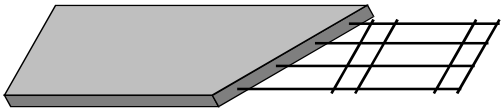
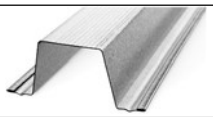
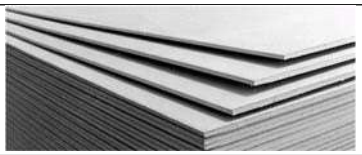
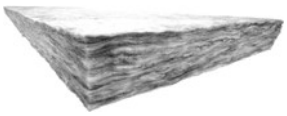
Wall System Components

Product	Description	
75mm E-METRIX®	75-mm thick reinforced AAC panel available in lengths from 1200-mm to 3000-mm in 5-mm increments.	
Tophat batten	24-mm deep x 0.42 BMT steel tophat batten of grade G550 with AZ150 coating. It is recommended to use Rondo 303 of Studco M303	
AAC panel fixing screw	For fixing the 75mm E-METRIX® to the tophat batten use 14-10x90 Type 17 hex head screws in accordance with AS 3566.1. Corrosion class shall be in accordance with AS 3566.2 as follows: • Class 3 for moderate & mild environments • Class 4 for marine, severe marine & industrial environments.	
Stud frame fixings	For fixing the steel tophat battens to the stud framing use 12-11x45 Type 17 hex head screws in accordance with AS 3566.1. Corrosion class shall be in accordance with AS 3566.2 as follows: • Class 3 for moderate & mild environments • Class 4 for marine, severe marine & industrial environments.	
Pliable membrane	Pliable membrane fixed to the stud framing to be in accordance with AS/NZS 4200.1 with water barrier classification.	
Plasterboard	Plasterboard shall be either 10-mm standard grade (min. 8.4 kg/m^2) or 13-mm fire-rated grade (min. 10.4 kg/m^2). Refer to acoustic performance section. It is recommended to use Gyprock, Knauf or USG Boral brands.	
Stud framing	The load bearing timber stud framing shall be either 70-mm or 90-mm in accordance with AS 1720 or AS 1684 series.	
Insulation	75 or 90-mm glasswool wall insulation consisting of an R-Value that is suitable for the required thermal performance. For acoustic performance use 75mm thick with a minimum density of 14 kg/m^3 minimum. It is recommended to use fletcher, Bradford or Knauf brands.	
Panel Adhesive	Cement based tile adhesive for all 75-mm E-METRIX® joints excluding control joints. Approved product is Dunlop AAC concrete block adhesive.	
Anti-corrosion paint	When panels are cut the exposed ends of the reinforcement must be treated with corrosion protection paint. It is recommended to use a zinc rich paint, e.g. Dy-Mark Zinc Guard	
Sealant	An external grade sealant shall be used for all control joints. For walls that require fire resistance, use a fire-rated sealant. Approved product is *Selley's Flame Flex.*	
Backing rod	To maintain the correct thickness of sealant in joints use backing rod. The thickness of the backing rod is to be suitable for the joint thickness.	