

| ITEM | DESCRIPTION                                                                                                                              | QTY | UNIT  | RATE | AMOUNT |
|------|------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|------|--------|
|      | <b><u>PROPOSED CONSTRUCTION OF RURAL<br/>AGREGGATION CENTERS</u></b>                                                                     |     |       |      |        |
|      | <b><u>ELEMENT NO. 1</u></b>                                                                                                              |     |       |      |        |
|      | <b><u>SUBSTRUCTURE [ALL PROVISIONAL]</u></b>                                                                                             |     |       |      |        |
| A    | Clear site of all shrubs, bushes undergrowth small trees not exceeding 600mm girth, large stone rubbish, debris etc and remove from site | 70  | sq.m  |      | -      |
|      | <b><u>Excavation</u></b>                                                                                                                 |     |       |      |        |
| B    | Excavate top soil to remove vegetable matter average 150mm                                                                               | 70  | sq.m  |      | -      |
| C    | Excavate trench for foundation maximum depth not exceeding 650mm commencing from the ground level                                        | 13  | cub.m |      | -      |
| D    | Ditto but for column bases not exceeding 1000mm commencing from the ground level                                                         | 7   | cub.m |      | -      |
| E    | Apply "Dieldrex" anti-termite treatment to sides and bottom of excavation                                                                | 20  | sq.m  |      | -      |
| F    | Backfill with selected excavated materials around foundation trench                                                                      | 12  | cub.m |      | -      |
|      | <b><u>Hardcore filling</u></b>                                                                                                           |     |       |      |        |
| G    | 300mm approved rock laterite hardcore filling                                                                                            | 21  | cub.m |      | -      |
| H    | 300mm approved laterite earth filling to make up levels under floor slab, well compacted and consolidated in 150mm layers.               | 40  | cub.m |      | -      |
|      | <b><u>CONCRETE WORK</u></b>                                                                                                              |     |       |      |        |
|      | <b><u>Plain in-situ concrete [1:3:6-38mm aggregate]<br/>developing minimum 15N/sqmm works<br/>strength at 28 days</u></b>                |     |       |      |        |
| I    | 50mm thick [1:10] all in aggregate] blinding                                                                                             | 21  | sq.m  |      | -      |
| J    | Strip footing not exceeding 300mm                                                                                                        | 6   | cub.m |      | -      |

|      | Carried to Collection                                                                                                  |     |       |  | - |
|------|------------------------------------------------------------------------------------------------------------------------|-----|-------|--|---|
| ITEM | DESCRIPTION                                                                                                            | QTY | UNIT  |  |   |
|      | <b><u>Reinforced in-situ concrete [1:2:4-20mm aggregate] developing minimum 25N/sqmm works strength at 28 days</u></b> |     |       |  |   |
| K    | Isolated pad footings not exceeding 1000x1000x300mm                                                                    | 4   | cub.m |  | - |
| L    | Columns 230x230mm                                                                                                      | 0.6 | cub.m |  | - |
| M    | Concrete oversite (150mm)                                                                                              | 11  | cub.m |  | - |
|      | <b><u>REINFORCEMENT</u></b>                                                                                            |     |       |  |   |
|      | <b><u>High tesiles steel reinforcement to BS 4449 in Straight and bent positions in columns starters</u></b>           |     |       |  |   |
| N    | 10-16mm diameter bars                                                                                                  | 80  | kg    |  | - |
| O    | BRC square mesh fabric reinforcement to BS 4483 Ref: A. 193 lapped 200mm at all joint in Concrete slab                 | 140 | sq.m  |  | - |
|      | <b><u>FORMWORK</u></b>                                                                                                 |     |       |  |   |
|      | <b><u>Provide formwork to</u></b>                                                                                      |     |       |  |   |
| P    | Edges of slab not exceeding 250mm high                                                                                 | 52  | lin.m |  | - |
|      | <b><u>Burnt Bricks as Blockwork</u></b>                                                                                |     |       |  |   |
|      | <b><u>Hollow sandcrete block work filled with weak concrete in cement mortar [1:3]</u></b>                             |     |       |  |   |
| Q    | 225mm wall                                                                                                             | 23  | sq.m  |  | - |
|      | <b><u>Additional Foundation</u></b>                                                                                    |     |       |  |   |
| R    | Damp proof membrane                                                                                                    | 70  | sq.m  |  | - |
| S    | Allow for the construction of concrete ramp for ease of access                                                         | 1.4 | cub.m |  | - |
|      | Carried to Collection                                                                                                  |     |       |  | - |
|      | <b><u>COLLECTION</u></b>                                                                                               |     |       |  |   |

