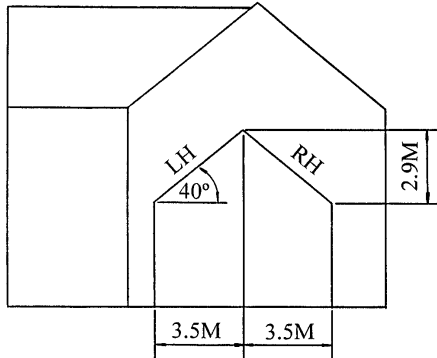


STEPPED CAVITY TRAYS CALCULATION 75mm COURSING

Cavity tray quantities can be calculated by using either the vertical or horizontal measurement of the abutment. If the vertical dimension is known, (Apex to gutter), simply divide the height by the brick course height being used as shown below.



Example:

$$2.9\text{M} \div 0.075\text{M (brick course height)} = \underline{39}$$

That means you will need **39** x GW291 Intermediate trays for the RH side of the pitched roof abutment.

And **39** x GW292 Intermediate trays for the LH side of the abutment.

If the horizontal dimension and pitch are known, the number of trays can be calculated from the table below. Care should be taken to select the correct row of information.

Example: 3.5M span at a 40° pitch = **39** trays for one side of the pitched roof abutment.

| SPAN METRES | PITCH | 17.5 | 20 | 22.5 | 25 | 27.5 | 30 | 32.5 | 35 | 37.5 | 40 | 42.5 | 45 | 47.5 | 50 |
|-------------|-------|------|----|------|----|------|----|------|----|------|----|------|-----|------|-----|
| | 1 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 14 |
| 1.5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 16 | 18 | 19 | 21 | 21 | 23 |
| 2 | 8 | 9 | 11 | 12 | 13 | 15 | 17 | 18 | 20 | 22 | 24 | 26 | 29 | 29 | 31 |
| 2.5 | 10 | 12 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 30 | 33 | 36 | 36 | 39 |
| 3 | 12 | 14 | 16 | 18 | 20 | 23 | 25 | 27 | 30 | 33 | 36 | 39 | 43 | 43 | 47 |
| 3.5 | 14 | 16 | 19 | 22 | 24 | 26 | 29 | 32 | 36 | 39 | 43 | 46 | 50 | 50 | 55 |
| 4 | 16 | 19 | 21 | 25 | 27 | 30 | 33 | 37 | 41 | 44 | 49 | 53 | 57 | 57 | 63 |
| 4.5 | 18 | 21 | 24 | 28 | 31 | 34 | 38 | 41 | 46 | 50 | 55 | 59 | 65 | 65 | 71 |
| 5 | 20 | 23 | 27 | 31 | 34 | 38 | 42 | 46 | 51 | 55 | 61 | 66 | 72 | 72 | 79 |
| 5.5 | 23 | 26 | 30 | 34 | 37 | 42 | 46 | 51 | 56 | 61 | 67 | 73 | 79 | 79 | 87 |
| 6 | 25 | 28 | 32 | 37 | 41 | 46 | 50 | 55 | 61 | 67 | 73 | 79 | 86 | 86 | 95 |
| 6.5 | 27 | 31 | 35 | 40 | 44 | 50 | 55 | 60 | 66 | 72 | 79 | 86 | 94 | 94 | 103 |
| 7 | 29 | 33 | 38 | 44 | 48 | 53 | 59 | 65 | 72 | 78 | 86 | 93 | 101 | 101 | 111 |

Also required will be one GW293 Catchment Tray per side. If the roof abutment ends at a corner then a GW293 CC Corner Catchment tray would be required instead of a standard catchment tray. (See sheet MBP 8049 for more detailed information.)

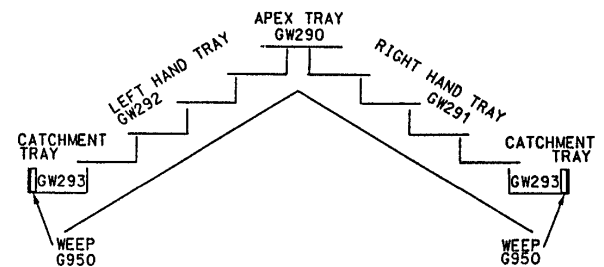
A G950 Weep Vent must be used in conjunction with all catchment trays to drain away the collected water safely.

Lastly a GW290 Apex Tray should be used if the abutment terminates at an apex. (See sheet MBP 8051 for more detailed information.)

All trays can be supplied unleaded or with lead attached.

Please specify the type of lead required when ordering leaded trays and the pitch required.

The lead flashing is available in either code 4 or code 5 (special order).



