Partial fill insulation to be secured firmly against the innerleaf of the cavity wall.

Steel lintel to be to engineers specification.

Pre-stressed Concrete Lintel to Engineers specification.

**Partial fill Cavity Wall**

- U-Values vary, see appendix D of TGD part L 2011.

150x130mm Full fill closer with λ = 0.021W/m.K, R = 7.14 W/m²K.

Roadstone Thermal Liteblock:

440 x 215 x 100 Roadstone Standard Blocks

440 x 215 x 100 Roadstone Thermal Liteblock

Roadstone Custom Psu values:

<table>
<thead>
<tr>
<th>Psi Value</th>
<th>U Value Range</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01</td>
<td>0.003</td>
<td>0.15</td>
</tr>
<tr>
<td>0.03</td>
<td>0.005</td>
<td>0.21</td>
</tr>
</tbody>
</table>

As modelled by NSAI registered Thermal Modellers:

All options pass Rf assessment.

*Note:* Both the 0.21 U Value Range and the 0.15 U Value range surpass the default Psi values and therefore a y-value of 0.08 can be assumed using this option without a y-value calculation, provided all other details in the building comply with the published ACDs and/or Roadstone modelled details.

The designer is advised and directed to produce the following:

- To be read in conjunction with Y-Value Calculation.
- To be used in conjunction with Thermal Modeller.
- U-Values vary, see appendix D of TGD part L 2011.

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