

— PHOTOVOLTAIC —

# GSE IN-ROOF SYSTEM™

In-Roof Integrated PV system for Photovoltaic Panels

Battening plans for  
Landscape and Portrait frames



**GSE**  
Intégration

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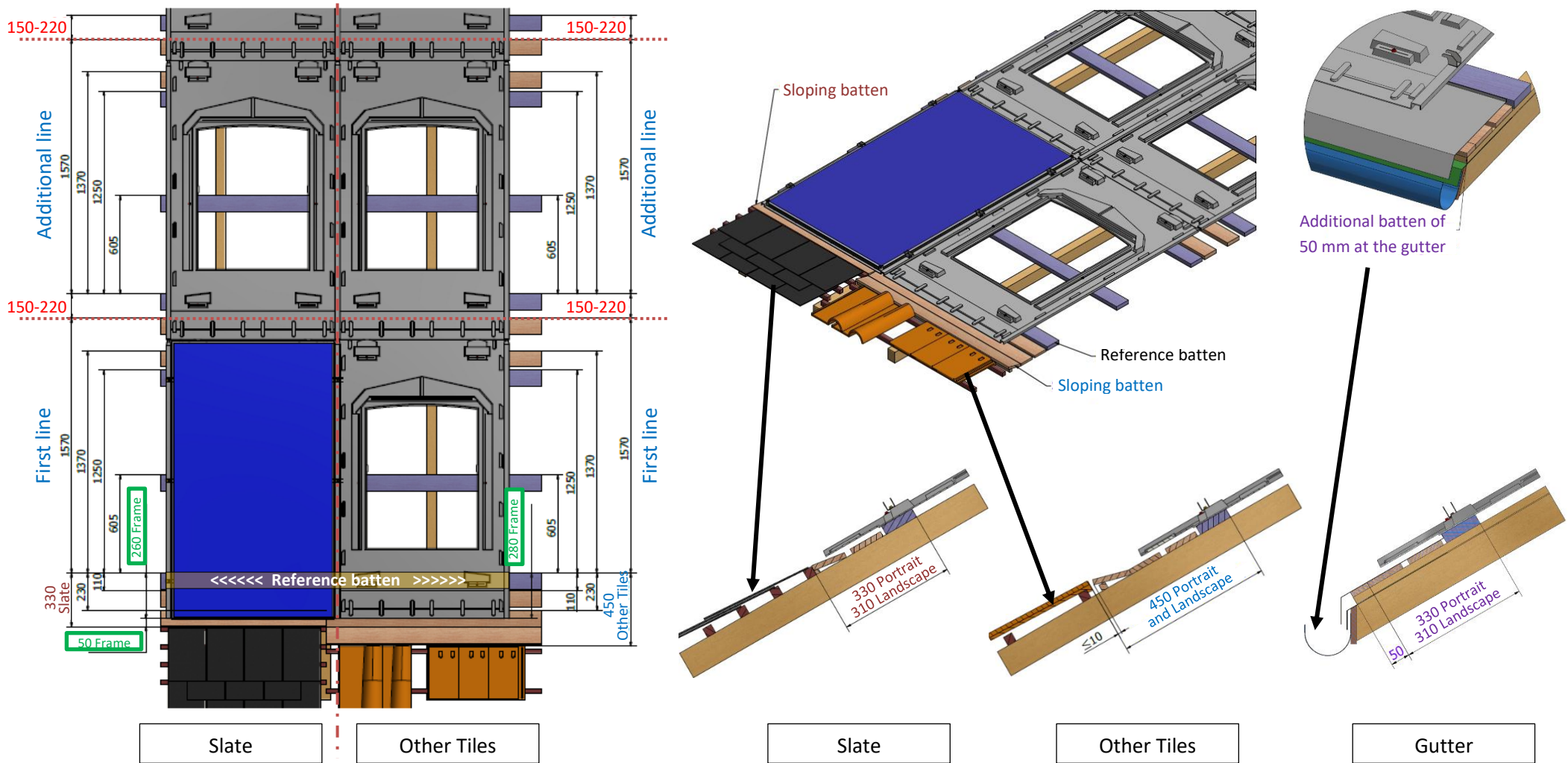
# Battening Plan – Table of contents

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# Battening Plan – Position of the reference batten



- The reference batten is positioned first, with specific distance from the tiles at the bottom of the photovoltaic field.
- For slates, do not add the batten at the bottom of the field.
- For the other tiles, add the additional sloping batten in order to perform coupling with the curved tiles.
- For the gutter, add an additional batten of 50 mm at the bottom to move up the PV field.
- Position the first frame with the with help of the dimensions highlighted in green.

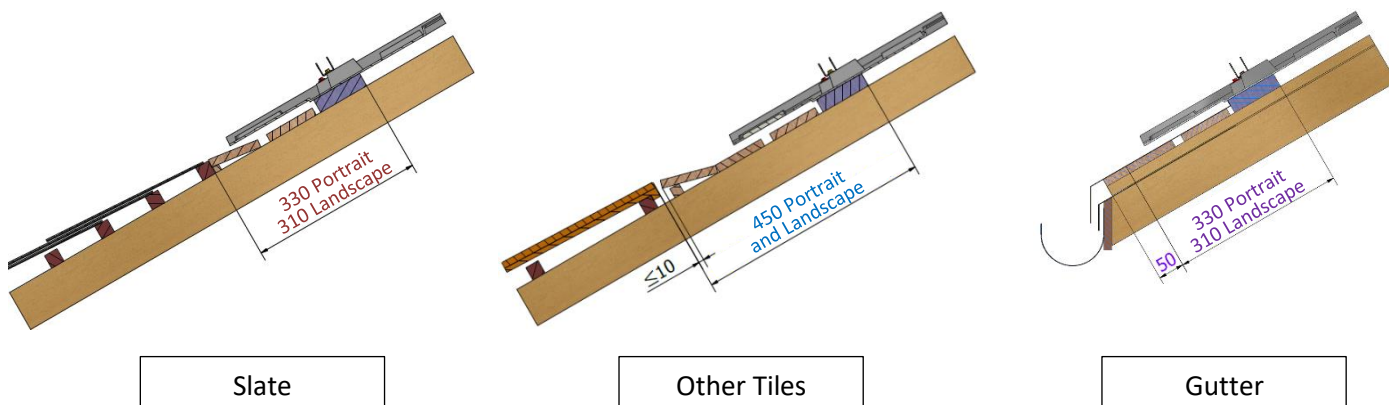
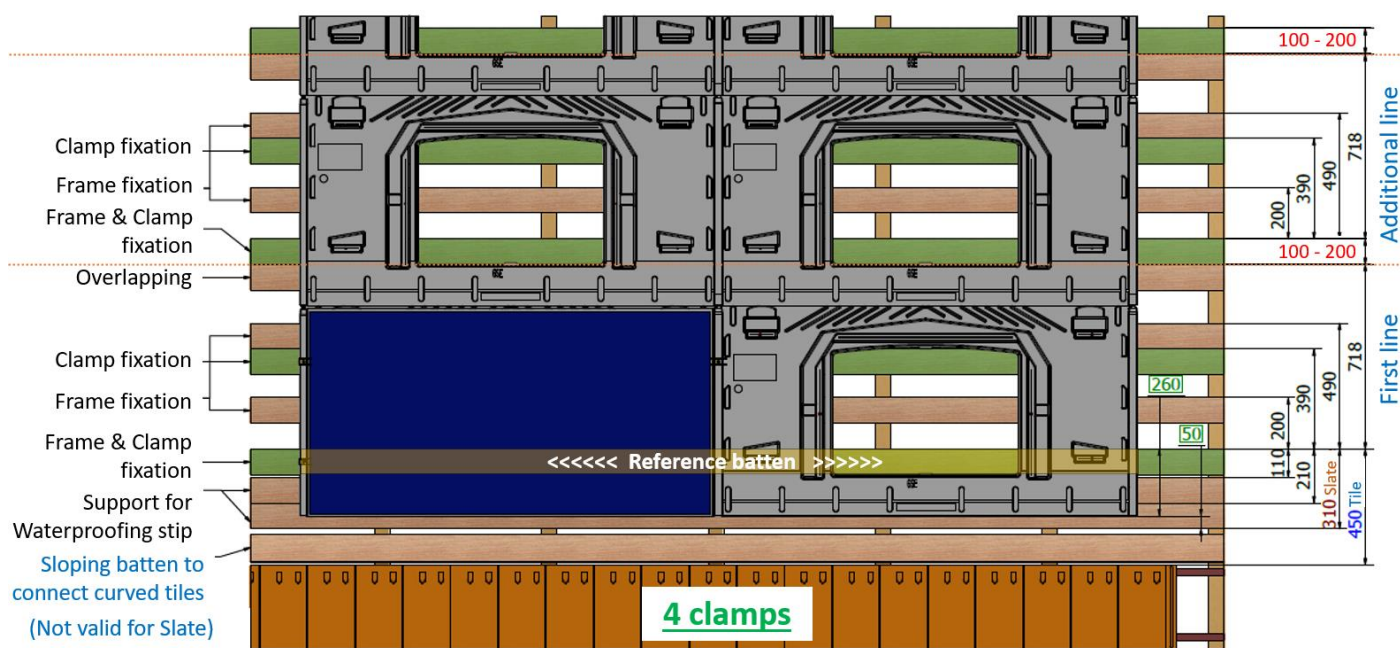
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# Battening plans for Landscape frames

# Battening Plan – Landscape Frame H808

H808 – 4 Clamps GSE frame references :  
1580/808



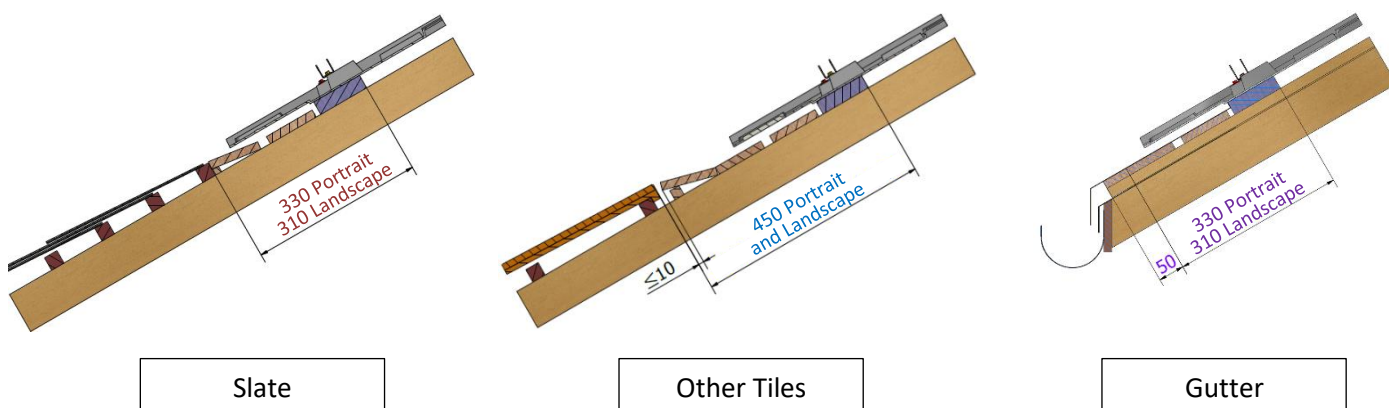
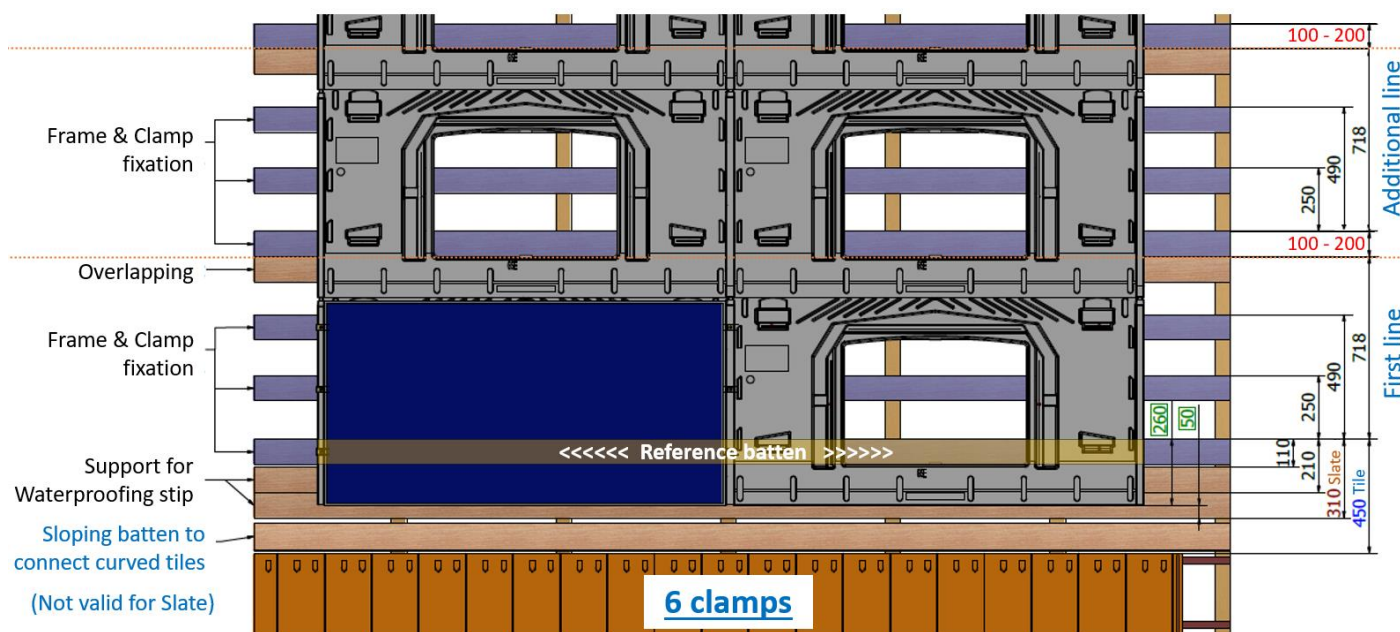
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

Panel length	First line	Additional line	Adjustment
≤808	450 (or 310) + 718	100 + 718	0
818	450 (or 310) + 718	110 + 718	10
828	450 (or 310) + 718	120 + 718	20
838	450 (or 310) + 718	130 + 718	30
848	450 (or 310) + 718	140 + 718	40
858	450 (or 310) + 718	150 + 718	50
868	450 (or 310) + 718	160 + 718	60
878	450 (or 310) + 718	170 + 718	70
888	450 (or 310) + 718	180 + 718	80
898	450 (or 310) + 718	190 + 718	90
908	450 (or 310) + 718	200 + 718	100

