
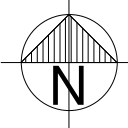



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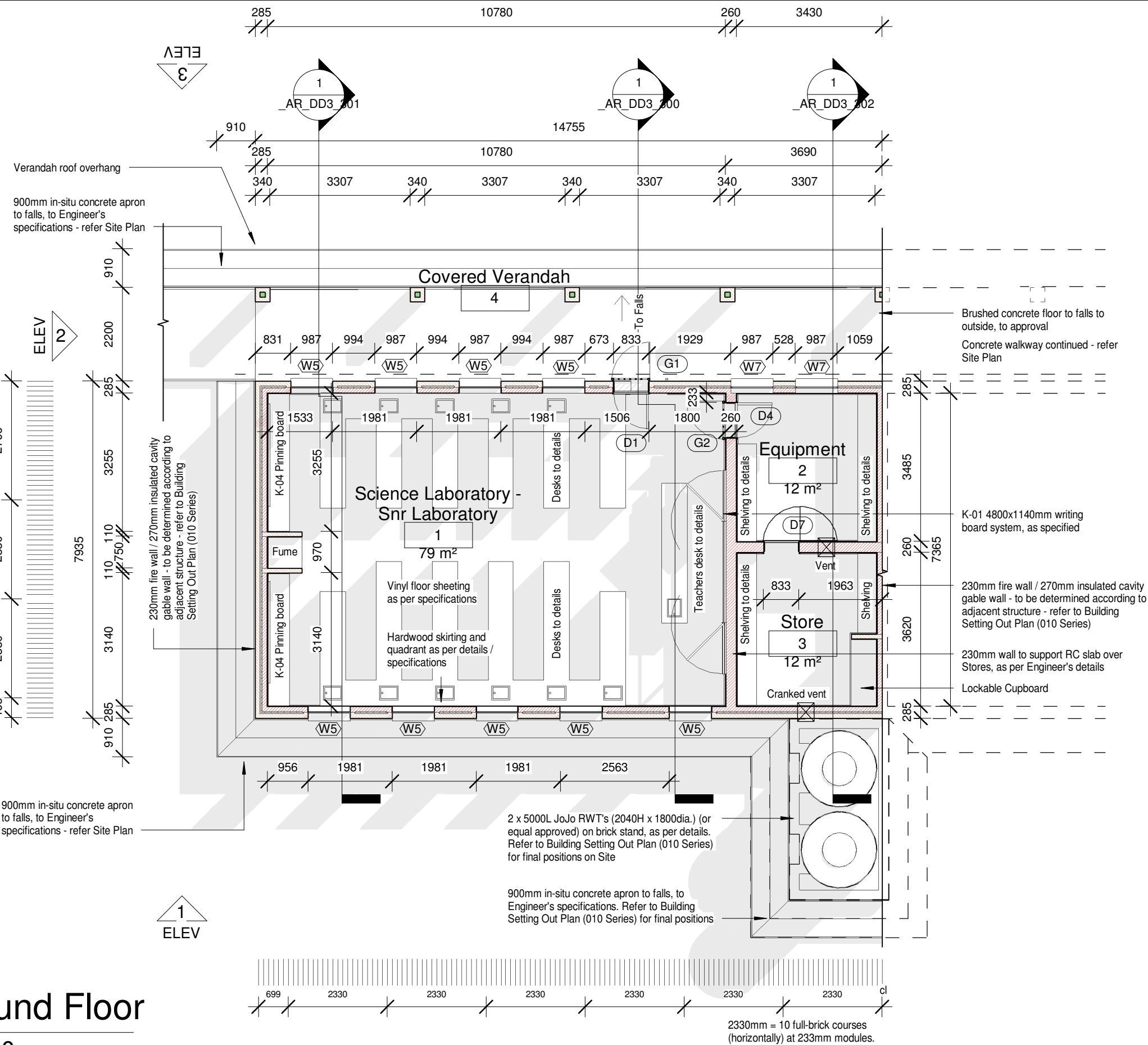
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# Ground Floor