|      | PAGE NO. 1                                                                                                                                                    |     |       |  | - |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|--|---|
|      | PAGE NO. 2                                                                                                                                                    |     |       |  | - |
|      | <b><u>ELEMENT NO. 1 SUBSTRUCTURE</u></b>                                                                                                                      |     |       |  |   |
|      | Carried to Summary                                                                                                                                            |     |       |  | - |
| ITEM | DESCRIPTION                                                                                                                                                   | QTY | UNIT  |  |   |
|      | <b><u>ELEMENT NO.2</u></b>                                                                                                                                    |     |       |  |   |
|      | <b><u>EXTERNAL AND INTERNAL WALLS</u></b>                                                                                                                     |     |       |  |   |
|      | <b><u>CONCRETE WORK</u></b>                                                                                                                                   |     |       |  |   |
|      | <b><u>Reinforced in-situ concrete [1:2:4-20mm aggregate] grade 25 with a minimum cement content of 350kg/m3 and works strength of 25N/sq.m at 28 days</u></b> |     |       |  |   |
| A    | Lintels                                                                                                                                                       | 3   | cub.m |  | - |
| B    | 230x230mm column                                                                                                                                              | 2   | cub.m |  | - |
|      | <b><u>FORMWORK</u></b>                                                                                                                                        |     |       |  |   |
|      | <b><u>Provide formwork to</u></b>                                                                                                                             |     |       |  |   |
| C    | Sides and soffit of lintel                                                                                                                                    | 25  | sq.m  |  | - |
| D    | Sides of column                                                                                                                                               | 50  | sq.m  |  | - |
|      | <b><u>Reinforcement [Provisional]</u></b>                                                                                                                     |     |       |  |   |
|      | <b><u>High tensile steel reinforcement BS 4449 in lintel</u></b>                                                                                              |     |       |  |   |
| E    | 10mm - 16mm diameter bar                                                                                                                                      | 700 | kg    |  | - |
|      | <b><u>BRICK WORK</u></b>                                                                                                                                      |     |       |  |   |
|      | <b><u>Burnt bricks blockwork in cement and sand mortar (1:4)</u></b>                                                                                          |     |       |  |   |
| F    | 225mm wall                                                                                                                                                    | 85  | sq.m  |  | - |