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Landscape Frame H808

H808 – 6 Clamps GSE frame references :  
1580/808



➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

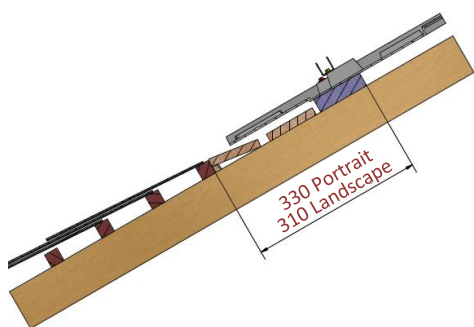
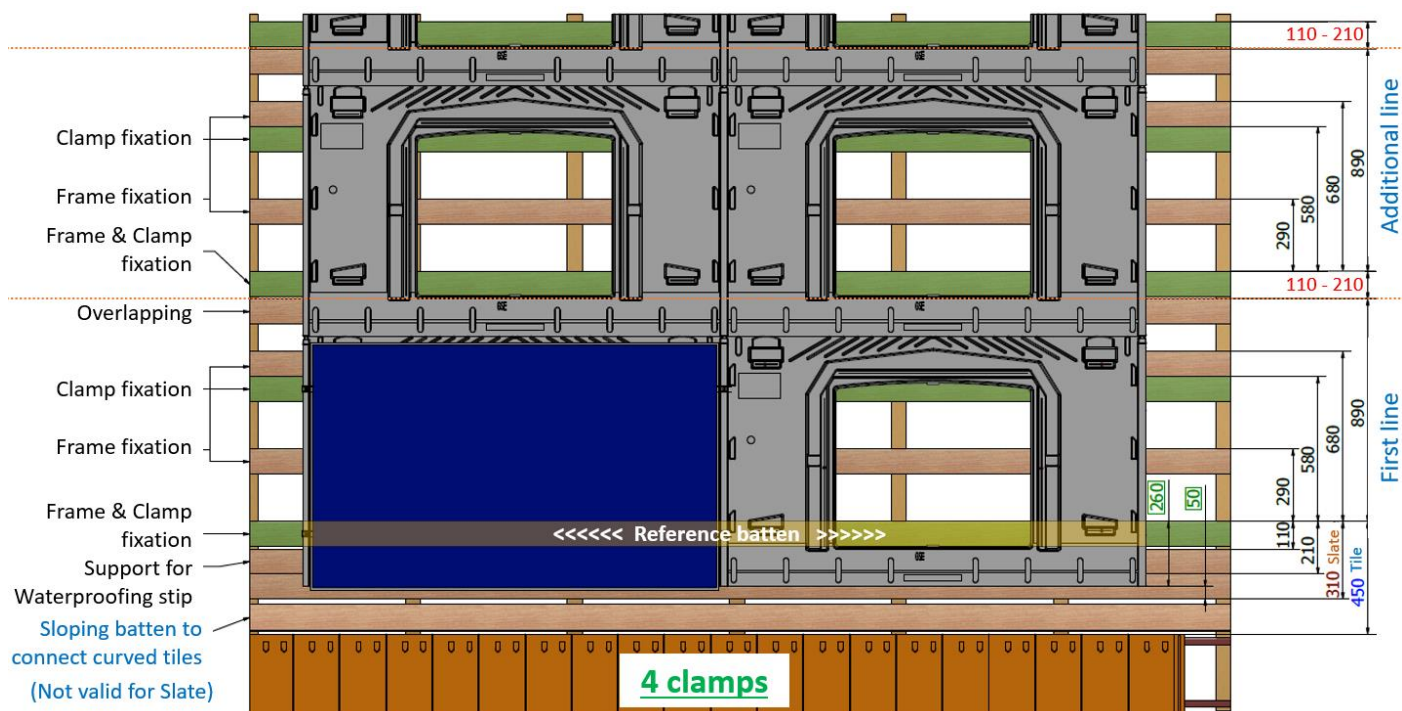
Panel length	First line	Additional line	Adjustment
≤808	450 (or 310) + 718	100 + 718	0
818	450 (or 310) + 718	110 + 718	10
828	450 (or 310) + 718	120 + 718	20
838	450 (or 310) + 718	130 + 718	30
848	450 (or 310) + 718	140 + 718	40
858	450 (or 310) + 718	150 + 718	50
868	450 (or 310) + 718	160 + 718	60
878	450 (or 310) + 718	170 + 718	70
888	450 (or 310) + 718	180 + 718	80
898	450 (or 310) + 718	190 + 718	90
908	450 (or 310) + 718	200 + 718	100

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

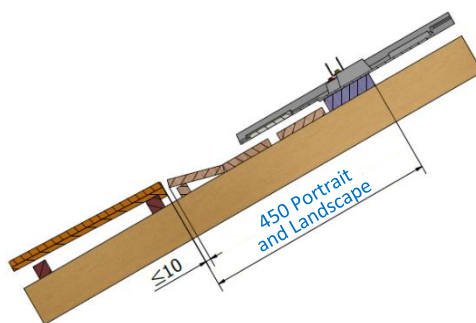
# Battening Plan – Landscape Frame H992 - H1016

H992 – H1016 – 4 Clamps GSE frame references :

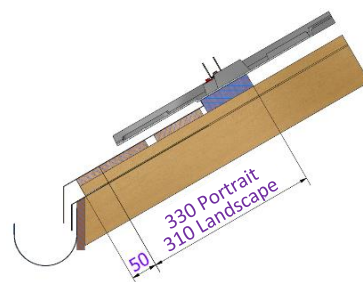
1640/992 - 1650/992 - 1660/992 – 1670/992 - 1675/992 - 1680/992 - 1686/1016 - 1700/1016



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

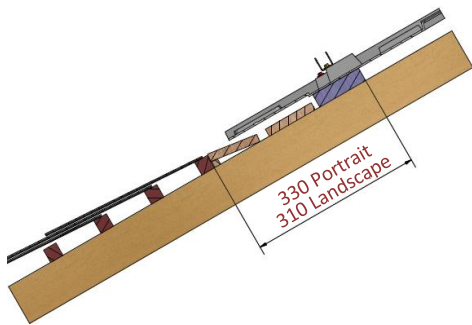
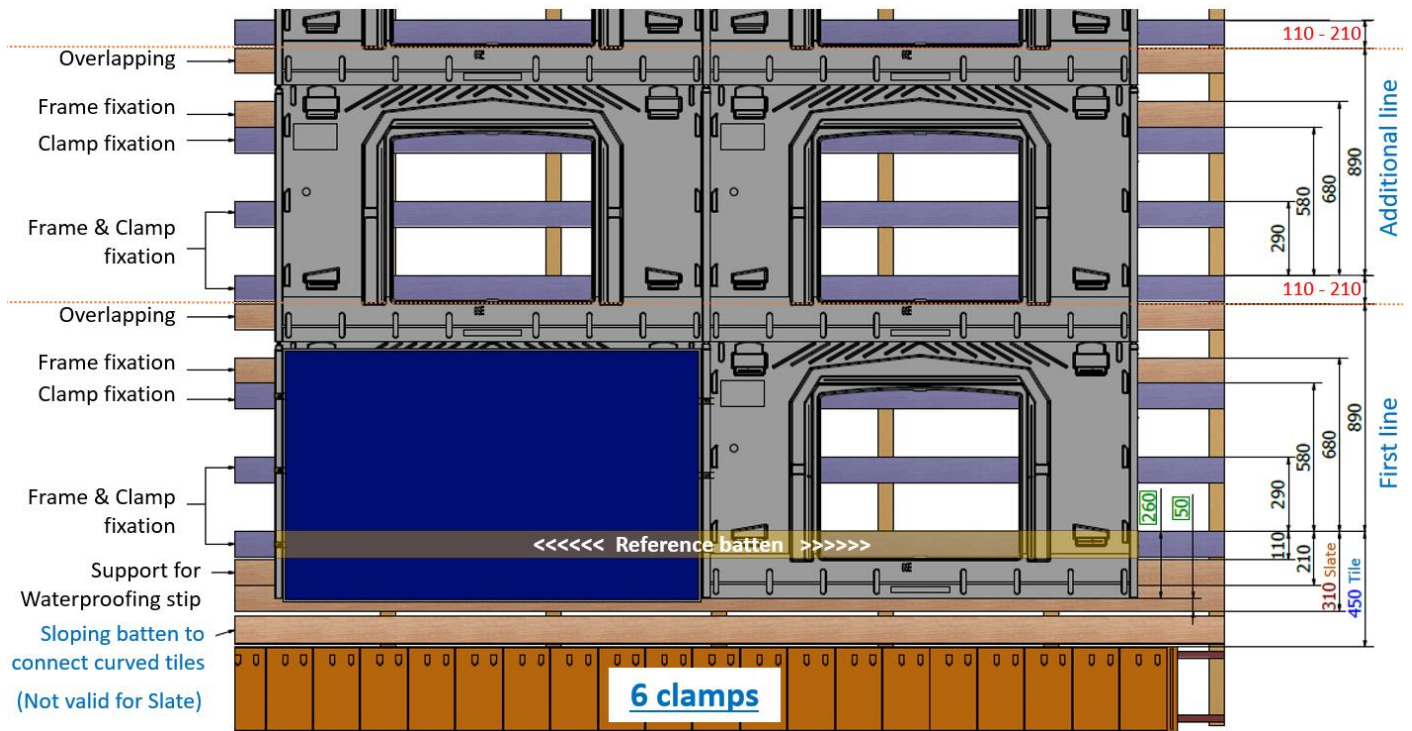
Panel length	First line	Additional line	Adjustment
≤992	450 (or 310) + 890	110 + 890	0
1002	450 (or 310) + 890	120 + 890	10
1012	450 (or 310) + 890	130 + 890	20
1022	450 (or 310) + 890	140 + 890	30
1032	450 (or 310) + 890	150 + 890	40
1042	450 (or 310) + 890	160 + 890	50
1052	450 (or 310) + 890	170 + 890	60
1062	450 (or 310) + 890	180 + 890	70
1072	450 (or 310) + 890	190 + 890	80
1082	450 (or 310) + 890	200 + 890	90
1092	450 (or 310) + 890	210 + 890	100

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.

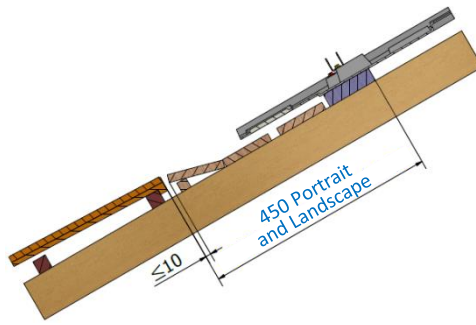
# Battening Plan – Landscape Frame H992 - H1016

H992 – H1016 – 6 Clamps GSE frame references :

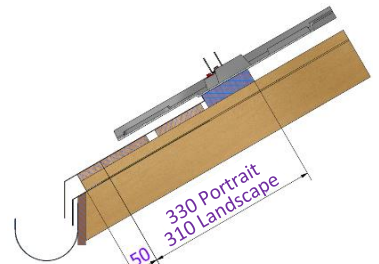
1640/992 - 1650/992 - 1660/992 – 1670/992 - 1675/992 - 1680/992 - 1686/1016 - 1700/1016



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

Panel length	First line	Additional line	Adjustment
≤992	450 (or 310) + 890	110 + 890	0
1002	450 (or 310) + 890	120 + 890	10
1012	450 (or 310) + 890	130 + 890	20
1022	450 (or 310) + 890	140 + 890	30
1032	450 (or 310) + 890	150 + 890	40
1042	450 (or 310) + 890	160 + 890	50
1052	450 (or 310) + 890	170 + 890	60
1062	450 (or 310) + 890	180 + 890	70
1072	450 (or 310) + 890	190 + 890	80
1082	450 (or 310) + 890	200 + 890	90
1092	450 (or 310) + 890	210 + 890	100

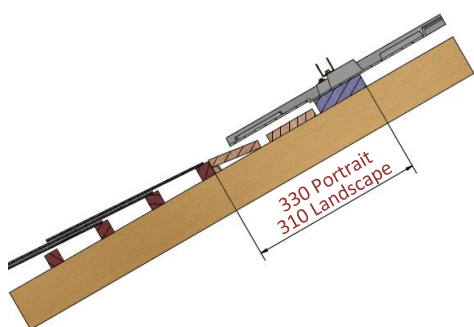
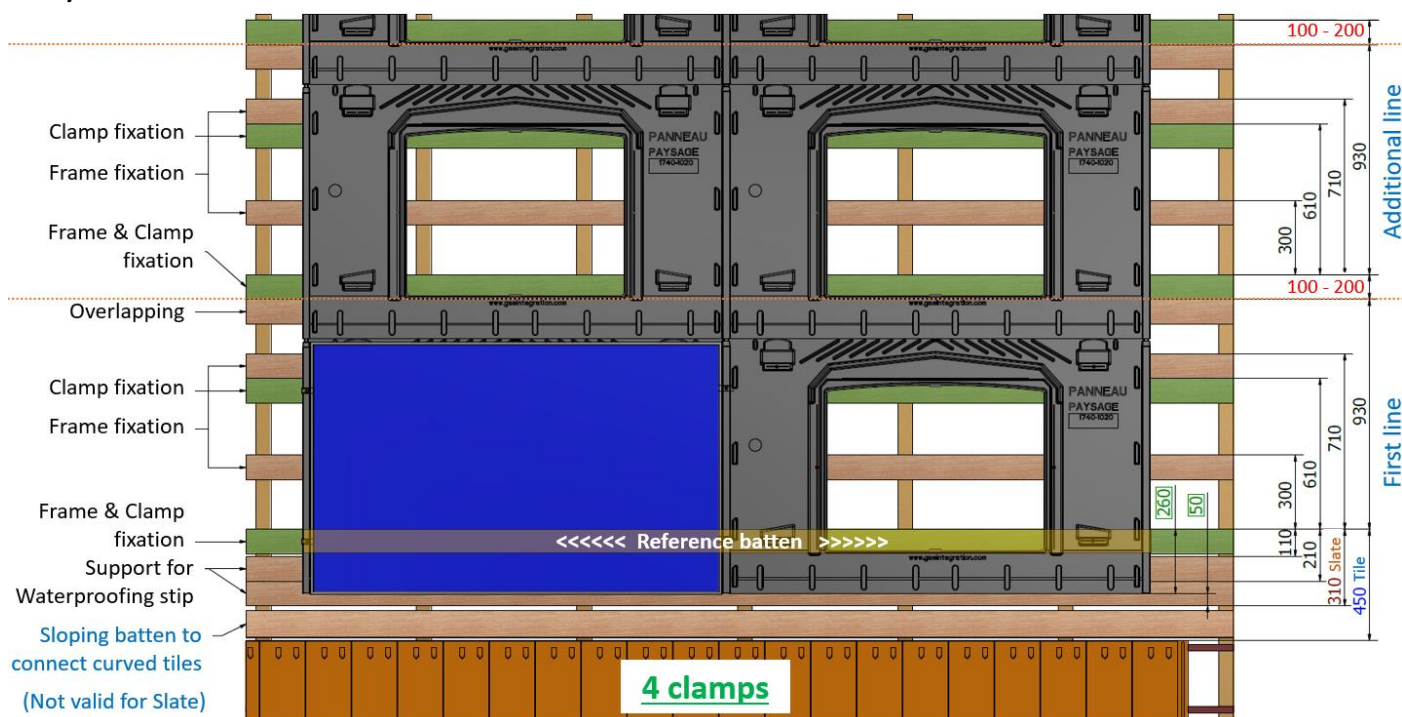
(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.



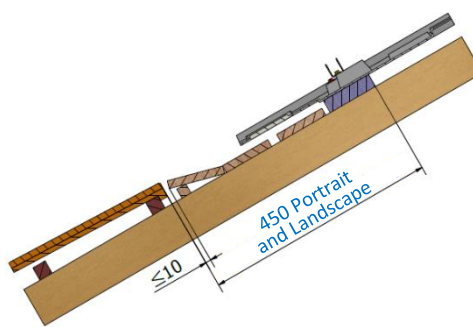
# Battening Plan – Landscape Frame H1020

H1020 – 4 Clamps GSE frame references :

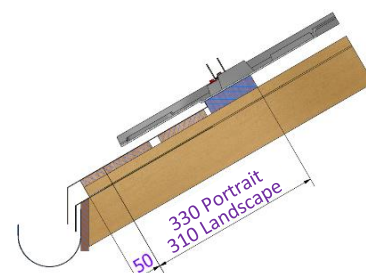
1665/1020 - 1675/1020 - 1680/1020 - 1685/1020 - 1690/1020 - 1695/1020 - 1700/1020 - 1705/1020 - 1720/1020  
1740/1020



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

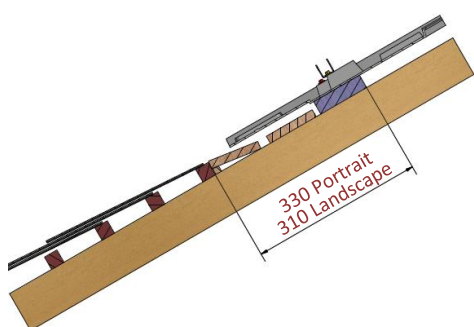
Panel length	First line	Additional line	Adjustment
≤1020	450 (or 310) + 930	100 + 930	0
1030	450 (or 310) + 930	110 + 930	10
1040	450 (or 310) + 930	120 + 930	20
1050	450 (or 310) + 930	130 + 930	30
1060	450 (or 310) + 930	140 + 930	40
1070	450 (or 310) + 930	150 + 930	50
1080	450 (or 310) + 930	160 + 930	60
1090	450 (or 310) + 930	170 + 930	70
1100	450 (or 310) + 930	180 + 930	80
1110	450 (or 310) + 930	190 + 930	90
1120	450 (or 310) + 930	200 + 930	100

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.

