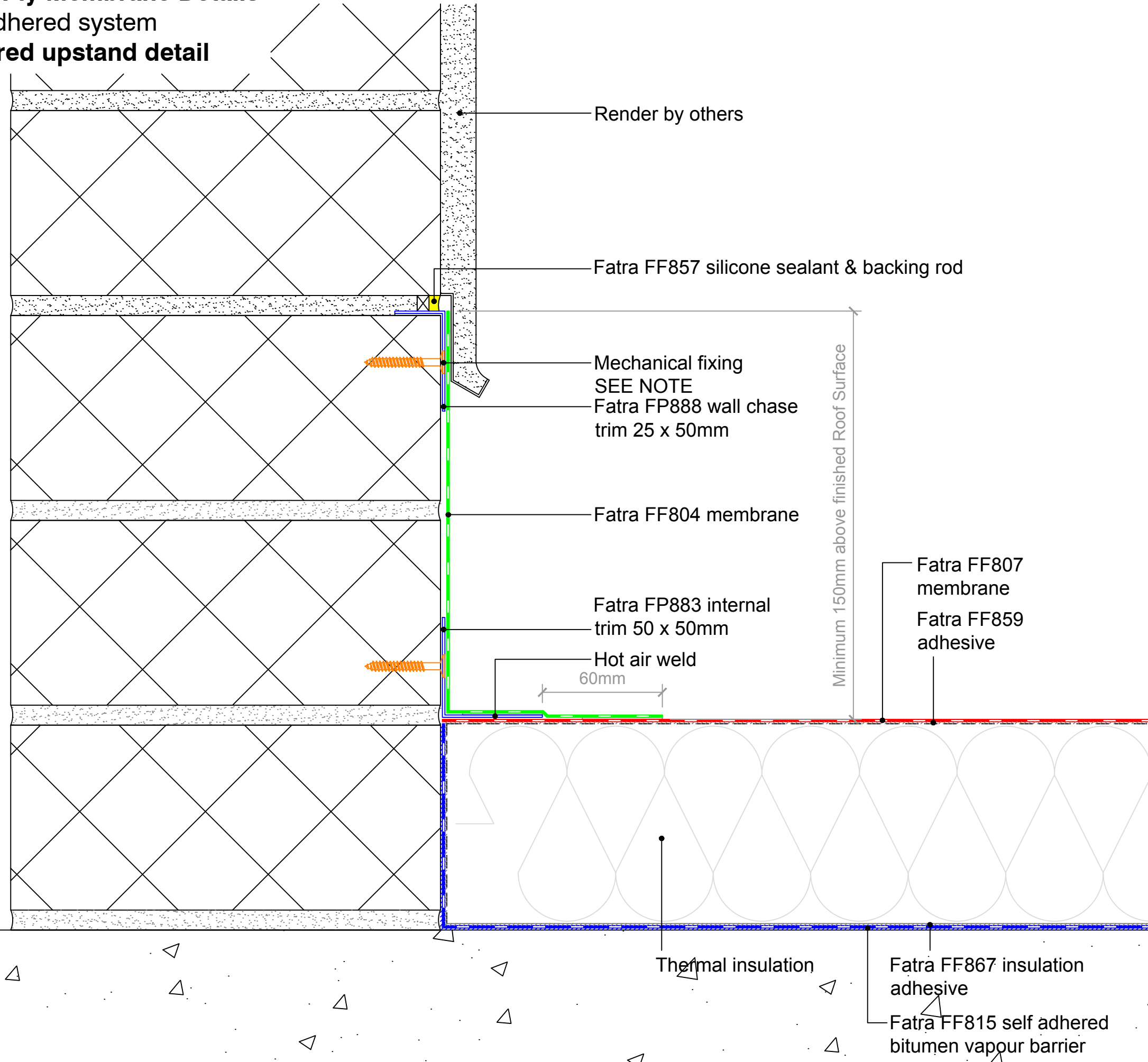
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**CHASE TRIM DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-14</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

Fully adhered system

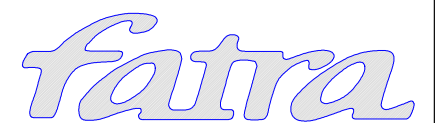
## Rendered upstand detail



### MECHANICAL FIXINGS:-

- Selection of fixings:-
- Deck - Metal/Timber/plywood
- FBS-5.8 fasteners
- Metal deck 15mm penetration to underside
- Timber deck 12mm penetration to underside
  
- Deck - Concrete
- FHD-6.1 fasteners
- Concrete deck 25mm embedment

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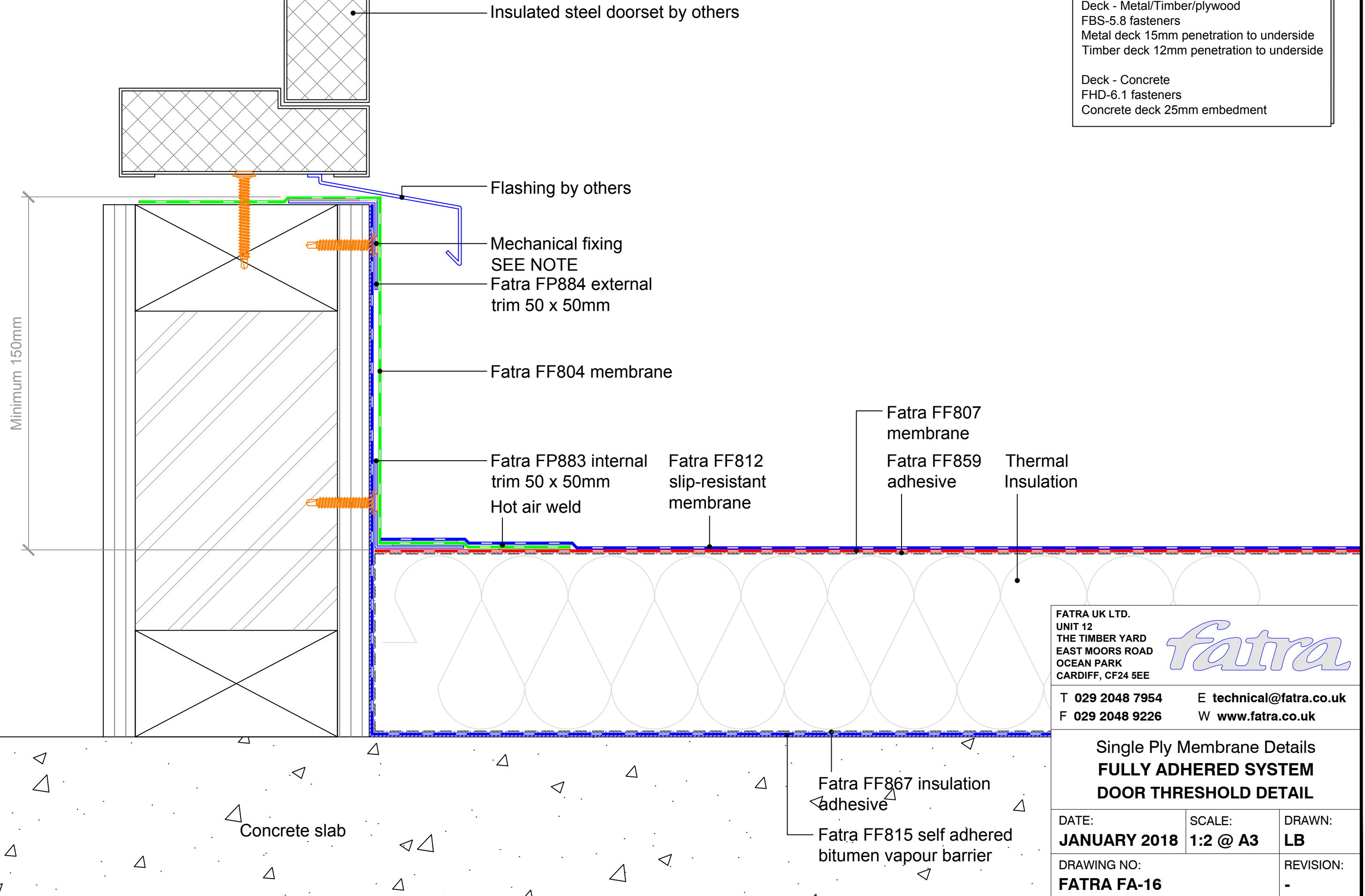
### Single Ply Membrane Details FULLY ADHERED SYSTEM RENDERED UPSTAND DETAIL

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-15</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

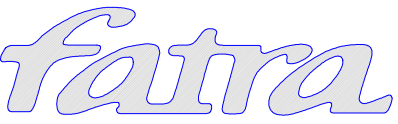
## Door threshold detail



### MECHANICAL FIXINGS:-

- Selection of fixings:-
- Deck - Metal/Timber/plywood
- FBS-5.8 fasteners
- Metal deck 15mm penetration to underside
- Timber deck 12mm penetration to underside
  
- Deck - Concrete
- FHD-6.1 fasteners
- Concrete deck 25mm embedment

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### Single Ply Membrane Details FULLY ADHERED SYSTEM DOOR THRESHOLD DETAIL

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-16</b>		REVISION: -



# Single Ply Membrane Details

Fully adhered system

## Step / change of height detail

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood

FBS-5.8 fasteners

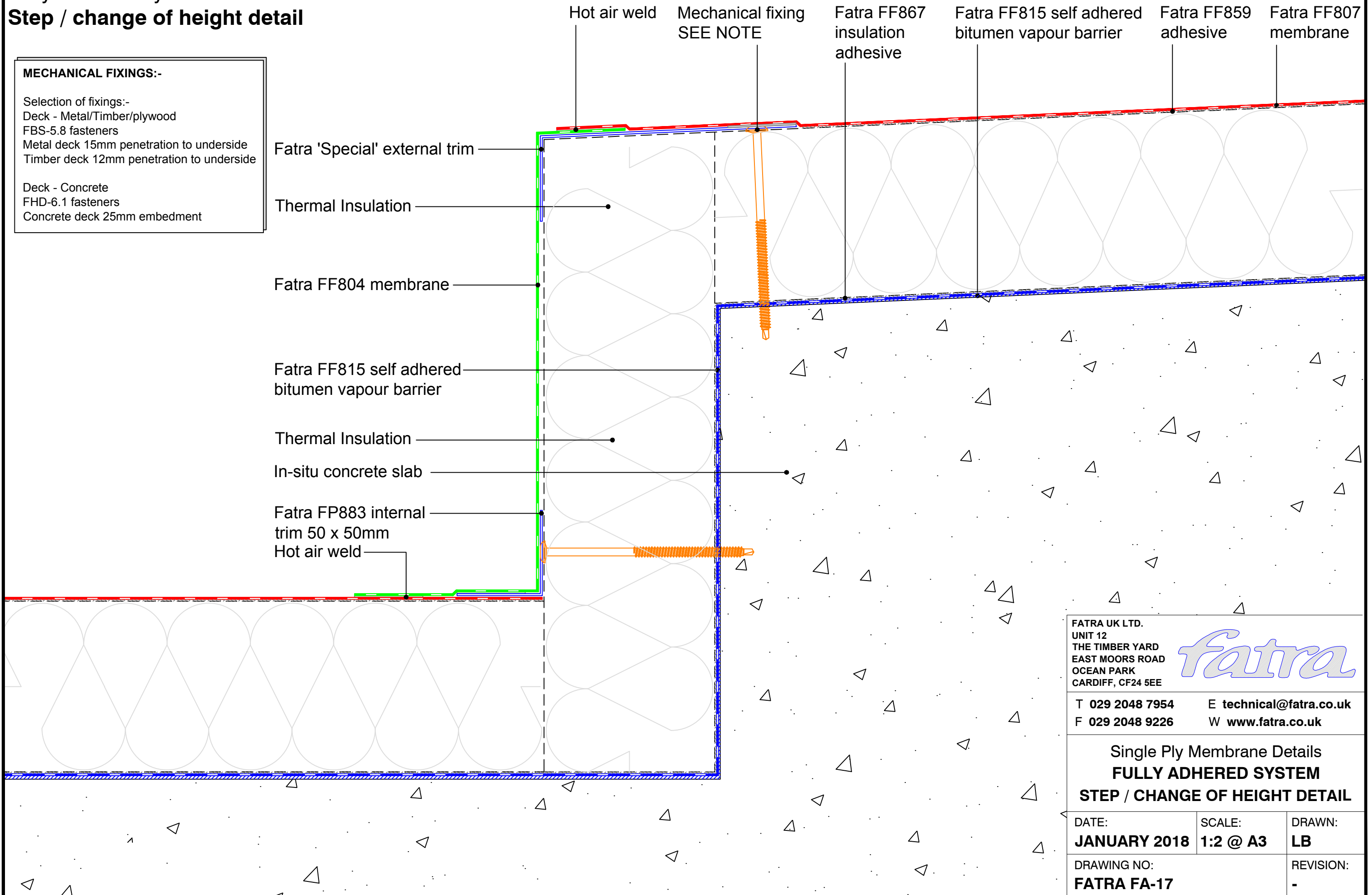
Metal deck 15mm penetration to underside

Timber deck 12mm penetration to underside

Deck - Concrete

FHD-6.1 fasteners

Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**STEP / CHANGE OF HEIGHT DETAIL**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-17**

REVISION:  
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# Single Ply Membrane Details

Fully adhered system

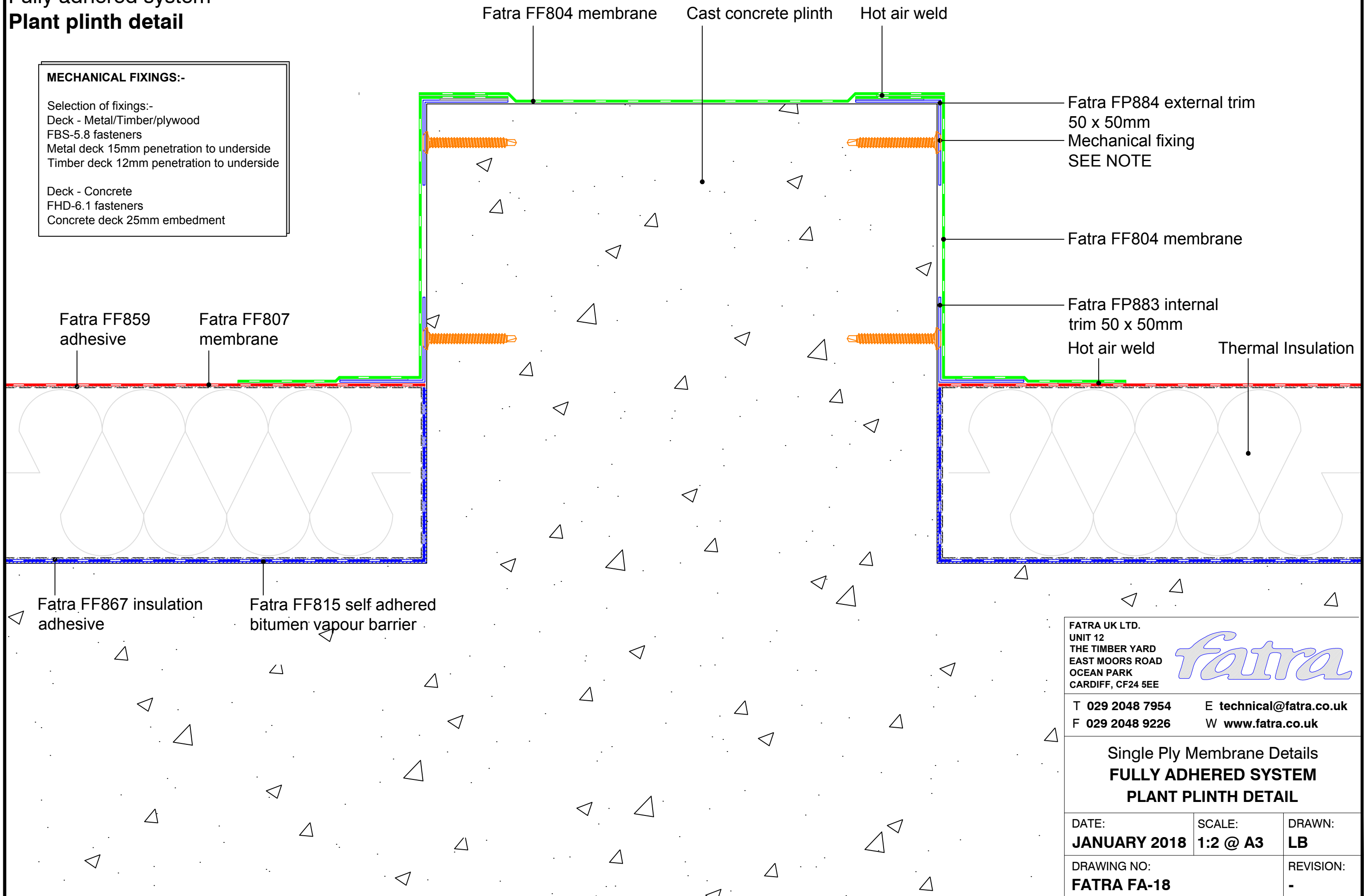
## Plant plinth detail

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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 F 029 2048 9226 W [www.fatra.co.uk](http://www.fatra.co.uk)

