

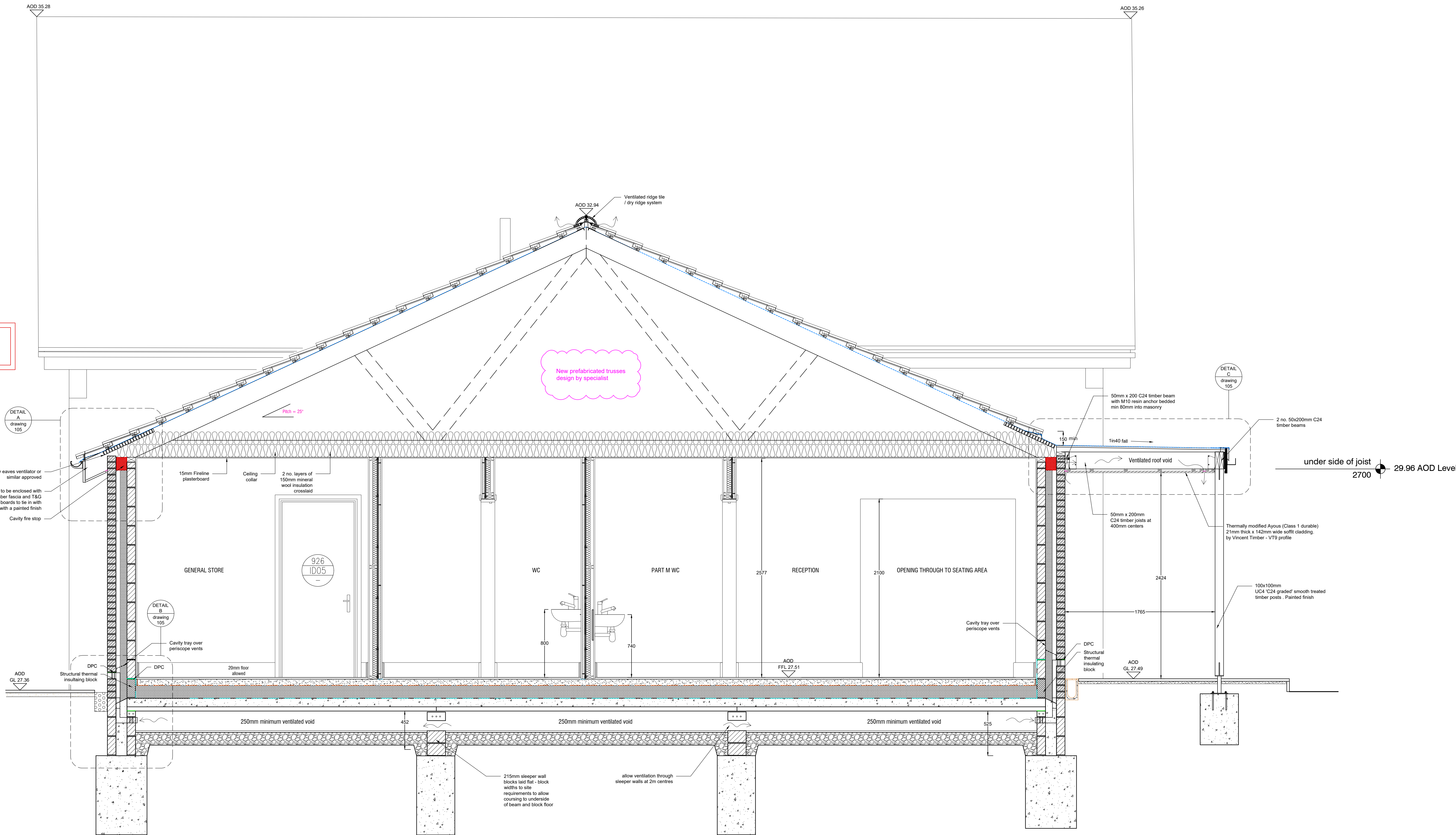
Final wall plate positions to be confirmed on site following opening up of existing building. Note wall plate heights vary in new construction

30.09 AOD Level
Top of wall plate/
under side of ceiling joist
2835

27.49 AOD Level
Top of screed
225

27.26 AOD Level
Top of beam and block
0

Section 1
1:20@A0



ROOF CONSTRUCTION - (PITCHED):

- Interlocking concrete tiles
- 25 x 50mm treated softwood battens
- Tyvek breathable roof underlay
- 50 x 200mm treated C24 timber rafters @ 400mm centers to structural engineers design
- 300mm mineral wool insulation, 150mm laid between ceiling joists and 150mm laid over
- 15mm Fireline plasterboard with skim finish to underside

U-value = 0.13 W/m2k

WALL CONSTRUCTION - ABOVE GROUND :

- 100mm fair faced brickwork external leaf to match existing
- 130mm cavity with 80mm Kingspan Kooltherm 108 (PIR) insulation
- 100mm medium dense blockwork inner leaf
- 12.5mm plasterboard on dabs with skim finish

U-Value = 0.18 W/m2K

GLAZING:

Soft Coat Energy Glass inner pane,
double glazing,
Toughened outer pane.
Set in thermally UPVC frames

U-value = 1.4 W/m2k

GROUND FLOOR CONSTRUCTION:

- 20mm zone for floor finish
- 75mm sand and cement screed
- Vapour control layer
- 150mm Kingspan Kooltherm K103 (PIR) insulation
- 1200 gauge DPM lapped to DPC
- 150mm concrete beam and block floor to structural engineers design

U-value = 0.11 W/m2k

FOUNDATIONS:

Concrete foundations to Structural Engineers details

ALL STRUCTURAL ELEMENTS -
PLEASE REFER TO STRUCTURAL
ENGINEER DRAWINGS

DESIGNERS RISK ASSESSMENT-
HEALTH AND SAFETY
THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015
A design and risk assessment Drawing COM1 should form part of our drawing package. If you have not received this from us by post, email or by collection please contact us for a copy before moving forward with the project.

REV	REVISION DETAILS	BY	CHK	DATE
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WDA
westerndesignarchitects.com
Western Design Architects
12 The Granary, Hinton Business Park, Tarnet Hinton, Dorset, DT11 8JF
T: 01208 800070 E: info@westerndesign.co.uk

CLIENT
Chickerell Town Council

PROJECT
Willowbed Hall, Chickerell

DRAWING TITLE
Section 1

DRAWN BY	DESIGNED BY	DATE
RS	MW	28.04.2025

SCALE	JOB NO.
1:20@A0	2425551

DRAWING NO.	REVISION
103	-

BUILDING REGULATIONS

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