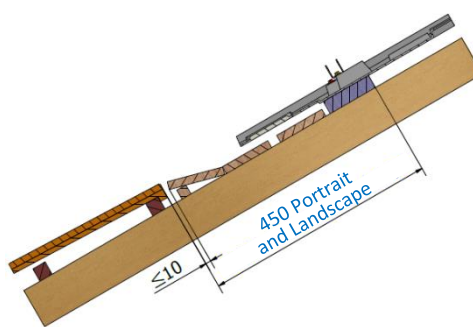
# Battening Plan – Landscape Frame H1020

H1020 – 6 Clamps GSE frame references :

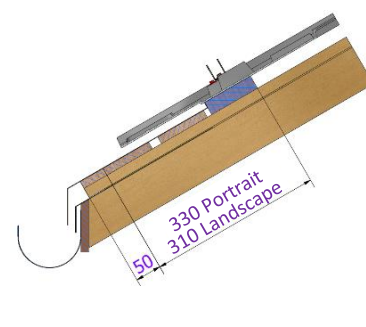
1665/1020 - 1675/1020 - 1680/1020 - 1685/1020 - 1690/1020 - 1695/1020 - 1700/1020 - 1705/1020 - 1720/1020  
1740/1020



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

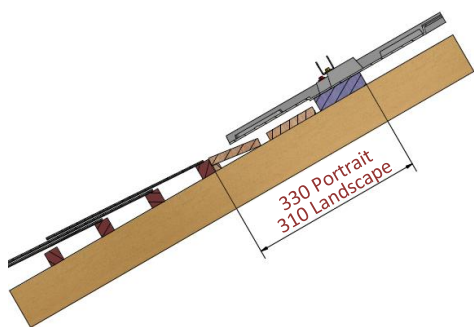
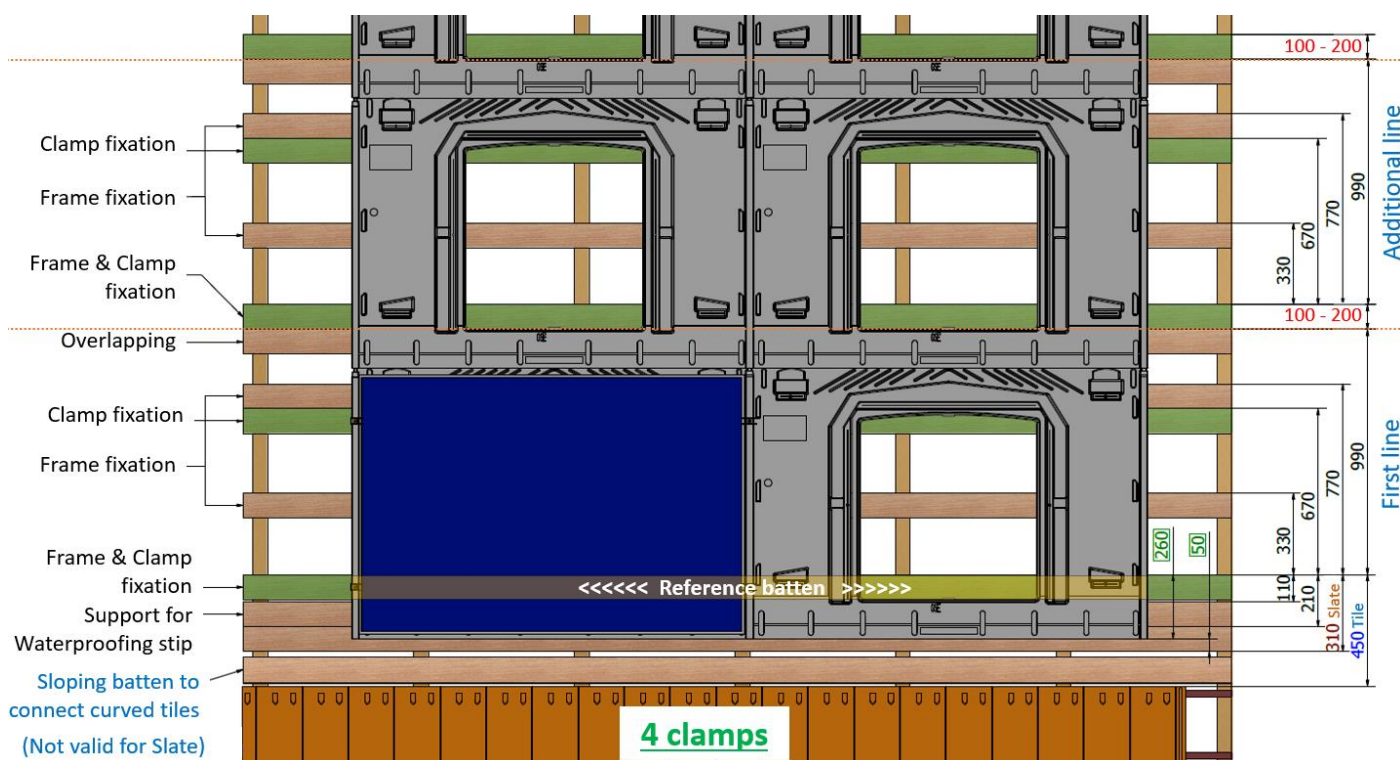
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

Panel length	First line	Additional line	Adjustment
≤1020	450 (or 310) + 930	100 + 930	0
1030	450 (or 310) + 930	110 + 930	10
1040	450 (or 310) + 930	120 + 930	20
1050	450 (or 310) + 930	130 + 930	30
1060	450 (or 310) + 930	140 + 930	40
1070	450 (or 310) + 930	150 + 930	50
1080	450 (or 310) + 930	160 + 930	60
1090	450 (or 310) + 930	170 + 930	70
1100	450 (or 310) + 930	180 + 930	80
1110	450 (or 310) + 930	190 + 930	90
1120	450 (or 310) + 930	200 + 930	100

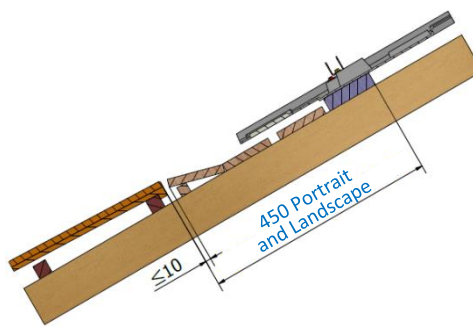
(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Landscape Frame H1082

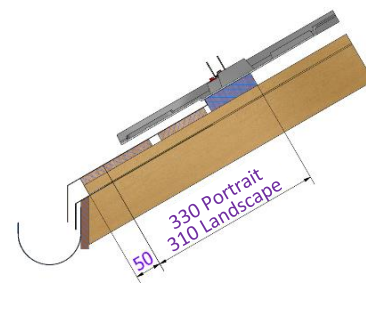
H1082 – 4 Clamps GSE frame references :  
1559/1046 - 1575/1082



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

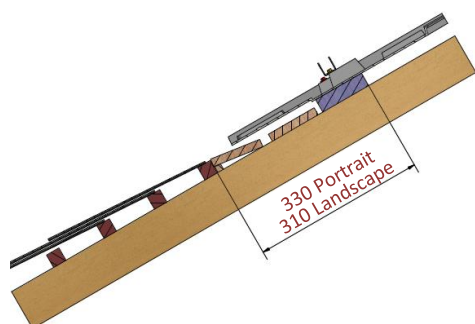
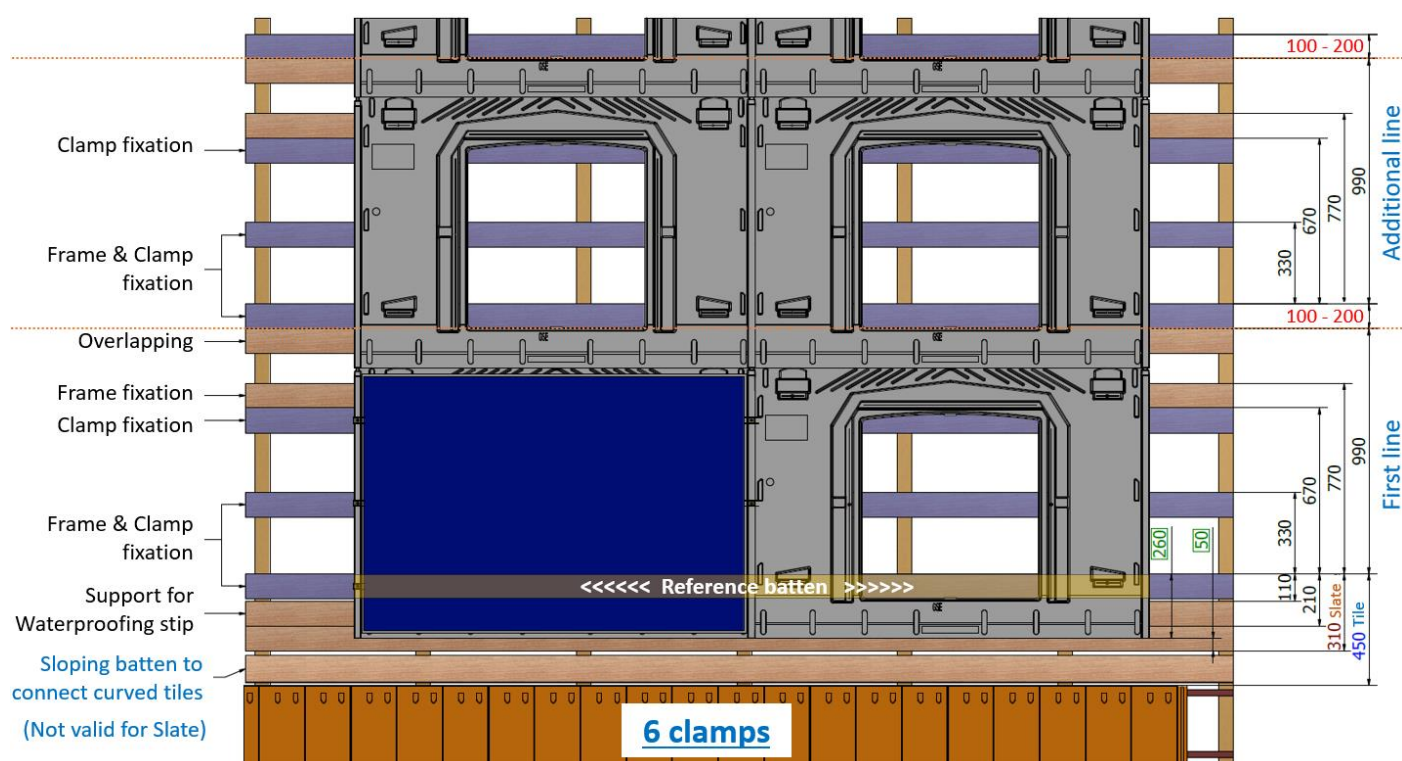
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

Pannel length	First line	Additional line	Adjustment
≤1082	450 (or 310) + 990	100 + 990	0
1090	450 (or 310) + 990	110 + 990	10
1100	450 (or 310) + 990	120 + 990	20
1110	450 (or 310) + 990	130 + 990	30
1120	450 (or 310) + 990	140 + 990	40
1130	450 (or 310) + 990	150 + 990	50
1140	450 (or 310) + 990	160 + 990	60
1150	450 (or 310) + 990	170 + 990	70
1160	450 (or 310) + 990	180 + 990	80
1170	450 (or 310) + 990	190 + 990	90
1120	450 (or 310) + 930	200 + 930	100

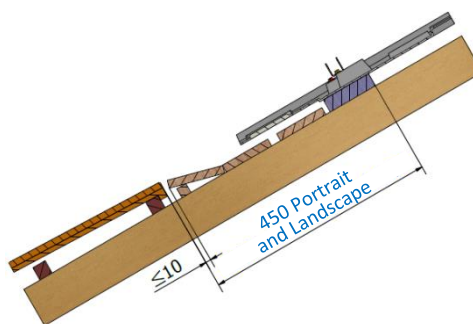
(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Landscape Frame H1082

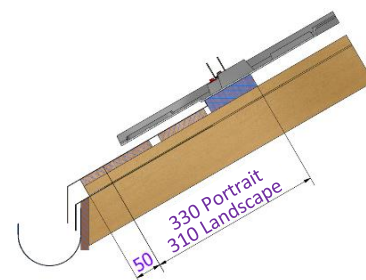
H1082 – 6 Clamps GSE frame references :  
1559/1046 - 1575/1082



Slate



Other Tiles



Gutter

➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

Panel length	First line	Additional line	Adjustment
≤1082	450 (or 310) + 990	100 + 990	0
1090	450 (or 310) + 990	110 + 990	10
1100	450 (or 310) + 990	120 + 990	20
1110	450 (or 310) + 990	130 + 990	30
1120	450 (or 310) + 990	140 + 990	40
1130	450 (or 310) + 990	150 + 990	50
1140	450 (or 310) + 990	160 + 990	60
1150	450 (or 310) + 990	170 + 990	70
1160	450 (or 310) + 990	180 + 990	80
1170	450 (or 310) + 990	190 + 990	90
1120	450 (or 310) + 930	200 + 930	100

