**Flashing / Punching Patterns**

**Flashing**

D

C

A

B

E

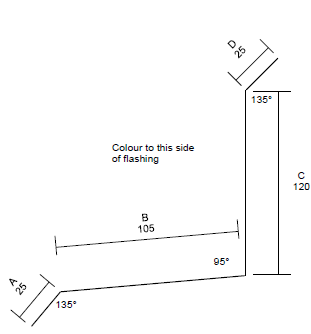
F

G

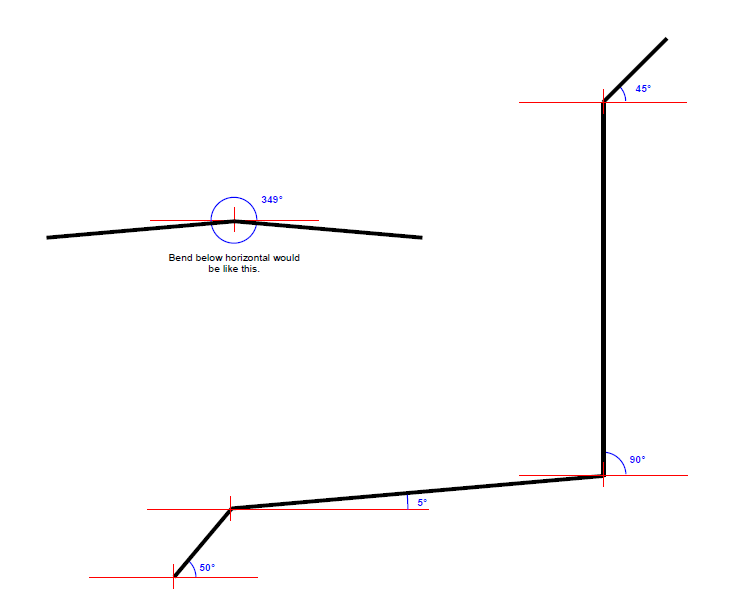
Clr

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Len** | **Value/Example** | **Comments** |
| Field | 3 | FLS |  |
| *Angle to horizontal* | 3 | 050 | Starting anti-clockwise angle to horizontal line (Deg) |
| *Length side A* | 4 | 0025 | mM |
| *Angle A to B* | 3 | 005 | Deg |
| *Length side B* | 4 | 0105 | mM |
| *Angle B to C* | 3 | 090 | Deg |
| *Length side C* | 4 | 0120 | mM |
| *Angle C to D* | 3 | 045 | Deg |
| *Length side D* | 4 | 0025 | mM |
| *Angle D to E* | 3 |  | Deg |
| *Length side E* | 4 |  | mM |
| *Angle E to F* | 3 |  | Deg |
| *Length side F* | 4 |  | mM |
| *Angle F to G* | 3 |  | Deg |
| *Length side G* | 4 |  | mM |
| *Angle G to H* | 3 |  | Deg |
| *Length side H* | 4 |  | mM |
| *Angle H to I* | 3 |  | Deg |
| *Length side I* | 4 |  | mM |
| *Angle I to J* | 3 |  | Deg |
| *Length side J* | 4 |  | mM |
| *Crush fold at start* | 1 | N | Y or N |
| *Crush fold at end* | 1 | N | Y or N |
| *Paint can X coord* | 5 |  | X coordinate of paint can symbol |
| *Paint can Y coord* | 5 |  | Y coordinate of paint can symbol |
| *Tapered flashing* | 1 | N | Y or N |
| *Taper length A* | 4 |  | Length of taper side A (mM) |
| *Taper length B* | 4 |  | Length of taper side B (mM) |
| *Taper length C* | 4 |  | Length of taper side C (mM) |
| *Taper length D* | 4 |  | Length of taper side D (mM) |
| *Taper length E* | 4 |  | Length of taper side E (mM) |
| *Taper length F* | 4 |  | Length of taper side F (mM) |
| *Taper length G* | 4 |  | Length of taper side G (mM) |
| *Taper length H* | 4 |  | Length of taper side H (mM) |
| *Taper length I* | 4 |  | Length of taper side I (mM) |
| *Taper length J* | 4 |  | Length of taper side J (mM) |
| *Variable angle* | 3 |  | Variable angle (Deg) |
| Comment | 48 | “This is a 48 character length comment to test." | Free format comment |

**Corresponding Visual Examples to table the above:**



*Below is what the Angles are based upon, it’s the angle from the horizontal (0 degree).*



**GS1 (XML or JSON) ‘FLS’ equivalent field value:** 050,0025,005,0105,090,0120,045,0025,,,,,,,,,,,,N,N,,,N,,,,,,,,,,,,,"This is a 48 character length comment to test."

**Implementation Comments**

* If the Product Code, and all the *italicised* fields above, are the same on multiple FLS order line items in the Purchase Order document then the flashings are considered to be identical and can be combined onto the one LYVES Sales Order Line.
* You will not need to send through the number of bends, this is worked out for you based on how many populated angles you provide.
* The angles to specify is always the angle from the horizontal line (0 Degree), these are always a positive value between 0⬄ 360 degrees.
* So that the order of the flashing information coming through is aligns please provide a closing comma to specify that the field is null and not needed, as shown in the example GS1 value.

**Punch Pattern / Descriptions**

Each description is optional. For instance, a record can be sent with a Left Description, but no Mark or Right Description.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Length** | **Value** | **Comments** |
| Field | - | DES |  |
| Mark No. | 10 | e.g. GG-001 | Architect’s mark, to be printed onto the purlin. |
| Left Description | 10 | e.g. NORTH | On the punching diagram, prints on the left end of the purlin |
| Right Description | 10 | e.g. REAR | On the punching diagram, prints on the right end of the purlin |

**Punch Pattern**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Length** | **Value** | **Comments** |
| Field | - | PUN |  |
| Pattern Details | 175 | e.g.  1F35-2C1790-3W2200-4Z4000-5V260-6V5500-7F3700-8X830-9F729 | **Format:**  {HoleNumber}{PunchingType}{DistanceToTheLeft}-{HoleNumber}{PunchingType}{DistanceToTheLeft}..............  Limited to 175 characters  **HoleNumber:**  (Maximum of 2 characters)  Increments for each punching segment.  **PunchingType:**  (Maximum of 1 character)  F = Flange  C= Centre  W= Web  Z= Centre and Web  U= two lots of Web only on C250  V= Centre and Flange  X= Web and flange  Y = Web, flange and Centre  T= Two lots of Web and Flange only on C250  **DistanceToTheLeft:**  Minimum Distance = 35mm  Maximum Distance = 99999mm  35⬄99999 |