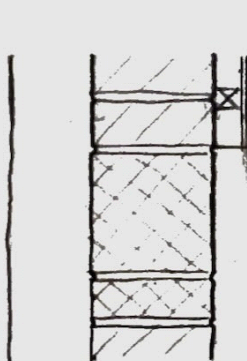


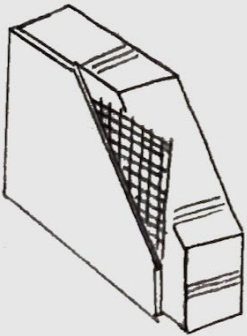
RESEARCH

TYPE 1



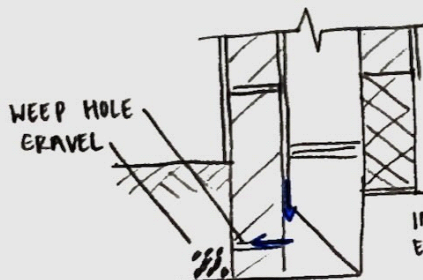
25 MM SERVICE CAVITY TO ALLOW FOR WIRES / PIPES

AUTOCLAVED AERATED CONCRETE IS USED TO ENSURE THERMAL BREAK IS MAINTAINED. MAXIMUM THERMAL CONDUCTIVITY OF 0.20 W/MK



EXTERNAL RENDER - SAND CEMENT WITH MESH

TYPE 2

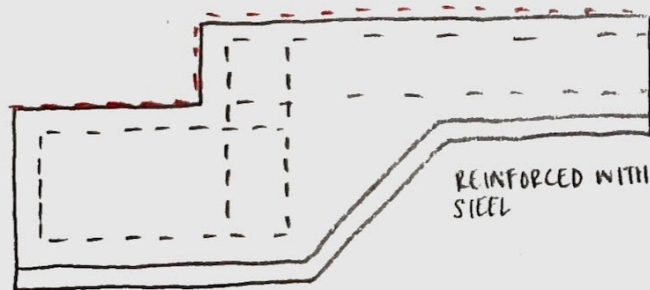


QUINNLITE THERMAL BLOCK "SUPER" - 0.12 W/MK

INSULATION CUT AN ANGLE SO IF WATER ENTERS IT WILL NOT SOAK INSULATION