1 : 100



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GROUND FLOOR PLAN

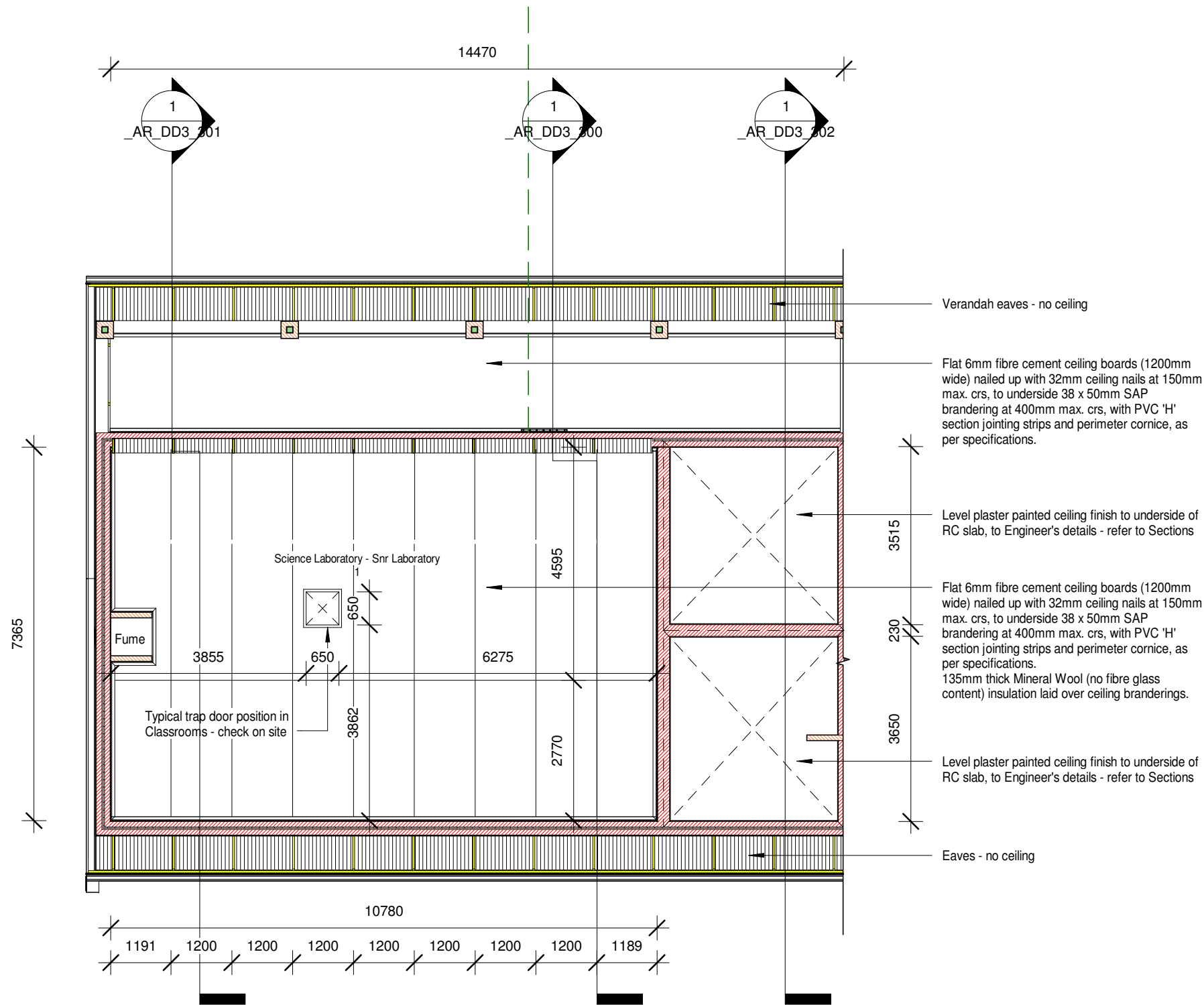
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As indicated