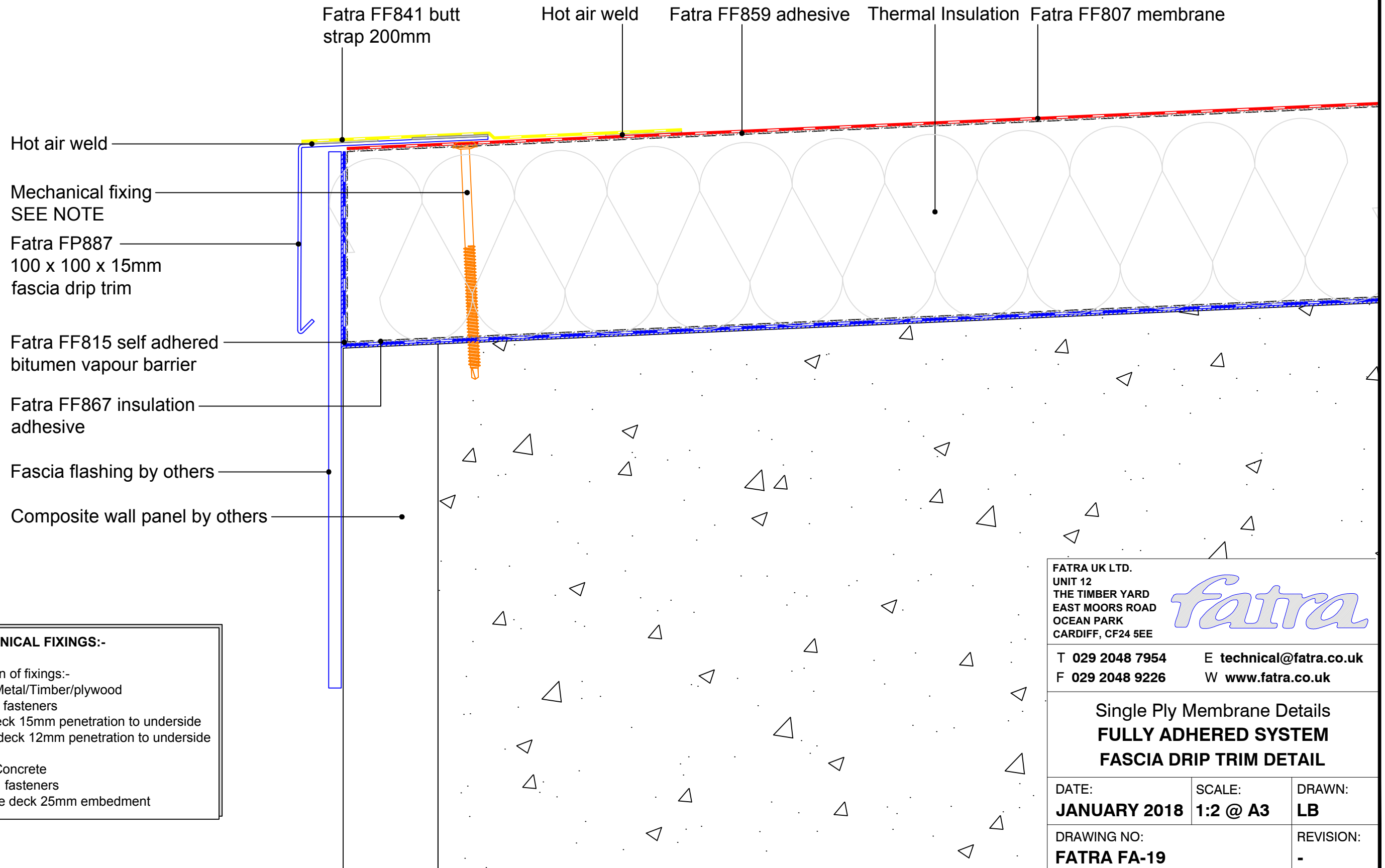
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**PLANT PLINTH DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-18</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Fascia drip trim detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

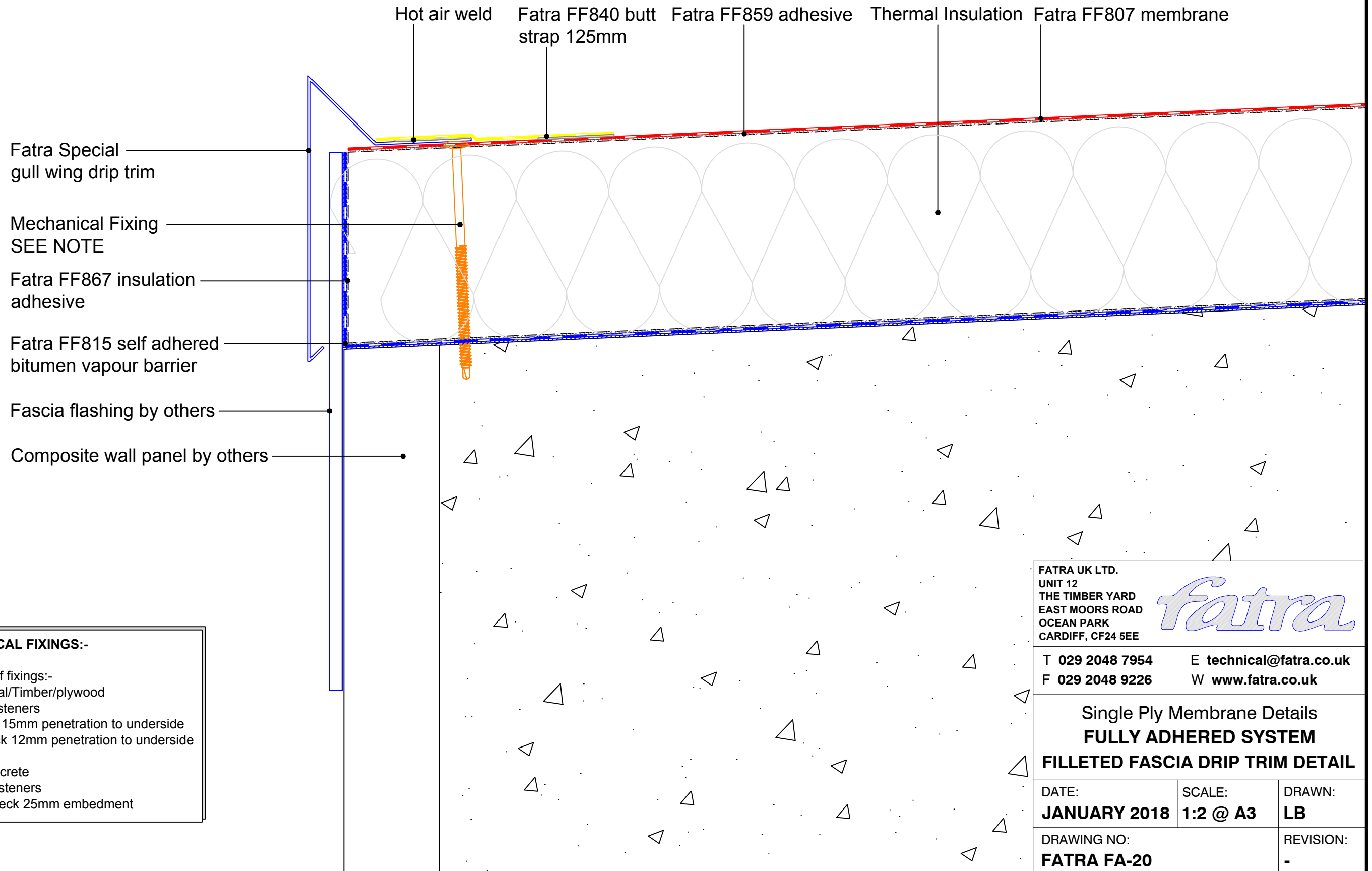
Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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<b>Single Ply Membrane Details                  FULLY ADHERED SYSTEM                  FASCIA DRIP TRIM DETAIL</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-19</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Filleted fascia drip trim detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

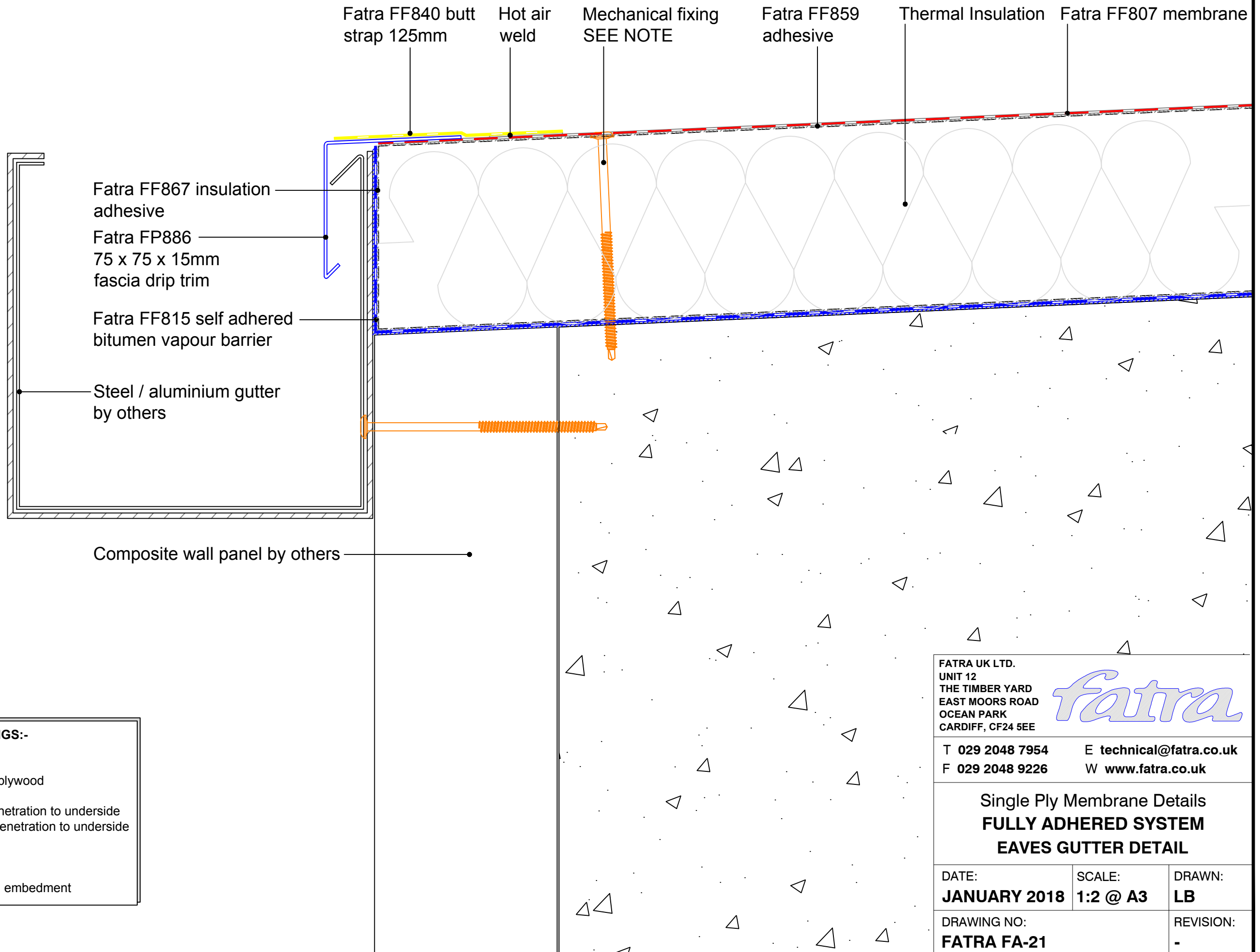
Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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<b>Single Ply Membrane Details</b> <b>FULLY ADHERED SYSTEM</b> <b>FILLETED FASCIA DRIP TRIM DETAIL</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-20</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Eaves gutter detail



Fatra FF867 insulation adhesive

Fatra FP886  
75 x 75 x 15mm  
fascia drip trim

Fatra FF815 self adhered  
bitumen vapour barrier


Steel / aluminium gutter  
by others

Composite wall panel by others

**MECHANICAL FIXINGS:-**

Selection of fixings:-  
Deck - Metal/Timber/plywood  
FBS-5.8 fasteners  
Metal deck 15mm penetration to underside  
Timber deck 12mm penetration to underside

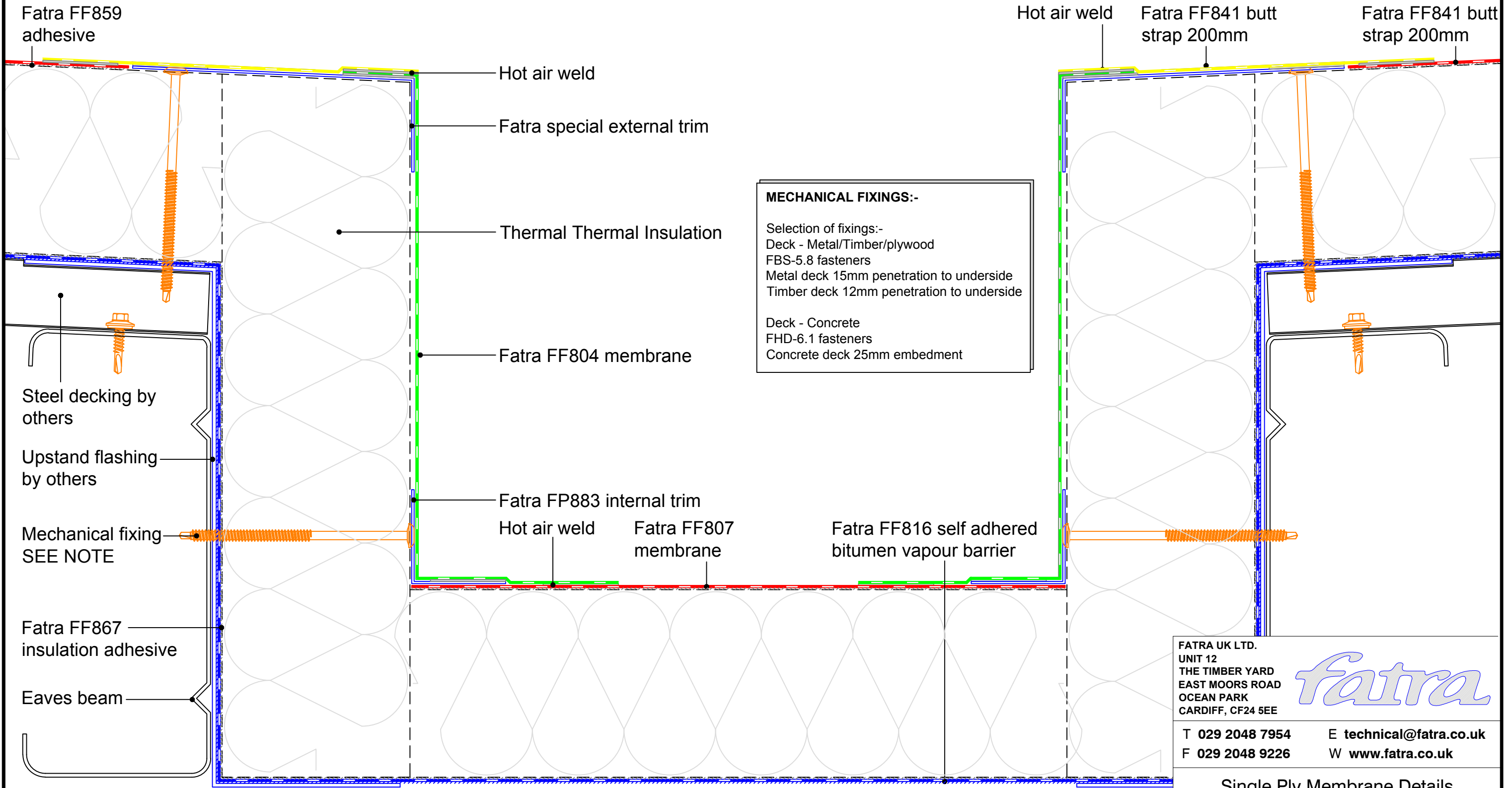
Deck - Concrete  
FHD-6.1 fasteners  
Concrete deck 25mm embedment

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<b>Single Ply Membrane Details                  FULLY ADHERED SYSTEM                  EAVES GUTTER DETAIL</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-21</b>		REVISION: -

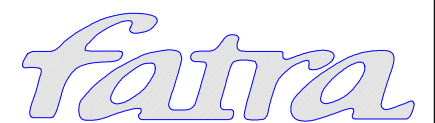
# Single Ply Membrane Details

Fully Adhered System

## Gutter detail



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**GUTTER DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-22</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

Fully adhered system

## Vertical outlet detail

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood

FBS-5.8 fasteners

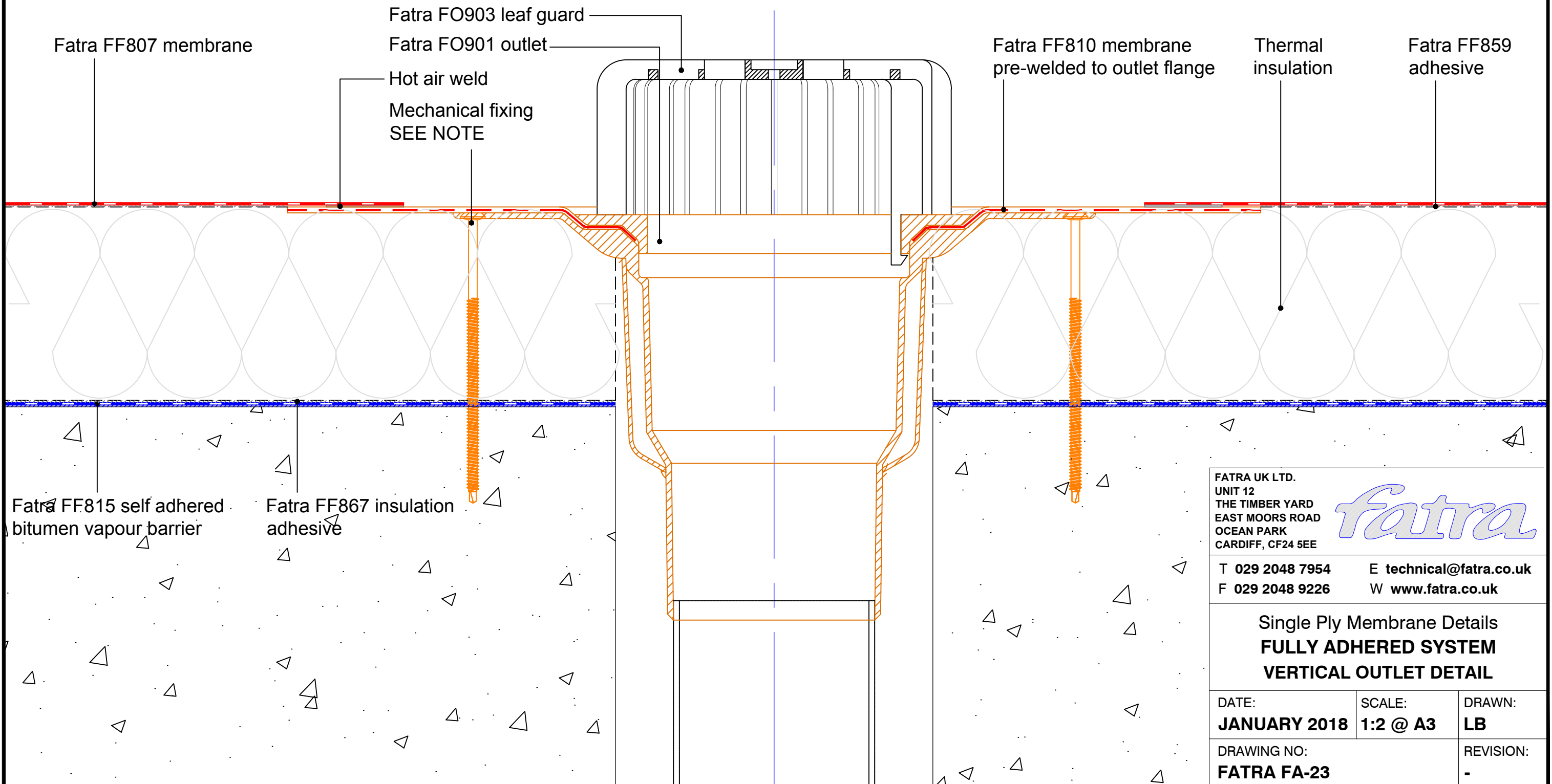
Metal deck 15mm penetration to underside