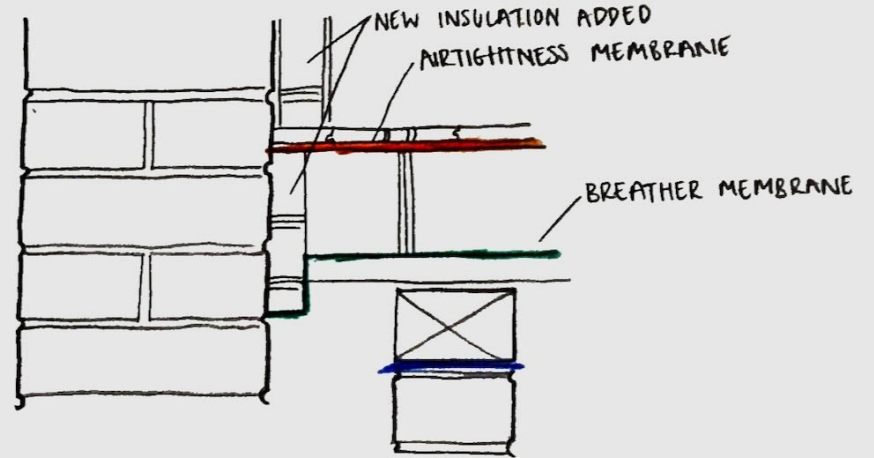
RAFT FOUNDATION

WEEP HOLE AND GRAVEL USED TO ALLOW WATER THAT HAS ENTERED TO ESCAPE



TYPICAL RAFT FOUNDATION WITH RADON BARRIER

TYPE 3 - DETAIL OF TIMBER FLOOR JOINING EXISTING WALL



AIRTIGHTNESS MEMBRANE USED TO BLOCK MOIST VAPOUR ENTERING INSULATION



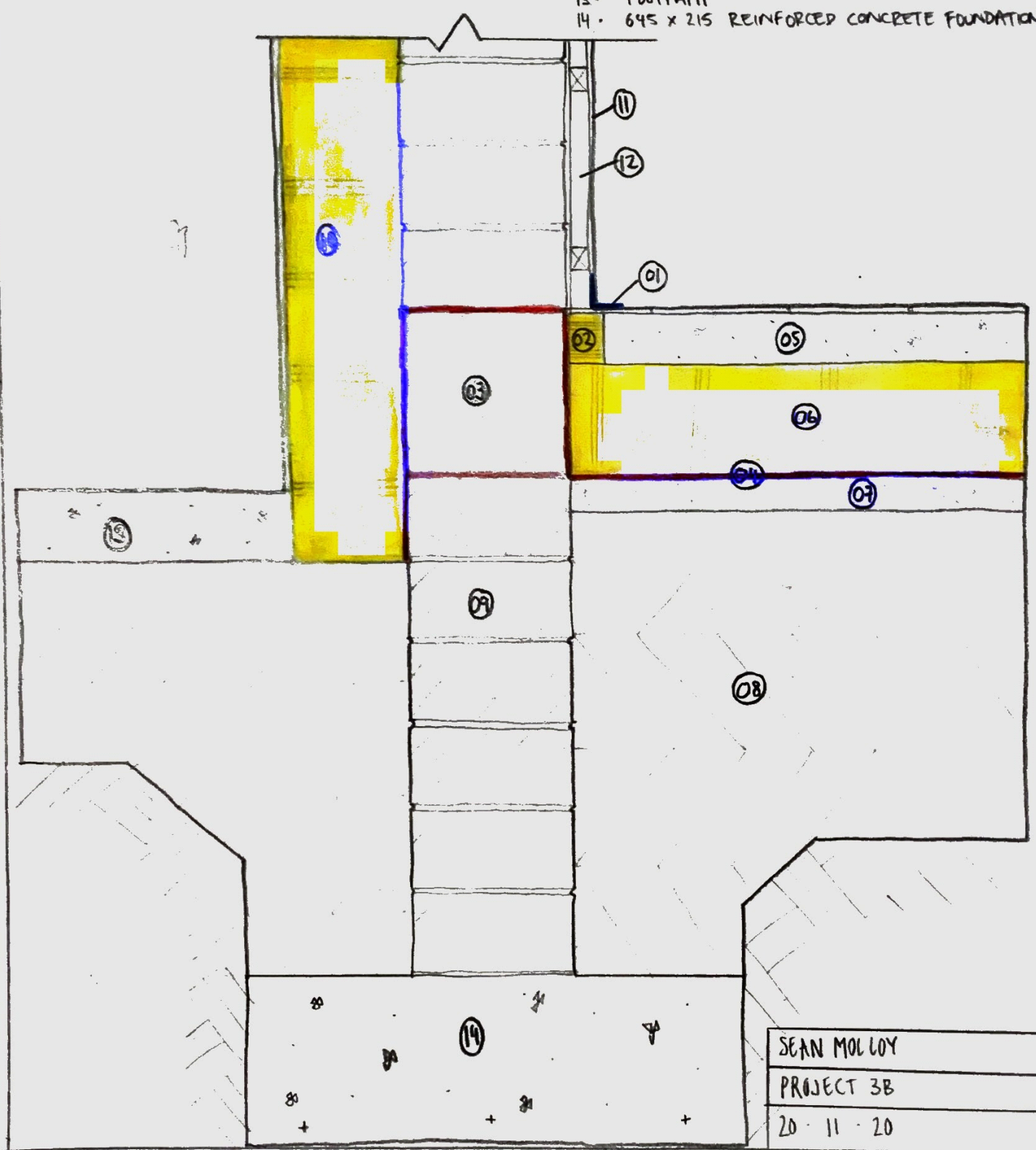
BREATHER MEMBRANE ALLOWS ANY VAPOUR THAT HAS ENTERED INSULATION TO SEEP OUT. IF IT CAN'T GET OUT IT WILL CAUSE ROT.