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# Ceiling Plan

1 : 100

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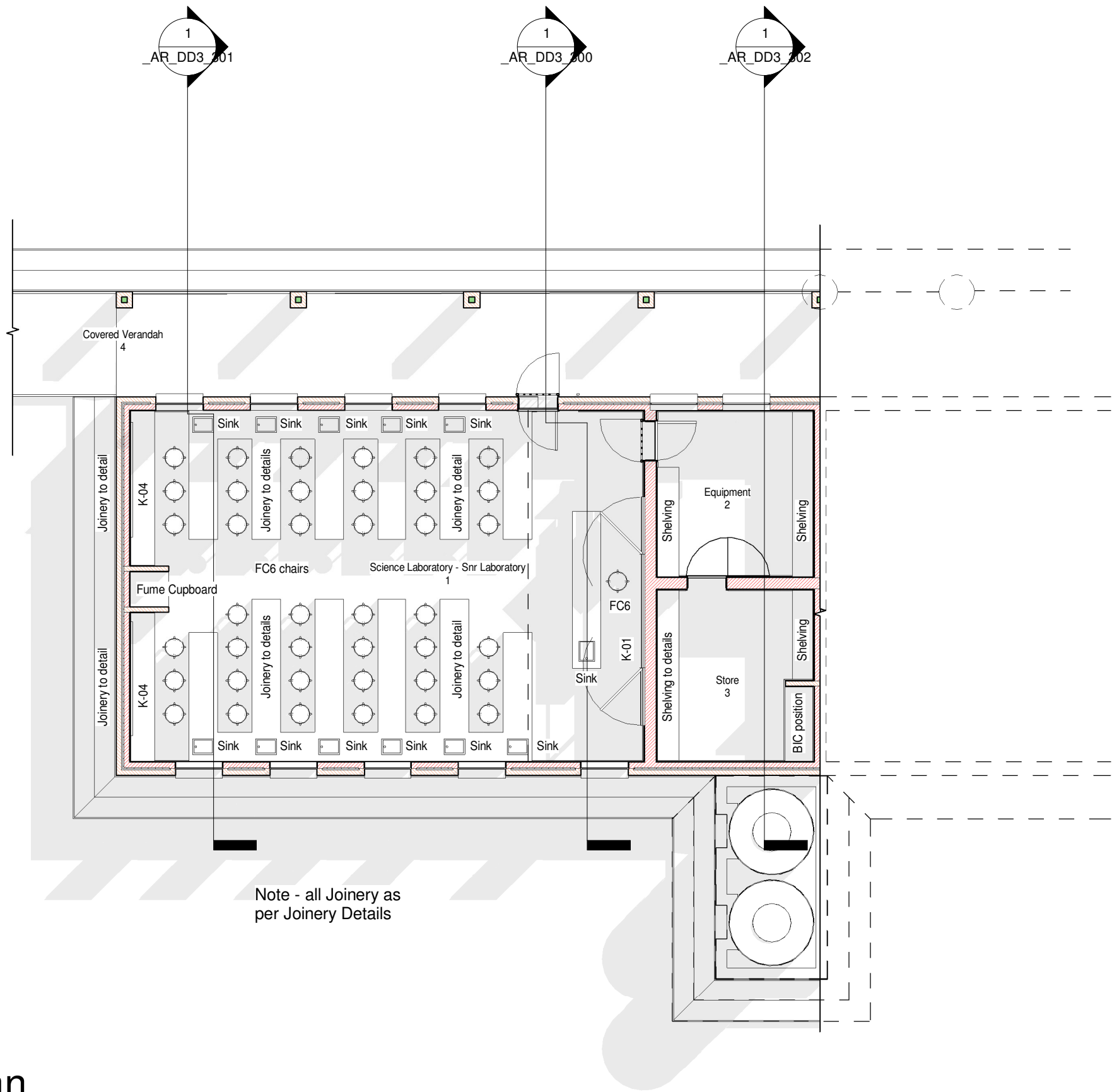
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| LOOSE FURNITURE SCHEDULE - REFER TO SCHEDULE ATTACHED |                          |
|---|--------------------------|
| No.   | ITEM - SCIENCE LAB (SNR) |
| 41  | FC6 LABORATORY CHAIRS    |

1

Furniture Plan  
1 : 100

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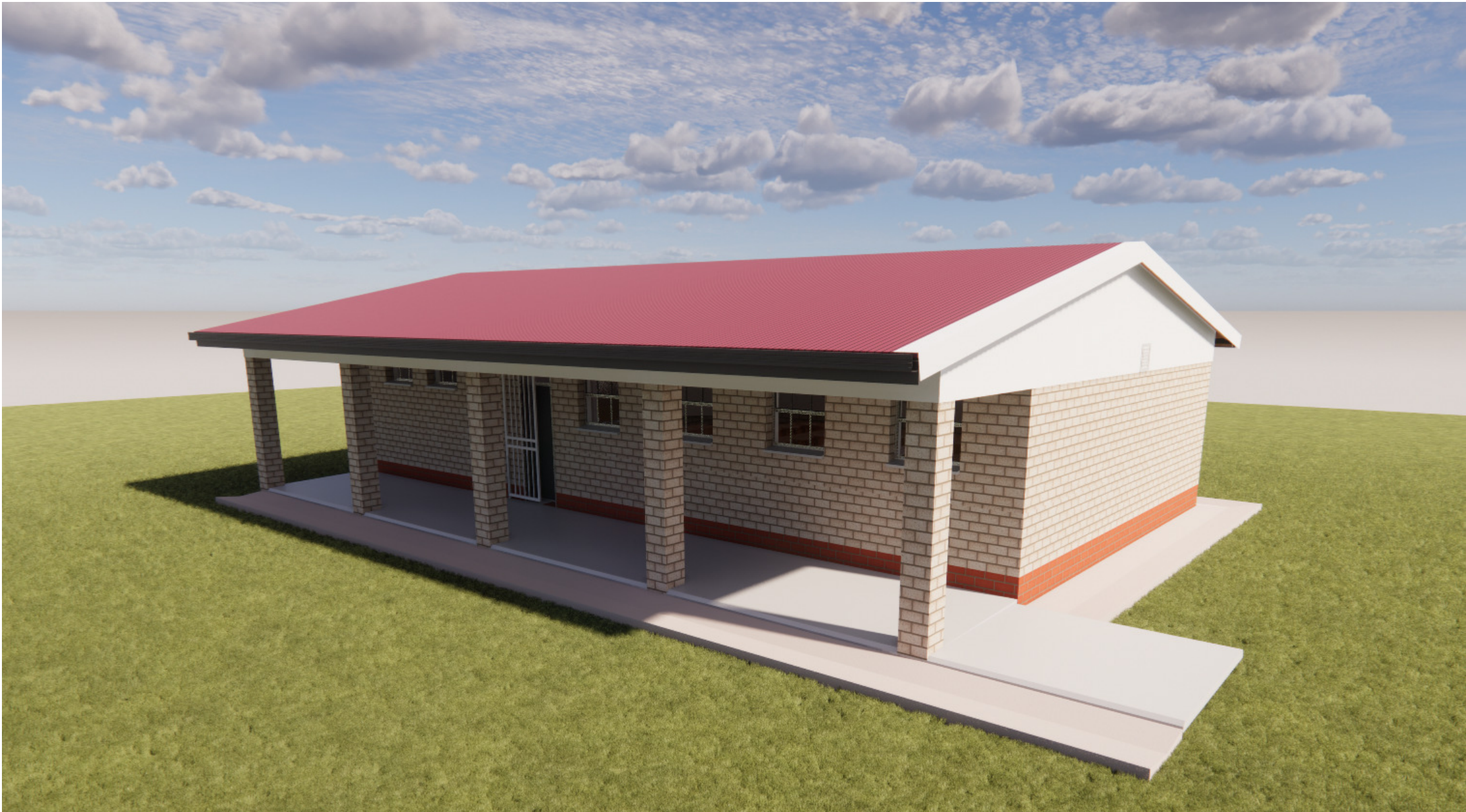
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| DOCUMENT STATUS     | DOCUMENT STATUS          |       | DRAWING NUMBER      | 0000_AR_DD3_204       | REVISION |
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Roof sheeting to be IBR 686 0,8mm thick Z200 Chromadek steel sheeting installed to Manufacturer's specifications and fixed with manufacturer approved fixings to 76x50mm timber purlins at max. 1200mm centres, on premanufactured engineered timber trusses to Specialist's detail and Engineer's approval. Fixed on 114x38mm SA Pine wallplate & tied down as per Engineer's specification and approval. Exposed timber members to be treated with carbolineum in accordance with the Manufacturer's specification.