Timber deck 12mm penetration to underside

Deck - Concrete

FHD-6.1 fasteners

Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**VERTICAL OUTLET DETAIL**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-23**

REVISION:  
-

# Single Ply Membrane Details

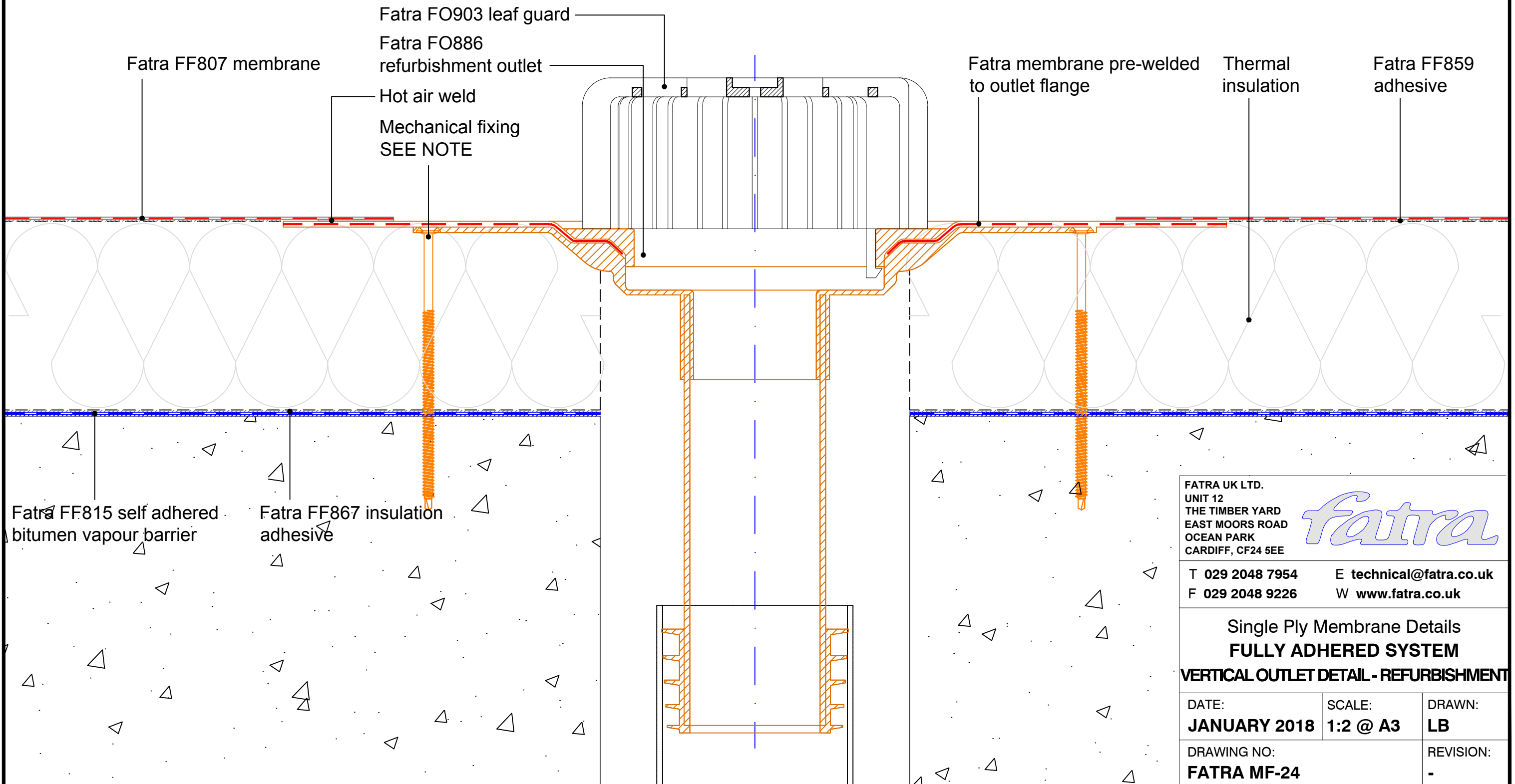
Fully adhered system

## Vertical outlet detail - Refurbishment

### MECHANICAL FIXINGS:-

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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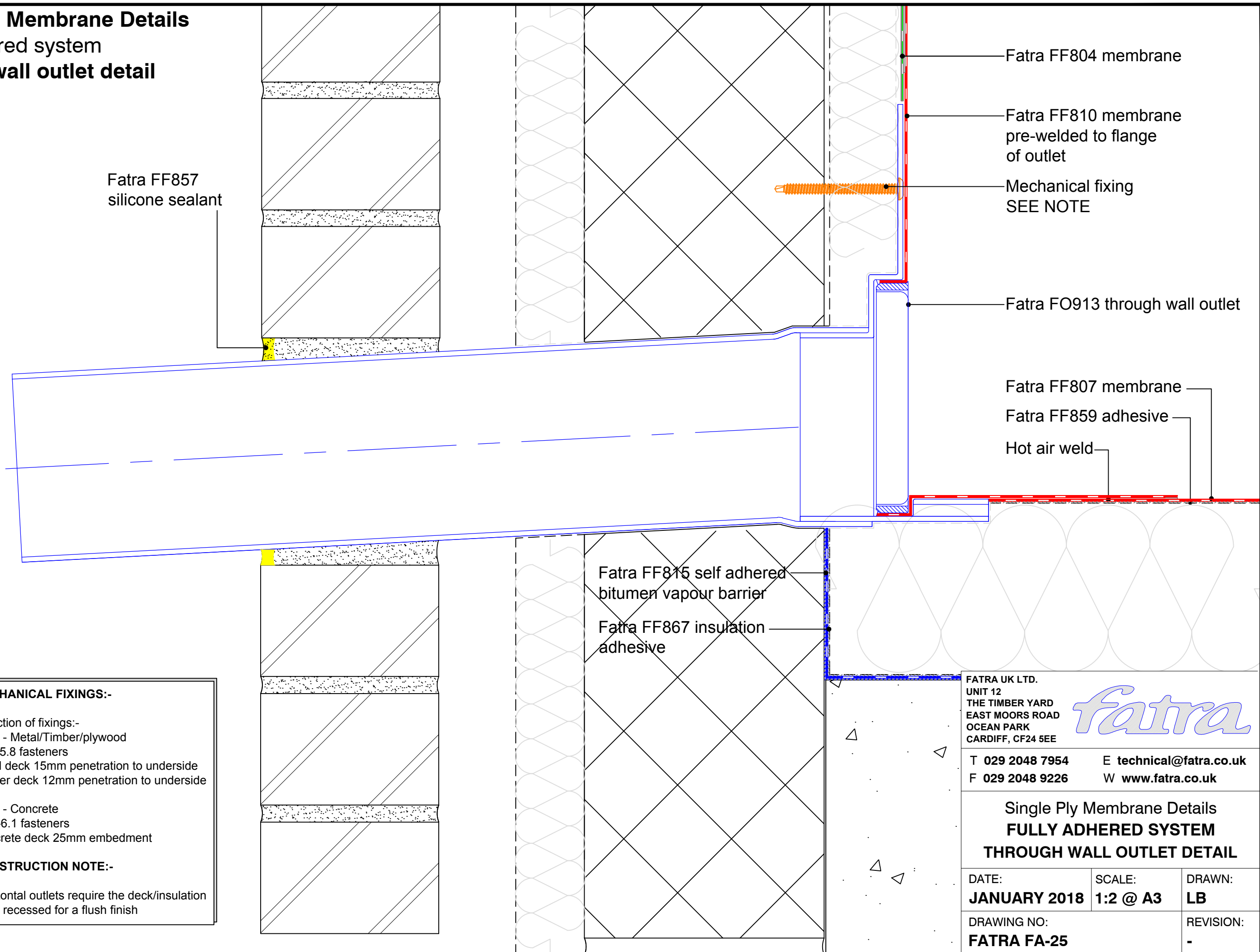
T 029 2048 7954      E [technical@fatra.co.uk](mailto:technical@fatra.co.uk)  
 F 029 2048 9226      W [www.fatra.co.uk](http://www.fatra.co.uk)

Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**VERTICAL OUTLET DETAIL - REFURBISHMENT**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA MF-24</b>		REVISION: -



**Single Ply Membrane Details**  
Fully adhered system  
**Through wall outlet detail**



Fatra FF857  
silicone sealant

Fatra FF804 membrane

Fatra FF810 membrane  
pre-welded to flange  
of outlet

Mechanical fixing  
SEE NOTE

Fatra FO913 through wall outlet

Fatra FF807 membrane

Fatra FF859 adhesive

Hot air weld

Fatra FF815 self adhered  
bitumen vapour barrier

Fatra FF867 insulation  
adhesive

**MECHANICAL FIXINGS:-**

Selection of fixings:-  
Deck - Metal/Timber/plywood  
FBS-5.8 fasteners  
Metal deck 15mm penetration to underside  
Timber deck 12mm penetration to underside

Deck - Concrete  
FHD-6.1 fasteners  
Concrete deck 25mm embedment

**CONSTRUCTION NOTE:-**

Horizontal outlets require the deck/insulation  
to be recessed for a flush finish

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**THROUGH WALL OUTLET DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-25</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Overflow detail

Fatra FF857  
silicone sealant

Fatra FF804 membrane

Fatra FF810 membrane  
pre-welded  
to flange of outlet

Mechanical fixing  
SEE NOTE

Fatra FO911 overflow outlet

Fatra FF815 self adhered  
bitumen vapour barrier  
Fatra FF867 insulation  
adhesive  
Thermal Insulation

Fatra FF807 membrane

Fatra FF859 adhesive

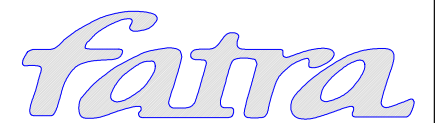
Fatra FP883 internal  
trim 50 x 50mm

### MECHANICAL FIXINGS:-

Selection of fixings:-  
Deck - Metal/Timber/plywood  
FBS-5.8 fasteners  
Metal deck 15mm penetration to underside  
Timber deck 12mm penetration to underside

Deck - Concrete  
FHD-6.1 fasteners  
Concrete deck 25mm embedment

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
OVERFLOW DETAIL

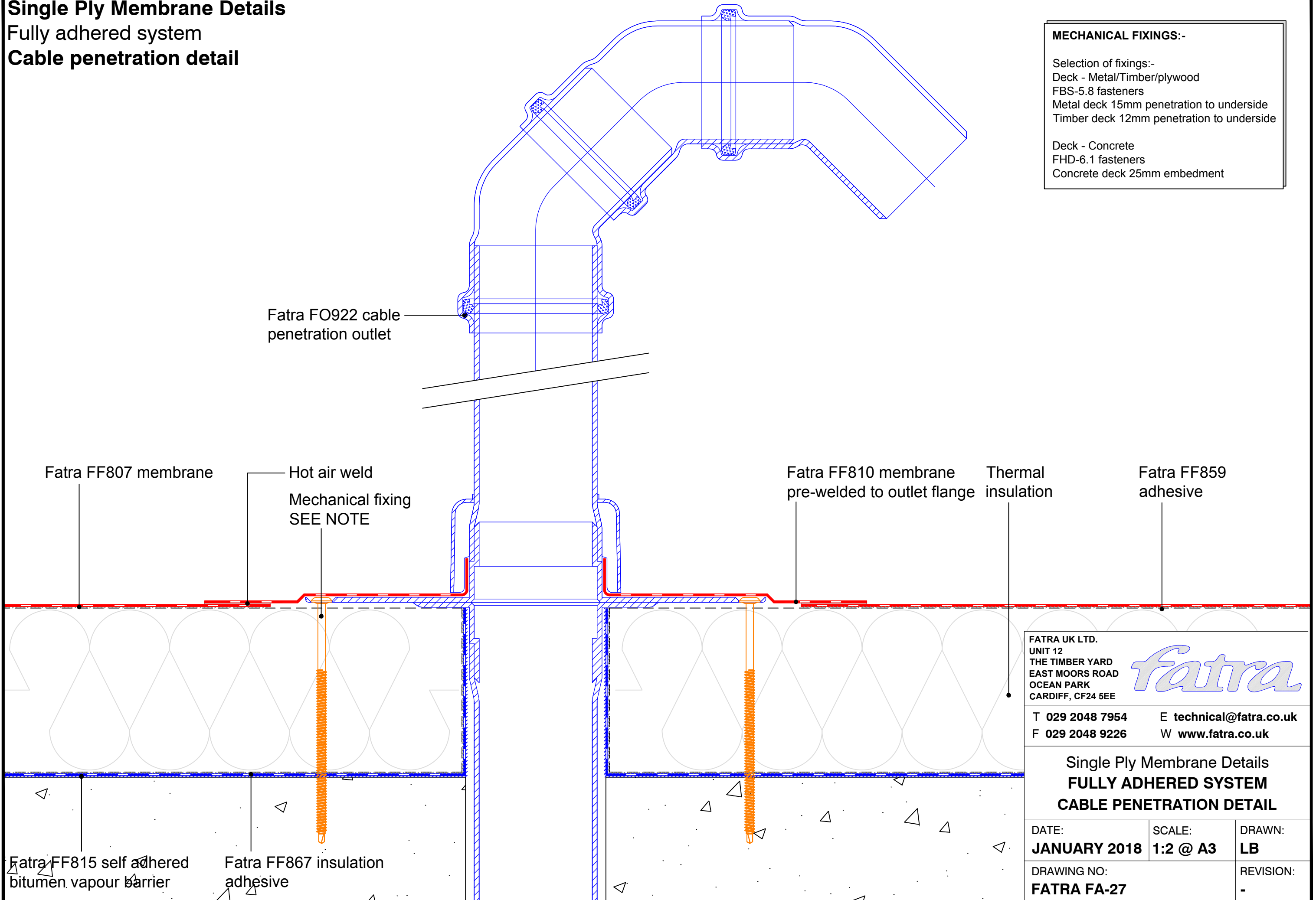
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DRAWING NO: <b>FATRA FA-26</b>	REVISION: -
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# Single Ply Membrane Details

