




Roof build-up: To Structural Engineers  
 Specifacitons.  
 Insulation Depth Varies, U values to be  
 achieved as per Appendix D of TGD part L in  
 order for Psi value to be valid.

When using a Truss Roof, the Truss should  
 be designed to have a bearing point on each  
 leaf of the external cavity wall, to structural  
 Engineer and Roof designers details.

-  440 x 215 x 100 Roadstone  
Standard Blocks
-  440 x 215 x 100 Roadstone  
Thermal Liteblock
-  Expanded Metal

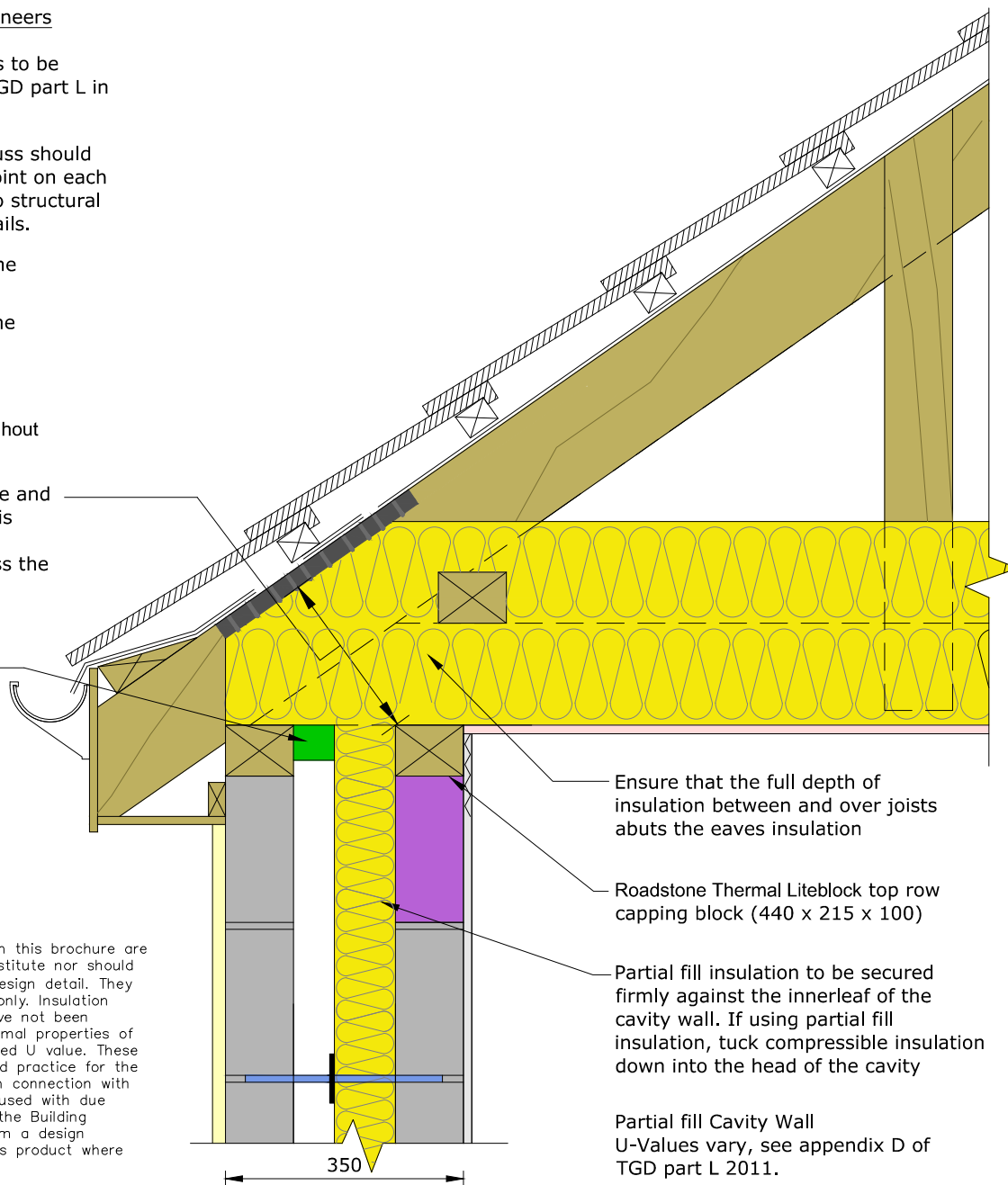
Ensure continuity of insulation throughout  
 junction

Ensure gap between the wallplate and  
 the proprietary eaves ventilator is  
 completely filled with insulation  
 having a minimum R-value across the  
 insulation of 3.36 m<sup>2</sup>K/W

Cavity closer with min  
 R of 1.714 m<sup>2</sup>K/W

Ensure ventilation to roof space is  
 maintained, as required by current  
 building regulations for ventilated  
 attic spaces.

The diagrams, drawings and details included in this brochure are  
 for indicative purposes only. They do not constitute nor should  
 they be relied upon as giving/providing any design detail. They  
 focus on the issues of thermal performance only. Insulation  
 thicknesses of the main building elements have not been  
 provided, as these are dependent on the thermal properties of  
 the materials chosen, as well as on the desired U value. These  
 diagrams, drawings and details illustrate good practice for the  
 design and construction of interfaces solely in connection with  
 thermal performance. The product should be used with due  
 regard to all other requirements imposed by the Building  
 Regulations and advices should be sought from a design  
 professional in connection with the use of this product where  
 required.



Ensure that the full depth of  
 insulation between and over joists  
 abuts the eaves insulation

Roadstone Thermal Liteblock top row  
 capping block (440 x 215 x 100)

Partial fill insulation to be secured  
 firmly against the innerleaf of the  
 cavity wall. If using partial fill  
 insulation, tuck compressible  
 insulation down into the head of the cavity



Partial fill Cavity Wall  
 U-Values vary, see appendix D of  
 TGD part L 2011.



### Roadstone Custom Psi values


U Value Range (W/m <sup>2</sup> K)	Part L (Ψ)	Roadtone TLB Psi (Ψ) Value
0.21	0.049	0.036

As modelled by NSAI registered Thermal Modellers:

 <b>NSAI</b> Agrément	 <b>NSAI</b> Agrément
Diarmuid Hynes Evolusion Innovation Ltd. Registration Number IAB/TM/04 NSAI Approved Thermal Modeller	Andrew Dunne Evolusion Innovation Ltd. Registration Number IAB/TM/07 NSAI Approved Thermal Modeller

All options pass fRsi assessment,  
 no surface condensation predicted

\*Note:  
 The 0,21 U Value Range model surpasses the default Psi  
 value and therefore a default 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 / Roadstone details.

REVISION: <b>A</b>	DWG. NO.: <b>DETAIL RS 1.09a</b>	DATE: <b>JANUARY 2017</b>	
SCALE: <b>NTS</b>	JUNCTION: <b>PARTIAL FILL CAVITY WALL/ ROOF INSULATED AT CEILING REGULAR SIZE THERMAL LITEBLOCK</b>	TO BE READ IN CONJUNCTION WITH Y-VALUE CALCULATION	