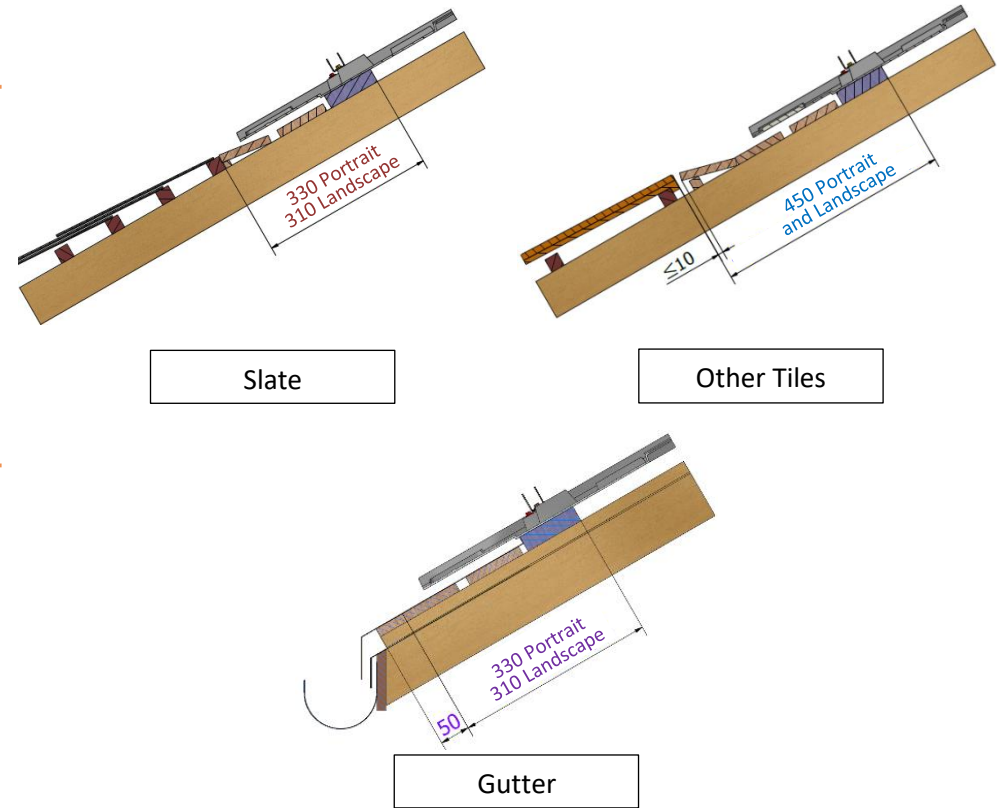
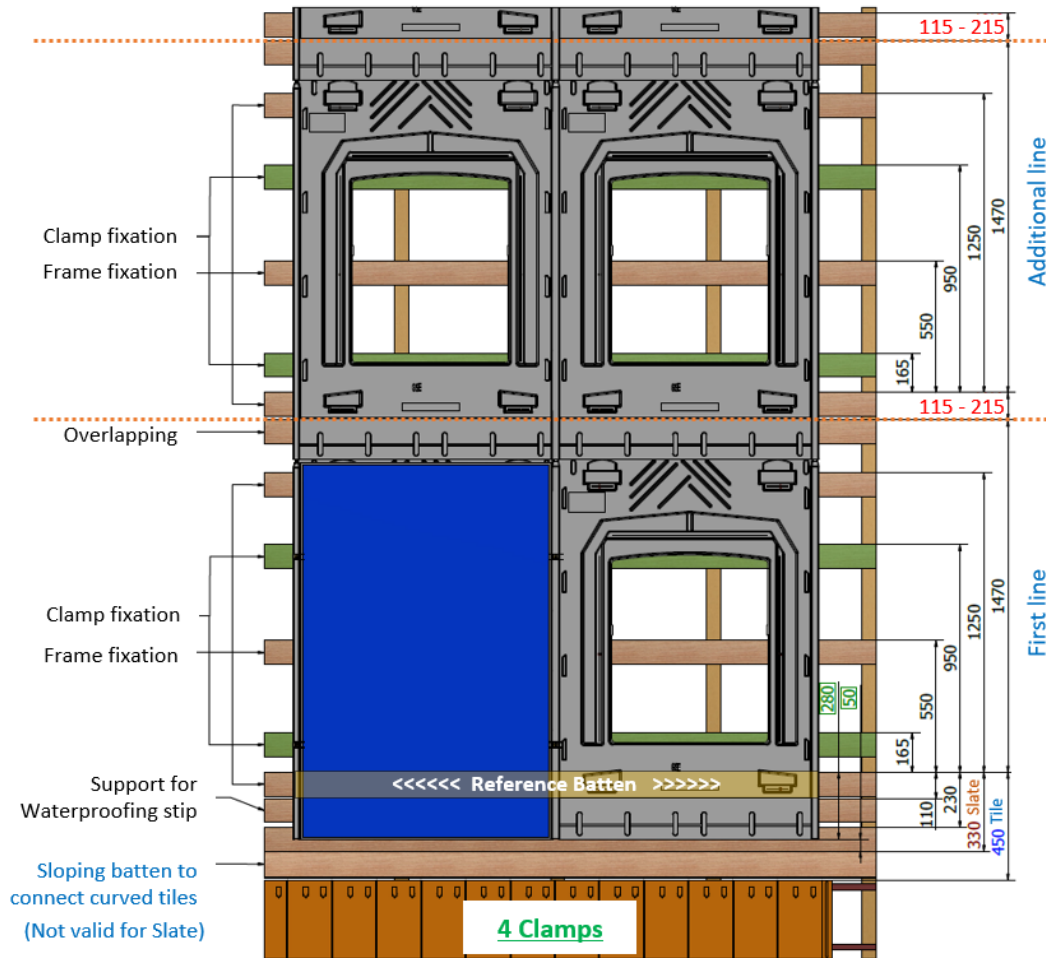
(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.



# Battening plans for Portrait frames

# Battening Plan – Portrait Frame H1575

H1575 – 4 Clamps GSE frame references :  
1559/1046 – 1575/1053 – 1575 /1082



Panel length	First line	Additional line	Adjustment
≤1575	450 (or 330) + 1470	115 + 1470	0
1585	450 (or 330) + 1470	125 + 1470	10
1595	450 (or 330) + 1470	135 + 1470	20
1605	450 (or 330) + 1470	145 + 1470	30
1615	450 (or 330) + 1470	155 + 1470	40
1625	450 (or 330) + 1470	165 + 1470	50
1635	450 (or 330) + 1470	175 + 1470	60
1645	450 (or 330) + 1470	185 + 1470	70
1655	450 (or 330) + 1470	195 + 1470	80
1665	450 (or 330) + 1470	205 + 1470	90
1675	450 (or 330) + 1470	215 + 1470	100

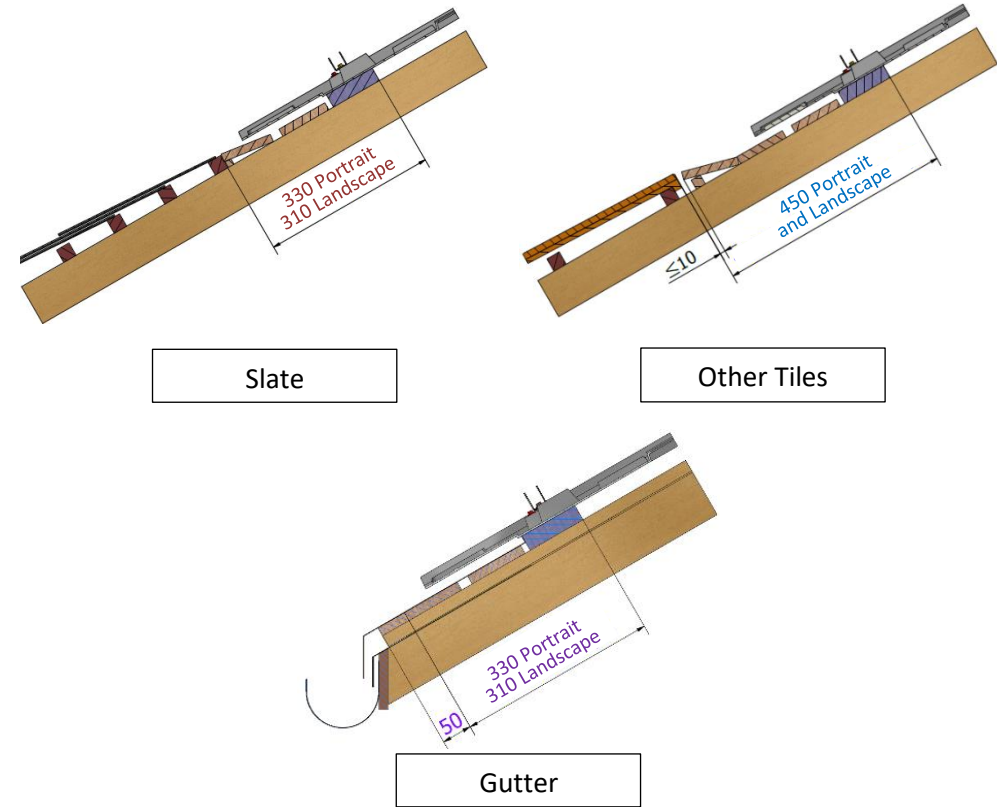
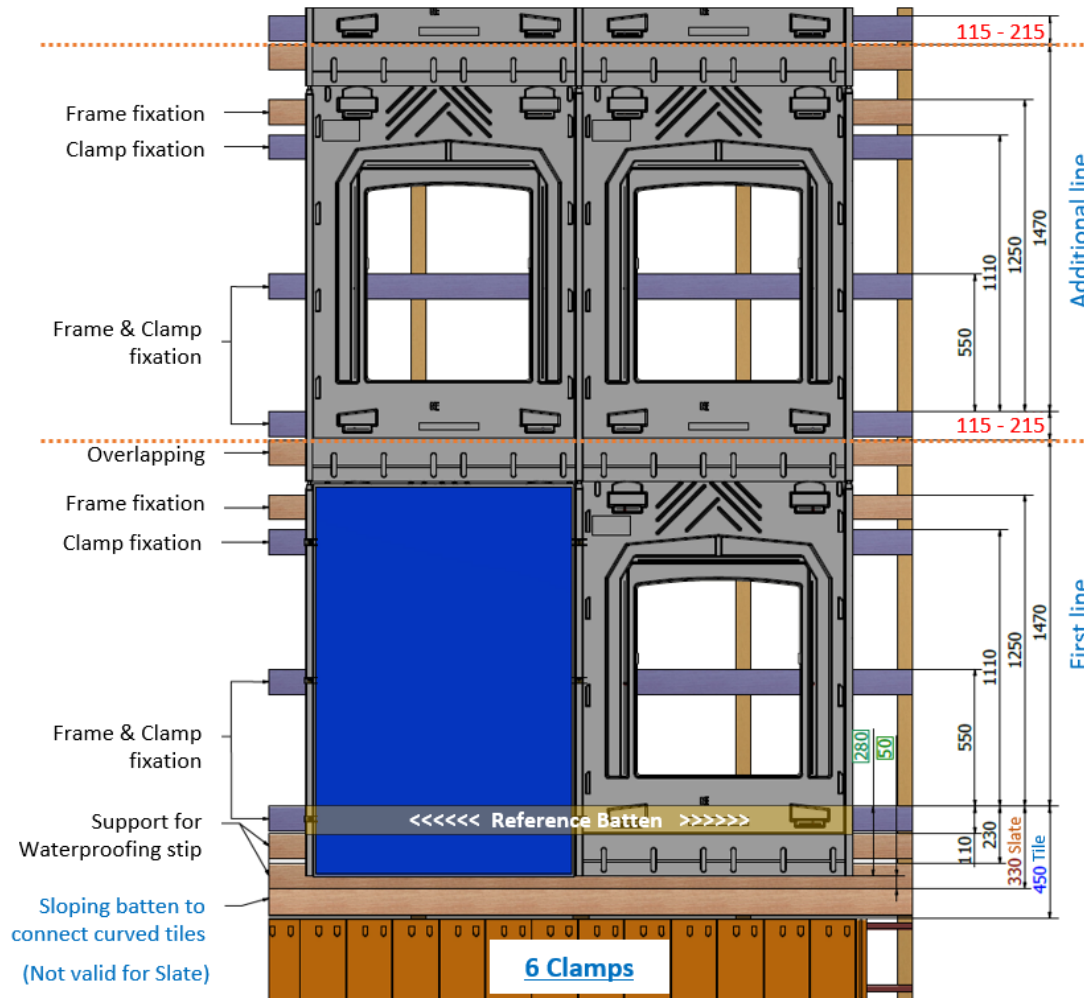
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1575

H1575 – 6 Clamps GSE frame references :  
1559/1046 – 1575/1053 – 1575 /1082



Panel length	First line	Additional line	Adjustment
≤1575	450 (or 330) + 1470	115 + 1470	0
1585	450 (or 330) + 1470	125 + 1470	10
1595	450 (or 330) + 1470	135 + 1470	20
1605	450 (or 330) + 1470	145 + 1470	30
1615	450 (or 330) + 1470	155 + 1470	40
1625	450 (or 330) + 1470	165 + 1470	50
1635	450 (or 330) + 1470	175 + 1470	60
1645	450 (or 330) + 1470	185 + 1470	70
1655	450 (or 330) + 1470	195 + 1470	80
1665	450 (or 330) + 1470	205 + 1470	90
1675	450 (or 330) + 1470	215 + 1470	100

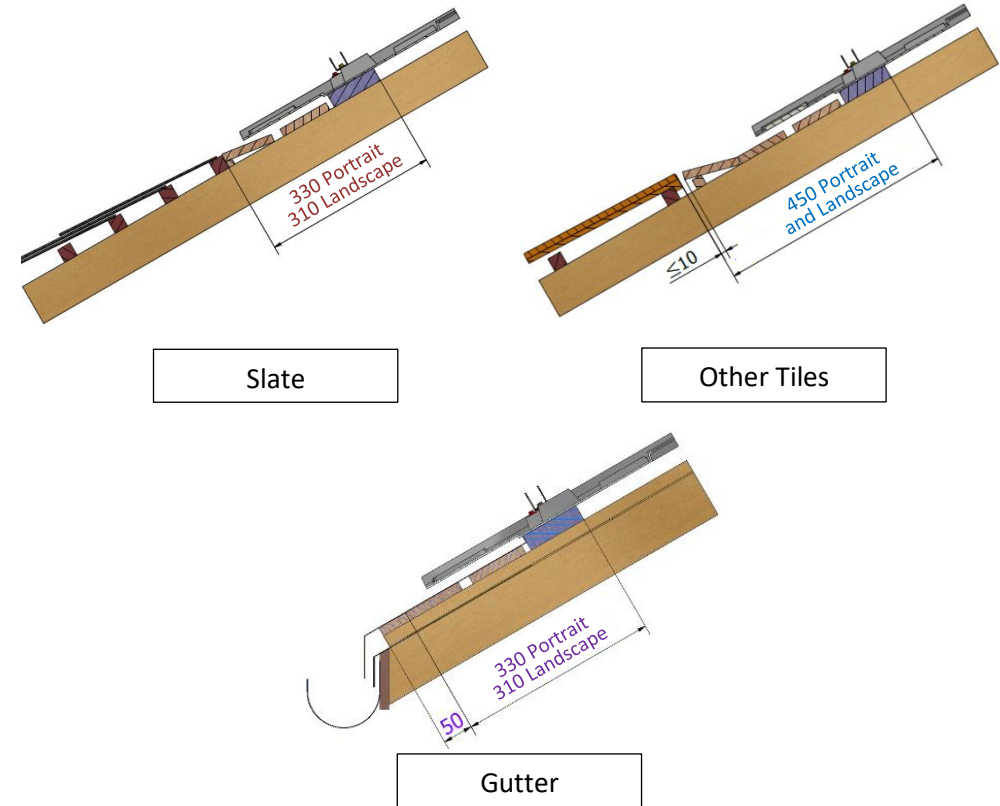
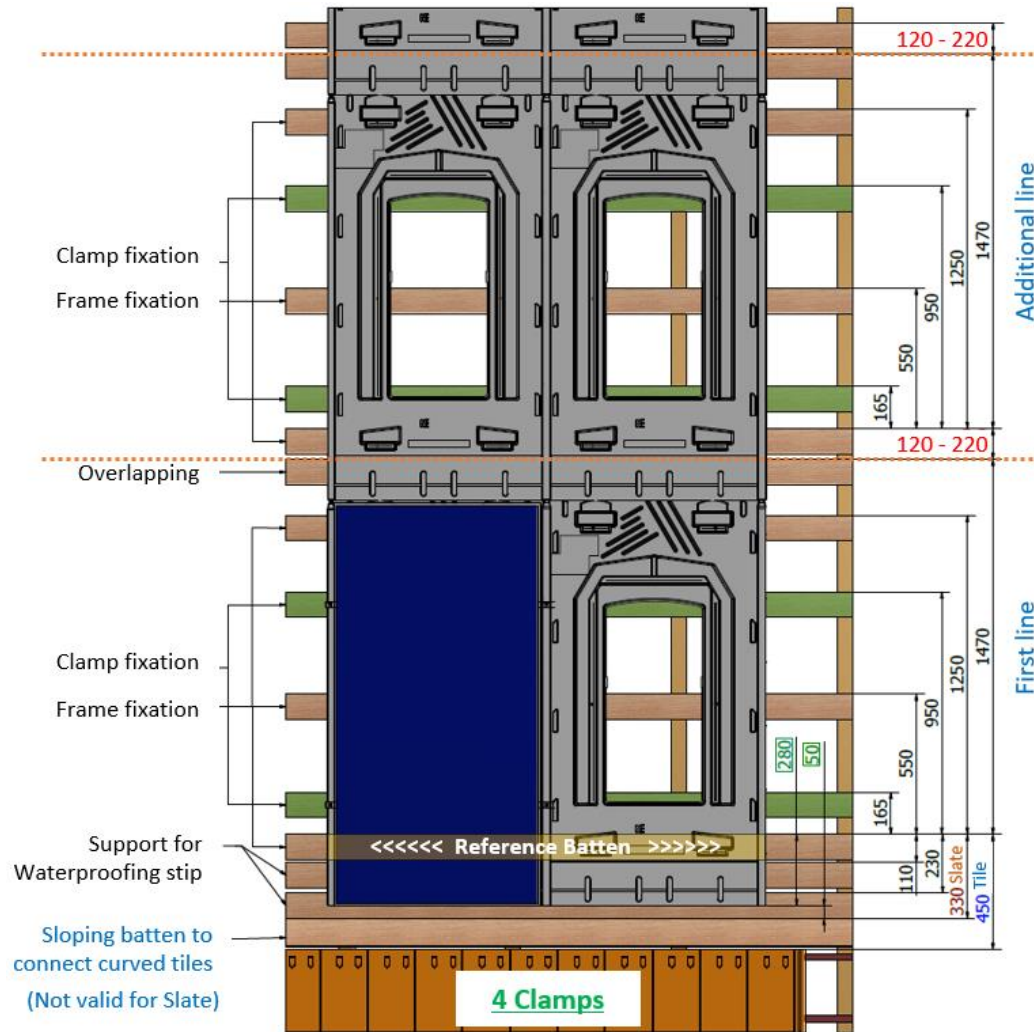
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1580