Flat 6mm fibre cement ceiling boards (1200mm wide) nailed up with 32mm ceiling nails at 150mm max. crs, to underside 38 x 50mm SAP brander at 400mm max. crs, with PVC 'H' section jointing strips and perimeter cornice, as per specifications. 135mm thick Mineral Wool (no fibre glass content) insulation laid over ceiling branderings.

Powder coated extruded aluminium rainwater gutters with fixing brackets to 225x15mm Nutek fascia, all as per specifications.

RWP & gutter on fascia, as specified

RC Beam to Engineer's details

6mm cladit ceiling to verandah, fixed to u/s 38x38mm pine brander at 400mm crs.

340 x 340mm brickwork column with concrete infill.

900mm wide in-situ dished apron to falls

Min. 85mm brushed concrete surface bed (to Verandahs) to 1:50 falls to outside, on 250micron USB DPM on 50mm sand blinding layer on max. 150mm layers well compacted fill.

Sisalation® FR 430 fire retardant industrial grade reinforced aluminium foil insulation fixed over roof trusses, under purlins, as per Manufacturer's specifications.

Intermediate 230mm walls to underside of roof finish

Premanufactured timber truss

Plaster paint internally above dado height, as per specifications

4800x1140mm Writing Boards, as per specifications

Face brick internally to dado height, as per specifications

Joinery as per Details

Powder coated extruded aluminium rainwater gutters with fixing brackets to 225x15mm Nutek fascia, all as per specifications.

U/s WallPlate 2890

PC Lintels

Window Head 2465

Ground Floor 0

Steel floated dished in-situ concrete apron to falls, all as per Engineer's details.

See Engineer's details for platform levels

Footings to Eng. details

35mm thick cement screed on 85mm concrete surface bed (to Engineer's specifications) on 25mm approved underfloor insulation on 250micron USB DPM on 50mm sand blinding layer on max. 150mm layers well compacted fill. Refer details.

Footings to Eng. details

# Section 1

1 : 50



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Roof sheeting to be IBR 686 0,8mm thick Z200 Chromadek steel sheeting installed to Manufacturer's specifications and fixed with manufacturer approved fixings to 76x50mm timber purlins at max. 1200mm centres, on premanufactured engineered timber trusses to Specialist's detail and Engineer's approval. Fixed on 114x38mm SA Pine wallplate & tied down as per Engineer's specification and approval. Exposed timber members to be treated with carbolineum in accordance with the Manufacturer's specification.

Flat 6mm fibre cement ceiling boards (1200mm wide) nailed up with 32mm ceiling nails at 150mm max. crs, to underside 38 x 50mm SAP brandering at 400mm max. crs, with PVC 'H' section jointing strips and perimeter cornice, as per specifications. 135mm thick Mineral Wool (no fibre glass content) insulation laid over ceiling branderings.

Powder coated extruded aluminium rainwater gutters with fixing brackets to 225x15mm Nutec fascia, all as per specifications.

