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- Technical cross-section drawing of a wall and floor assembly, showing dimensions and material specifications.
- Dimensions:**
- Overall width: 353
 - Overall height: 400
 - Wall thickness segments: 100, 153, 100
 - Floor thickness segments: 25, 225
 - Service zone: 314
- Wall Assembly (from left to right):**
- 12.5mm Gypsum based board (nominal 8kg/m²) on dabs installed in accordance with manufacturers guidelines. Taped joints. Moisture resistant board to be used in bathroom and kitchens. 2.5mm plaster skim coat.
 - 100mm blockwork, lambda = 0.59 with a strength of 7N or 10N (refer to structural engineers drawings for locations).
 - 100mm wide coupling block - cut down to 185mm high.
 - E30 I15 fire rated intumescent horizontal fire barrier. To allow through ventilation of cavity. Spec TBC - Tenmat FF102/50 proposed. To be positioned in line with floor planks.
 - James Hardie VL Plank system - Vertical boarding on 'Protector' perforated horizontal top hat rails (free draining) - rail centers to be in accordance with manufacturers recommendations.
 - 100mm wide coupling block - cut down to 120mm high.
 - 100mm wide coupling block - cut down to 120mm high.
 - Stainless steel wall ties to be installed at 450mm vertical centres & 900mm centres horizontally. To be located at 225mm centres within 225mm of any opening.
 - 150mm Knauf Dritherm 32, thermal conductivity of 0.032W/mK.
- Floor Assembly (from left to right):**
- 15mm Gypsum based sound board, taped joints, fixed to MF suspended ceiling grid. 2.5mm plaster skim coat.
 - 250mm min. thick pre-cast concrete floor plank and min. 300kg/m² mass per unit area.
 - Ceiling zone for services including MVHR ducting. Please refer to MEP specification for more information.
 - * - based on ceiling height of 2.5m. Refer to sections for ceiling height variations.
- Notes:**
- MDF oggee skirting to be laid on continuous mastic bead - refer to room data sheets for specification.
 - 25mm PIR insulation board with taped joints or 500gauge polythene vapour control layer to control screed.
 - 75mm max. reinforced screed with u/f heating pipes fixed using clips into insulation board.
 - 25mm (max) self levelling screed to take out camber in planks.

353

25 100 153 100

150mm Knauf Dritherm 32, thermal conductivity of 0.032W/mK.

100mm blockwork, $\lambda = 0.59$ with a strength of 7N or 10N (refer to structural engineers drawings for locations).

Compartment wall position - refer to fire strategy plans for location of these walls.

25 140 25

Stainless steel wall ties to be installed at 450mm vertical centres & 900mm centres horizontally. To be located at 225mm centres within 225mm of any opening.

12.5mm Gypsum based board (nominal 8kg/m²) on dabs installed in accordance with manufacturers guidelines. Taped joints. Moisture resistant board to be used in bathroom and kitchens. 2.5mm plaster skim coat.

Horizontal rails cut back locally, to suit fire barrier locations

E30 I15 fire rated intumescent vertical fire barrier - Spec TBC - Tenmat linear gap seal proposed. - to be positioned in line with compartment wall locations - refer to fire strategy plans as necessary.

James Hardie VL Plank system - Vertical boarding on 'Protektor' perforated horizontal top hat rails (free draining) - rail centers to be in accordance with manufacturers recommendations.

The image contains two architectural drawings of a wall section. The left drawing is a vertical section showing a wall with a height of 215 and a base width of 103. The top edge is sloped, with a horizontal projection of 86. The right drawing is a plan view showing a wall with a length of 103 and a width of 621. The top edge is sloped, with a horizontal projection of 103. A note indicates that the wall is made of special brick at grids W-12, shown in plan view at a scale of 1:2.

215

86

103

621

103

5 Special brick at grids W-12 - in plan view
1:2

4 Special bricks at grids A-14 - in plan view
1:2

6 Typical pistol brick - in section
1:2

This detail applies to main dining terrace area both ground and first floor window head locations where structural supporting plate is present - refer to detail drawing 712.

4. All dimensions are in millimetres and all levels are in meters. Architect, structural engineer, mechanical & electrical engineers and specialists drawings / specifications.

5. Any discrepancies in dimensions or details between the various drawings should be reported immediately.

6. All dimensions are in millimetres and all levels are in meters.

7. Do not scale from this drawing, if in doubt ASK.

MDF ogee skirting to be laid on continuous mastic bead - refer to room data sheets for specification.

25mm PIR insulation board with taped joints or 500gauge polythene vapour control layer to control screed.

75mm max. reinforced screed with u/h heating pipes fixed using clips into insulation board.

25mm (max) self levelling screed to take out camber in planks.

200mm min. thick pre-cast concrete floor plank and min. 300kg/m² mass per unit area.

Ceiling zone for services including MVHR ducting. Please refer to MEP specification for more information.

* - based on ceiling height of 2.5m. Refer to sections for ceiling height variations.

15mm Gypsum based sound board, taped joints, fixed to MF suspended ceiling grid.

2.5mm plaster skim coat.

314 * service zone

75

25

25

200

400

353

103

151

100

25

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