Fully adhered system

## Cable penetration detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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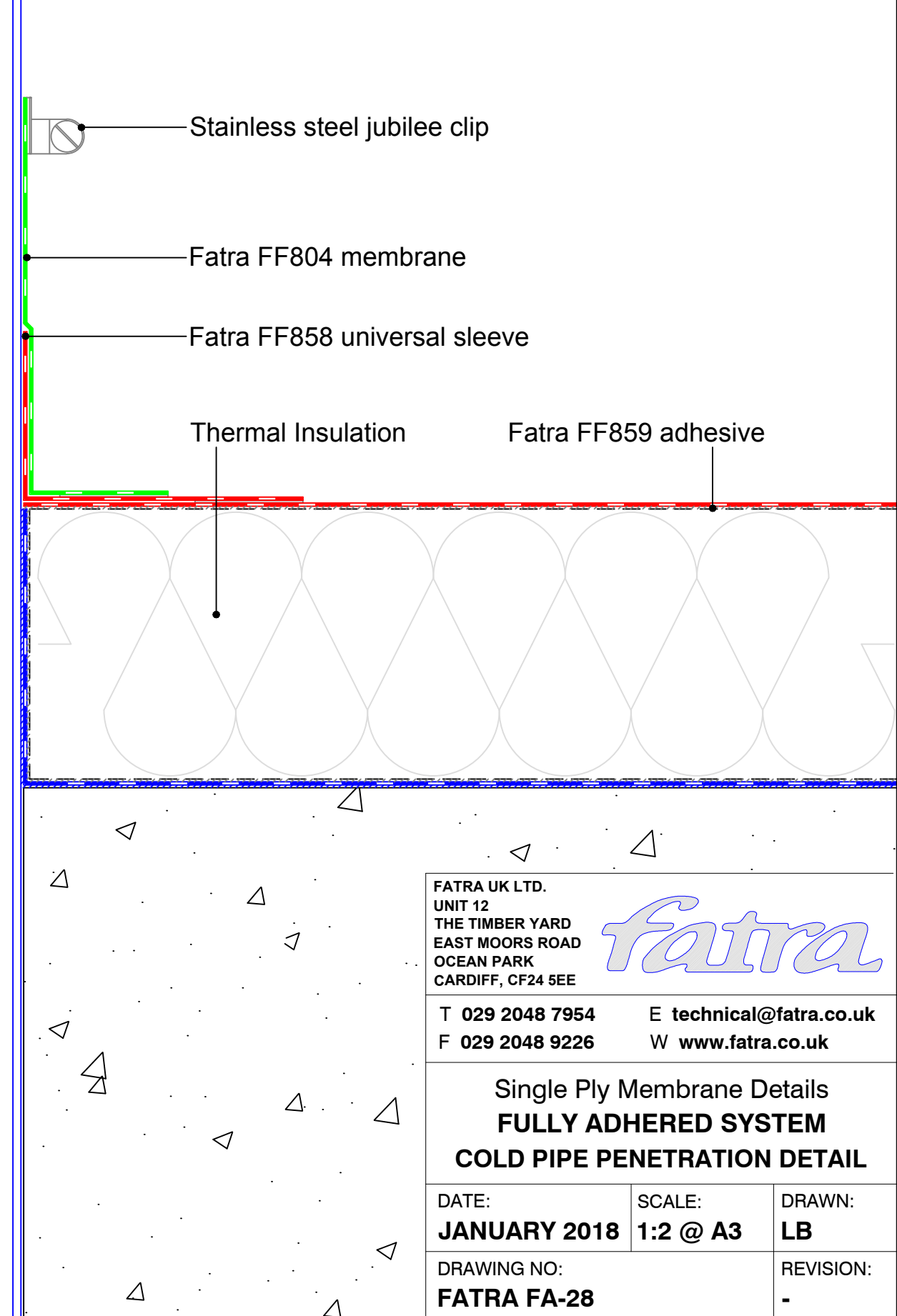
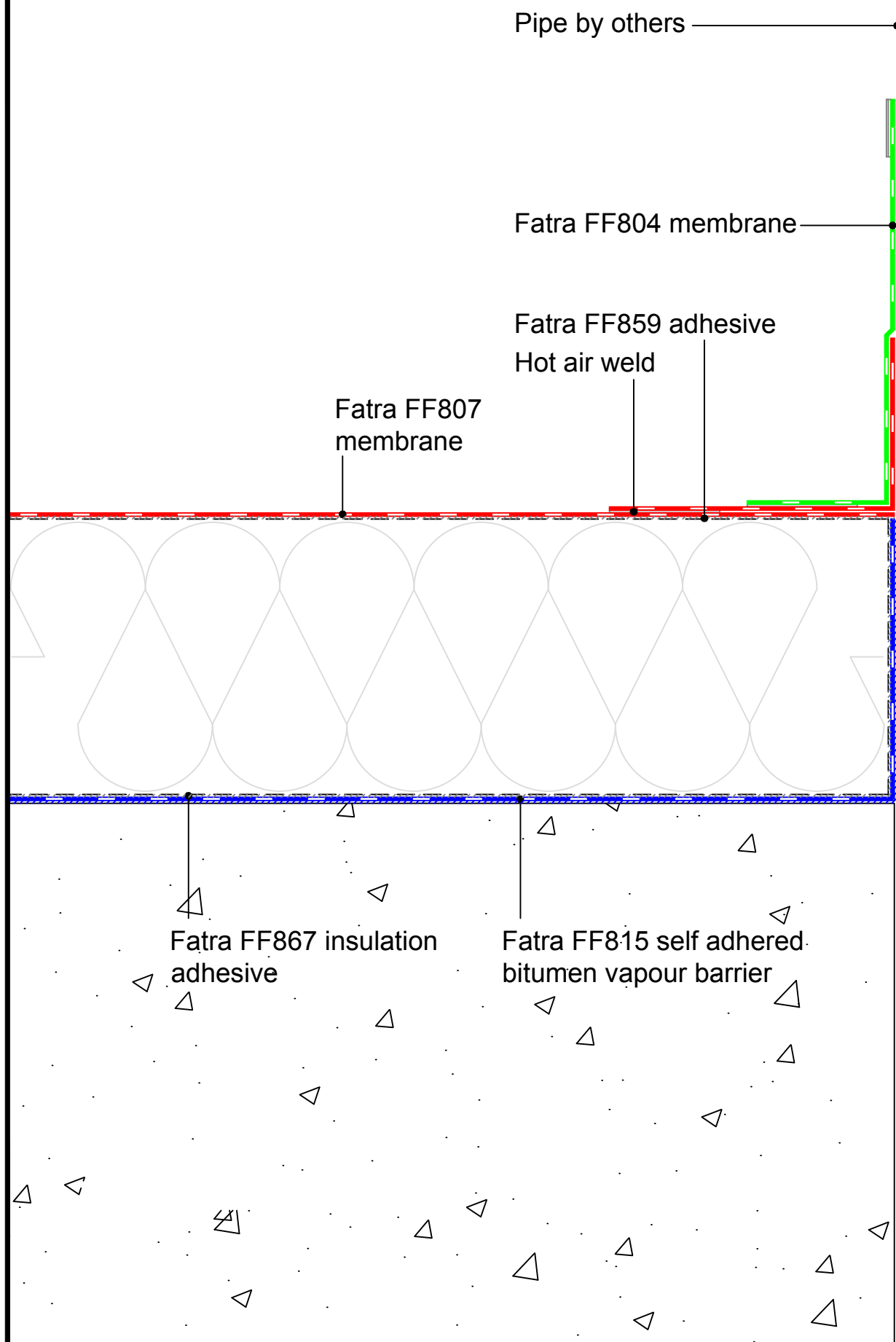
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**CABLE PENETRATION DETAIL**


DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-27</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Cold pipe penetration detail

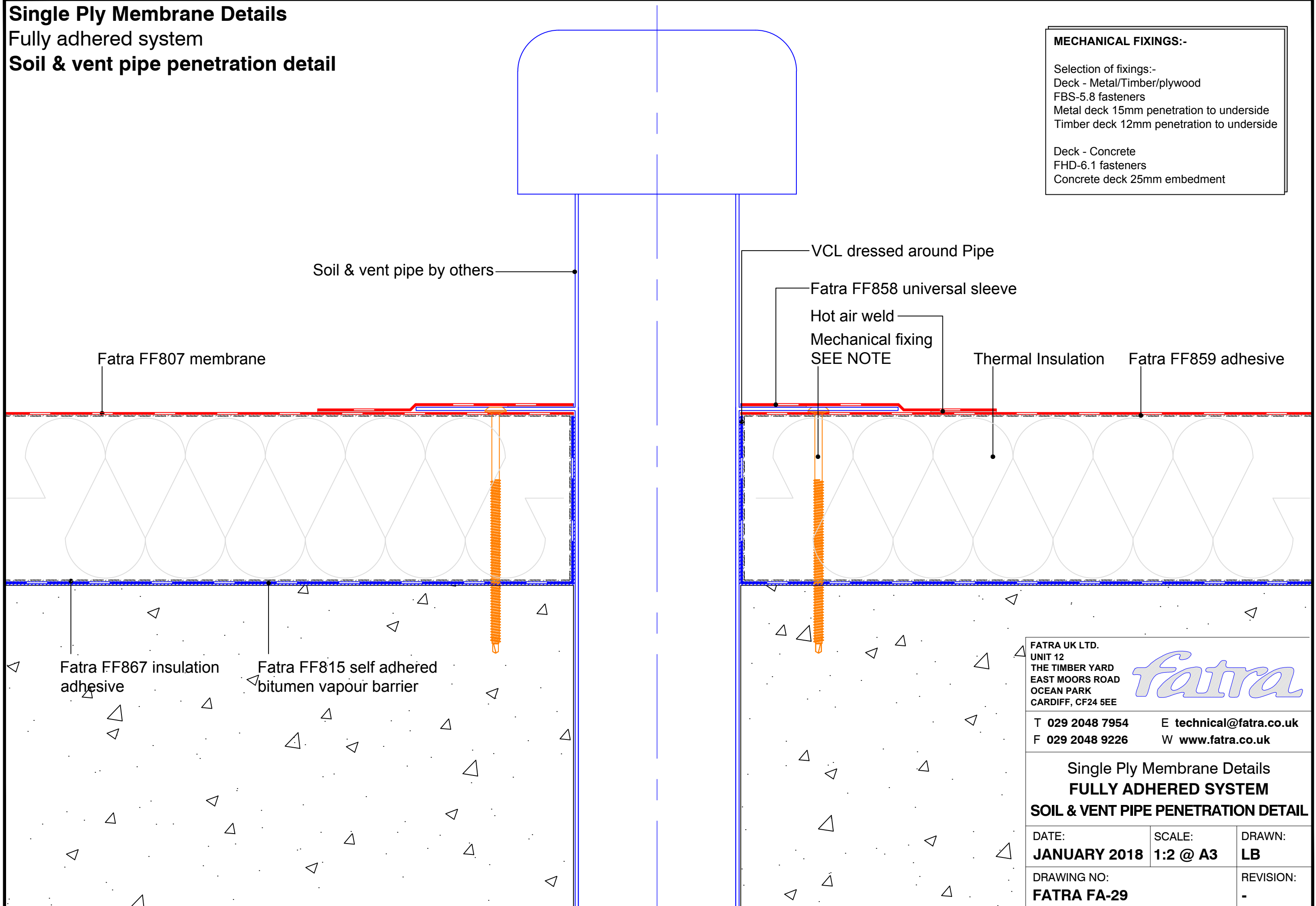


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<b>Single Ply Membrane Details</b> <b>FULLY ADHERED SYSTEM</b> <b>COLD PIPE PENETRATION DETAIL</b>		
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-28</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Soil & vent pipe penetration detail




**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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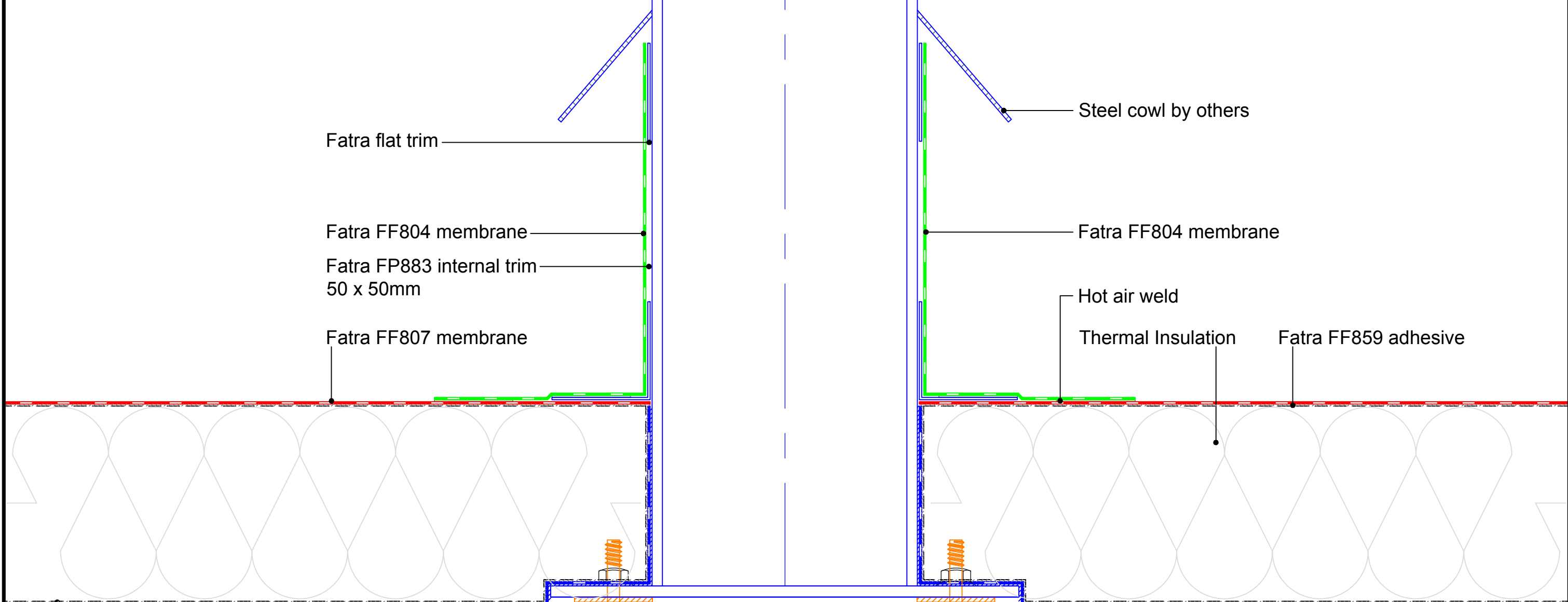
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SOIL & VENT PIPE PENETRATION DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-29</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Column penetration detail



Fatra flat trim

Fatra FF804 membrane

Fatra FP883 internal trim  
50 x 50mm

Fatra FF807 membrane

Column

Steel cowl by others

Fatra FF804 membrane

Hot air weld

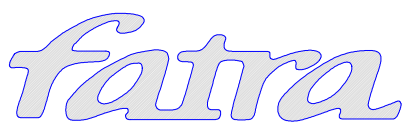
Thermal Insulation

Fatra FF859 adhesive

Fatra FF867 insulation  
adhesive

Fatra FF815 self adhered  
bitumen vapour barrier

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**COLUMN PENETRATION DETAIL**

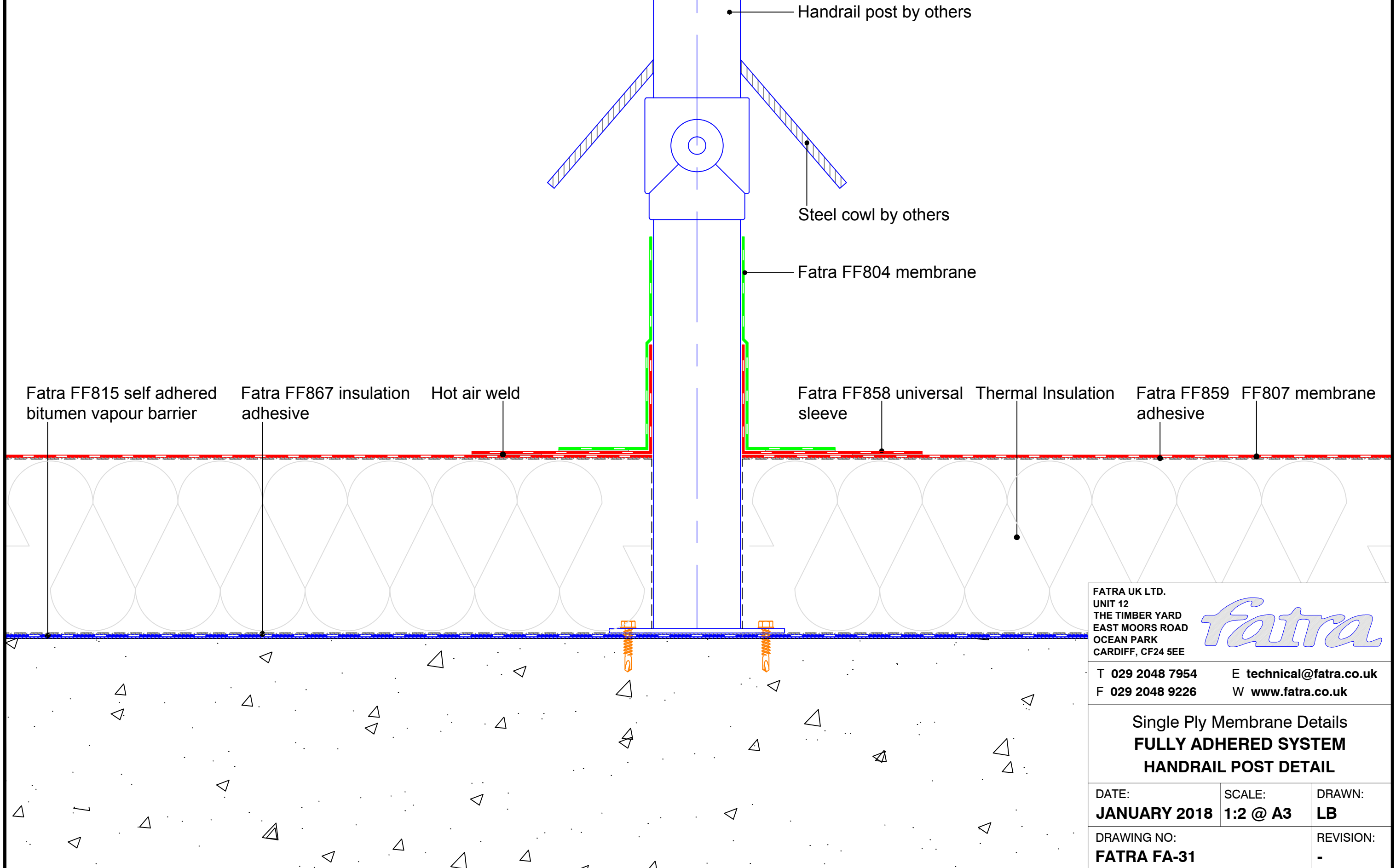
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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DRAWING NO: <b>FATRA FA-30</b>	REVISION: <b>-</b>
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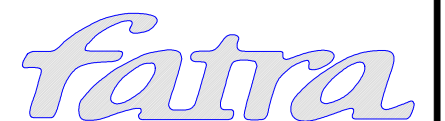
# Single Ply Membrane Details

