

FOUNDATION & CONCRETE SLAB:
A ---SCRAPE BACK TOPSOIL (30cm) TO EXPOSED
CLAY INFILL WITH GRAVEL (GAP 20) AND COMPACT
FOUNDATION WORK REFER TO ENGINEER'S
DETAILS

EXTERNAL:
B ---350mm rammed earth walls. 100mm AUTEX
insulation

INTERNAL WALLS:
C ---Reused 90mm rammed earth formwork framing.
19mm reused plywood from rammed earth formwork
for interior wall linings. REFER ENGINEERS DETAILS
D ---Except wet areas which are to have GIB Aqualine
E--- Internal stair wall to be formed out of 90mm framing

FLOORS:
F ---19mm reused plywood from rammed earth
formwork glued and screwed to EX300X100mm timber
joists @ 600CRS. MAX. For wet areas H3 plywood shall
be used.

CEILING:
G ---. Recycled timber flooring OR 19mm reused
plywood from rammed earth formwork to be used
for all ceilings except ceilings for all wet area which
are to be GIB Aqualine. Mid floor ceiling insulation.

SOFFITS:
H --- All soffits to be recycled timber glued and
screwed to exterior roof framing

ROOF:
H---2° pitch membrane roof (NURALITE NURAPLY
3PY) or similar on 15mm plywood on timber truss/rafter
refer to roof framing plan. Ceiling insulation to be Autex.
2 layers to Acehive R5

I- Green roof.

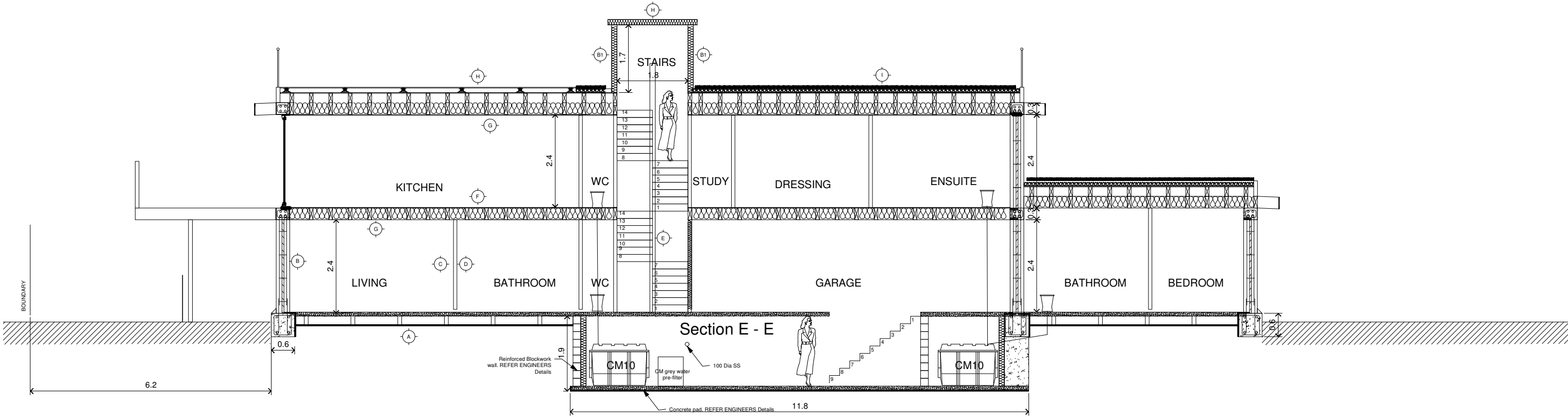
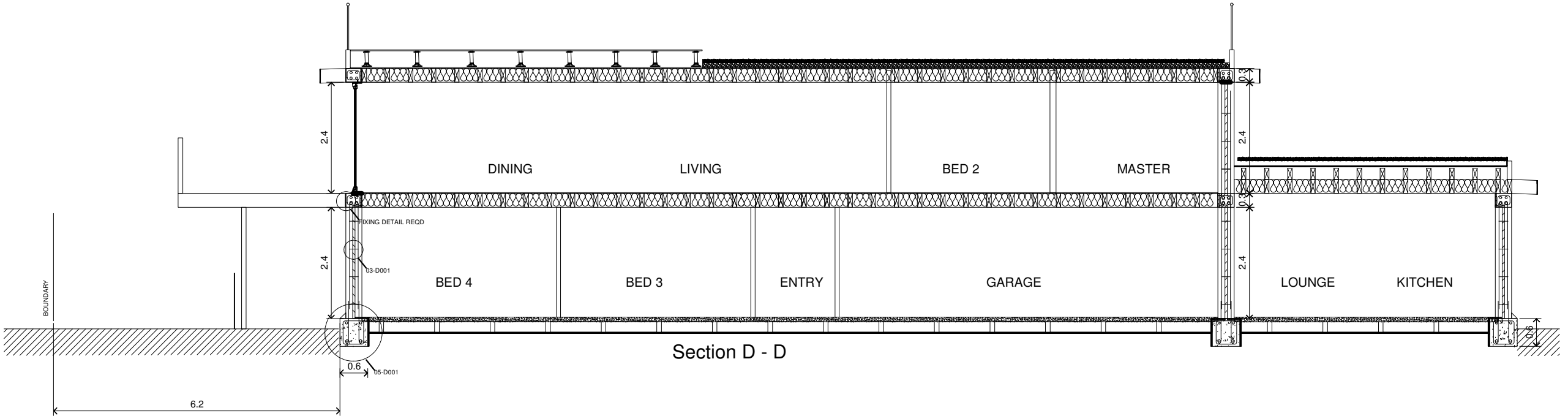


Table 1 - Insulation Guidance Tables (Source: MBIE, 2010 and Passive House Institute, 2010).

Zone 1 & 2	Code	Better	Best	Passive House
Roof	R 2.9	R 3.6	R 4.0	R 3.5
Wall	R 1.9	R 2.4	R 2.6	R 3.1
Floor	R 1.3	R 1.5	R 1.8	R 1.5
Windows	R 0.26 (double glazing with aluminium frames)	R 0.31 (thermally broken frames or low-e glass)	R 0.36 (double-glazed wood/PVC frame)	R 0.8 (Low-e double- glazing)
Zone 3	Code	Better	Best	Passive House
Roof	R 3.3	R 4.0	R 5.0	R 7.8
Wall	R 2.0	R 2.6	R 2.8	R 6.5
Floor	R 1.3	R 1.8	R 1.9	R 2.4
Windows	R 0.31 (thermally broken frames or low-e glass)	R 0.36 (double-glazed wood/PVC frame)	R 0.48 (Low-e double-glazed wood/PVC-frame)	R 0.8 (Low-e double- glazing)



117/119 First View Ave
Beachlands

Drawing No. A009	Date JAN 17	Desc. LONG SECTIONS	
Layout No.	Drawn/Checked	Rev: C	Sub Basement
Series No.	Tol:	Rev: B	Roof Access
Scale 1:100	Units	Sheet	Dwg. Sz.
		Rev: D	Sub basement relocation