SEAN MOLLOY
PROJECT 3B
20.11.20

STRIP FOUNDATION / SOLID CONCRETE BLOCK ON FLAT
 + EXTERNAL INSULATION / CONCRETE FLOOR SLAB

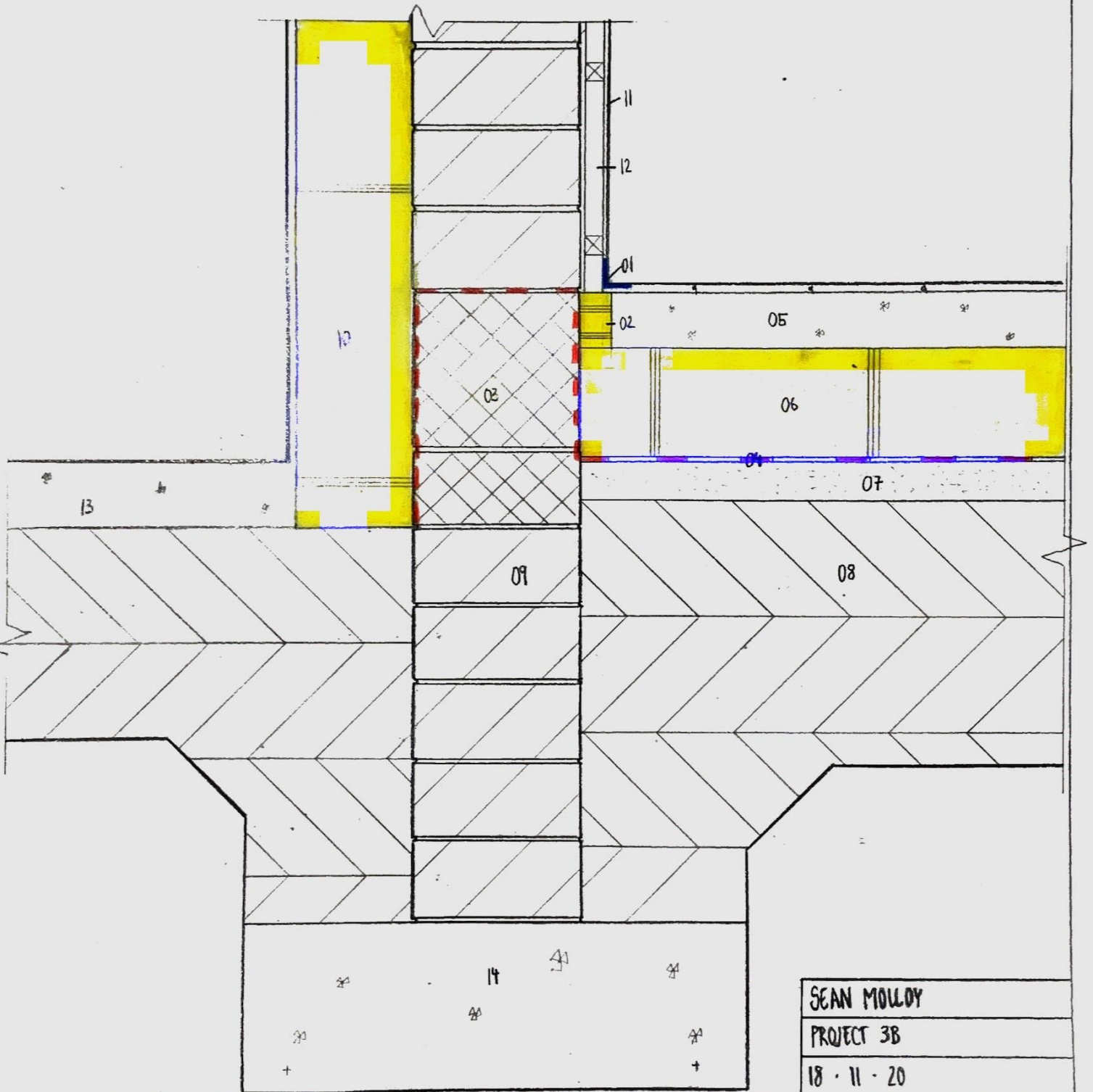
- 01 · JUNCTIONS TO BE TAPED WITH AIRTIGHT TAPE
- 02 · 50MM FLOOR PERIMETER INSULATION
- 03 · AUTOCLAVED AERATED CONCRETE (AAC) BLOCK - ENSURES THERMAL BREAK
- 04 · RADON BARRIER
- 05 · CONCRETE SUBFLOOR
- 06 · 150MM FLOOR INSULATION
- 07 · 50MM SAND BLINDING
- 08 · COMPACTED HARDCORE
- 09 · 215MM CONCRETE BLOCK ON FLAT
- 10 · EXTERNAL INSULATION ADHERED TO WALL WITH ADHESIVE MORTAR
- 11 · 15MM INTERNAL SAND CEMENT RENDER
- 12 · 25MM SERVICE CAVITY
- 13 · FOOTPATH
- 14 · 645 X 215 REINFORCED CONCRETE FOUNDATION



