

| W1 - quantity2                                                                                                                                                                                                                                                                                                                                                                                                    | W2 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                | W3 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                | W4 - quantity1                                                                                                                                                                                                                                                                                                                                                                                               | W5 - quantity1                                                                                                                                                                                                                                                                                                                                                                                            | W6 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                    | W7 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                    | W8 - quantity1                                                                                                                                                                                                                                                                                                                                                                                            |
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| <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W1</p> <p>QUANTITY: 2</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 3960mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 1.00m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panes</p> <p>ORIENTATION: East, West</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W2</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 740mm x 850mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 3.70m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with side hung panels</p> <p>ORIENTATION: North</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W3</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 1260mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.25m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: North</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W4</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 3110mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.75m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: West</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W5</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 2305mm x 255mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.59m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with fixed panels</p> <p>ORIENTATION: West</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W6</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 1215mm x 935mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.66m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with side hung panels</p> <p>ORIENTATION: Internal</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W7</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 2650mm x 935mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.66m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with side hung panels</p> <p>ORIENTATION: Internal</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W8</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 2305mm x 255mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.59m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with fixed panels</p> <p>ORIENTATION: East</p> |

| W9 - quantity2                                                                                                                                                                                                                                                                                                                                                                                               | W10 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                | W11 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                 | W12 - quantity2                                                                                                                                                                                                                                                                                                                                                                                             | W13 - quantity1                                                                                                                                                                                                                                                                                                                                                                                            | W14 - quantity2                                                                                                                                                                                                                                                                                                                                                                                                     | W15 - quantity1                                                                                                                                                                                                                                                                                                                                                                                               | W16 - quantity1                                                                                                                                                                                                                                                                                                                                                                                               | W17 - quantity1                                                                                                                                                                                                                                                                                                                                                                                       |
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| <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W9</p> <p>QUANTITY: 2</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 580mm x 850mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.26m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with side hung panels</p> <p>ORIENTATION: East</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W10</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 1590mm x 340mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.54m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: North</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W11</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 3700mm x 1080mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 3.06m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with fixed panels</p> <p>ORIENTATION: Internal</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W12</p> <p>QUANTITY: 2</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 600mm x 1980mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.82m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with fixed panels</p> <p>ORIENTATION: North</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W13</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 2320mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.99m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with fixed panels</p> <p>ORIENTATION: West</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W14</p> <p>QUANTITY: 2</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 800mm x 1215mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 1.72m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: West, East</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W15</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 2890mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 1.23m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: East</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W16</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 4010mm x 425mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 1.70m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: East</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W17</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 860mm x 2330mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 2.00 m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made fixed window</p> <p>ORIENTATION: North-West</p> |

| W18 - quantity1                                                                                                                                                                                                                                                                                                                                                                                                      | W19 - quantity1                                                                                                                                                                                                                                                                                                                                                                                        | W20 - quantity1                                                                                                                                                                                                                                                                                                                                                                                               |
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|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W18</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 1200mm x 340mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 0.41 m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made window with top hung panels</p> <p>ORIENTATION: South-West</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W19</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 3700mm x 1080mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 4.00 m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made fixed skylight</p> <p>ORIENTATION: Skylight</p> | <p>ALL DIMENSIONS TO BE TAKEN ON SITE</p> <p>WINDOW NO. W20</p> <p>QUANTITY: 1</p> <p>FRAME: Aluminium</p> <p>COLOUR: Charcoal</p> <p>OVERALL SIZE: 3700mm x 1135mm</p> <p>GLAZING: Glass as per NBR PART-N and fenestration calculations.</p> <p>FENESTRATION AREA (m²): 4.20 m²</p> <p>SPECIFICATIONS : Custom made</p> <p>DESCRIPTION : Custom made fixed window panels</p> <p>ORIENTATION: South-East</p> |