RWP & gutter on fascia, as specified

RC Beam to Engineer's details

6mm cladit ceiling to verandah, fixed to u/s 38x38mm pine brandering at 400mm crs.

340 x 340mm brickwork column with concrete infill.

Min. 85mm brushed concrete surface bed (to Verandahs) to 1:50 falls to outside, on 250micron USB DPM on 50mm sand blinding layer on max. 150mm layers well compacted fill.

Sisalation® FR 430 fire retardant industrial grade reinforced aluminium foil insulation fixed over roof trusses, under purlins, as per Manufacturer's specifications.

Intermediate 230mm walls to underside of roof finish

Premanufactured timber truss

Powder coated extruded aluminium rainwater gutters with fixing brackets to 225x15mm Nutec fascia, all as per specifications.

U/s WallPlate 2890

Window Head 2465

Galvanised steel windows with PC sloping cills, as specified in schedules

Tank stand height above TOC

Ground Floor 0

Steel floated dished in-situ concrete apron to falls, all as per Engineer's details.

See Engineer's details for platform levels

## Section 2

1 : 50

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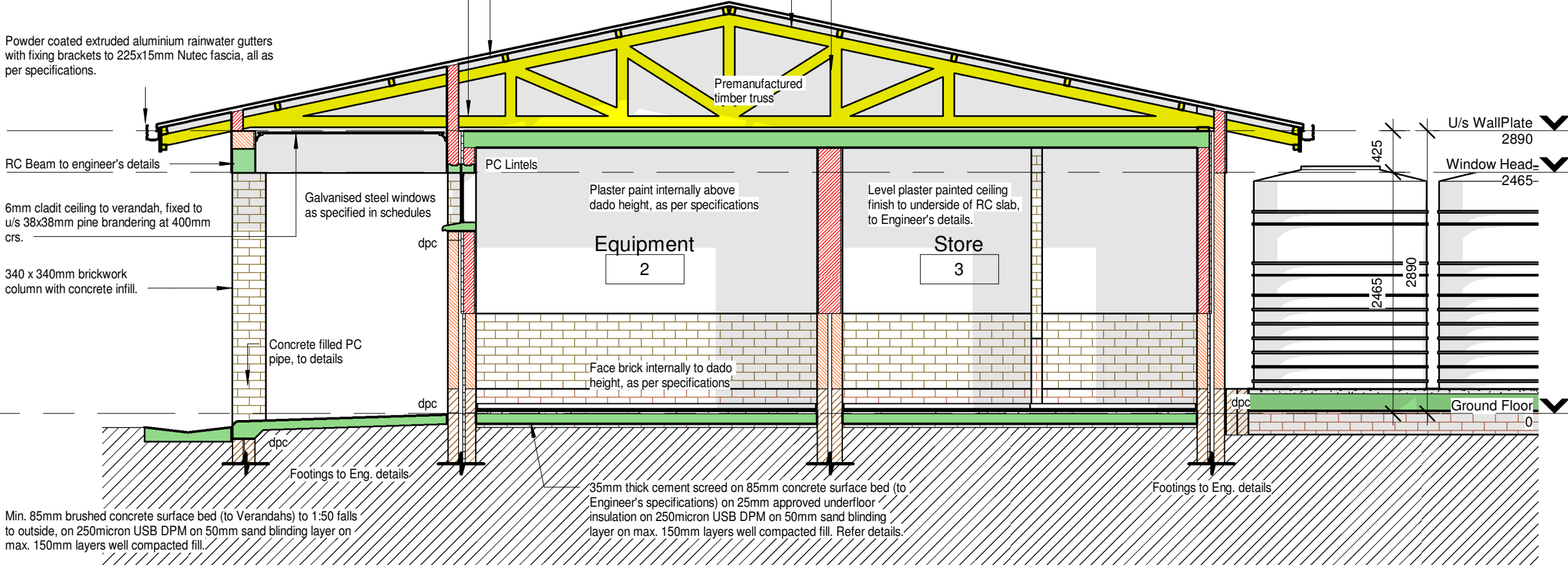
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Powder coated extruded aluminium rainwater gutters with fixing brackets to 225x15mm Nutec fascia, all as per specifications.

Sisalation® FR 430 fire retardant industrial grade reinforced aluminium foil insulation fixed over roof trusses, under purlins, as per Manufacturers specifications.