SEAN MOLLOY
PROJECT 3B
20 · 11 · 20

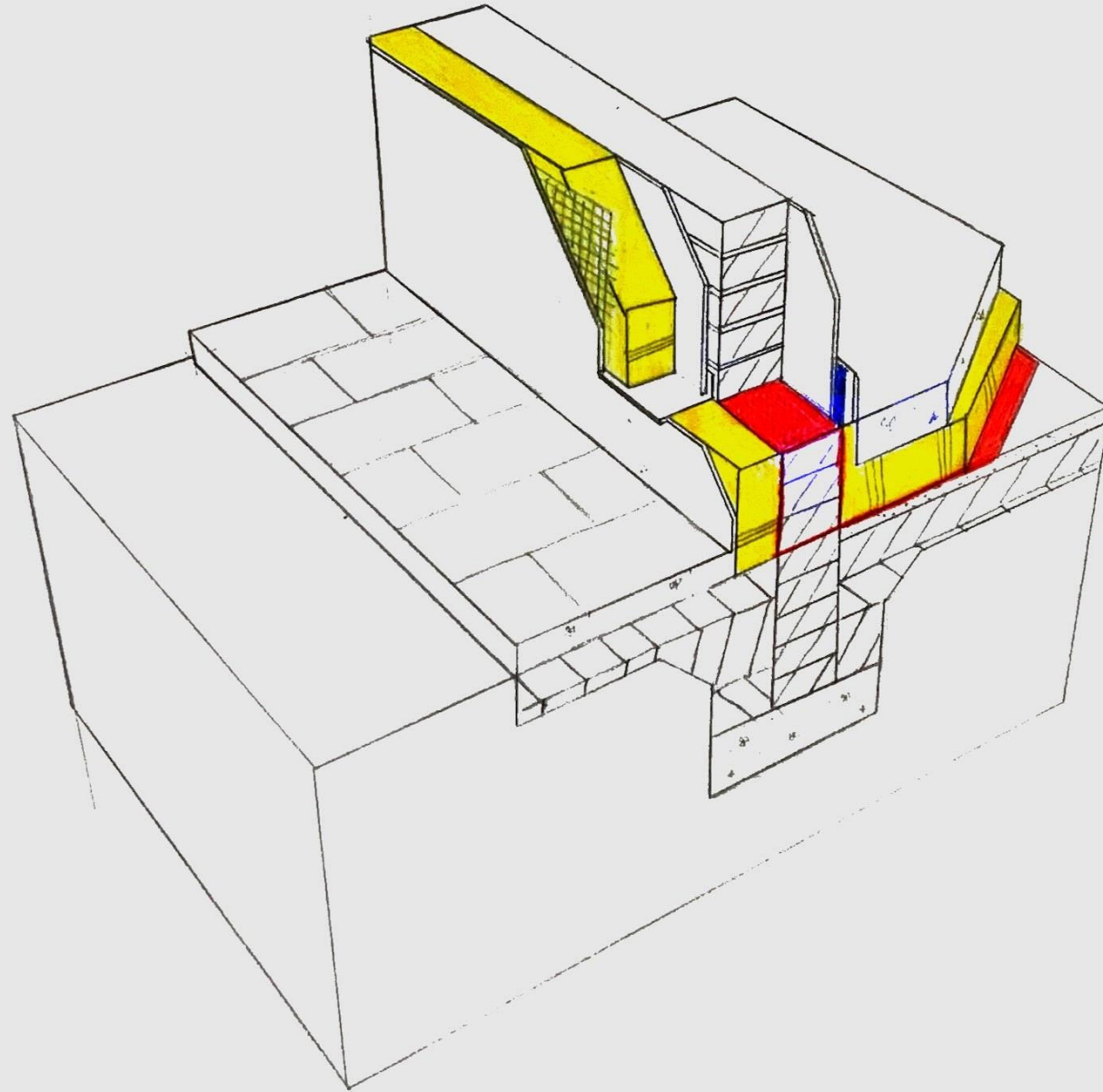
- 01. JUNCTIONS TO BE TAPED WITH AIRTIGHT TAPE
- 02. 50MM FLOOR PERIMETER INSULATION
- 03. AUTOCLAVED AERATED CONCRETE (AAC) BLOCK - ENSURES THERMAL BREAK
- 04. RADON BARRIER
- 05. CONCRETE SUBFLOOR
- 06. 150MM FLOOR INSULATION
- 07. 50MM SAND BLINDING
- 08. COMPACTED HARDCORE
- 09. 215MM CONCRETE BLOCK ON FLAT
- 10. EXTERNAL INSULATION ADHERED TO WALL WITH ADHESIVE MORTAR
- 11. 15MM INTERNAL SAND CEMENT RENDER
- 12. 25MM SERVICE CAVITY
- 13. FOOTPATH
- 14. 645 x 215 REINFORCED CONCRETE FOUNDATION