H1580 – 4 Clamps GSE frame references :  
1580/808



Panel length	First line	Additional line	Adjustment
$\le 1580$	450 (or 330) + 1470	120 + 1470	0
1590	450 (or 330) + 1470	130 + 1470	10
1600	450 (or 330) + 1470	140 + 1470	20
1610	450 (or 330) + 1470	150 + 1470	30
1620	450 (or 330) + 1470	160 + 1470	40
1630	450 (or 330) + 1470	170 + 1470	50
1640	450 (or 330) + 1470	180 + 1470	60
1650	450 (or 330) + 1470	190 + 1470	70
1660	450 (or 330) + 1470	200 + 1470	80
1670	450 (or 330) + 1470	210 + 1470	90
1680	450 (or 330) + 1470	220 + 1470	100

➤ **Batten width**<sup>1</sup> = 100mm

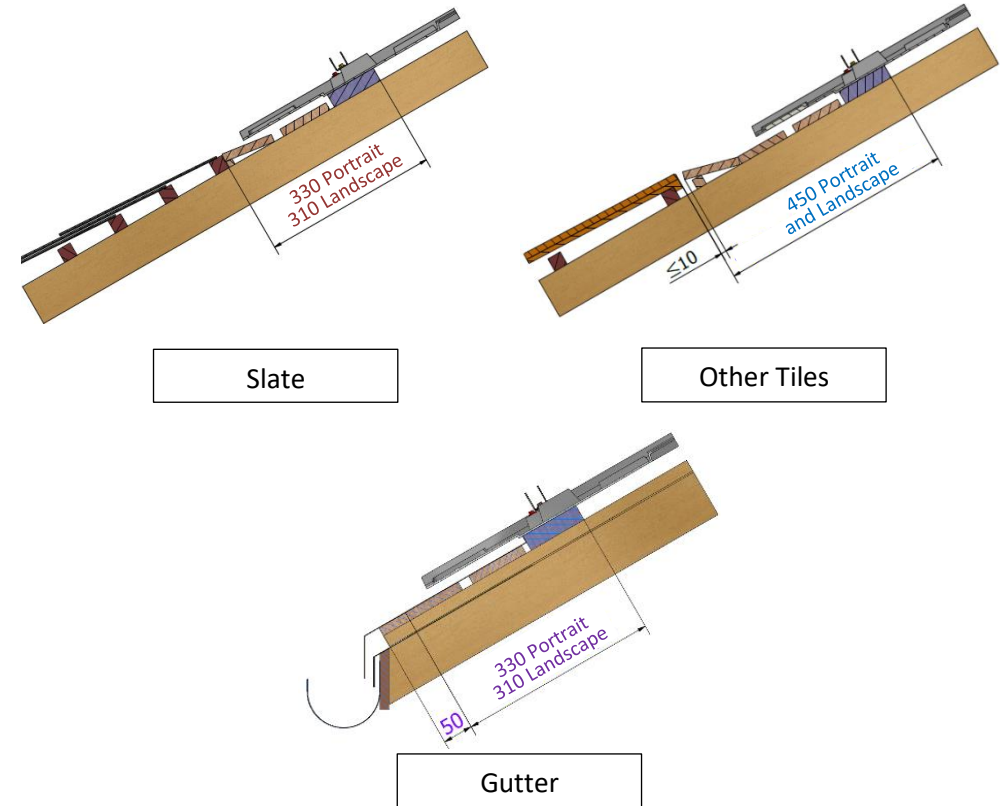
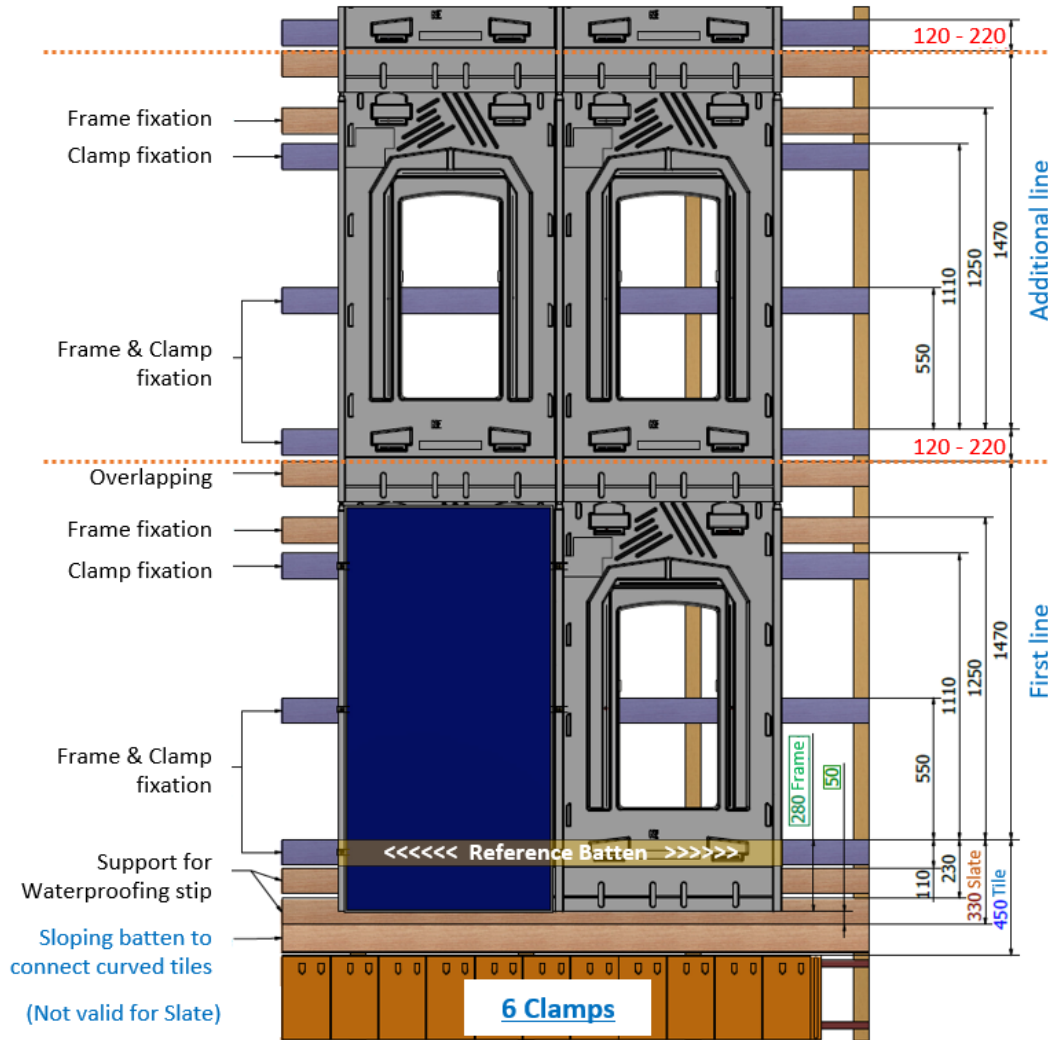
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.



# Battening Plan – Portrait Frame H1580

H1580 – 6 Clamps GSE frame references :  
1580/808



Panel length	First line	Additional line	Adjustment
≤1580	450 (or 330) + 1470	120 + 1470	0
1590	450 (or 330) + 1470	130 + 1470	10
1600	450 (or 330) + 1470	140 + 1470	20
1610	450 (or 330) + 1470	150 + 1470	30
1620	450 (or 330) + 1470	160 + 1470	40
1630	450 (or 330) + 1470	170 + 1470	50
1640	450 (or 330) + 1470	180 + 1470	60
1650	450 (or 330) + 1470	190 + 1470	70
1660	450 (or 330) + 1470	200 + 1470	80
1670	450 (or 330) + 1470	210 + 1470	90
1680	450 (or 330) + 1470	220 + 1470	100

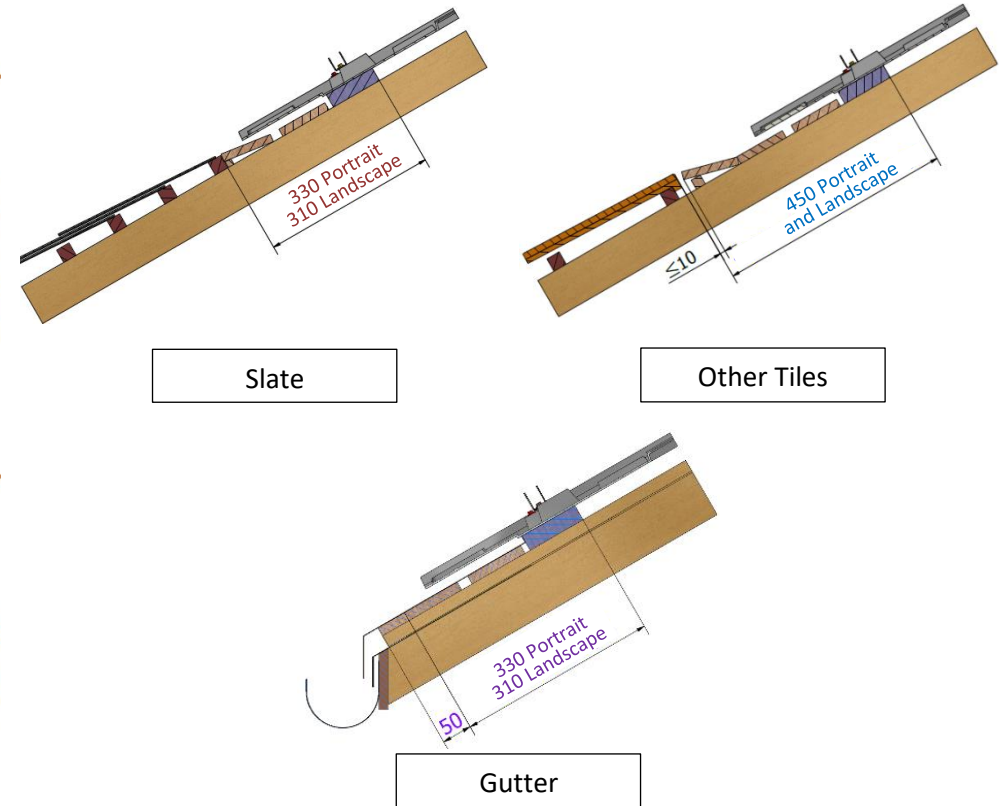
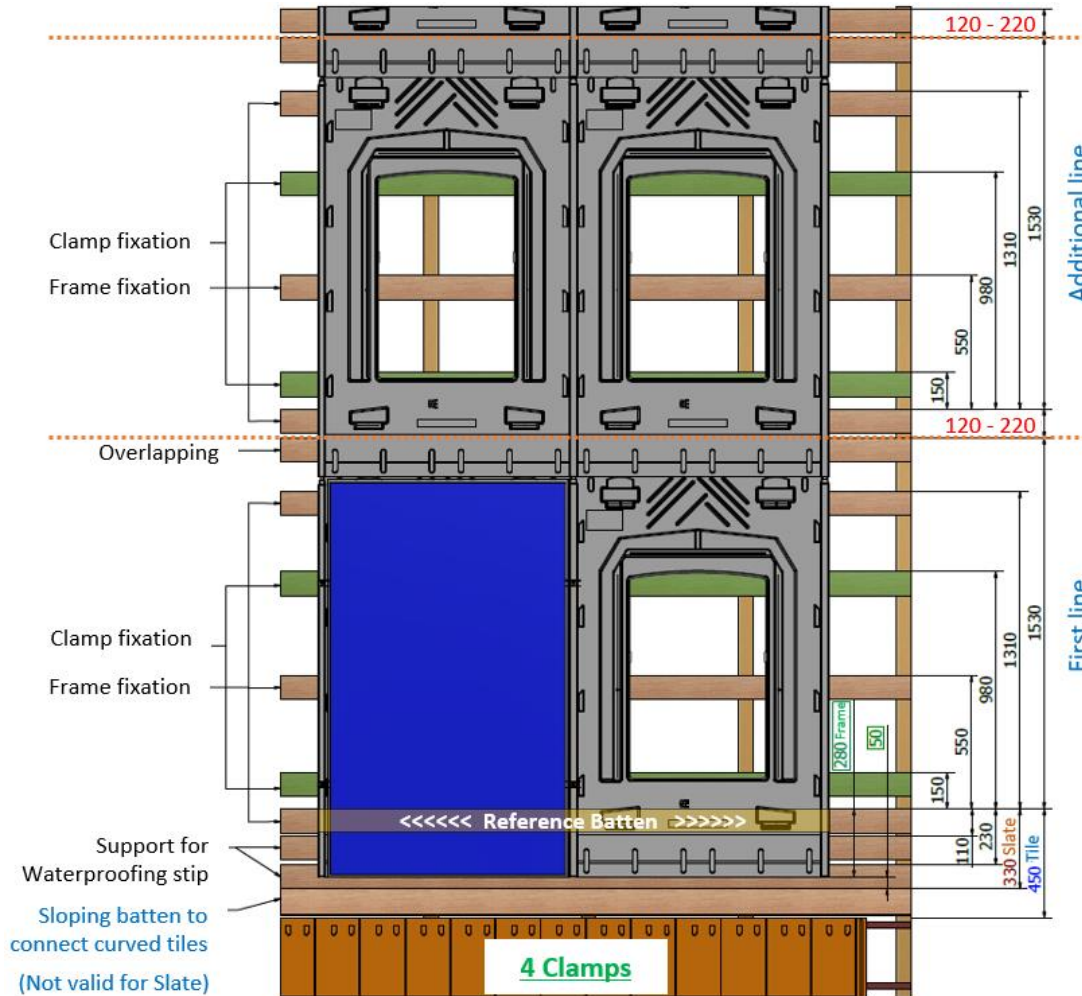
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1640

H1640 – 4 Clamps GSE frame references :  
1640/992 – 1640/1001



Panel length	First line	Additional line	Adjustment
≤1640	450 (or 330) + 1530	120 + 1530	0
1650	450 (or 330) + 1530	130 + 1530	10
1660	450 (or 330) + 1530	140 + 1530	20
1670	450 (or 330) + 1530	150 + 1530	30
1680	450 (or 330) + 1530	160 + 1530	40
1690	450 (or 330) + 1530	170 + 1530	50
1700	450 (or 330) + 1530	180 + 1530	60
1710	450 (or 330) + 1530	190 + 1530	70
1720	450 (or 330) + 1530	200 + 1530	80
1730	450 (or 330) + 1530	210 + 1530	90
1740	450 (or 330) + 1530	220 + 1530	100