Fully adhered system

## Handrail post detail



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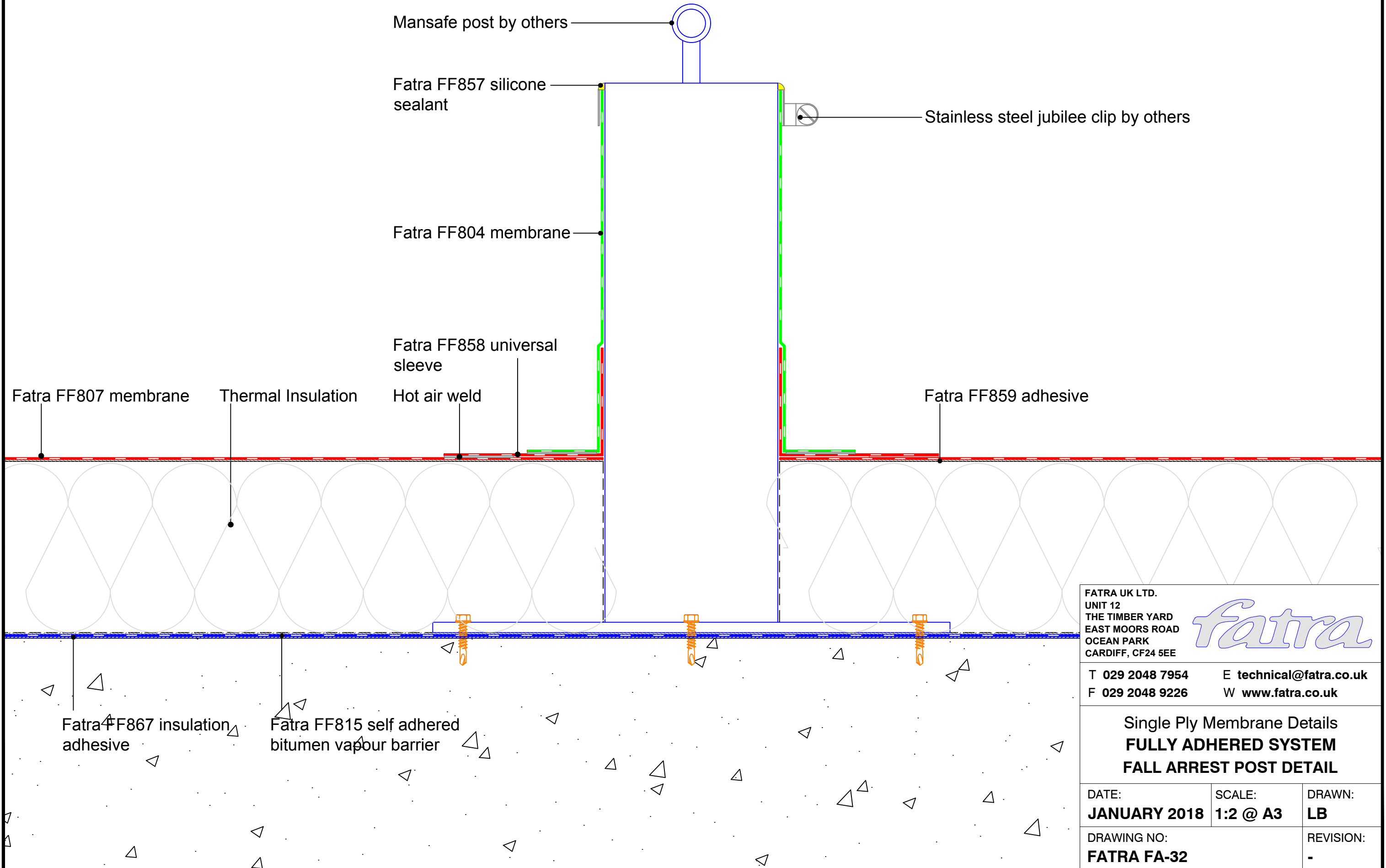
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**HANDRAIL POST DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-31</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

Fully adhered system

## Fall arrest post detail



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**FALL ARREST POST DETAIL**

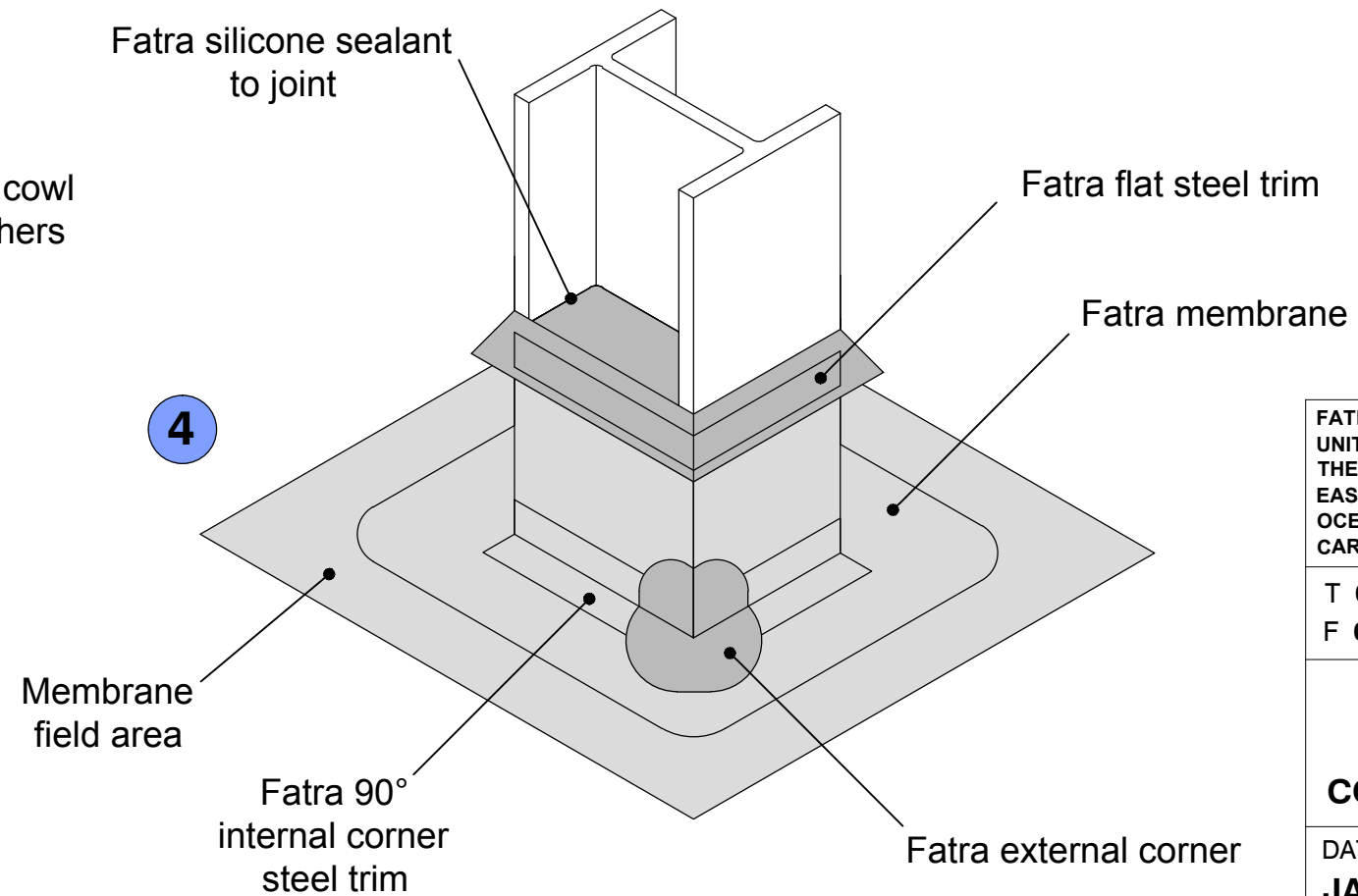
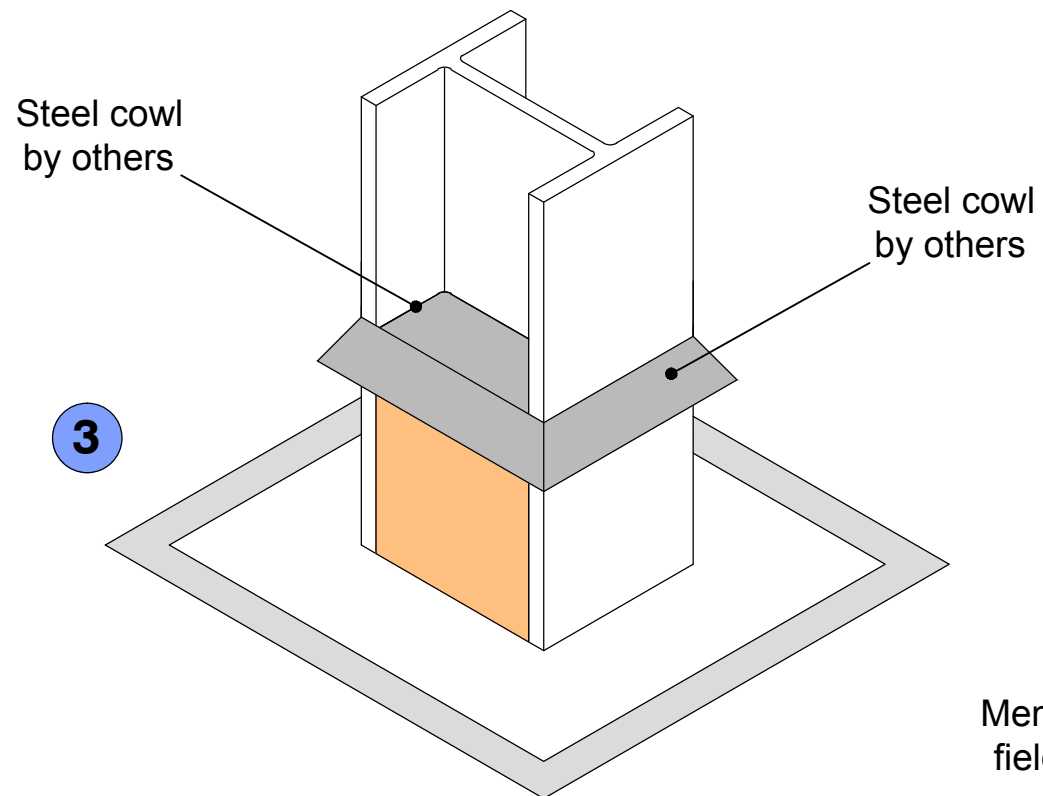
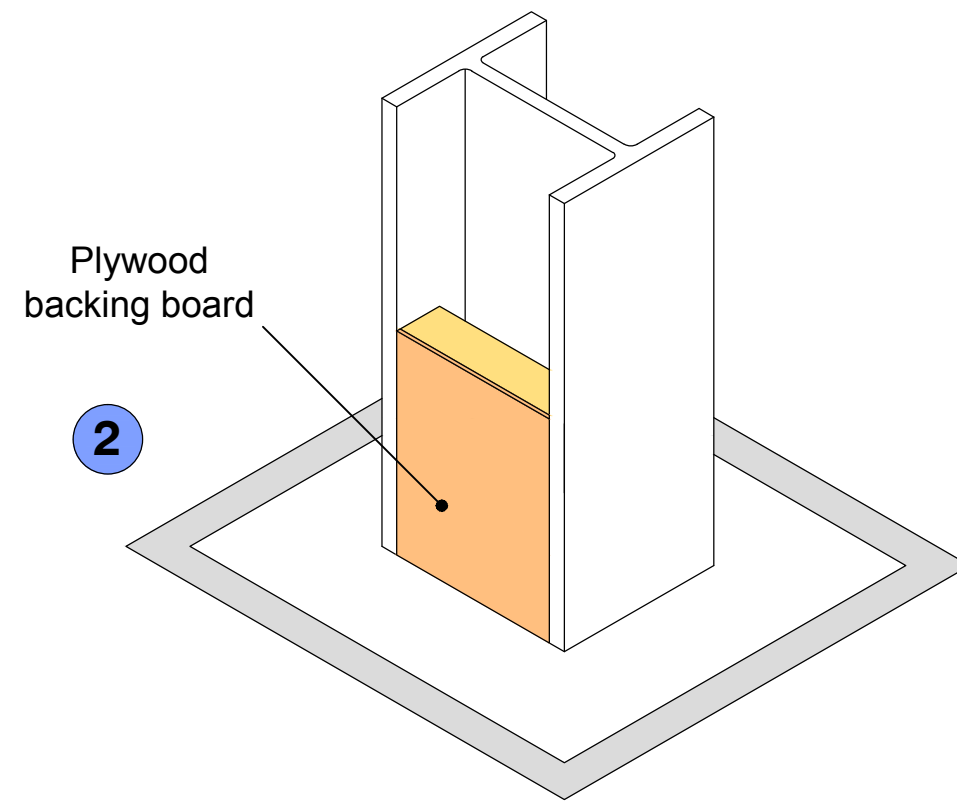
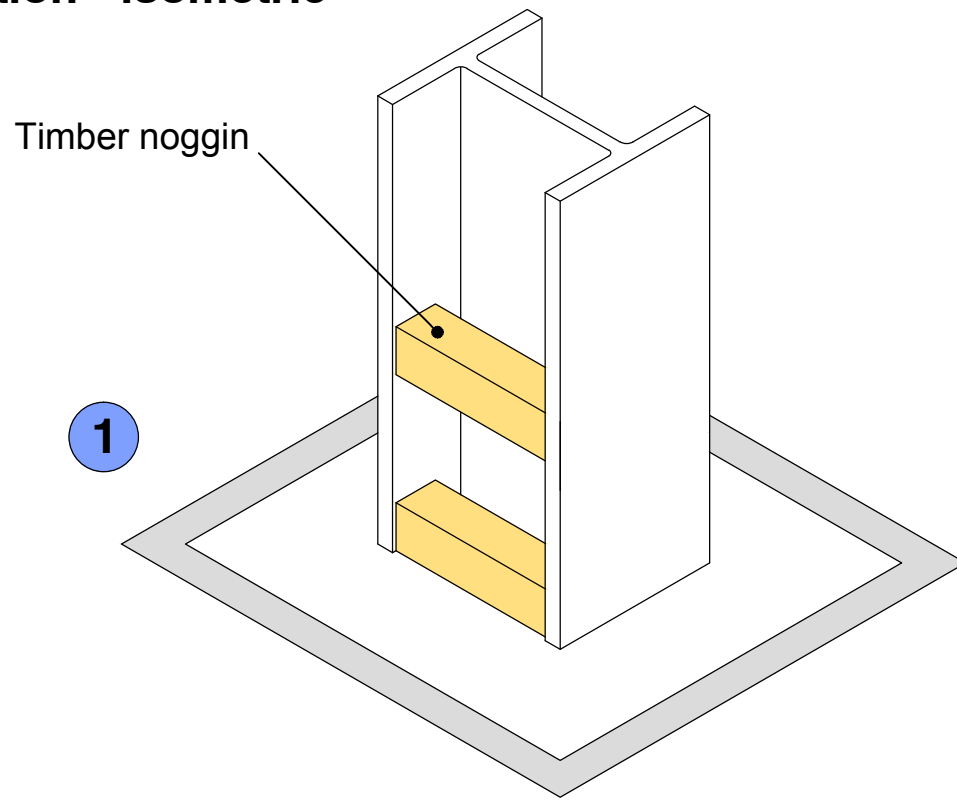
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-32</b>		REVISION: -



# Single Ply Membrane Details

Fully adhered system

## Column penetration - isometric



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**COLUMN PENETRATION ISOMETRIC**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-33**

REVISION:  
-

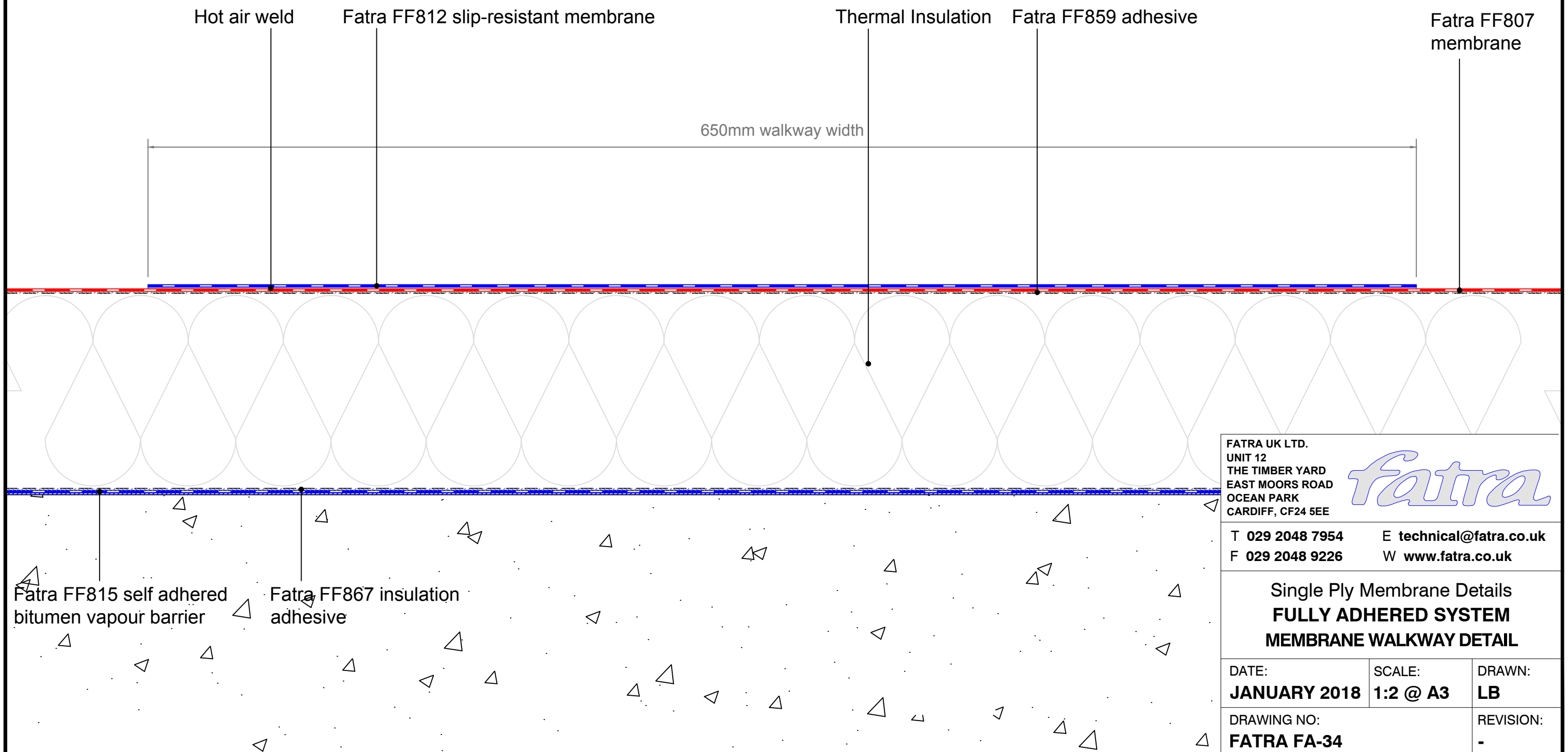
# Single Ply Membrane Details

Fully adhered system

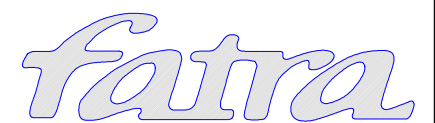
## Membrane walkway detail

### Construction Note

Galvanised steel walkway plate is only required when using mineral fibre Thermal Insulation boards.  
PIR / dense foam boards do not require the extra protection unless specified.