Intermediate 230mm walls to underside of roof finish



## Section 3

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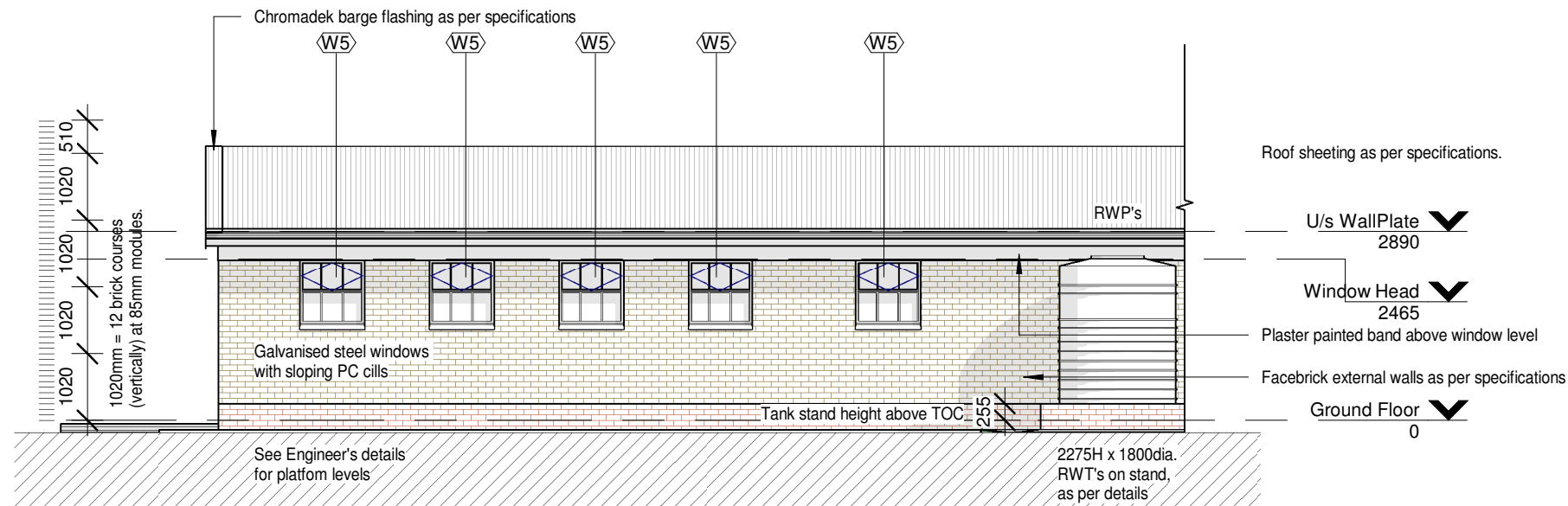
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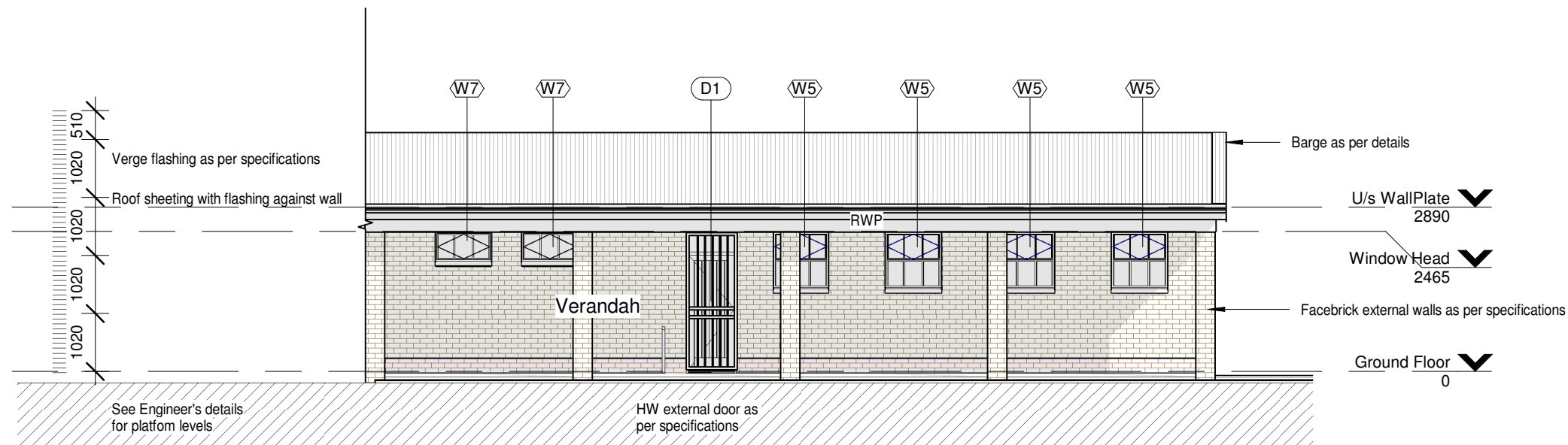
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|---------------------|--------------------------|---------------------|-----------------|
| PROJECT DESCRIPTION | IMPLEMENTATION PROGRAMME | DRAWING DESCRIPTION | SECTIONS        |
| DOCUMENT STATUS     | DOCUMENT STATUS          | DRAWING NUMBER      | 0000_AR_DD3_302 |
| PROJECT NUMBER      | 0000                     | DRAWING NUMBER      | 0000            |
| CHECK               | XX                       | CHECK               | XX              |
| DATE                | DD-MM-YYYY               | DATE                | DD-MM-YYYY      |
| SCALE               | 1 : 50                   | SCALE               | 1 : 50          |