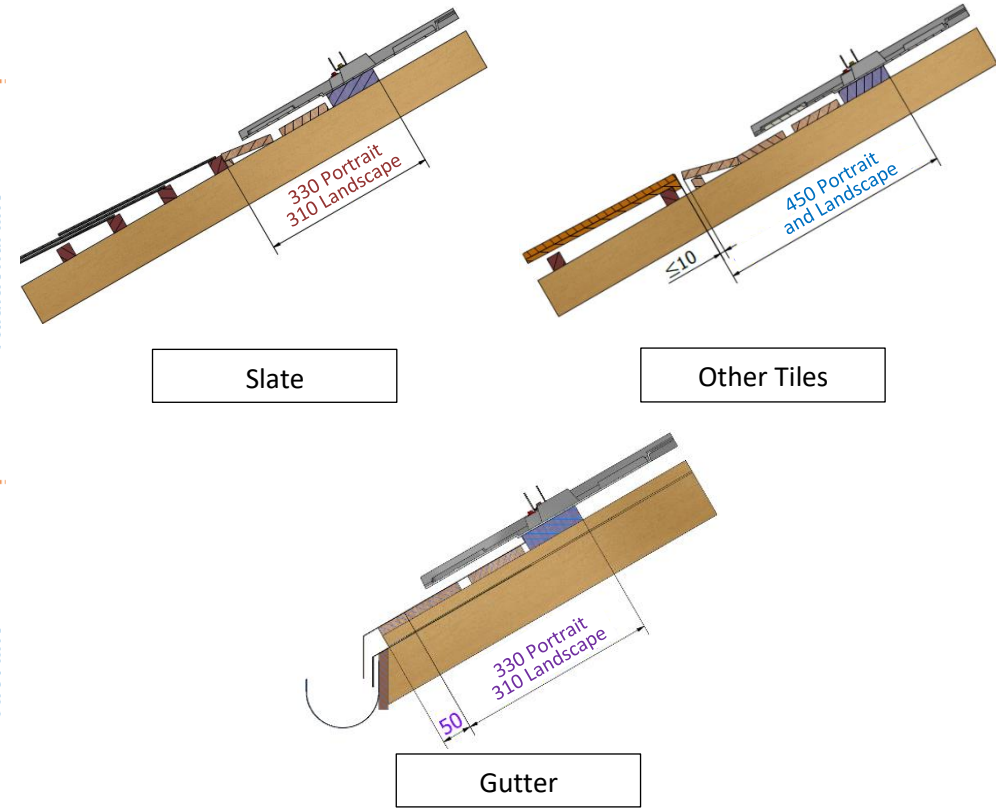
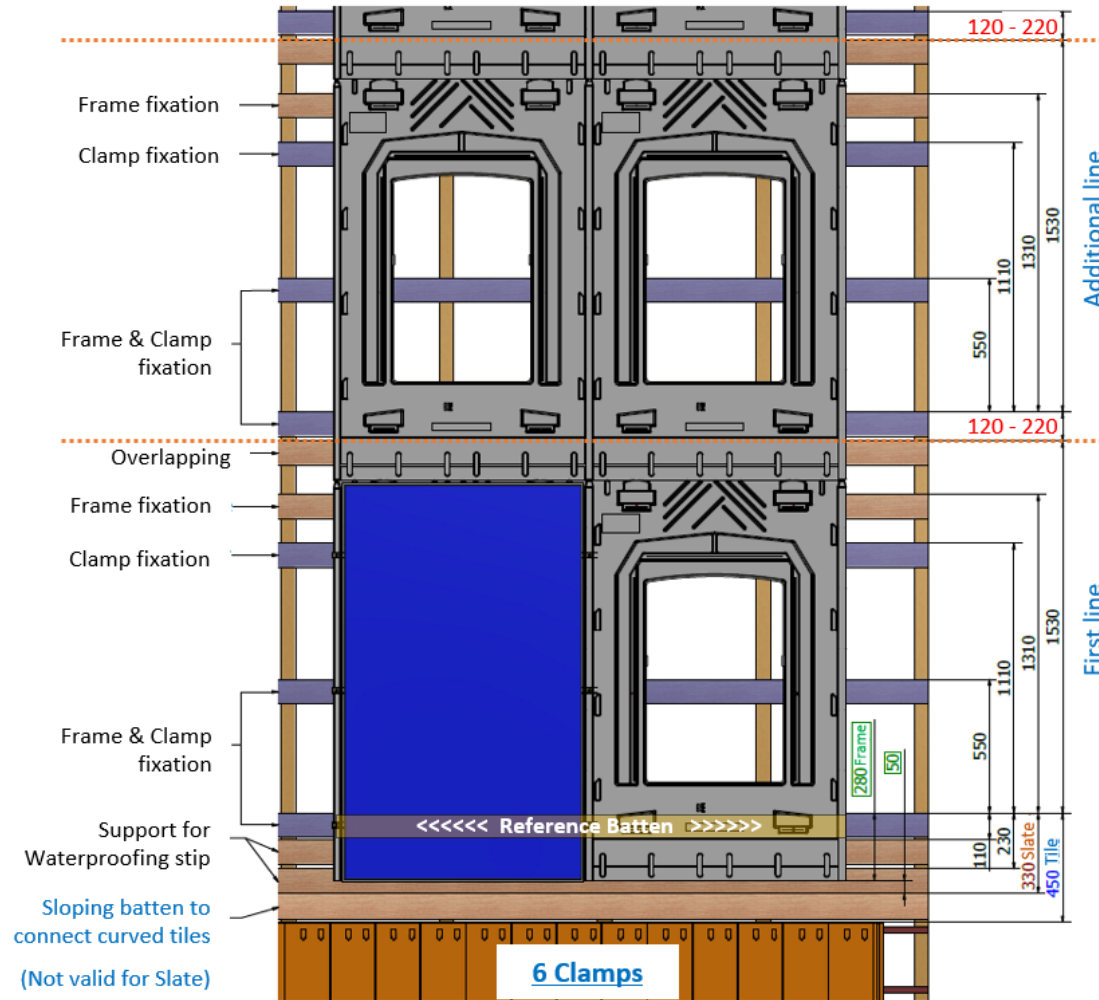
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1640

H1640 – 6 Clamps GSE frame references :  
1640/992 – 1640/1001



Panel length	First line	Additional line	Adjustment
$\le 1640$	450 (or 330) + 1530	120 + 1530	0
1650	450 (or 330) + 1530	130 + 1530	10
1660	450 (or 330) + 1530	140 + 1530	20
1670	450 (or 330) + 1530	150 + 1530	30
1680	450 (or 330) + 1530	160 + 1530	40
1690	450 (or 330) + 1530	170 + 1530	50
1700	450 (or 330) + 1530	180 + 1530	60
1710	450 (or 330) + 1530	190 + 1530	70
1720	450 (or 330) + 1530	200 + 1530	80
1730	450 (or 330) + 1530	210 + 1530	90
1740	450 (or 330) + 1530	220 + 1530	100

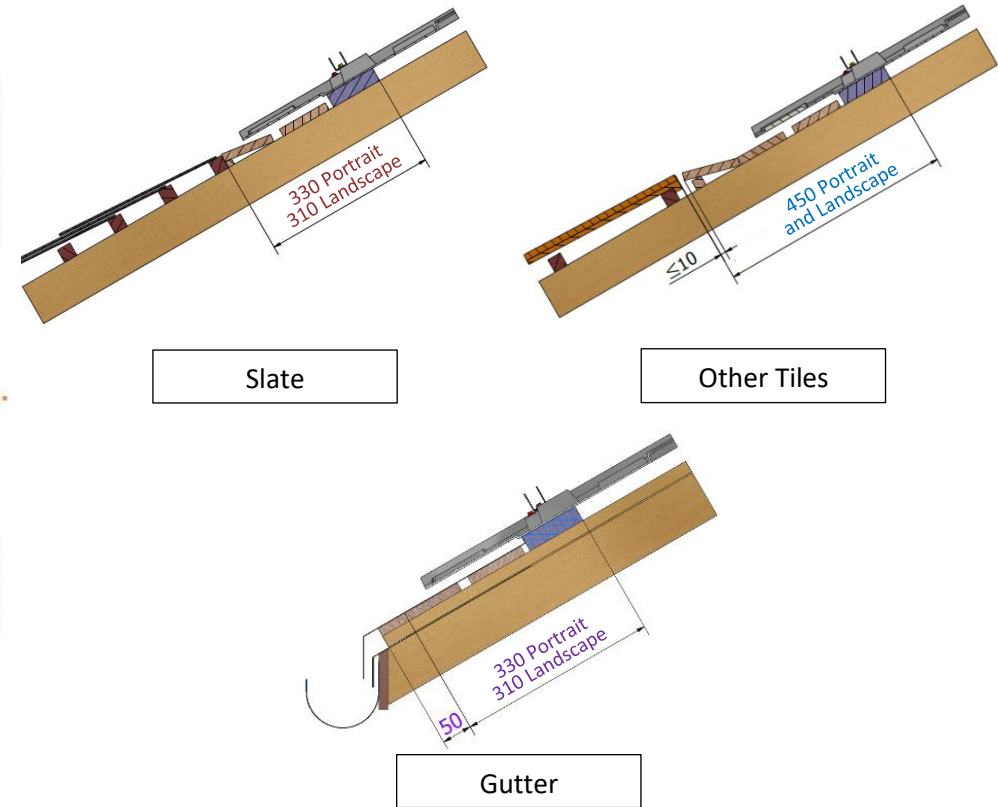
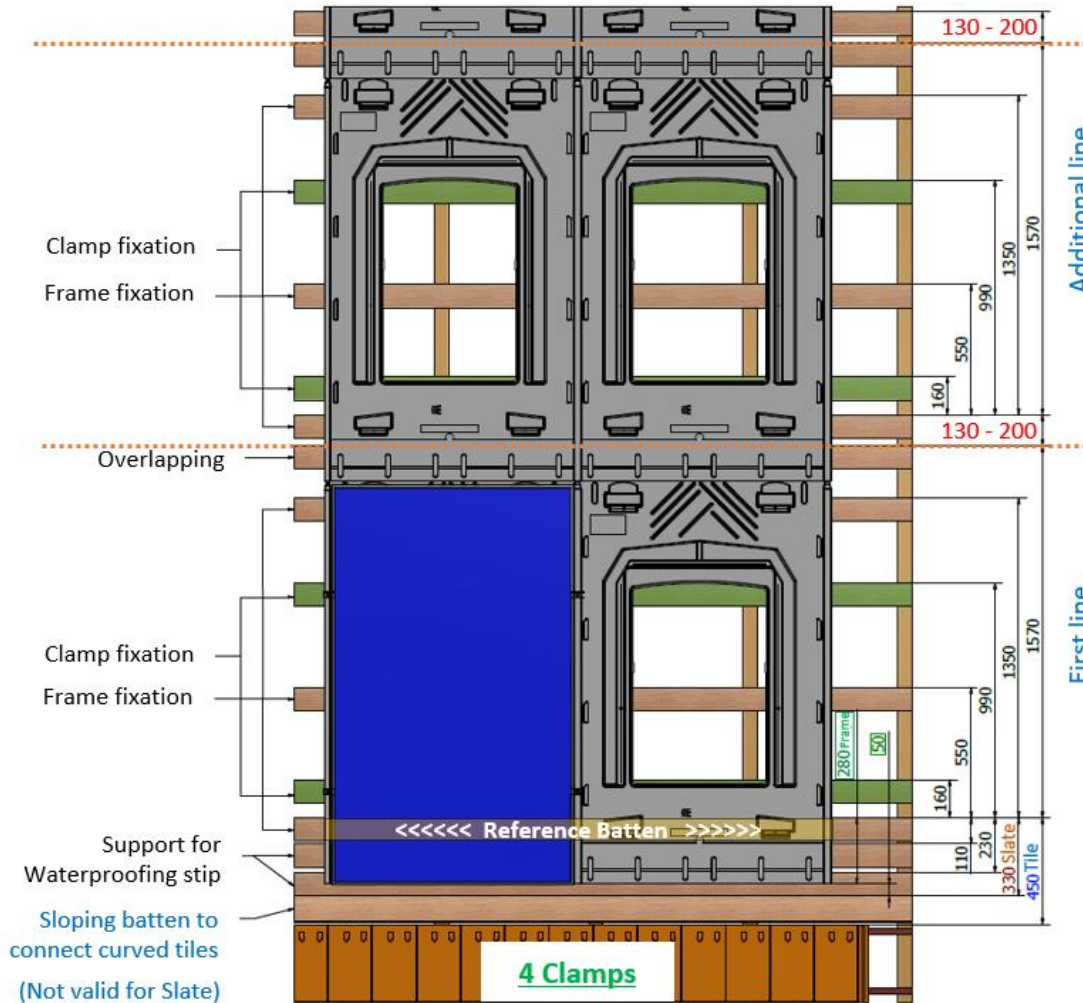
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.

# Battening Plan – Portrait Frame H1686

H1686 – 4 Clamps GSE frame references :  
1686/1016



Panel length	First line	Additional line	Adjustment
$\leq 1686$	450 (or 330) + 1570	130 + 1570	0
1696	450 (or 330) + 1570	140 + 1570	10
1706	450 (or 330) + 1570	150 + 1570	20
1716	450 (or 330) + 1570	160 + 1570	30
1726	450 (or 330) + 1570	170 + 1570	40
1736	450 (or 330) + 1570	180 + 1570	50
1746	450 (or 330) + 1570	190 + 1570	60
1756	450 (or 330) + 1570	200 + 1570	70