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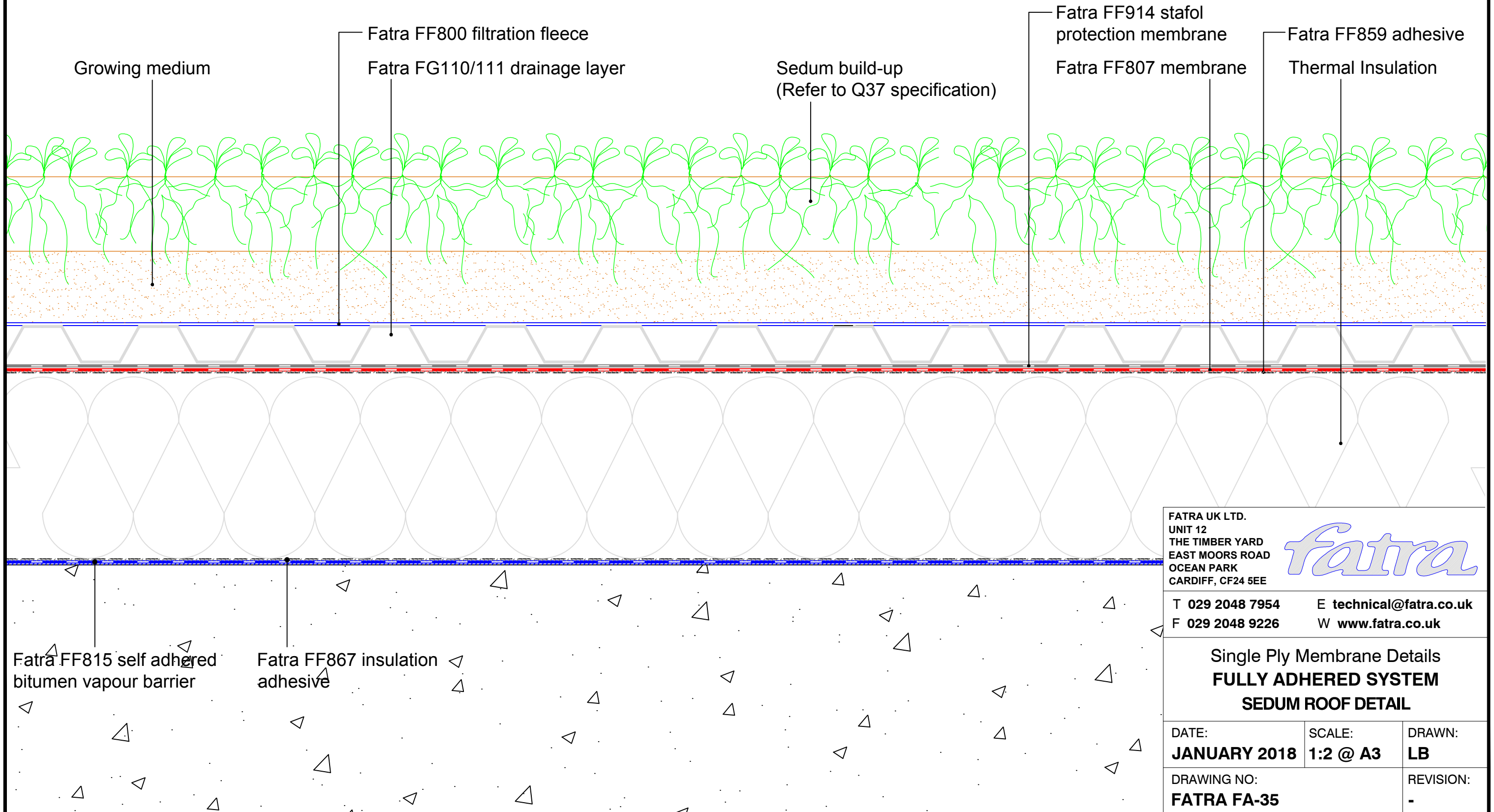
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**MEMBRANE WALKWAY DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-34</b>		REVISION: -

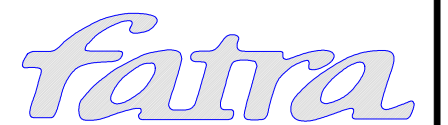
# Single Ply Membrane Details

Fully adhered system

## Sedum roof detail



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SEDUM ROOF DETAIL**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-35**

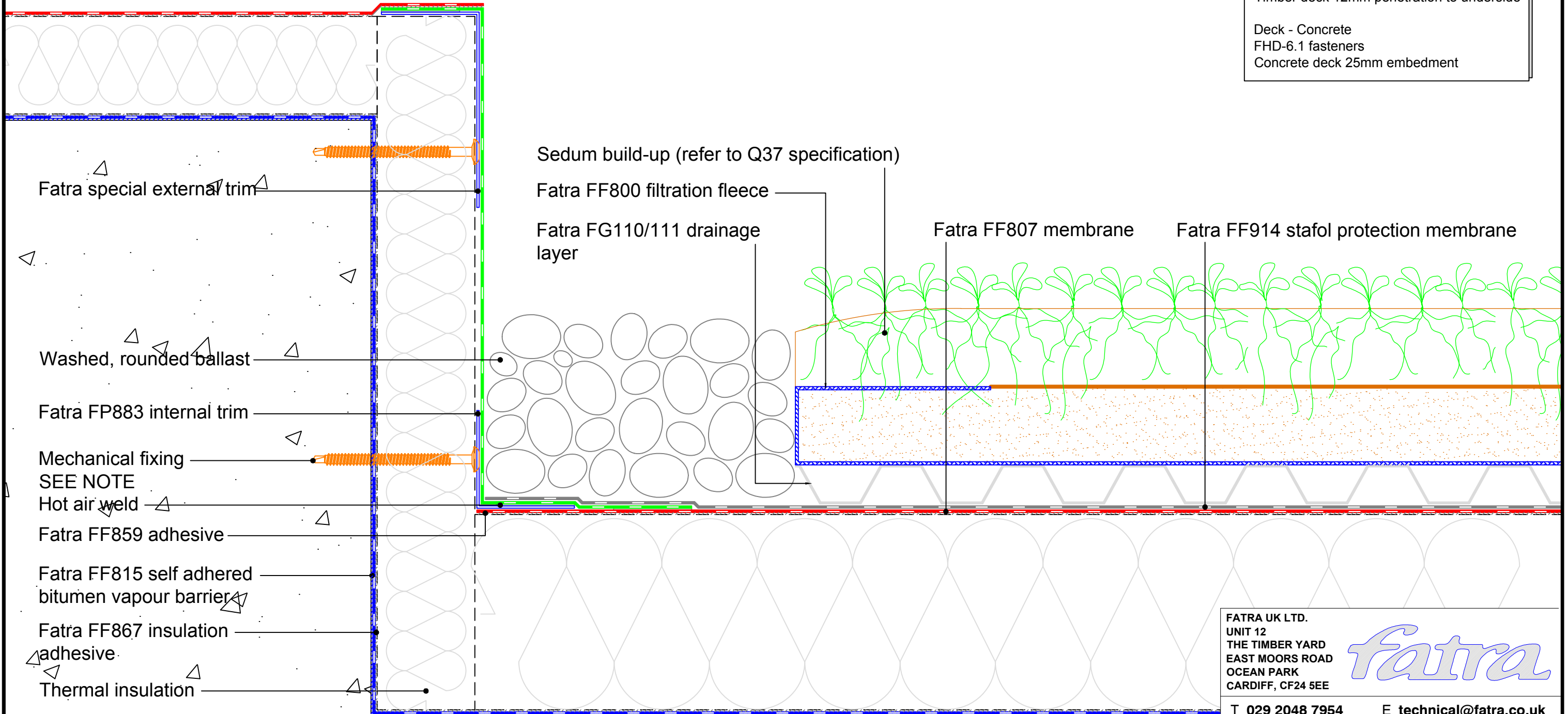
REVISION:  
**-**

**Single Ply Membrane Details**  
 Fully adhered system  
**Sedum roof with parapet detail**

**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



Sedum build-up (refer to Q37 specification)

Fatra FF800 filtration fleece

Fatra FG110/111 drainage layer

Fatra FF807 membrane

Fatra FF914 stapol protection membrane

Fatra special external trim

Washed, rounded ballast

Fatra FP883 internal trim

Mechanical fixing  
 SEE NOTE

Hot air weld

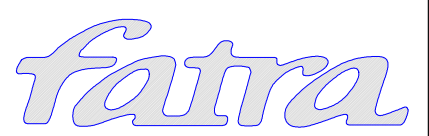
Fatra FF859 adhesive

Fatra FF815 self adhered  
 bitumen vapour barrier

Fatra FF867 insulation  
 adhesive

Thermal insulation

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SEDUM ROOF WITH PARAPET DETAIL**

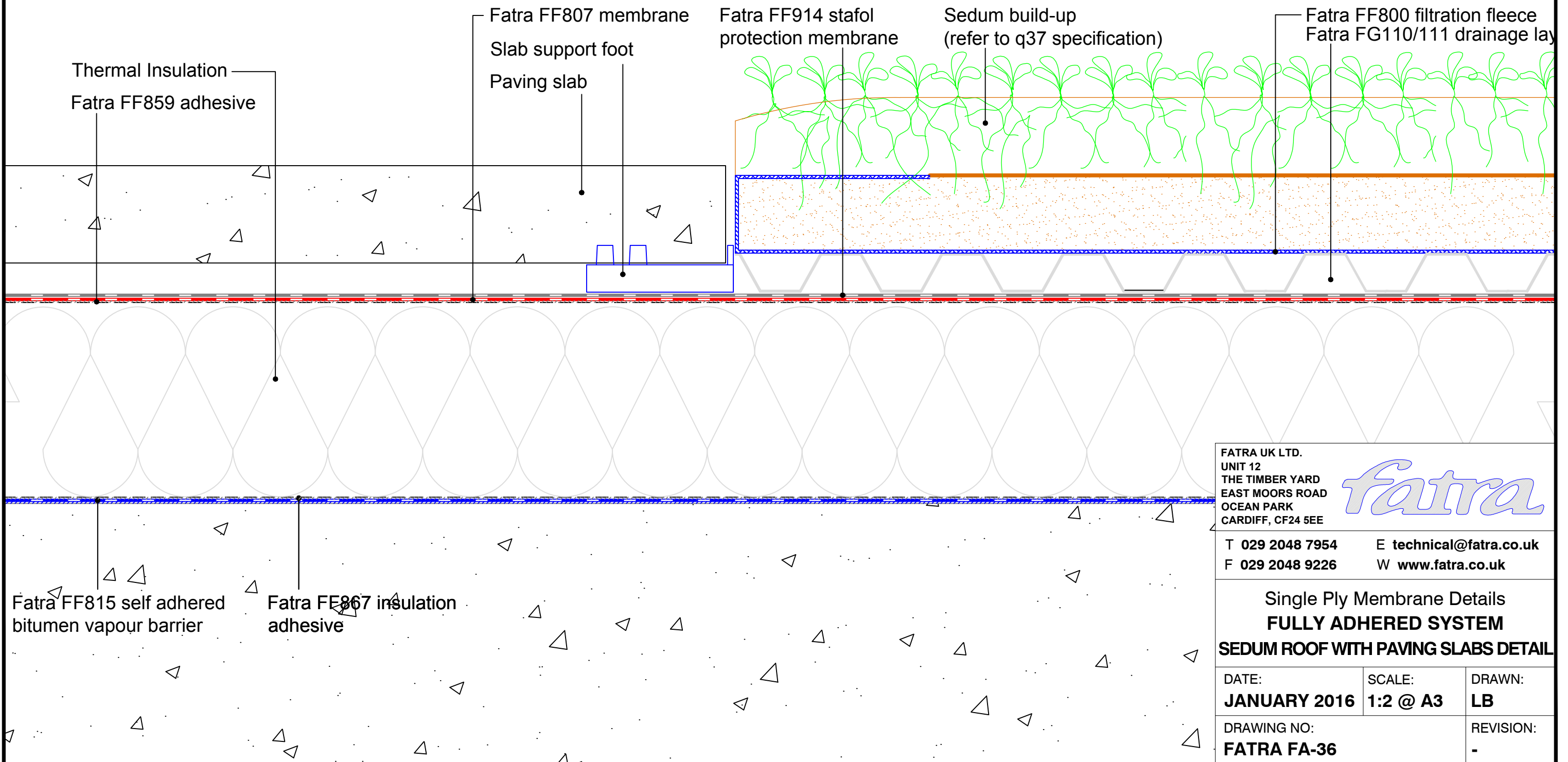
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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DRAWING NO: <b>FATRA FA-36</b>	REVISION: -
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# Single Ply Membrane Details

Fully adhered system

## Sedum roof with paving slabs detail



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F 029 2048 9226 W [www.fatra.co.uk](http://www.fatra.co.uk)

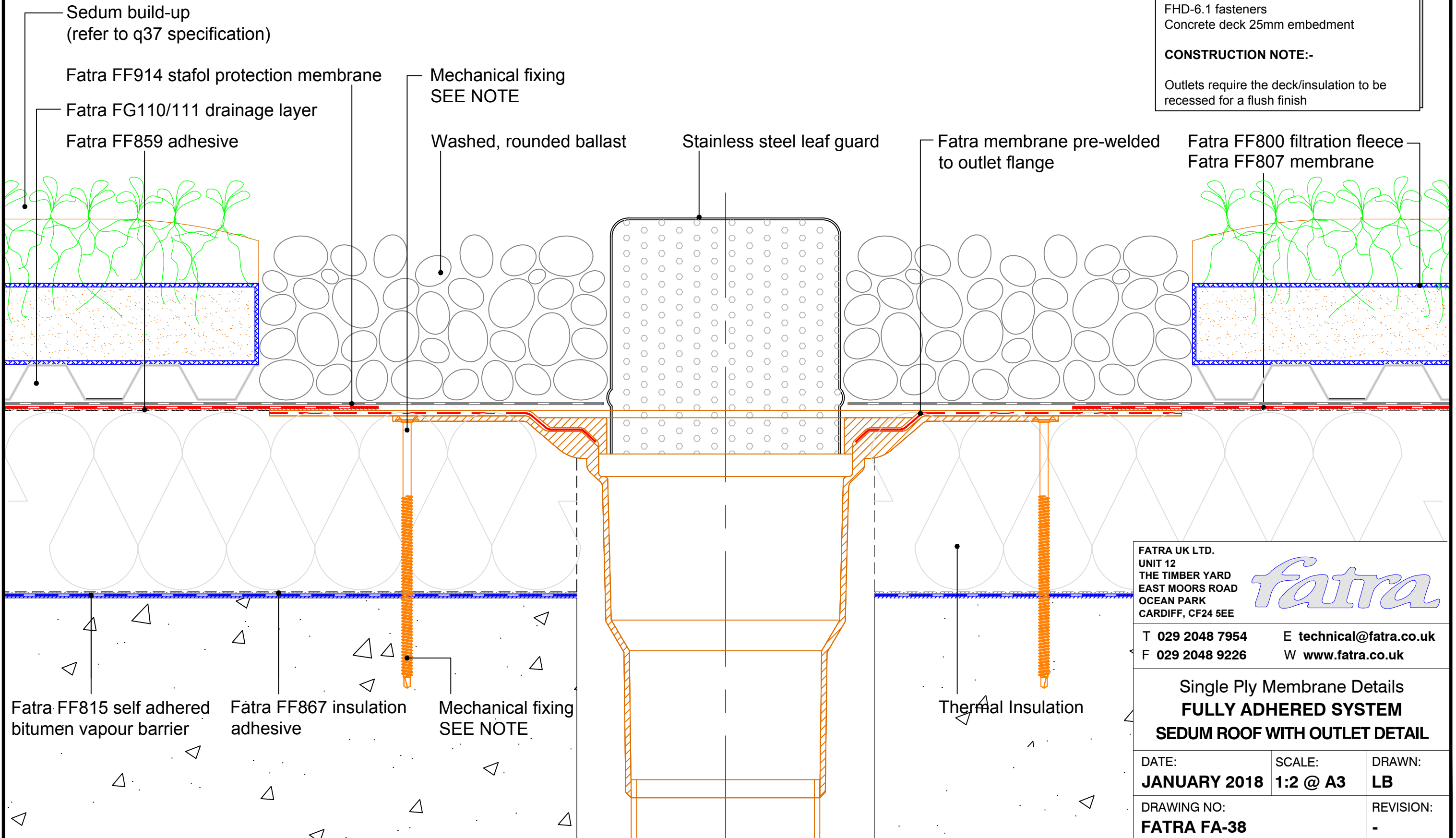
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SEDUM ROOF WITH PAVING SLABS DETAIL**

DATE: <b>JANUARY 2016</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-36</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Sedum roof with outlet detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