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DRN M.A

Date 01.08.03

DRG No

Issue

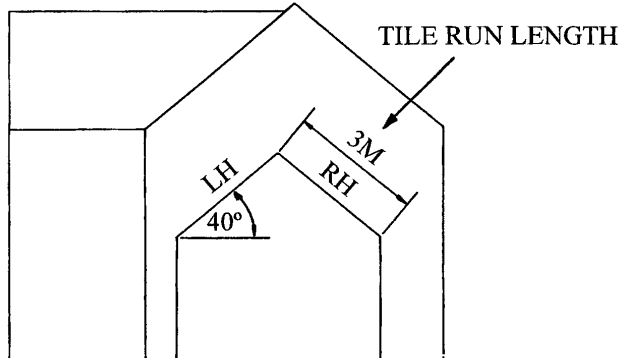
The company maintains a policy of continuous development of its product range and reserves the right to amend the specification without notice.

MBP 8044

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STEPPED CAVITY TRAYS CALCULATION 75mm COURSING FROM TILE RUN LENGTH

Cavity tray quantities can be calculated by using the angle of the roof and the dimension tile run length of the abutment.



When the length of the tile run and pitch are known the number of trays can be calculated from the table below. Care should be taken to select the correct row of information.

Example:

3M tile run at a **40°** pitch = **25** Intermediate trays for one side of the pitched roof abutment.

| | PITCH | 17.5 | 20 | 22.5 | 25 | 27.5 | 30 | 32.5 | 35 | 37.5 | 40 | 42.5 | 45 | 47.5 | 50 |
|-----------------|-------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|
| TILE RUN LENGTH | 1 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| | 1.5 | 5 | 6 | 7 | 7 | 2 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 14 | 14 |
| | 2 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 19 |
| | 2.5 | 9 | 10 | 12 | 13 | 14 | 16 | 17 | 18 | 19 | 20 | 22 | 23 | 24 | 25 |
| | 3 | 11 | 13 | 14 | 16 | 17 | 19 | 20 | 22 | 23 | 25 | 26 | 27 | 28 | 30 |
| | 3.5 | 13 | 15 | 17 | 19 | 21 | 22 | 24 | 26 | 27 | 29 | 31 | 32 | 33 | 35 |
| | 4 | 15 | 17 | 19 | 22 | 24 | 26 | 28 | 30 | 31 | 33 | 35 | 37 | 38 | 40 |
| | 4.5 | 17 | 20 | 22 | 24 | 27 | 29 | 31 | 33 | 36 | 38 | 40 | 41 | 43 | 45 |
| | 5 | 19 | 22 | 25 | 27 | 30 | 32 | 35 | 37 | 40 | 42 | 44 | 46 | 48 | 50 |
| | 5.5 | 21 | 24 | 27 | 30 | 33 | 36 | 38 | 41 | 44 | 46 | 49 | 51 | 53 | 55 |
| | 6 | 23 | 26 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 50 | 53 | 56 | 58 | 60 |
| | 6.5 | 25 | 29 | 32 | 36 | 39 | 42 | 46 | 49 | 52 | 55 | 58 | 60 | 63 | 65 |
| | 7 | 27 | 31 | 35 | 38 | 42 | 46 | 49 | 53 | 56 | 59 | 62 | 65 | 68 | 70 |
| | 7.5 | 29 | 33 | 37 | 41 | 45 | 49 | 53 | 56 | 60 | 63 | 67 | 70 | 73 | 76 |
| | 8 | 31 | 35 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 71 | 74 | 78 | 81 |
| | 8.5 | 33 | 38 | 42 | 47 | 51 | 56 | 60 | 64 | 68 | 72 | 76 | 79 | 83 | 86 |
| 9 | 35 | 40 | 45 | 50 | 54 | 59 | 63 | 68 | 72 | 76 | 80 | 84 | 87 | 91 | |
| 9.5 | 37 | 42 | 47 | 53 | 57 | 62 | 67 | 72 | 76 | 80 | 85 | 89 | 92 | 96 | |
| 10 | 39 | 45 | 50 | 55 | 61 | 66 | 71 | 75 | 80 | 85 | 89 | 93 | 97 | 101 | |

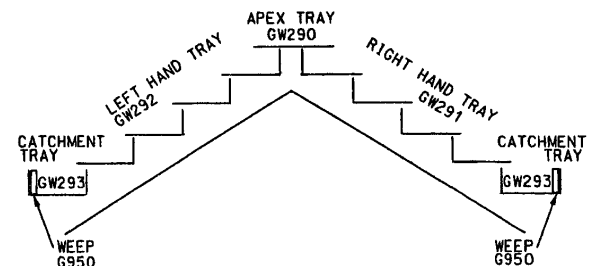
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DRN M.A

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MBP 8149

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