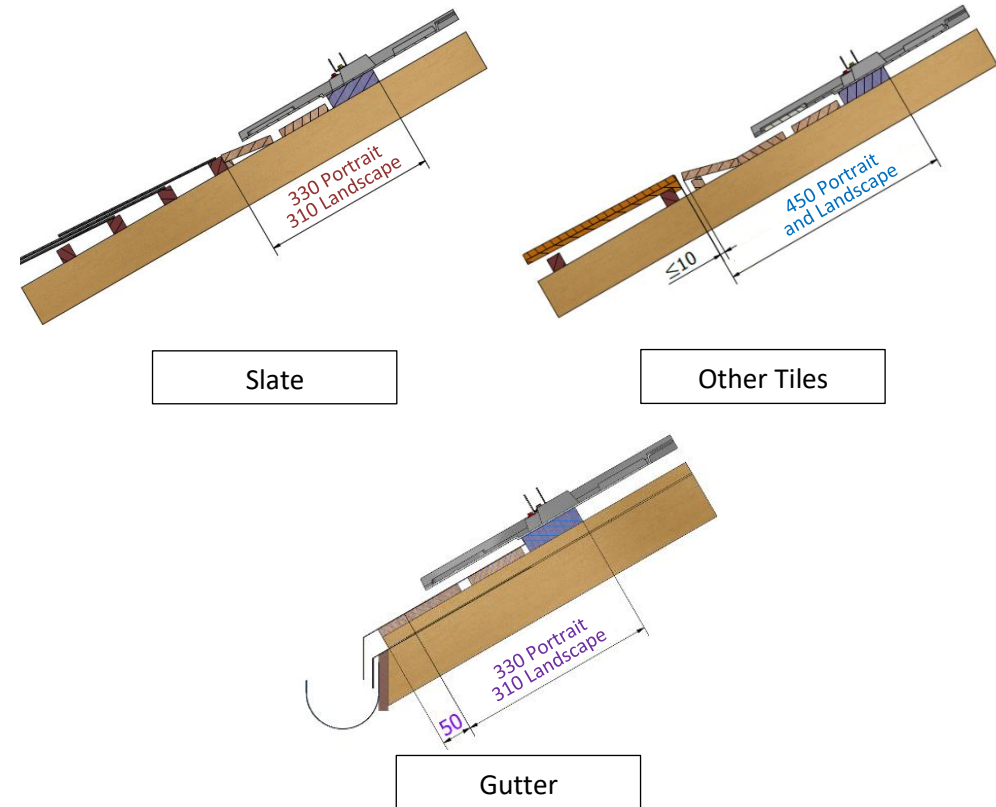
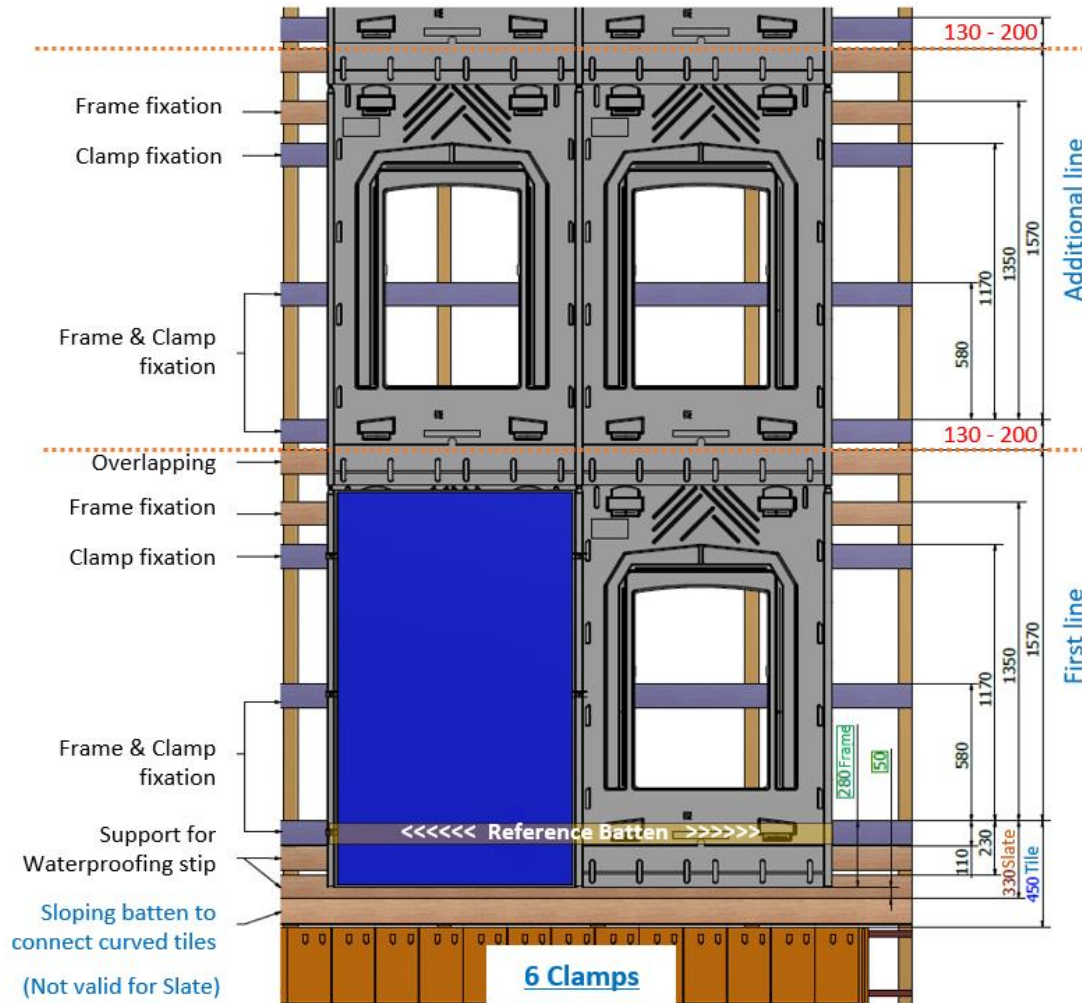
➤ **Batten width**<sup>1</sup> = 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1686

H1686 – 6 Clamps GSE frame references :  
1686/1016



Panel length	First line	Additional line	Adjustment
$\leq 1686$	450 (or 330) + 1570	130 + 1570	0
1696	450 (or 330) + 1570	140 + 1570	10
1706	450 (or 330) + 1570	150 + 1570	20
1716	450 (or 330) + 1570	160 + 1570	30
1726	450 (or 330) + 1570	170 + 1570	40
1736	450 (or 330) + 1570	180 + 1570	50
1746	450 (or 330) + 1570	190 + 1570	60
1756	450 (or 330) + 1570	200 + 1570	70

➤ **Batten width**<sup>1</sup> = 100mm

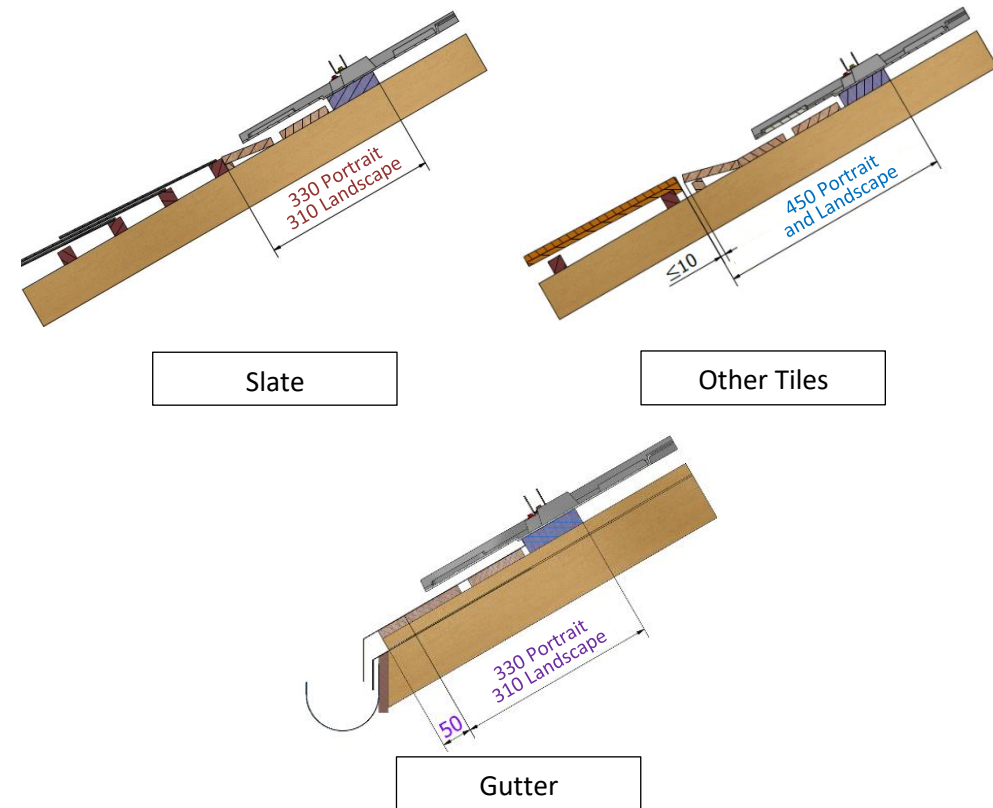
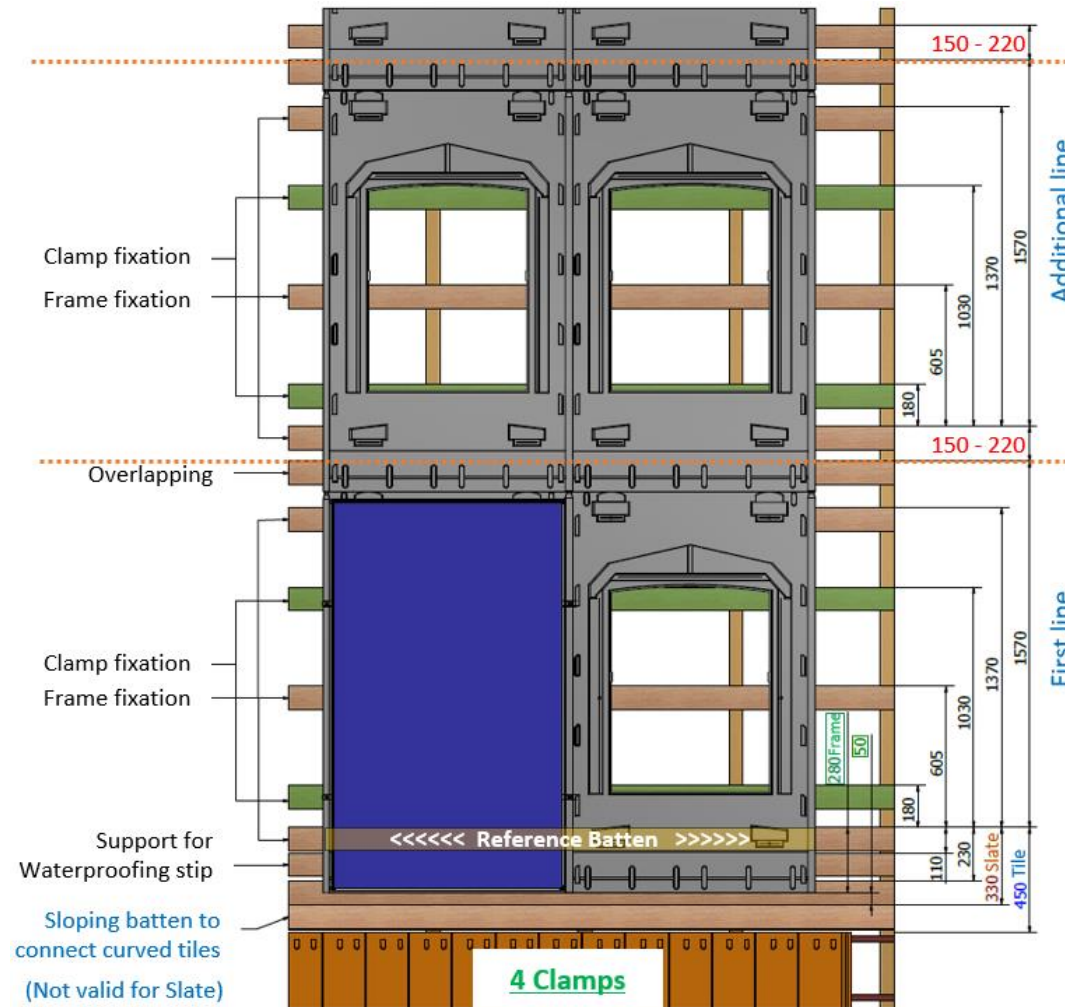
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.

# Battening Plan – Portrait Frame H1710

H1710 – 4 Clamps GSE frame references :

1710/995 – 1710/1000 – 1710/1005 – 1710/1010 – 1710/1020 – 1710/1025 – 1710/1030 – 1710/1040 – 1710/1045 – 1710/1050 – 1710/1055



Panel length	First line	Additional line	Adjustment
$\leq 1710$	450 (or 330) + 1570	150 + 1570	0
1720	450 (or 330) + 1570	160 + 1570	10
1730	450 (or 330) + 1570	170 + 1570	20
1740	450 (or 330) + 1570	180 + 1570	30
1750	450 (or 330) + 1570	190 + 1570	40
1760	450 (or 330) + 1570	200 + 1570	50
1770	450 (or 330) + 1570	210 + 1570	60
1780	450 (or 330) + 1570	220 + 1570	70

➤ **Batten width**<sup>1</sup> = 100mm

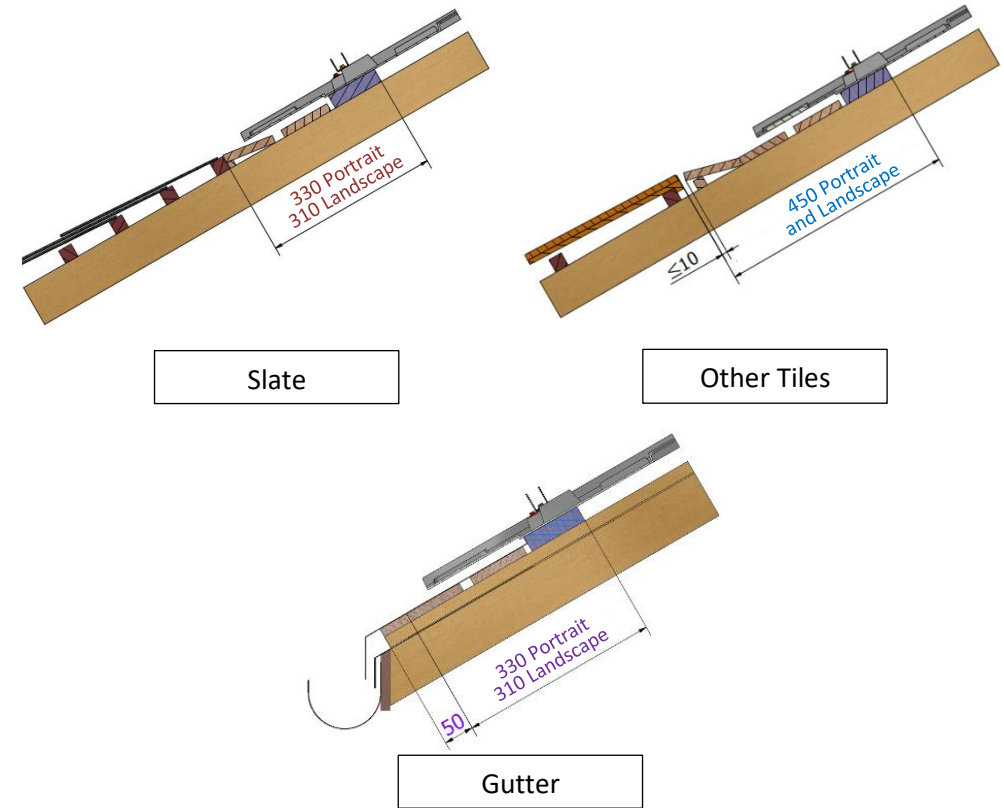
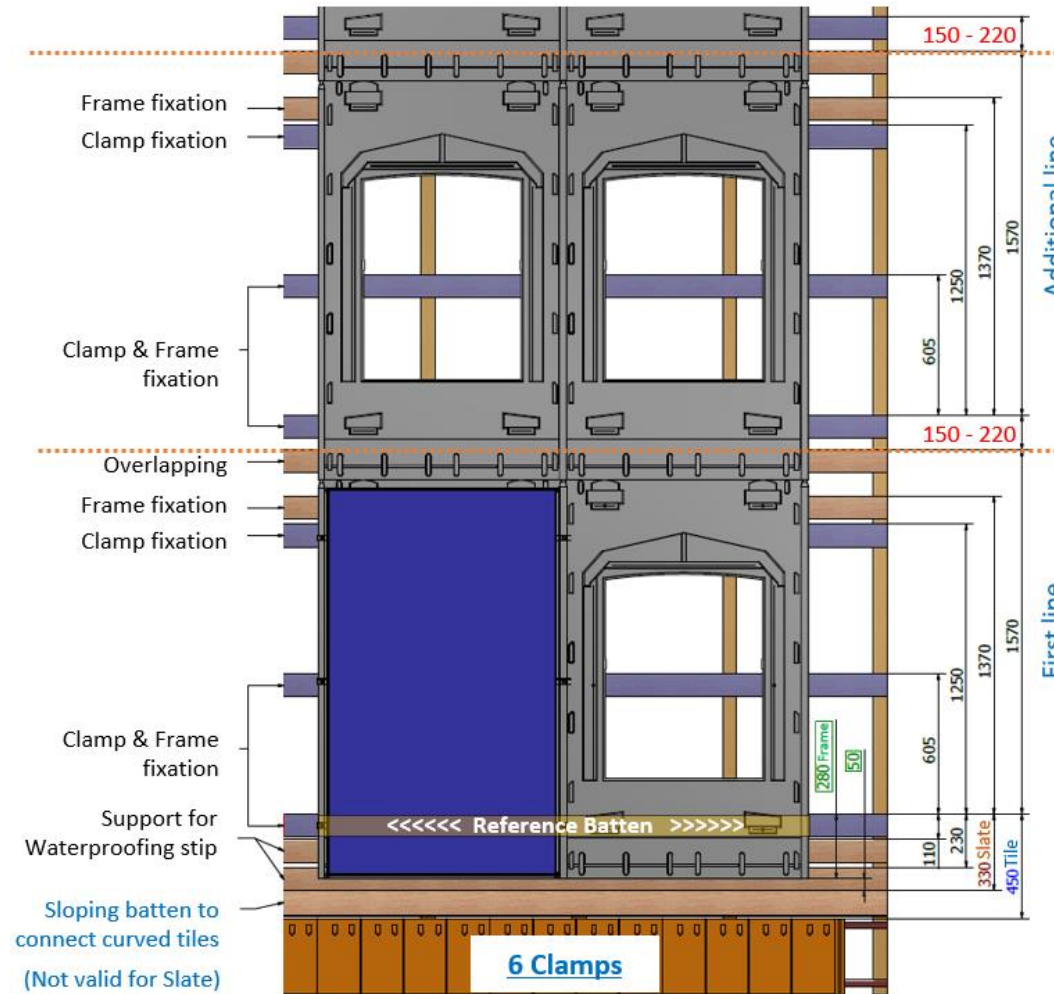
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