**CONSTRUCTION NOTE:-**

Outlets require the deck/insulation to be recessed for a flush finish

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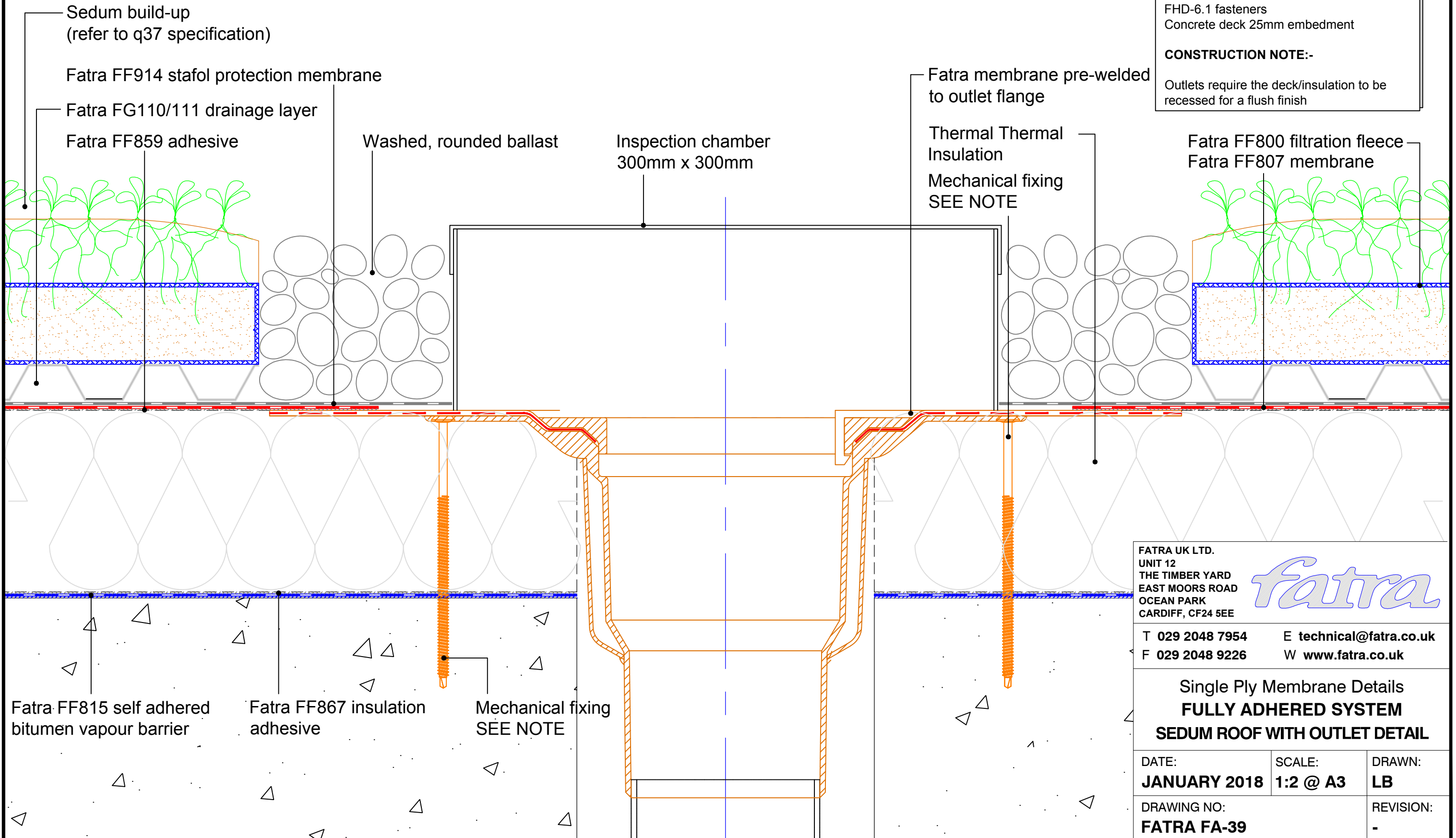
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SEDUM ROOF WITH OUTLET DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-38</b>		REVISION: -

# Single Ply Membrane Details

Fully adhered system

## Sedum roof with outlet detail



**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

**CONSTRUCTION NOTE:-**

Outlets require the deck/insulation to be recessed for a flush finish

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SEDUM ROOF WITH OUTLET DETAIL**

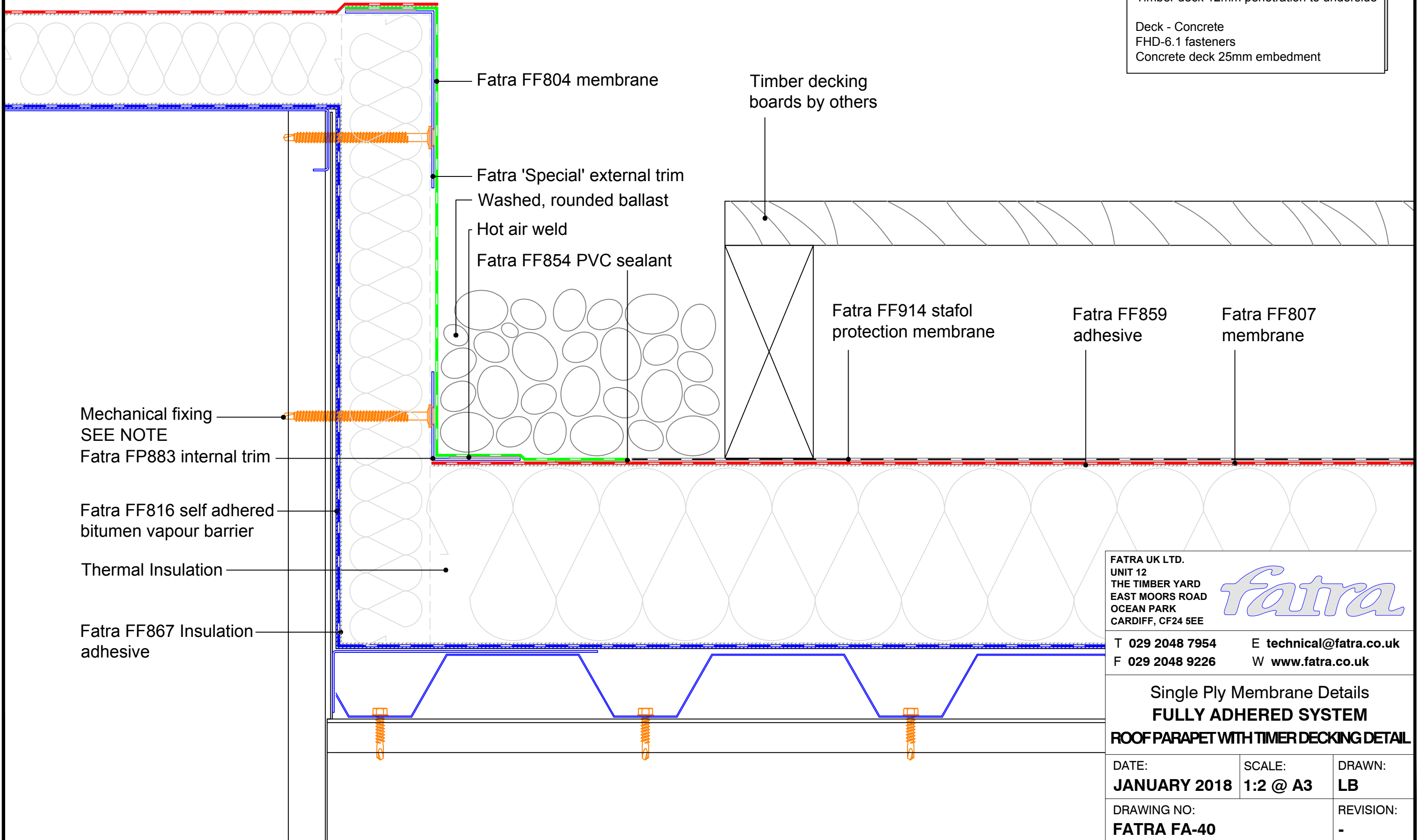
DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-39</b>		REVISION: -

**Single Ply Membrane Details**  
 Mechanically Fixed System  
**Roof parapet with timber decking detail**

**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment



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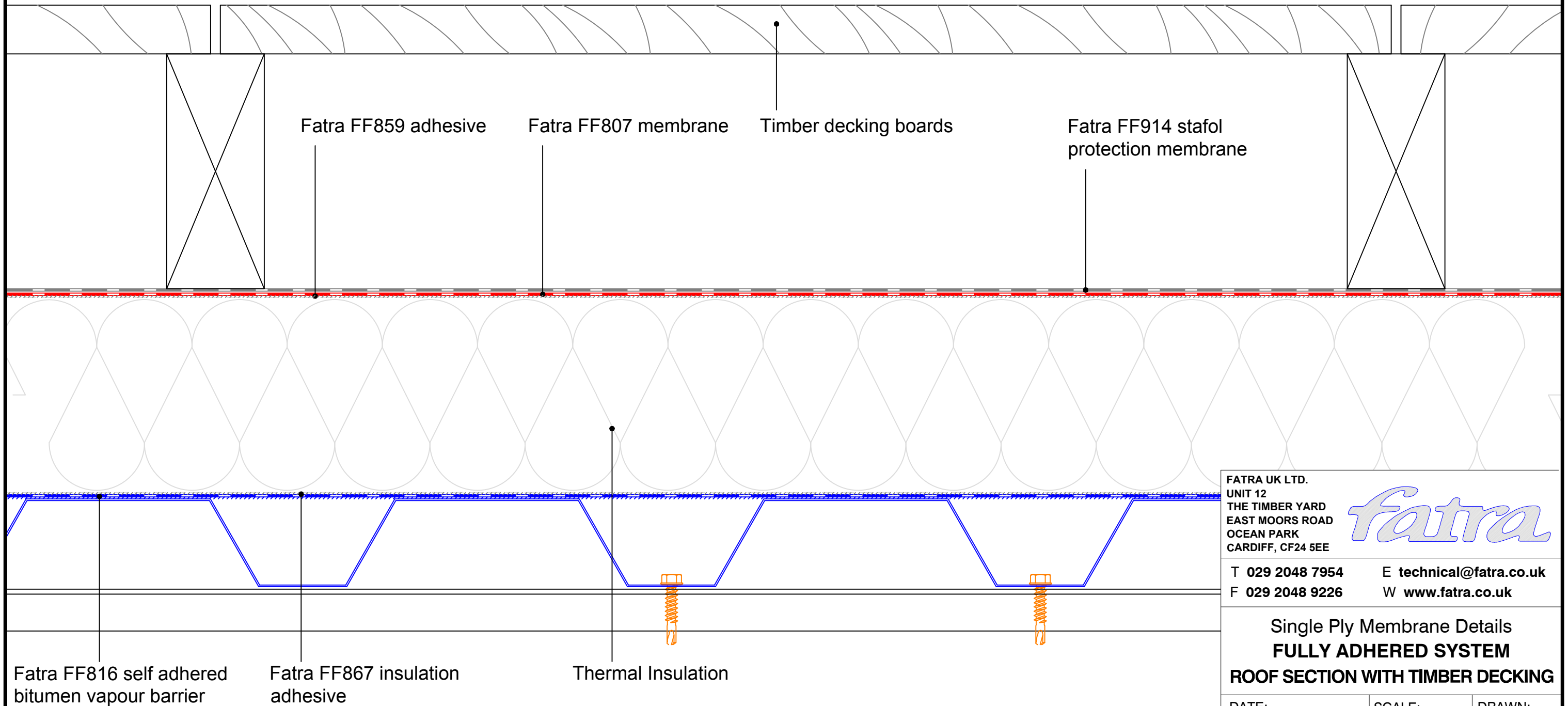
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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**ROOF PARAPET WITH TIMBER DECKING DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-40</b>		REVISION: <b>-</b>



**Single Ply Membrane Details**  
 Mechanically Fixed System  
**Roof section with timber decking**



Fatra FF816 self adhered bitumen vapour barrier

Fatra FF867 insulation adhesive

Thermal Insulation

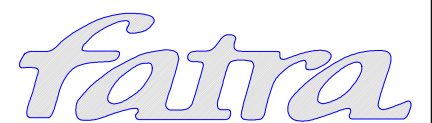
Fatra FF859 adhesive

Fatra FF807 membrane

Timber decking boards

Fatra FF914 stafol protection membrane

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**ROOF SECTION WITH TIMBER DECKING**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-41**

REVISION:  
 -

# Single Ply Membrane Details

Fully adhered system

## Mansard to tiled roof detail

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood

FBS-5.8 fasteners

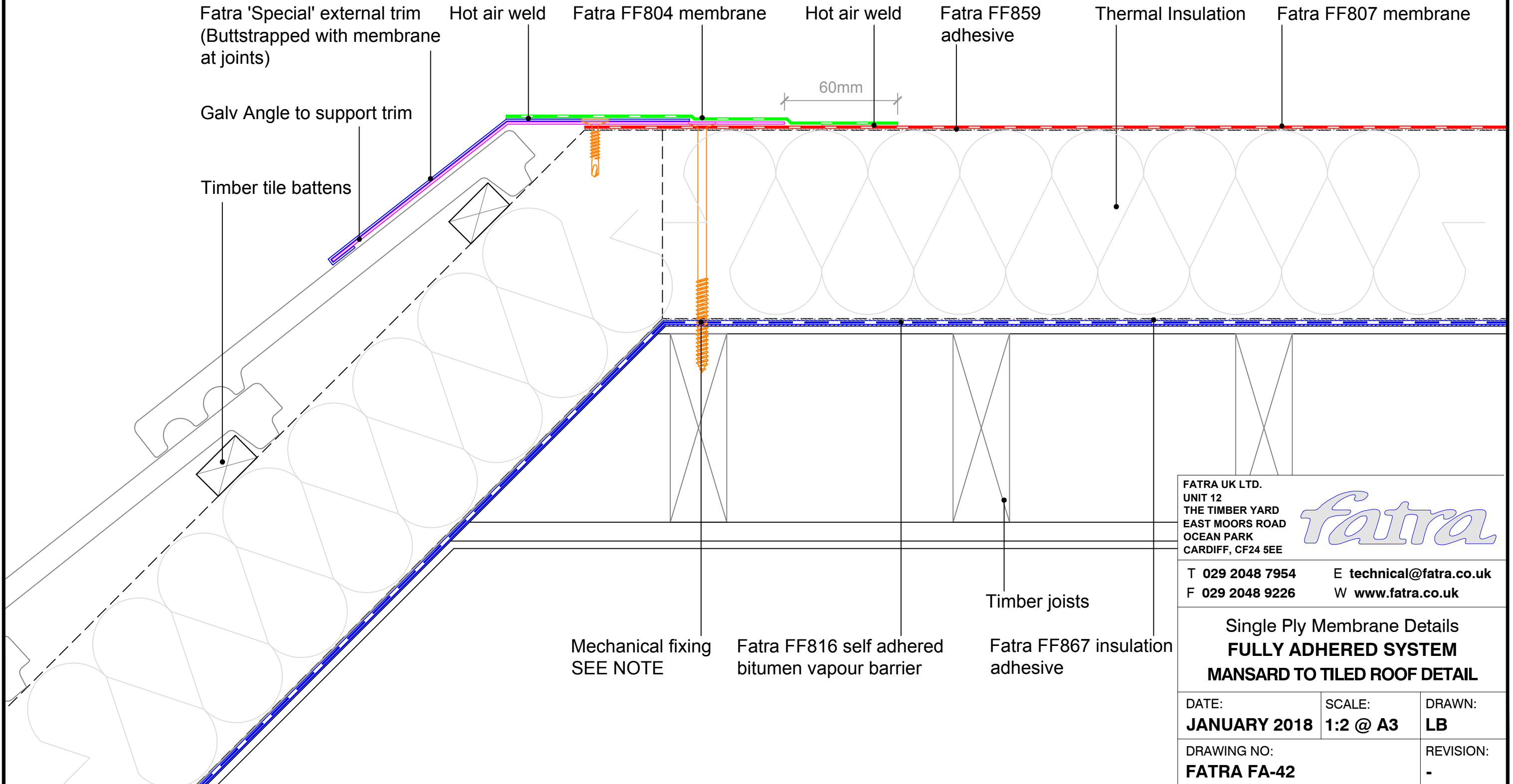
Metal deck 15mm penetration to underside

Timber deck 12mm penetration to underside

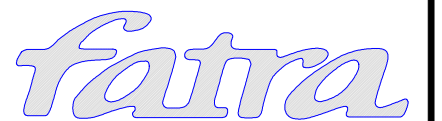
Deck - Concrete

FHD-6.1 fasteners

Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**MANSARD TO TILED ROOF DETAIL**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