**ELEMENT NO. 2 EXTERNAL AND INTERNAL WALLS**

Carried to Summary

| ITEM | DESCRIPTION                                                                                                                                                  | QTY | UNIT           |  |   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|--|---|
|      | <b>ELEMENT NO. 3 ROOF</b>                                                                                                                                    |     |                |  |   |
|      | <b>CONCRETE WORK</b>                                                                                                                                         |     |                |  |   |
|      | <u>Reinforced in-situ concrete [1:2:4-20mm aggregate] grade 25 with a minimum cement content of 350kg/m3 and works strength of 25N/sq.m at 28 days</u>       |     |                |  |   |
| A    | Roof beams                                                                                                                                                   | 3.5 | cub.m          |  | - |
|      | <u>Reinforcement [Provisional]</u><br><u>High tensile steel reinforcement BS 4449 in</u><br><u>straight and bent position placed into</u><br><u>formwork</u> |     |                |  |   |
| B    | 10 - 16mm diameter bar                                                                                                                                       | 250 | kg             |  | - |
|      | <b>Formwork</b>                                                                                                                                              |     |                |  |   |
| C    | Sides and soffits of roof beam                                                                                                                               | 35  | sq.m           |  | - |
| D    | Supply and fix 0.55 gauge long span red color aluminium roofing sheet, fix to hard wood purlin including all accessories                                     |     |                |  |   |
|      | Roof                                                                                                                                                         | 105 | m <sup>2</sup> |  |   |
|      | ditto Ridge capping                                                                                                                                          | 11  | m <sup>2</sup> |  |   |
|      | ditto Eaves angle                                                                                                                                            | 22  | m <sup>2</sup> |  |   |
| E    | <b>Carpentry and joinery</b>                                                                                                                                 |     |                |  |   |
|      | Supply and install treated 100 × 50 mm wall plates                                                                                                           | 34  | m              |  |   |
|      | Supply and install timber king-post roof trusses comp                                                                                                        | 6   | No.            |  |   |
|      | 100 × 50 mm rafters                                                                                                                                          | 54  | m              |  |   |
|      | 100 × 50 mm tie beams                                                                                                                                        | 42  | m              |  |   |
|      | 75 × 50 mm rafters                                                                                                                                           | 135 | m              |  |   |

|                               |     |     |
|-------------------------------|-----|-----|
| 75 × 50 mm purlins            | 156 | m   |
| 50 × 50 mm bracing members    | 45  | m   |
| 25 × 225 mm fascia boards     | 34  | m   |
| 50 × 225 mm barge boards      | 18  | m   |
| Timber preservative treatment | 1   | Sum |