# Battening Plan – Portrait Frame H1710

H1710 – 6 Clamps GSE frame references :

1710/995 – 1710/1000 – 1710/1005 – 1710/1010 – 1710/1020 – 1710/1025 – 1710/1030 – 1710/1040 – 1710/1045 – 1710/1050 – 1710/1055



Panel length	First line	Additional line	Adjustment
≤1710	450 (or 330) + 1570	150 + 1570	0
1720	450 (or 330) + 1570	160 + 1570	10
1730	450 (or 330) + 1570	170 + 1570	20
1740	450 (or 330) + 1570	180 + 1570	30
1750	450 (or 330) + 1570	190 + 1570	40
1760	450 (or 330) + 1570	200 + 1570	50
1770	450 (or 330) + 1570	210 + 1570	60
1780	450 (or 330) + 1570	220 + 1570	70

➤ **Batten width**<sup>1</sup> = 100mm

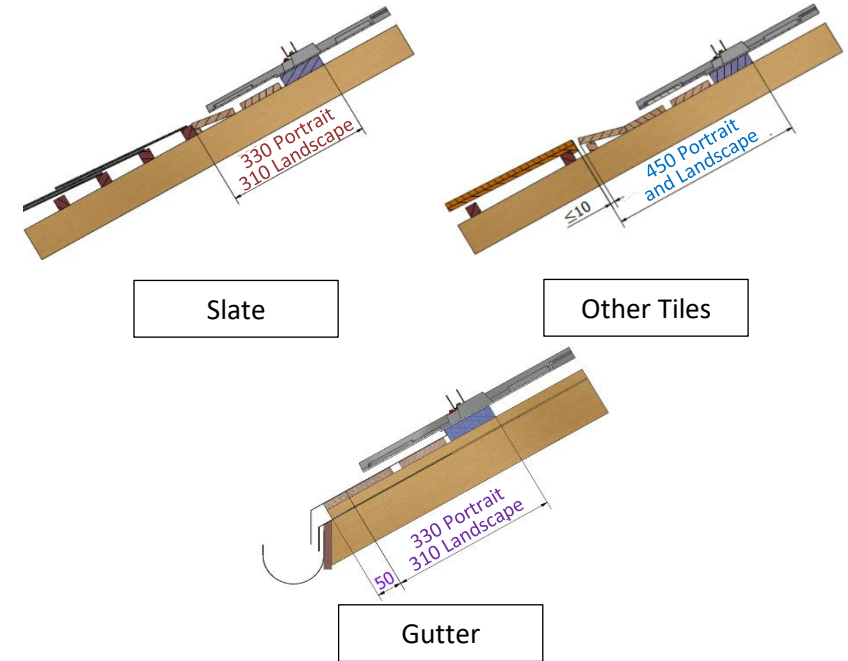
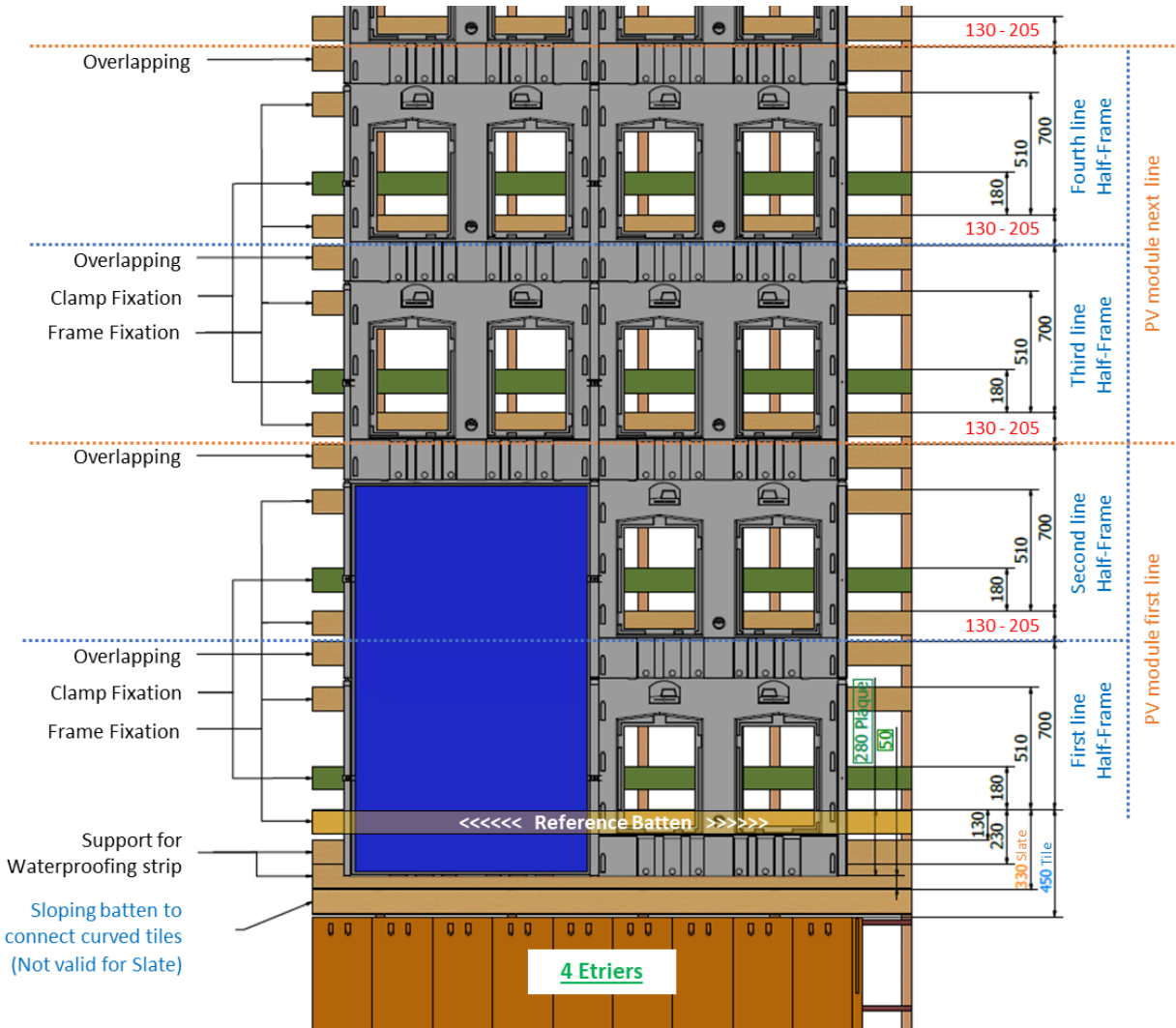
**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Intégration.

# Battening Plan - Half-Portrait Frame H1650

H1650 – 4 Clamps GSE frame references :

1650/995 – 1650/1070 – 1650/1100 – 1650/1135 – 1650/1140 – 1650/1160



Panel length	First line	Additional line	Adjustment
≤1650	450 (or 330) + 700	130 + 700	0
1660	450 (or 330) + 700	135 + 700	5
1670	450 (or 330) + 700	140 + 700	10
1680	450 (or 330) + 700	145 + 700	15
1690	450 (or 330) + 700	150 + 700	20
1700	450 (or 330) + 700	155 + 700	25
1710	450 (or 330) + 700	160 + 700	30
1720	450 (or 330) + 700	165 + 700	35
1730	450 (or 330) + 700	170 + 700	40
1740	450 (or 330) + 700	175 + 700	45
1750	450 (or 330) + 700	180 + 700	50
1760	450 (or 330) + 700	185 + 700	55
1770	450 (or 330) + 700	190 + 700	60
1780	450 (or 330) + 700	195 + 700	65
1790	450 (or 330) + 700	200 + 700	70
1800	450 (or 330) + 700	205 + 700	75

➤ **Batten width** <sup>1</sup>= 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

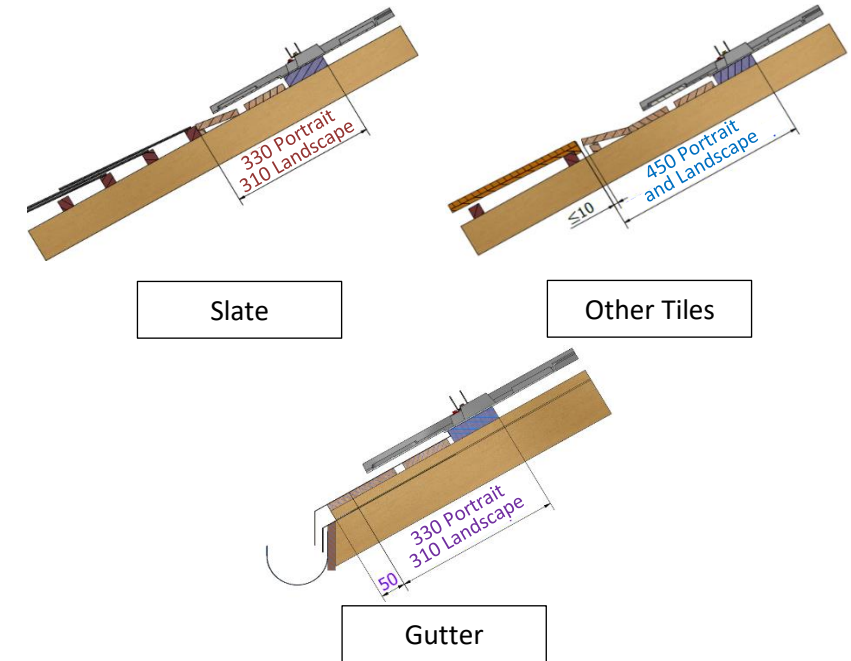
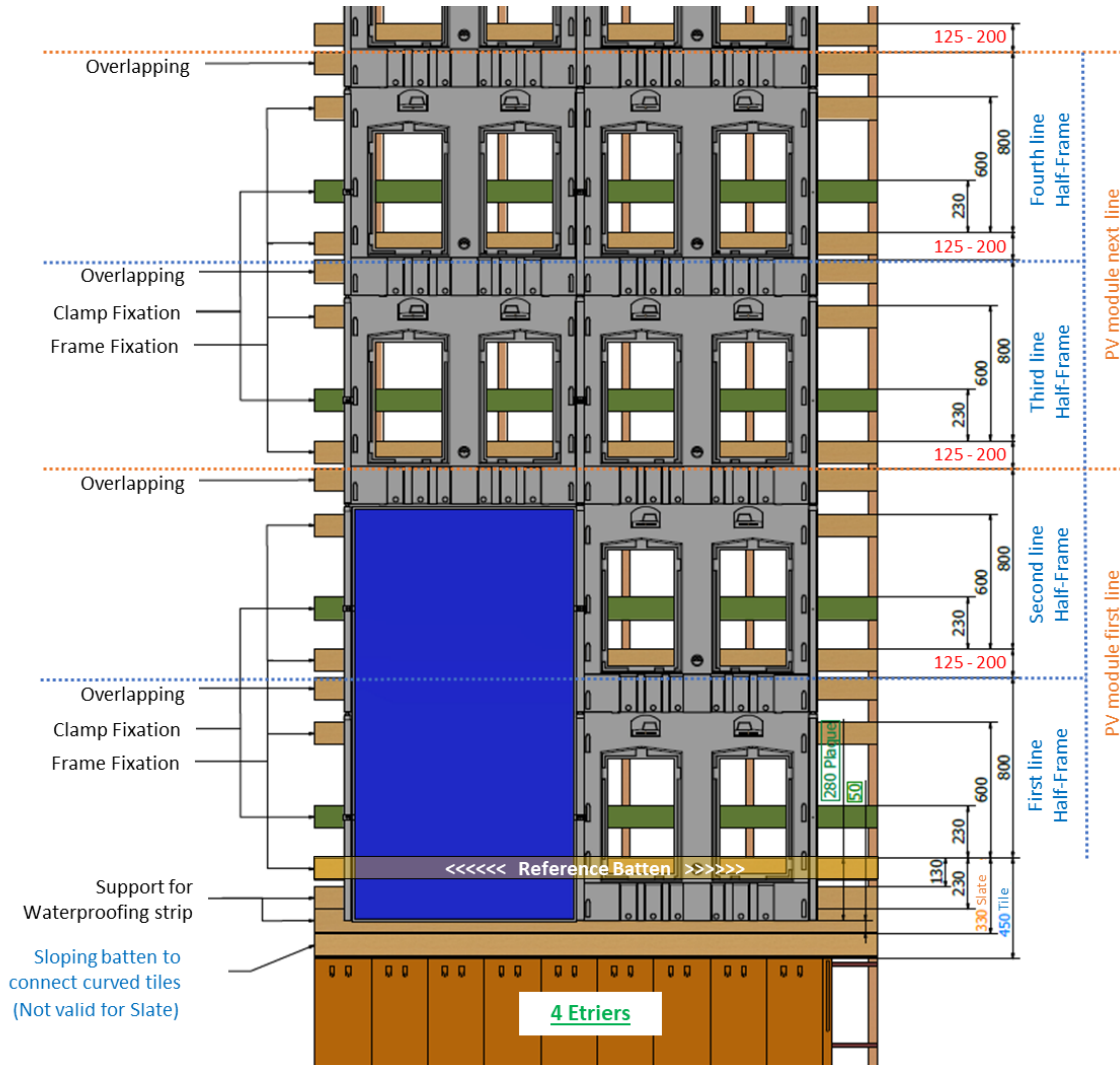
(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.



# Battening Plan - Half-Portrait Frame H1840

H1840 – 4 Clamps GSE frame references :

1840/995 – 1840/1020 – 1840/1030 – 1840/1045 – 1840/1050 – 1840/1070 – 1840/1135



Panel length	First line	Additional line	Adjustment
≤1840	450 (or 330) + 800	125 + 800	0
1850	450 (or 330) + 800	130 + 800	5
1860	450 (or 330) + 800	135 + 700	10
1870	450 (or 330) + 800	140 + 800	15
1880	450 (or 330) + 800	145 + 800	20
1890	450 (or 330) + 800	150 + 800	25
1900	450 (or 330) + 800	155 + 800	30
1910	450 (or 330) + 800	160 + 800	35
1920	450 (or 330) + 800	165 + 800	40
1930	450 (or 330) + 800	170 + 800	45
1940	450 (or 330) + 800	175 + 800	50
1950	450 (or 330) + 800	180 + 800	55
1960	450 (or 330) + 800	185 + 800	60
1970	450 (or 330) + 800	190 + 800	65
1980	450 (or 330) + 800	195 + 800	70
1990	450 (or 330) + 800	200 + 800	75

➤ **Batten width** <sup>1</sup>= 100mm

**N.B.:** the red dimension has to be adjusted according to the panel length: (mm)

(1) The dimension of the batten must comply with the Eurocode specifications according to the wind and snow zones of the Country. Recommendations are given in the installation manual of the GSE In-Roof System. For any questions, please, contact the technical support of GSE Integration.

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# GSE Intégration

**GSE IN-ROOF SYSTEM** is a patented development  
project of **GSE INTÉGRATION**

Your distributor :