## WINDOW SCHEDULE

SCALE 1:50

| FENESTRATIONS SCHEDULE - Ground Floor - Main House |         |        |                                                         |                    |           |             |            |      |       |       |        |      |       |
|----------------------------------------------------|---------|--------|---------------------------------------------------------|--------------------|-----------|-------------|------------|------|-------|-------|--------|------|-------|
| TAG                                                | WIDTH   | HEIGHT | FRAME-GLAZING                                           | OVERHANG           | U-VALUE   | SHGC        | O          | P/H  | A     | C     | LU P/H | E    | AXSXE |
| D1/L/1                                             | 2430    | 2125   | HINGED W/D: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 135                | 4.02      | 0.49        | North-East | 0.05 | 5.16  | 20.74 | 0.05   | 0.97 | 2.45  |
| D3/L                                               | 2787    | 2125   | HINGED W/D: 6.38mm Clear (Single)                       | 135                | 5.93      | 0.57        | South-West | 0.05 | 5.92  | 35.11 | 0.05   | 0.96 | 3.24  |
| D4/L                                               | 6235.07 | 2125   | HINGED W/D: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 4317.96            | 4.02      | 0.50        | South-West | 1.64 | 13.25 | 53.27 | 1.60   | 0.31 | 2.05  |
| D8/L                                               | 1440    | 2125   | HINGED W/D: 6.38mm Clear (Single)                       | 438.61             | 5.93      | 0.57        | South-East | 0.17 | 3.06  | 18.15 | 0.15   | 0.69 | 1.20  |
| D9/L                                               | 900     | 2125   | HINGED W/D: 6.38mm Clear (Single)                       | 135.1              | 5.93      | 0.57        | South-East | 0.05 | 1.91  | 11.33 | 0.05   | 0.78 | 0.85  |
| W10/L                                              | 1590    | 340    | HINGED W/D: 6.38mm Clear (Single)                       | 135                | 5.93      | 0.57        | North-East | 0.16 | 0.54  | 3.20  | 0.15   | 0.83 | 0.26  |
| W2/L                                               | 740     | 850    | HINGED W/D: 6.38mm Clear (Single)                       | 600                | 5.93      | 0.57        | North-East | 0.44 | 0.63  | 3.74  | 0.40   | 0.58 | 0.21  |
| W3/L                                               | 1300    | 425    | HINGED W/D: 6.38mm Clear (Single)                       | 635                | 5.93      | 0.57        | North-East | 0.69 | 0.55  | 3.26  | 0.60   | 0.43 | 0.13  |
| W4/L                                               | 3110    | 425    | HINGED W/D: 6.38mm Clear (Single)                       | 135                | 5.93      | 0.57        | North-West | 0.15 | 1.32  | 7.83  | 0.15   | 0.97 | 0.73  |
| W6/L                                               | 1215.14 | 935    | HINGED W/D: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 4349.38            | 4.02      | 0.49        | South-West | 3.03 | 1.14  | 4.58  | 2.00   | 0.26 | 0.15  |
| W7/L                                               | 2649.96 | 935    | HINGED W/D: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 4376.36            | 4.02      | 0.49        | South-West | 3.05 | 2.48  | 9.97  | 2.00   | 0.26 | 0.32  |
| SUMMARY                                            |         |        |                                                         |                    |           |             |            |      |       |       |        |      |       |
| ZONE                                               | Cu      | CSHGC  | NETT FLOOR AREA                                         | TOTAL GLAZING AREA | GLAZING % | CONDUCTANCE | SHGC       |      |       |       |        |      |       |
| 4                                                  | 1.4     | 0.13   | 150.70                                                  | 35.96              | 23.86     | 171.18      | 11.59      |      |       |       |        |      |       |
|                                                    |         |        |                                                         |                    | CALCULATE | COMPLY      | COMPLY     |      |       |       |        |      |       |