**ELEMENT NO. 3 ROOFING**

Carried to Summary

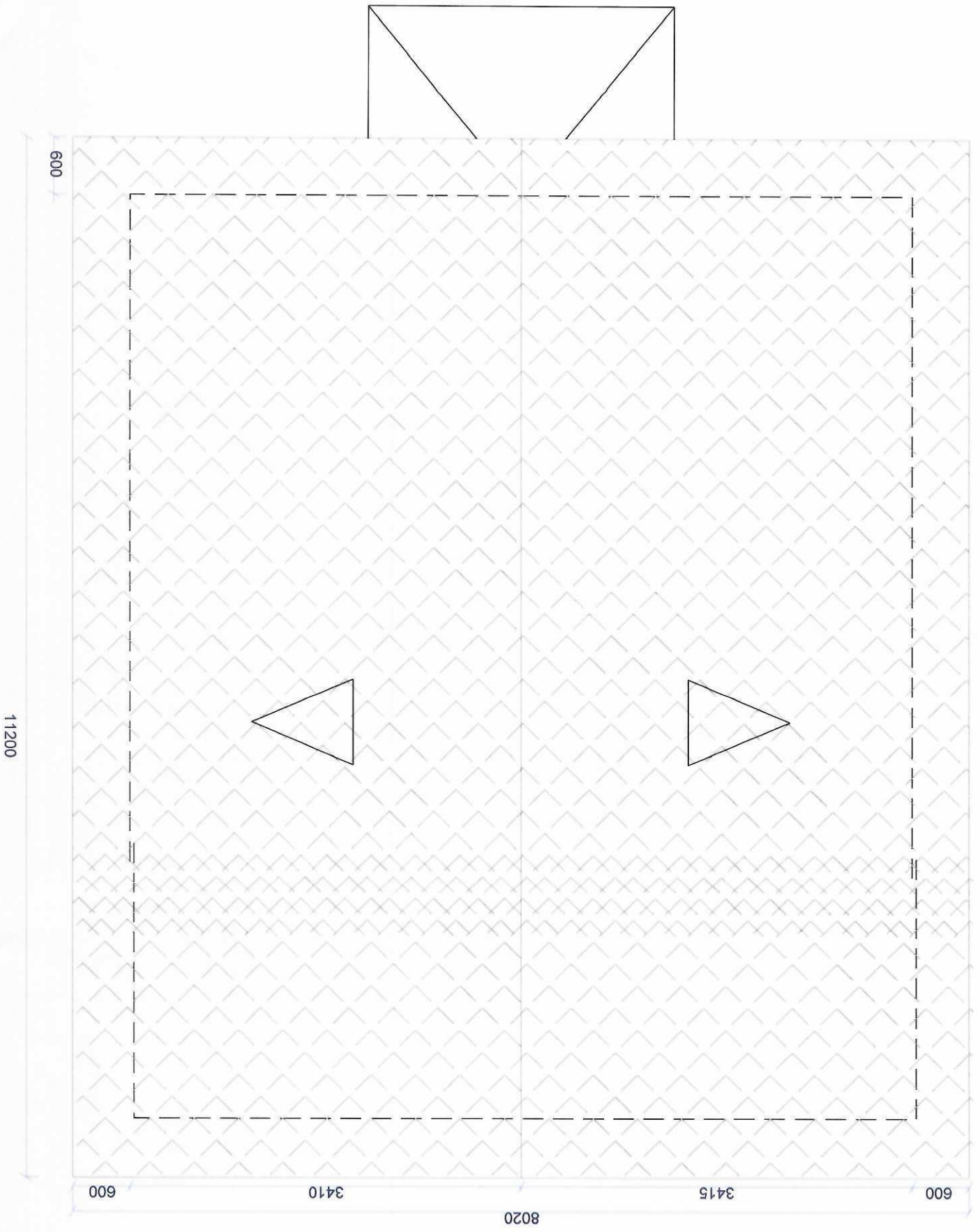
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| ITEM                                                                                                                                                        | DESCRIPTION               | QTY | UNIT |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|---|
| <b>ELEMENT NO. 4</b>                                                                                                                                        |                           |     |      |   |
| <b>WINDOWS AND DOORS</b>                                                                                                                                    |                           |     |      |   |
| <u>Supply and fix purpose made Steel windows double hung with complete frame and burglary</u>                                                               |                           |     |      |   |
| A                                                                                                                                                           | Window 1200 x 1500mm high | 8   | Nr   | - |
| Carried to Collection                                                                                                                                       |                           |     |      |   |
|                                                                                                                                                             |                           |     |      |   |
| ITEM                                                                                                                                                        | DESCRIPTION               | QTY | UNIT |   |
| <b>DOORS</b>                                                                                                                                                |                           |     |      |   |
| <u>Supply and fix the following approved purpose made swing security door with electroplated steel frames to manufacturer's fixing specifications sizes</u> |                           |     |      |   |
| A                                                                                                                                                           | 1720 x 2100mm high        | 1   | Nr   | - |

