

roof finish
bitumen felt

truss system
 foot:45*95 foot 45*120
 tie:45*120 tie:45*120
 rafter:45*95 rafter45*95

gables external walls
 200mm insulation
 150mm aerated concrete
 8mm osb wind board
 25*50mm distance strip
 8*25mm shera planks

first floor external walls
 108mm brick outer leaf
 200mm insulation
 150 mm aerated concrete inner leaf

first floor internal walls
 2 layers of gypsum walls
 12.5mm each
 soft insulation 70mm

posi joist
 300*90mm
 220*90mm

ground floor external walls
 108mm brick outer leaf
 200mm insulation
 150mm aerated concrete inner leaf

ground floor internal walls
 150mm concrete

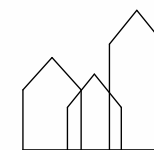
deck element (heavy floor partition)
 180mm light weight concrete

basement external walls
 sandwich elements
 100mm concrete outer leaf
 200mm insulation
 150mm concrete inner leaf

basement internal walls
 150mm prefabricated
 wall panel

external foundation
 600*400mm reinforced concrete

internal foundation
 400*400 reinforced
 concrete



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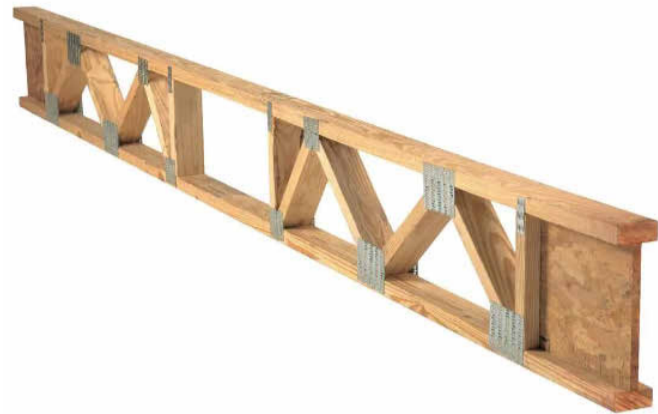
CLIENT: John and Jane	CONSULTANT: GROUP 8	
PROJECT: 2 storey house with basement	DATE: 11/11/22	STAGE: Project Status
SUBJECT: BDS	SCALE:	IXX_K01_TXX_H1_EX_N07
DRAWN BY: Group 8	CLASS:	



Bitumen Felt Roof



Wood/Aluminium Window



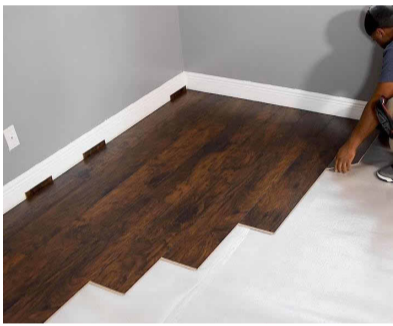
Posi Joists For 1st floor Construction



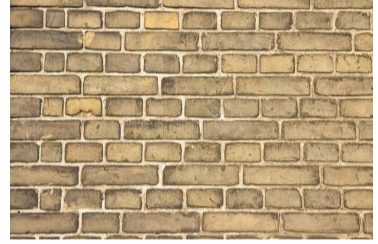
Floor Tiles



Prefabricated Light Shaft

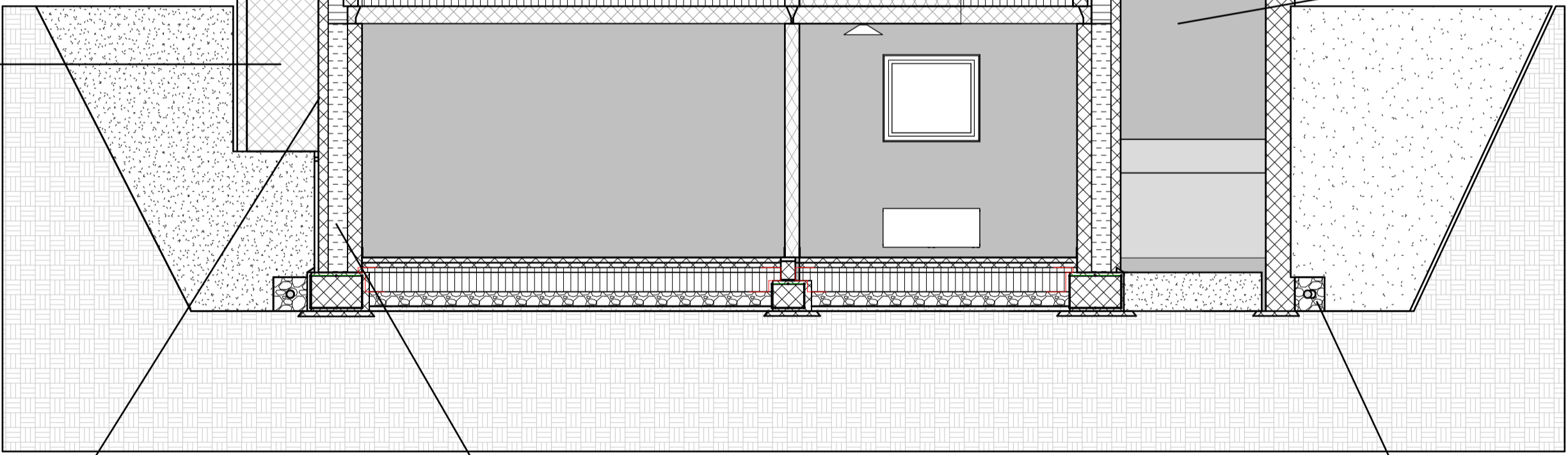


Wooden Floors



Outer Leaf Bricks
Inner Leaf Aerated Concrete Walls

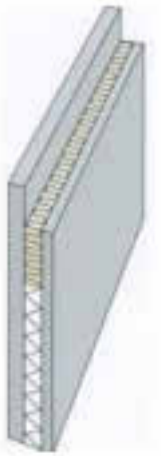
Prefabricated external stairs



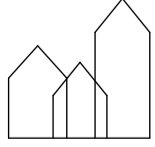
Perimeter Drain



Prefabricated Sandwich Element



Vinyl Windows



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PROJECT: 2 storey house with basement	DATE: 01/08/23	IXX_K01_TXX_H1_EX_N53
SUBJECT: Building System	SCALE: 1 : 50	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH21-22S	