## FENESTRATION CALCULATIONS / GROUND FLOOR (Main House)

| FENESTRATIONS SCHEDULE - First Floor - Main House |       |        |                                                           |                    |           |             |            |      |       |       |        |      |       |
|---------------------------------------------------|-------|--------|-----------------------------------------------------------|--------------------|-----------|-------------|------------|------|-------|-------|--------|------|-------|
| TAG                                               | WIDTH | HEIGHT | FRAME-GLAZING                                             | OVERHANG           | U-VALUE   | SHGC        | O          | P/H  | A     | C     | LU P/H | E    | AXSXE |
| D13/L                                             | 5577  | 2125   | SLIDING DOOR: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 635                | 4.47      | 0.47        | South-West | 0.30 | 11.85 | 52.97 | 0.30   | 0.75 | 4.18  |
| D15/L                                             | 3555  | 2125   | SLIDING DOOR: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 635                | 4.47      | 0.47        | South-West | 0.30 | 7.55  | 33.75 | 0.30   | 0.75 | 2.66  |
| D16/L                                             | 3595  | 2125   | SLIDING DOOR: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 635                | 4.47      | 0.47        | South-West | 0.30 | 7.64  | 34.15 | 0.30   | 0.75 | 2.69  |
| W12/L                                             | 4210  | 2890   | HINGED W/D: 6.38mm Clear + 12mm + 6.38mm Clear (Double)   | 1265               | 4.02      | 0.50        | North-East | 0.37 | 12.17 | 48.92 | 0.35   | 0.63 | 3.83  |
| W12/L                                             | 600   | 1360   | HINGED W/D: 6.38mm Clear (Single)                         | 135                | 5.93      | 0.57        | North-East | 0.07 | 0.82  | 4.86  | 0.05   | 0.97 | 0.45  |
| W12/L                                             | 600   | 1360   | HINGED W/D: 6.38mm Clear (Single)                         | 135                | 5.93      | 0.57        | North-East | 0.07 | 0.82  | 4.86  | 0.05   | 0.97 | 0.45  |
| W13/L                                             | 2320  | 425    | HINGED W/D: 6.38mm Clear (Single)                         | 135                | 5.93      | 0.57        | North-West | 0.15 | 0.99  | 5.87  | 0.15   | 0.97 | 0.55  |
| W14/L                                             | 825   | 2125   | HINGED W/D: 6.38mm Clear (Single)                         | 765                | 5.93      | 0.57        | South-East | 0.36 | 1.75  | 10.38 | 0.35   | 0.57 | 0.57  |
| W14/L                                             | 825   | 2125   | HINGED W/D: 6.38mm Clear (Single)                         | 765                | 5.93      | 0.57        | North-West | 0.36 | 1.75  | 10.38 | 0.35   | 0.75 | 0.75  |
| W15/L                                             | 2890  | 425    | HINGED W/D: 6.38mm Clear (Single)                         | 100                | 5.93      | 0.57        | South-East | 0.11 | 1.23  | 7.29  | 0.10   | 0.74 | 0.52  |
| W16/L                                             | 4010  | 425    | HINGED W/D: 6.38mm Clear (Single)                         | 635                | 5.93      | 0.57        | North-East | 0.69 | 1.70  | 10.08 | 0.60   | 0.43 | 0.42  |
| W20/L                                             | 3700  | 1135   | SLIDING DOOR: 6.38mm Clear + 12mm + 6.38mm Clear (Double) | 135                | 4.47      | 0.47        | South-West | 0.12 | 4.20  | 18.77 | 0.10   | 0.91 | 1.80  |
| W9/L                                              | 580   | 850    | HINGED W/D: 6.38mm Clear (Single)                         | 725                | 5.93      | 0.57        | South-East | 0.54 | 0.49  | 2.91  | 0.50   | 0.49 | 0.14  |
| SUMMARY                                           |       |        |                                                           |                    |           |             |            |      |       |       |        |      |       |
| ZONE                                              | Cu    | CSHGC  | NETT FLOOR AREA                                           | TOTAL GLAZING AREA | GLAZING % | CONDUCTANCE | SHGC       |      |       |       |        |      |       |
| 4                                                 | 1.4   | 0.13   | 165.75                                                    | 52.96              | 15        | 232.05      | 21.55      |      |       |       |        |      |       |
|                                                   |       |        |                                                           |                    | CALCULATE | COMPLY      | COMPLY     |      |       |       |        |      |       |

## FENESTRATION CALCULATIONS / FIRST FLOOR (Main House)

| FENESTRATIONS SCHEDULE - Ground Floor - Domestic |       |        |                                   |                    |           |             |            |      |      |      |        |      |       |
|--------------------------------------------------|-------|--------|-----------------------------------|--------------------|-----------|-------------|------------|------|------|------|--------|------|-------|
| TAG                                              | WIDTH | HEIGHT | FRAME-GLAZING                     | OVERHANG           | U-VALUE   | SHGC        | O          | P/H  | A    | C    | LU P/H | E    | AXSXE |
| W18/L                                            | 1200  | 935    | HINGED W/D: 6.38mm Clear (Single) | 135                | 5.93      | 0.57        | North-East | 0.09 | 1.12 | 6.64 | 0.05   | 0.97 | 0.62  |
| W9/L                                             | 580   | 850    | HINGED W/D: 6.38mm Clear (Single) | 435                | 5.93      | 0.57        | South-East | 0.32 | 0.49 | 2.91 | 0.30   | 0.59 | 0.16  |
| SUMMARY                                          |       |        |                                   |                    |           |             |            |      |      |      |        |      |       |
| ZONE                                             | Cu    | CSHGC  | NETT FLOOR AREA                   | TOTAL GLAZING AREA | GLAZING % | CONDUCTANCE | SHGC       |      |      |      |        |      |       |
| 4                                                | 1.4   | 0.13   | 13.02                             | 1.61               | 12.37     | 9.55        | 0.78       |      |      |      |        |      |       |
|                                                  |       |        |                                   |                    | CALCULATE | COMPLY      | COMPLY     |      |      |      |        |      |       |

## FENESTRATION CALCULATIONS / Domestic

## REVISIONS:

|           |                                   |            |
|-----------|-----------------------------------|------------|
| REV 01-01 | W17/L Added                       | 2022/10/14 |
| REV 01-02 | W18/L Added                       | 2022/10/14 |
| REV 01-03 | W19/L Added                       | 2022/10/14 |
| REV 01-04 | W20/L Added                       | 2022/10/14 |
| REV 01-05 | W21/L Amended                     | 2022/10/14 |
| REV 01-06 | W21/L Amended                     | 2022/10/14 |
| REV 01-07 | W10/L Amended                     | 2022/10/14 |
| REV 01-08 | Fenestration calculations updated | 2022/10/14 |
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