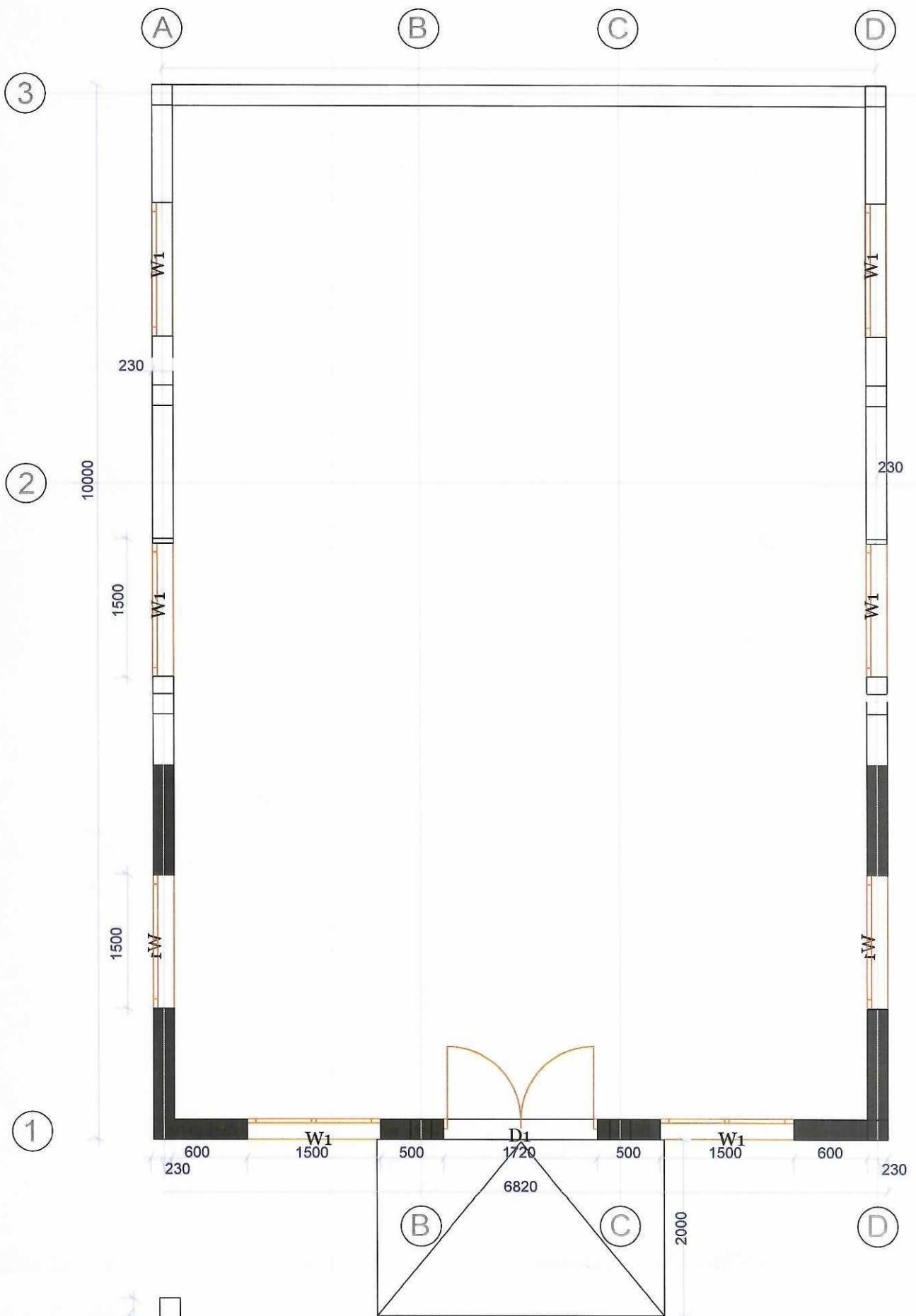
|      | Collection                                                                                                                     |     |      |  | - |
|------|--------------------------------------------------------------------------------------------------------------------------------|-----|------|--|---|
|      | <b><u>COLLECTION</u></b>                                                                                                       |     |      |  |   |
|      | Page No. 7                                                                                                                     |     |      |  | - |
|      | Page No. 8                                                                                                                     |     |      |  | - |
|      | <b><u>ELEMENT NO. 4 WINDOWS AND DOORS</u></b>                                                                                  |     |      |  |   |
|      | Carried to Summary                                                                                                             |     |      |  | - |
| ITEM | DESCRIPTION                                                                                                                    | QTY | UNIT |  |   |
|      | <b><u>ELEMENT NO. 5 FINISHINGS</u></b>                                                                                         |     |      |  |   |
|      | <b><u>WALL FINISHINGS</u></b>                                                                                                  |     |      |  |   |
|      | <b><u>15mm thick cement and sand (1:4) rendering smooth and finished fair on</u></b>                                           |     |      |  |   |
| A    | Walls Internally and externally                                                                                                | 348 | sq.m |  | - |
|      | <b><u>PAINTING AND DECORATING</u></b>                                                                                          |     |      |  |   |
|      | <b><u>Internally</u></b>                                                                                                       |     |      |  |   |
|      | <b><u>Prepare and apply one undercoats and two finishing coat of high quality emulsion Portland or approved equal on:-</u></b> |     |      |  |   |
| C    | Walls internally and externally                                                                                                | 102 | sq.m |  | - |
|      | <b><u>FLOOR FINISHINGS</u></b>                                                                                                 |     |      |  |   |
|      | <b><u>Internal work</u></b>                                                                                                    |     |      |  |   |
|      | <b><u>M10 Sand cement/ screed flooring</u></b>                                                                                 |     |      |  |   |
|      | 44mm thick cement sand (1:4) floor bed to general surfaces to receive further finishes                                         |     |      |  |   |
| E    | Floors, level and to falls only from slope ramp                                                                                | 70  | sq.m |  | - |