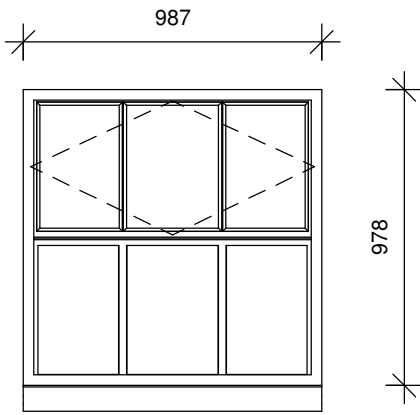
1 ELEVATION-1  
1 : 100



2 ELEVATION-3  
1 : 100





|   |            |           |   |
|---|------------|-----------|---|
| WINDOW<br>TYPE:   | W5         | QUANTITY: | DESCRIPTION:  |
| <p>NOTE: All glazing shall be in accordance with SABS 0400 - 1990, SABS 0137 and SABS 1263 - 1 all safety glazing materials (individual panes) shall be permanently marked. Such marking shall be visible after glazing process. If it is not marked, it is not safety glass.</p>  |            |           | <p>Durowin SS31/SSF31 internally glazed industrial hot dip galvanised, size 987 x 978mm high with B2 burglar bars (bars on opening sections only).</p>  |
|   |            |           | FINISH:   |
|   |            |           | <p>Galvanised Mild Steel Painting:<br/>Dulux Gloss Enamel alkyd paint (Colour: To be selected) to galvanised steel.</p> <p>Surface to be sound, dry and clean. Apply Dulux Galvkleen to all bare galvanised areas, flush with water to remove all surface contaminants, until surface is water break-free. Prime surface with one coat Dulux Primer for Galvanised Iron (Code: D193-1856) with an overcoating time of 36 hours, undercoat with one coat Dulux Universal Undercoat (Code: D196-0763) with an overcoating time of 18 hours and finish with two coats Dulux Gloss Enamel (Code: D232-0734) with an overcoating time of 18 hours.</p> |
|   |            |           | GLAZING:  |
|   |            |           | <p>Glass: 6.38mm Clear Laminated Safety glass</p> <p>Strictly in accordance with glass Manufacturer's recommendations and SANS 10137:2011 all in accordance with SANS 10400 parts b, n, xa</p>  |
| ELEVATION (EXTERIOR)  |            |           |   |
| BUILDING No:  | SCALE 1:25 |           |   |
| WINDOW No:  |            |           |   |


|                       |    |           |  |   |
|-----------------------|----|-----------|--|---|
| WINDOW TYPE:          | W7 | QUANTITY: |  | DESCRIPTION:  |
| <p>987</p> <p>511</p> |    |           |  | <p>Durowin SS31 internally glazed industrial hot dip galvanised, size 987 x 511mm high with B2 burglar bars (bars on opening sections only).</p>  |
|                       |    |           |  | FINISH:   |
|                       |    |           |  | <p>Galvanised Mild Steel Painting:<br/>Dulux Gloss Enamel alkyd paint (Colour: To be selected) to galvanised steel.</p> <p>Surface to be sound, dry and clean. Apply Dulux Galvkleen to all bare galvanised areas, flush with water to remove all surface contaminants, until surface is water break-free. Prime surface with one coat Dulux Primer for Galvanised Iron (Code: D193-1856) with an overcoating time of 36 hours, undercoat with one coat Dulux Universal Undercoat (Code: D196-0763) with an overcoating time of 18 hours and finish with two coats Dulux Gloss Enamel (Code: D232-0734) with an overcoating time of 18 hours.</p> |
|                       |    |           |  | GLAZING:  |
| ELEVATION (EXTERIOR)  |    |           |  | <p>Glass: 6.38mm Clear Laminated Safety glass (when used in Toilet Area to be 6mm Obscure Laminated Safety glass, otherwise clear)</p> <p>Strictly in accordance with glass Manufacturer's recommendations and SANS 10137:2011 all in accordance with SANS 10400 parts b, n, xa</p>   |
| BUILDING No:          |    |           |  | SCALE 1:25  |
| WINDOW No:            |    |           |  |   |

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DOCUMENT STATUS

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UNLESS STAMPED, THIS DRAWING IS NOT VALIDATED AND SHOULD NOT BE USED