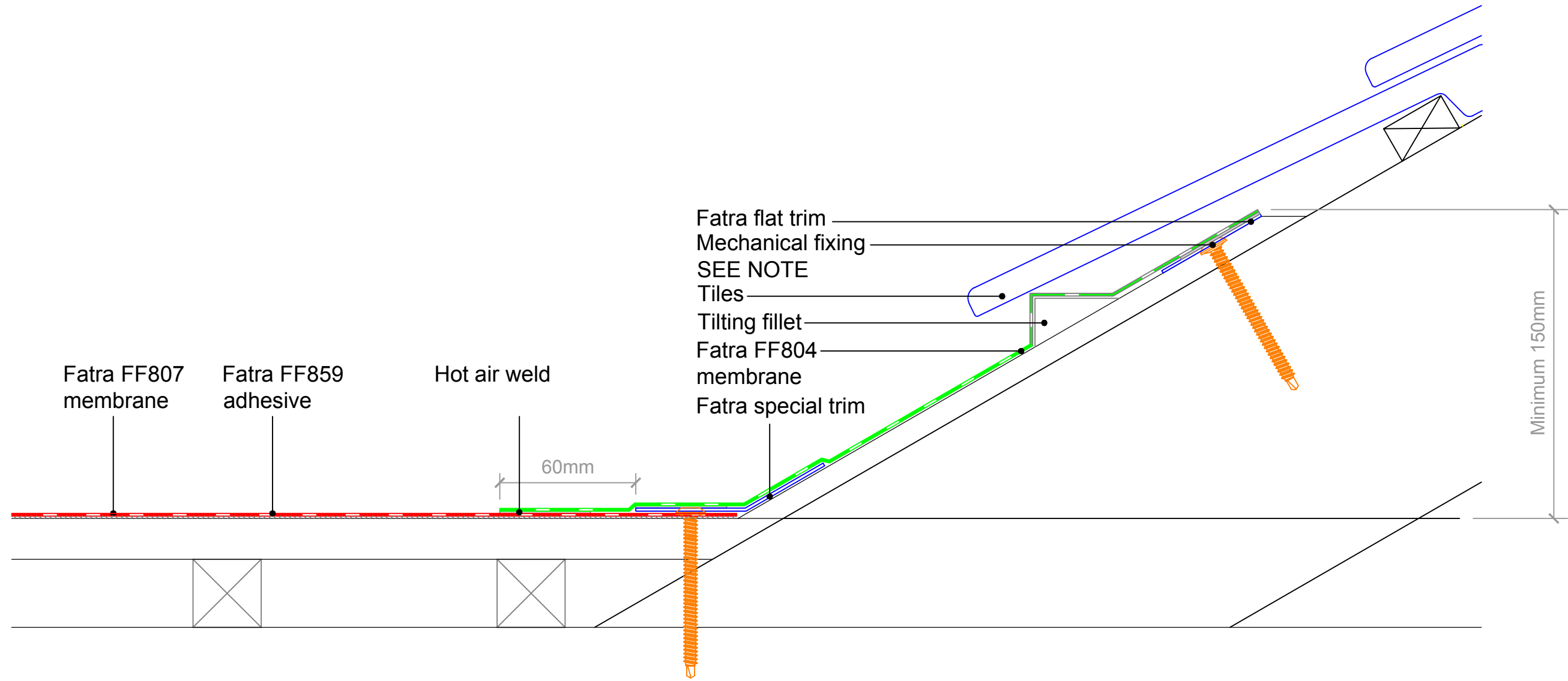
DRAWING NO:  
**FATRA FA-42**

REVISION:  
**-**

# Single Ply Membrane Details

Fully adhered system

Upstand to pitched tiles

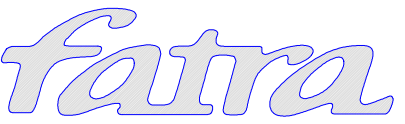


**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**UPSTAND TO PITCHED TILES**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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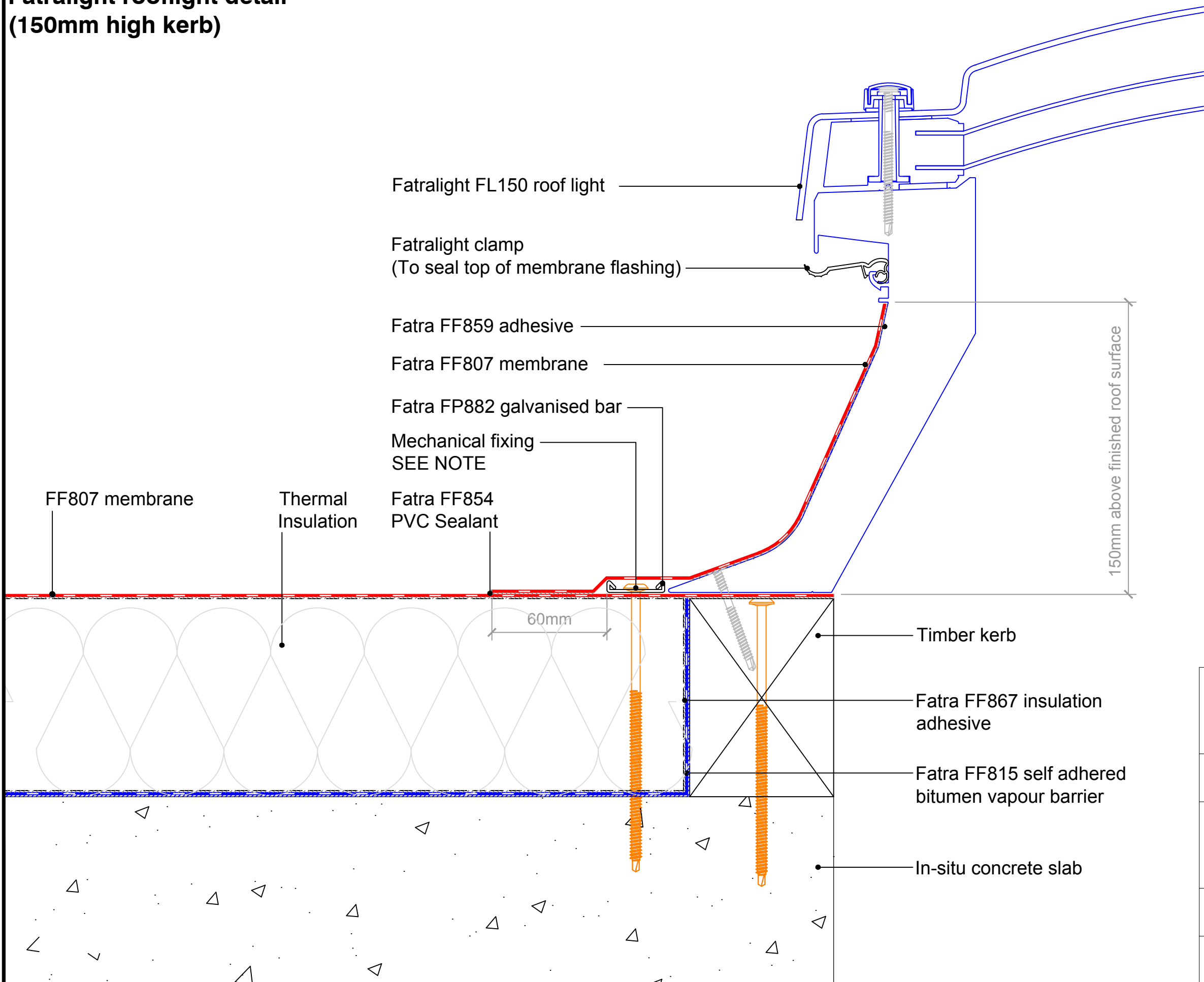
DRAWING NO: <b>FATRA FA-43</b>	REVISION: -
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# Single Ply Membrane Details

Fully Adhered System

## Fatralight rooflight detail

(150mm high kerb)




**MECHANICAL FIXINGS:-**

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**FATRALIGHT ROOFLIGHT DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
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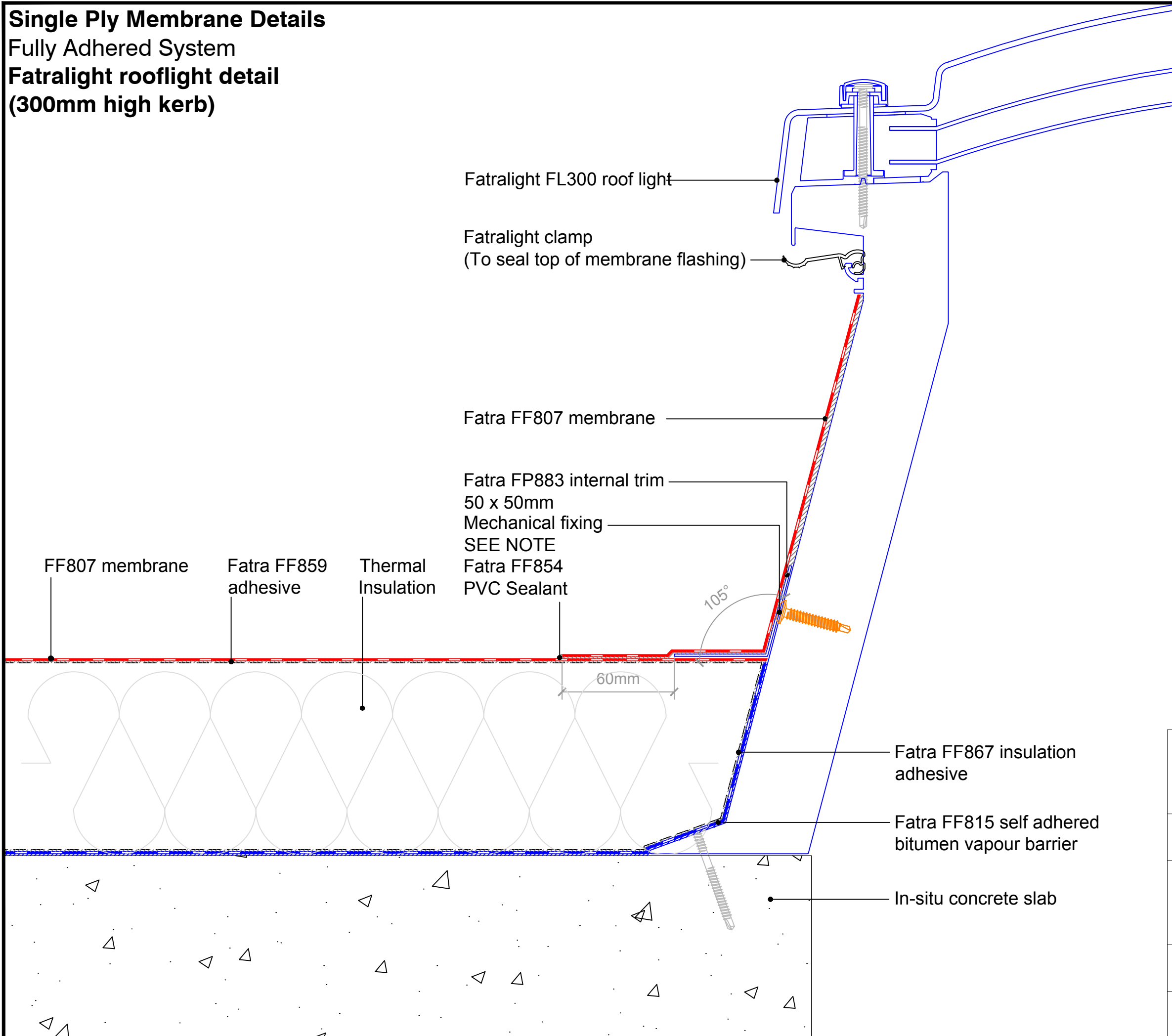
DRAWING NO: <b>FATRA FA-44</b>	REVISION: -
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# Single Ply Membrane Details

Fully Adhered System

## Fatralight rooflight detail


(300mm high kerb)



### MECHANICAL FIXINGS:-

- Selection of fixings:-
- Deck - Metal/Timber/plywood
- FBS-5.8 fasteners
- Metal deck 15mm penetration to underside
- Timber deck 12mm penetration to underside
  
- Deck - Concrete
- FHD-6.1 fasteners
- Concrete deck 25mm embedment

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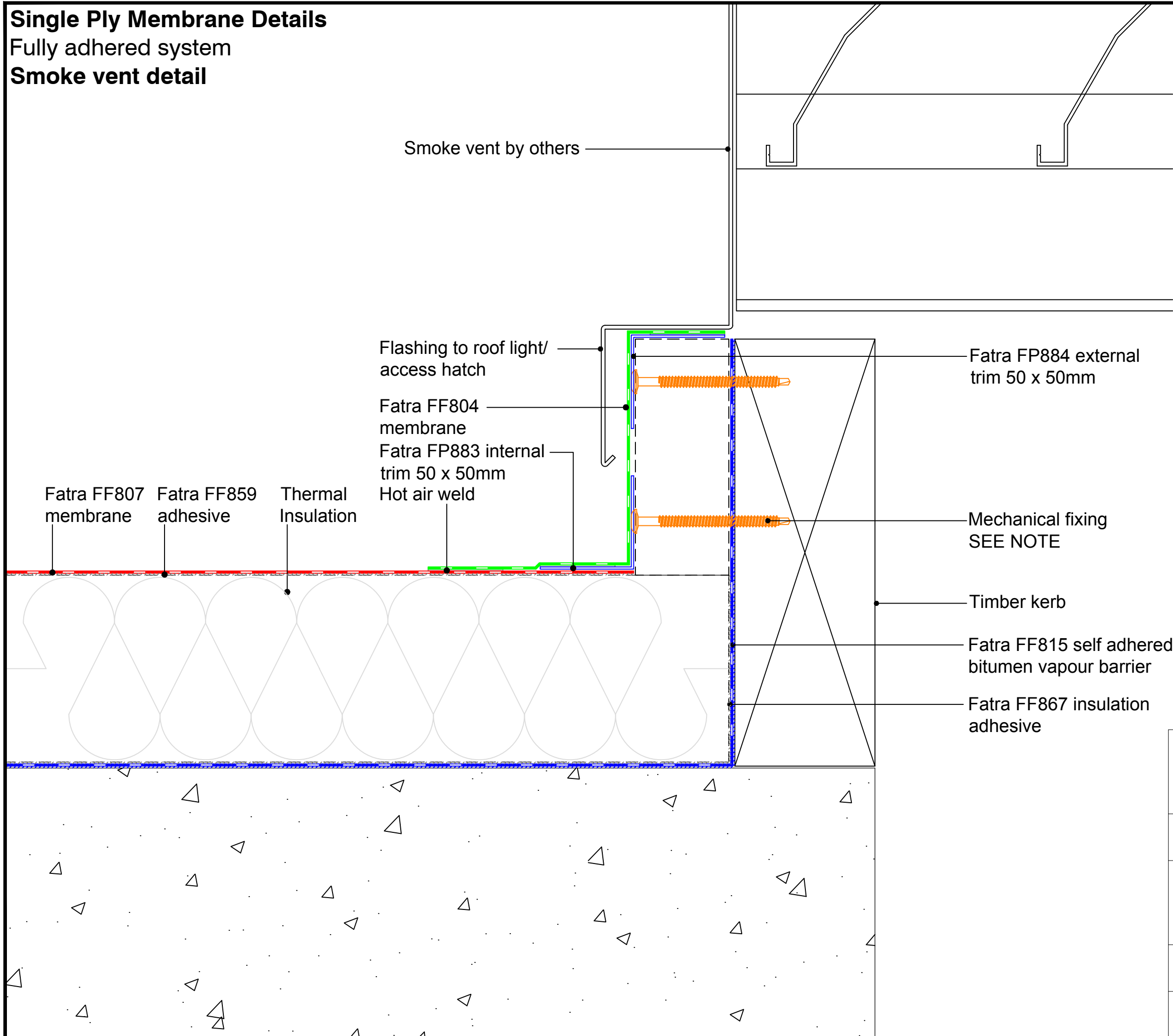
Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**FATRALIGHT ROOFLIGHT DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-45</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

Fully adhered system

## Smoke vent detail

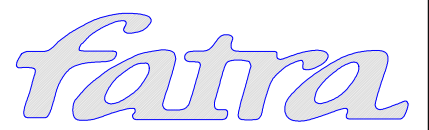


### MECHANICAL FIXINGS:-

Selection of fixings:-  
 Deck - Metal/Timber/plywood  
 FBS-5.8 fasteners  
 Metal deck 15mm penetration to underside  
 Timber deck 12mm penetration to underside

Deck - Concrete  
 FHD-6.1 fasteners  
 Concrete deck 25mm embedment

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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**SMOKE VENT DETAIL**

DATE: <b>JANUARY 2018</b>	SCALE: <b>1:2 @ A3</b>	DRAWN: <b>LB</b>
DRAWING NO: <b>FATRA FA-46</b>		REVISION: <b>-</b>

# Single Ply Membrane Details

Fully adhered system

## Duct penetration detail

### MECHANICAL FIXINGS:-

Selection of fixings:-

Deck - Metal/Timber/plywood

FBS-5.8 fasteners

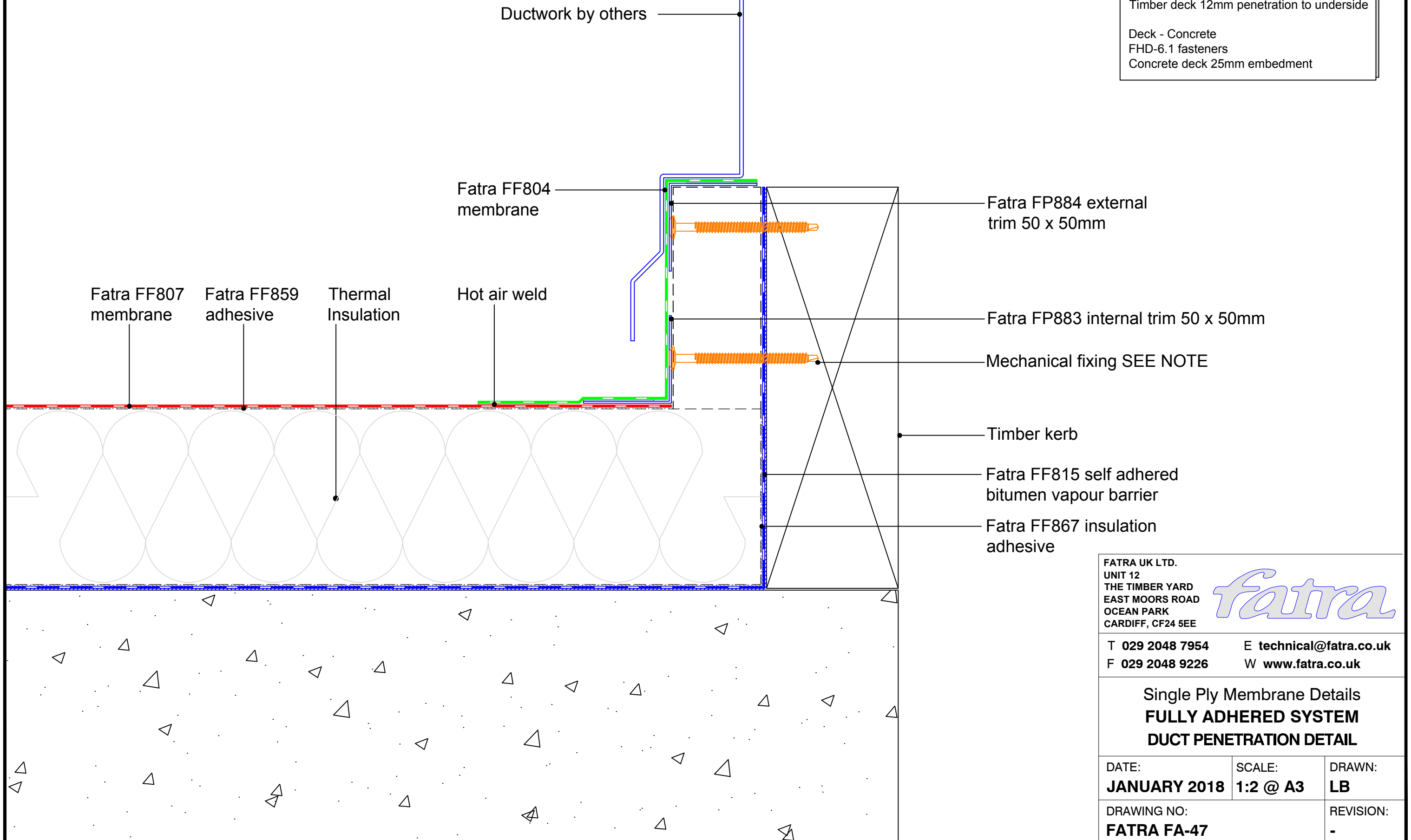
Metal deck 15mm penetration to underside

Timber deck 12mm penetration to underside

Deck - Concrete

FHD-6.1 fasteners

Concrete deck 25mm embedment



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Single Ply Membrane Details  
**FULLY ADHERED SYSTEM**  
**DUCT PENETRATION DETAIL**

DATE:  
**JANUARY 2018**

SCALE:  
**1:2 @ A3**

DRAWN:  
**LB**

DRAWING NO:  
**FATRA FA-47**

REVISION:  
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