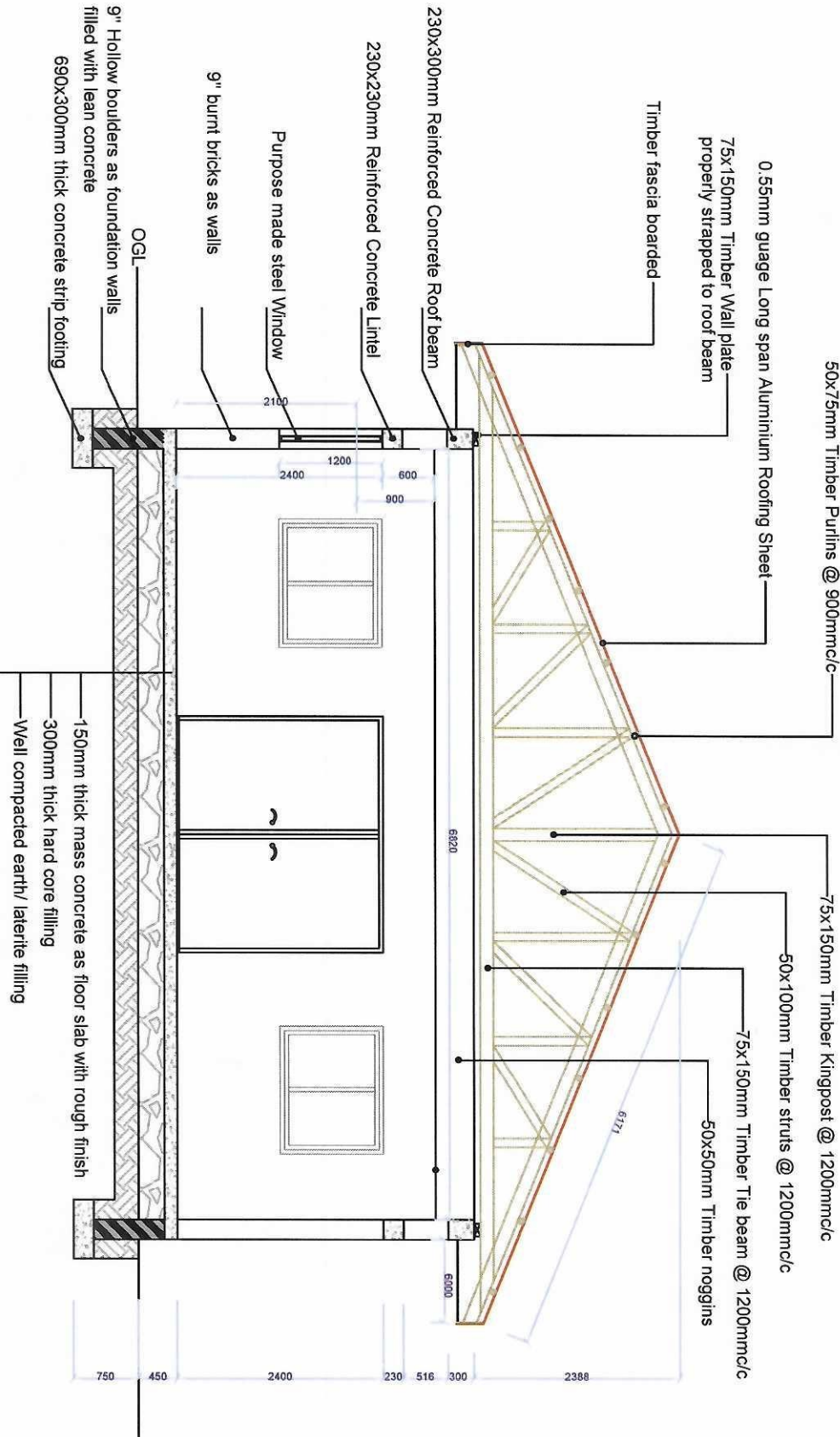
**BILL FOR CONSTRUCTION OF CHAINLINK FRAME FENCING**

| ITEM | DESCRIPTION                                                                                                                               | QTY | UNIT    | RATE | AMOUNT |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------|--------|
| 1    | Excavation of Pit and other soil removal works for Column base at 2m distance                                                             | 30  | Pit     | -    | -      |
| 2    | Concrete work for Column bases (column base at 2 m apart)                                                                                 | 30  | Number  | -    | -      |
| 3    | Provide and install double leaf see through metal gate, using GI wire mesh with a padlock (saw resistant)                                 | 1   | Nr      | -    | -      |
| 4    | Provide and install angle-iron (3mm thickness) at 2 meter intervals to receive the chain-link wire gauze                                  | 30  | Nr      | -    | -      |
| 5    | Provide and install wire gauze/Chainlink (GI) 2m high round the entire length (i.e 80 Meter) with a Roll of 18 Meter length (or 10 Rolls) | 6   | Rolls   | -    | -      |
| 6    | Provide Binding wire                                                                                                                      | 9   | kg      | -    | -      |
| 7    | Labour cost                                                                                                                               | 1   | Lumpsum | -    | -      |
|      | Total                                                                                                                                     |     |         |      | -      |
|      | Grand Total                                                                                                                               | 1   | Fencing |      |        |