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| PROJECT<br>DESCRIPTION | INSERT PROJECT<br>DESCRIPTION |
|------------------------|-------------------------------|

|                   |      |
|-------------------|------|
| PROJECT<br>NUMBER | 0000 |
|-------------------|------|

DRAWING DESCRIPTION  
**WINDOWS**

|  |                                |   |                        |          |
|--|--------------------------------|---|------------------------|----------|
| DRAWING NUMBER<br><b>0000_AR_DD3_500</b> |                                |   |                        | REVISION |
| PROJECT NUMBER                           | DESCRIPTION                    | BUILDING CATEGORY                           | DRAWING NUMBER         |          |
| DRAWN<br><b>XX</b><br>INITIALS           | CHECK<br><b>XX</b><br>INITIALS | DATE<br><b>DD-MM-YYYY</b><br>DAY MONTH YEAR | SCALE<br><b>1 : 25</b> |          |

|   |  |            |           |   |  |
|---|--|------------|-----------|---|--|
| DOOR TYPE:  |  | D1         | QUANTITY: | FRAME DESCRIPTION:  |  |
|   |  |            |           | 285mm standard 1.6mm galvanised steel door frame double rebated for 285mm brick wall.<br>NOTE: Frame to be inclusive off 3x GMS hinges by Manufacturer & striker plate with sash & mortise. |  |
|   |  |            |           | FRAME FINISH:   |  |
|   |  |            |           | One coat primer One undercoat, and 2 coats low gloss non-drip enamel, as per Finishing Schedule   |  |
|   |  |            |           | DOOR DESCRIPTION:   |  |
|   |  |            |           | 813x2032mm x 44mm thick FLB&B door.<br>Add 6mm Marine Ply recessed to inside face.<br>Ex 70x32mm weather board<br>Threshold reeded & to fall 6mm to outside.                                |  |
|   |  |            |           | DOOR FINISH:  |  |
|   |  |            |           | One coat wood primer One undercoat, and 2 coats low gloss non-drip enamel, as per Finishing Schedule, all in accordance with the manufacturer's recommendations.                            |  |
|   |  |            |           | NOTES:  |  |
|   |  |            |           | Hinges & frame to be supplied for approval prior to installation.<br>6.38mm clear laminated safety glass to fixed fanlight.   |  |
|   |  |            |           | DOOR HANDING / LEGEND:  |  |
|   |  |            |           |   |  |
|   |  |            |           |   |  |
| BUILDING No:  |  | SCALE 1:25 |           |   |  |
| DOOR No:  |  |            |           |   |  |
| DOOR LOCATION:  |  |            |           |   |  |
| REFER TO BUILDING K.O.P. SCHEDULE   |  |            |           |   |  |
| IRONMONGERY:  |  |            |           |   |  |
| Hinges:<br>3x factory fitted, as supplied by frame Manufacturer (Architect to approve sample before installation on site)<br>Locks:<br>Three lever mortice lockset as "Union 2277-78" with striking plate fixed to steel door frame.<br>Door handles:<br>"Union" "Protea" CB612-24SC brass lever furniture.<br>Sundries:<br>"Union" CZ8731SC door stop. |  |            |           |   |  |

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| DOOR TYPE:  |  | D4   |  | QUANTITY:  |  | FRAME DESCRIPTION:   |  |  |  |
| <p>Fixed fanlight position</p> <p>Hinge positions</p> <p>Heavy duty galvanised steel door frame with fanlight opening</p> <p>Semi-solid core veneer</p> <p>Hinge position</p> <p>Door handle position</p> <p>2033</p> <p>813</p> <p>32</p> <p>337</p> <p>32</p> |  | 230 / 110mm (refer floor plan for wall size) standard 1.6mm galvanised steel door frame double rebated for 230 / 110mm brick wall.<br>NOTE: Frame to be inclusive off 3x GMS hinges by Manufacturer & striker plate with sash & mortise. |  | FRAME FINISH:  |  | One coat primer One undercoat, and 2 coats low gloss non-drip enamel, as per Finishing Schedule  |  |  |  |
|   |  | DOOR DESCRIPTION:  |  | 813 x 2032mm x 44mm thick semi-solid core veneer panelled door with 8mm concealed edge.  |  | DOOR FINISH:   |  | One coat wood primer One undercoat, and 2 coats low gloss non-drip enamel, as per Finishing Schedule |  |
|   |  | NOTES:   |  | Hinges & frame to be supplied for approval prior to installation.<br>6.38mm clear laminated safety glass to fixed fanlight.  |  | DOOR HANDING / LEGEND:   |  | <p>left hand</p> <p>right hand</p> <p>double</p>   |  |
|   |  | PLAN   |  | <p>Wall thickness to be confirmed according to door position on floor plan. Steel door frame width to suit wall.</p> <p>813</p> <p>Door swing (left / right hand opening) to be confirmed on floor plan.</p> |  | BUILDING No:   |  | SCALE 1:25   |  |
|   |  | DOOR No:   |  |  |  | DOOR LOCATION:   |  | Stores   |  |
|   |  | REFER TO BUILDING K.O.P. SCHEDULE  |  | IRONMONGERY:   |  | Hinges:<br>3x factory fitted, as supplied by frame Manufacturer (Architect to approve sample before installation on site)<br>Locks:<br>Three lever mortice lockset as<br>"Union 2277-78" with striking plate fixed to steel door frame.<br>Door handles:<br>"Union" 'Protea' CB612-24SC brass lever furniture.<br>Sundries:<br>"Union" CZ8731SC door stop. |  |  |  |

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