

**Roof:**  
 U-value: 0.15 W/m²K  
 80 mm KS1000 TD Topdeck on top of beam. 118 mm overall thickness laid to a 1 deg. fall. Colour Anthracite Grey RAL 7016. (Site fitted insulation on top of single skin to make up to 400mm)  
 370x100x25x5mm galvanised roof beam @ module c/c with 140x70x2 mm purlins @ 600mm c/c fixed between beams.  
 200mm Earthwool Loft Roll insulation between purlins.  
 12.5mm Fireline plasterboard taped and jointed with suitable rated buildup fixed to u/s of purlins.

**First Floor:**  
 18mm T&G structural Plywood Flooring.  
 6 mm plywood staggered over bay joints.  
 220x89x19x3 galvanised floor beam @ module c/c with 180x64x3 galvanised floor purlins (joists) @ 406mm c/c 200mm Earthwool Loft Roll Insulation between joists.  
 Vapour control layer held in place with 25mm Timber battens.

**Ground Floor Roof:**  
 220x89x19x3 galvanised roof beam @ module c/c with 140x64x2 galvanised roof purlins (joists) @600mm c/c 35 mm single skin on to the purlins.  
 2 x 12.5mm Fireline plasterboard.

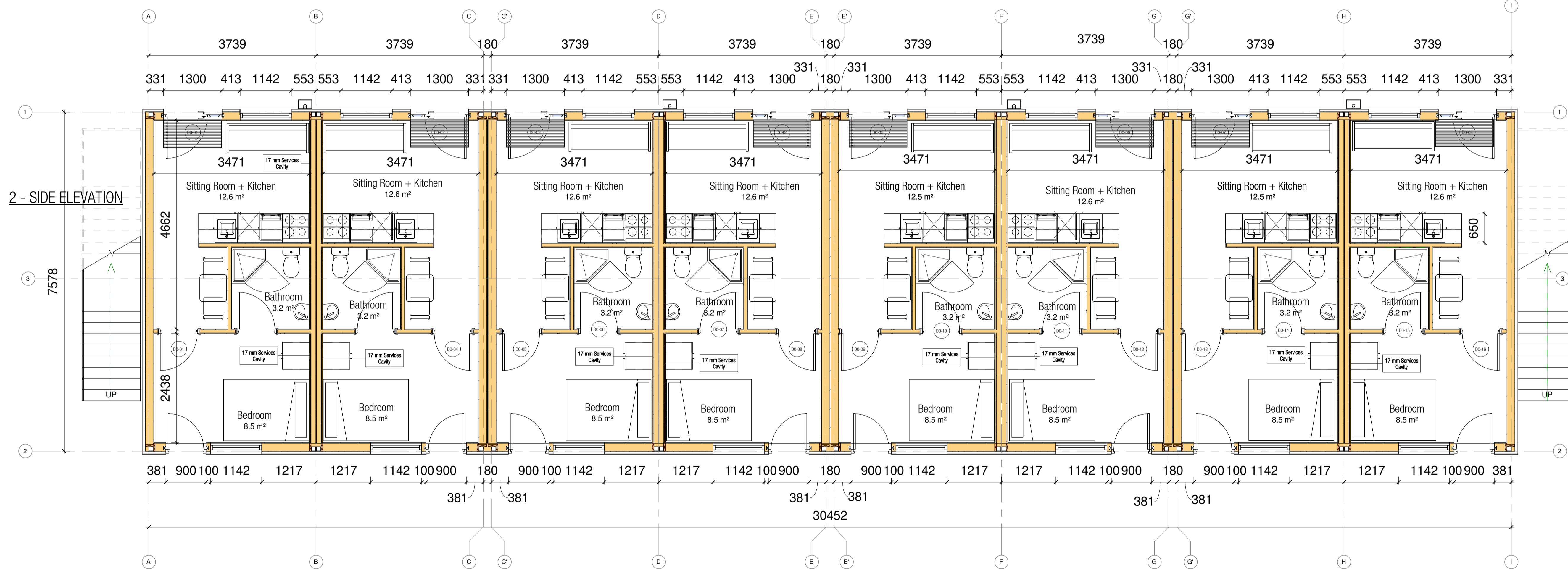
**Ground Floor:**  
 U-value: 0.19W/m²K  
 18mm T&G structural Plywood Flooring  
 6 mm plywood staggered over bay joints.  
 220x89x19x4 galvanised floor beam @ module c/c with 180x64x2mm floor purlins (joists) @406mm c/c.  
 200mm Earthwool Loft Roll between joists.  
 40 mm PIR.  
 0.7mm steel mesh underdrawings with 60 -70% free area 275 x 89 x 19 x 4 PFC floor beams.

**External Walls:**  
 U-value: 0.21 W/m²K  
 External finish: Siberian Larch timber cladding and Aluminium profile cladding (Anthracite Grey) to external face of board 12mm Multi-pro XS board 174 x 43mm Timber Studs @ 600mm cts.  
 180mm Earthwool Loft Roll 44 insulation between studs.  
 Vapour Barrier 1mm OSB.  
 15mm Megadeco plasterboard, taped and jointed.

**Internal Walls:**  
 Performance = Rw 46 dB  
 15 mm Megadeco plasterboard taped, jointed and painted.  
 70 mm metal track with 70 mm, 16 kg/m3 glass mineral wool insulation.

1 - FRONT ELEVATION

2 - REAR ELEVATION



2 - SIDE ELEVATION

1 - SIDE ELEVATION

1 Ground Floor Plan  
 1 : 50

PR	AM	Escape doors added	11/01/18
PS	AM	Issued for information	06/01/19
PS	AM	Issued for information	20/12/18
PS	AM	Issued for information	28/11/18
PS	AM	Issued for information	21/11/18
PT	AM	Issued for information	20/11/18

No: BY: REVISION: DATE:

STAGE: CONSTRUCTION



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CLIENT: Dorset County Council

PROJECT: 12 Unit

DRAWING: Ground Floor

DRAWN	CHECKED	DATE:
AM	Checker	11/07/18
SCALE	PROJECT	
1 : 50	2056	
DRAWING	REV	
2056-ESS-XX-00-DR-W-100	P6	