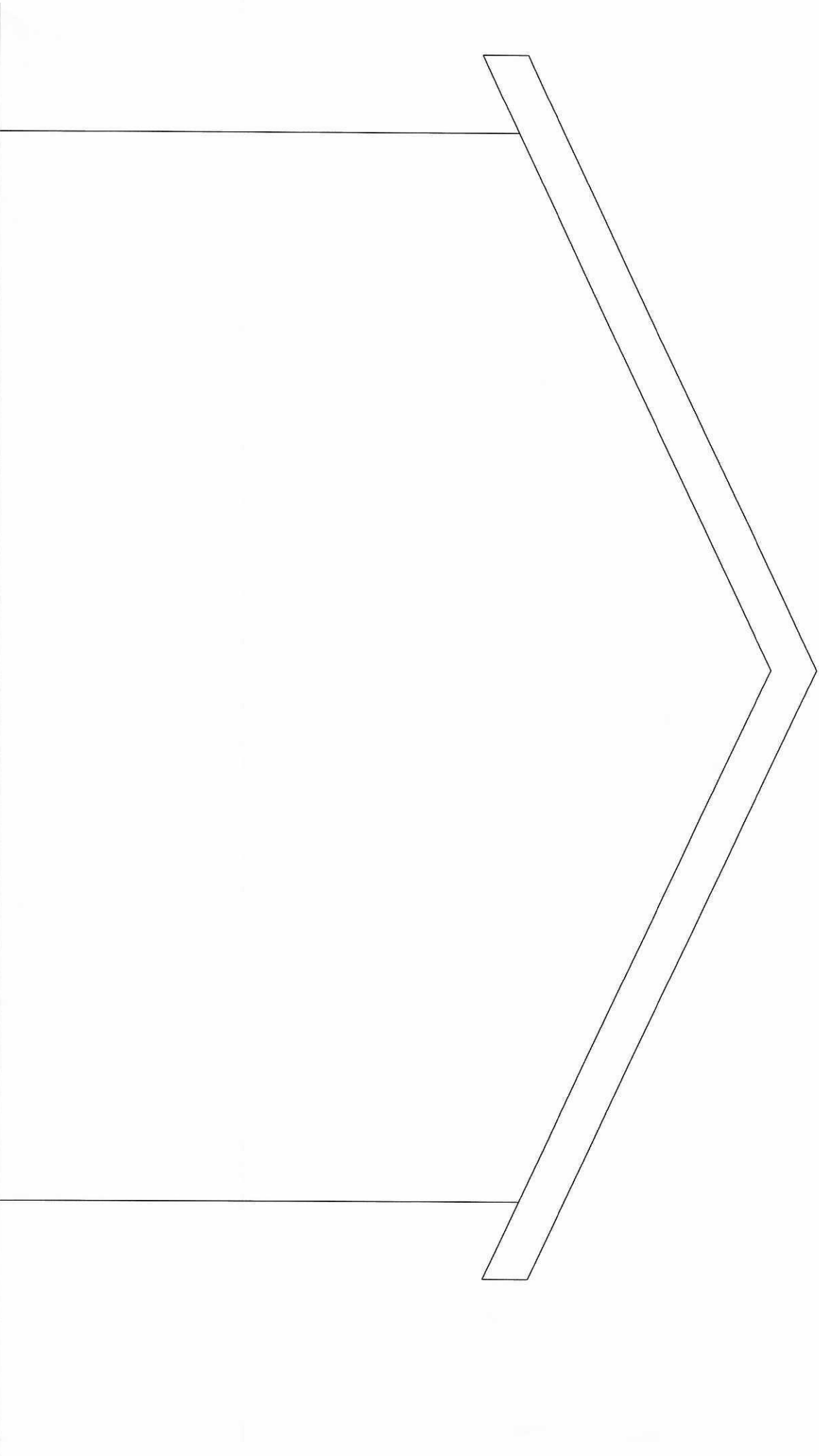








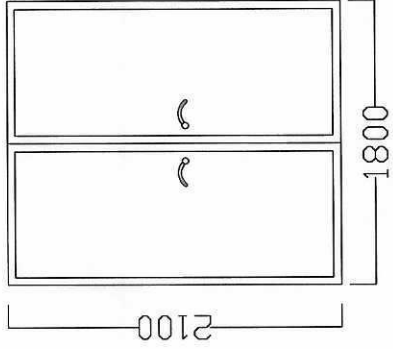
# X-X SECTION

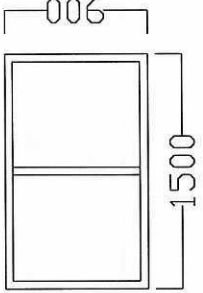


## REAR VIEW ELEVATION



APPROACH VIEW ELEVATION

| DOOR SCHEDULE |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| SYMBOL        | D1                                                                                  |
| DIAGRAM       |  |
| SIZE          | 1800 x 2100                                                                         |
| DESCRIPTION   | Purposely made Steel Door                                                           |
| NO. REQUIRED  | 1                                                                                   |

| WINDOW SCHEDULE |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| SYMBOL          | W1                                                                                |
| DIAGRAM         |  |
| SIZE            | 900 x 1200                                                                        |
| DESCRIPTION     | Purposely made Steel windows double hung with frame and Burglary                  |
| NO. REQUIRED    | 9                                                                                 |

## DOOR & WINDOW SCHEDULE