STRIP FOUNDATION / SOLID CONCRETE BLOCK ON FLAT
 + EXTERNAL INSULATION / CONCRETE FLOOR SLAB



SEAN MOLLOY
PROJECT 3B
18.11.20

STRIP FOUNDATION / EXTERNALLY INSULATED WALL

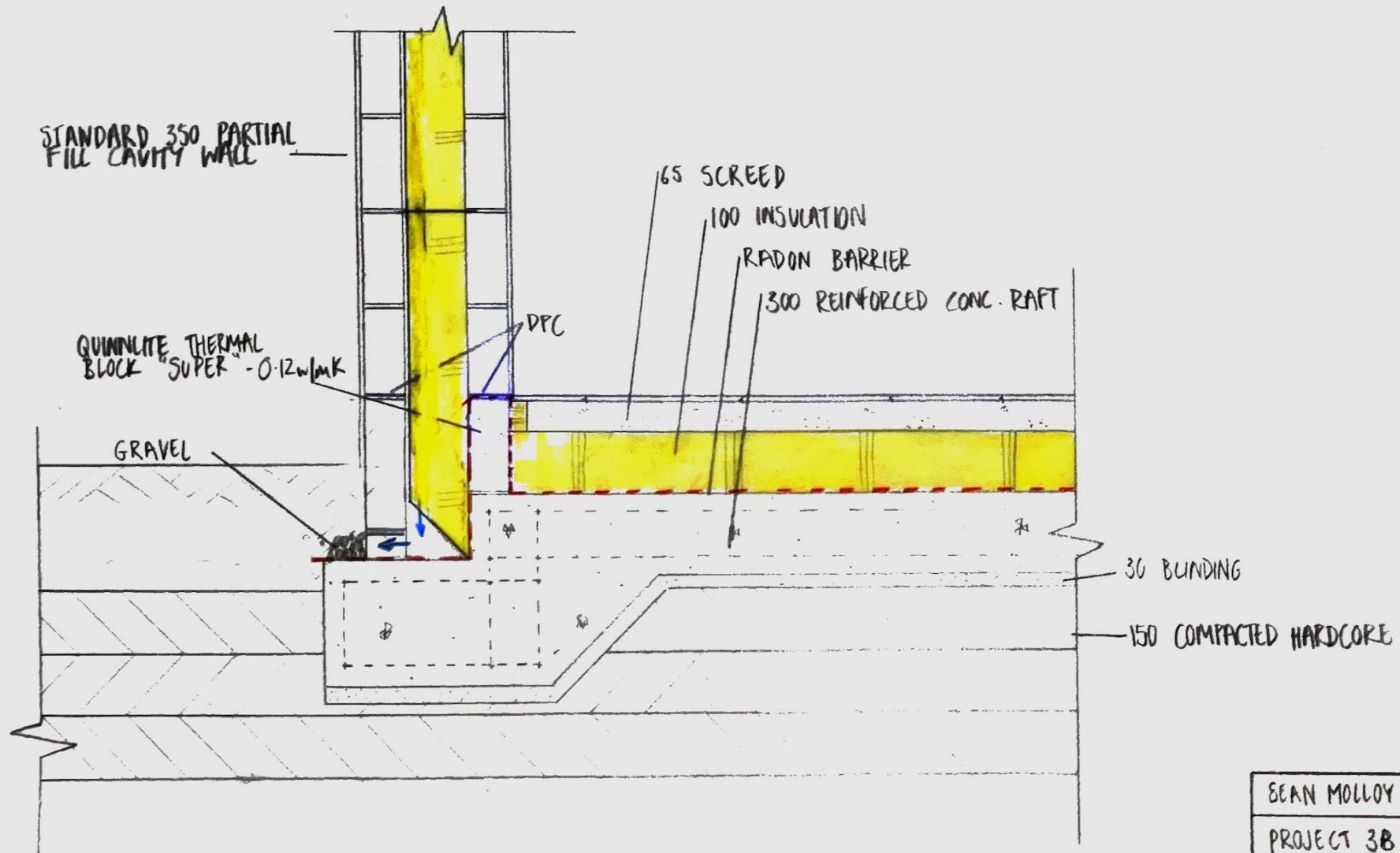


SEAN MOLLOY

PROJECT 3B

19 - 11 - 20

RAFT FOUNDATION

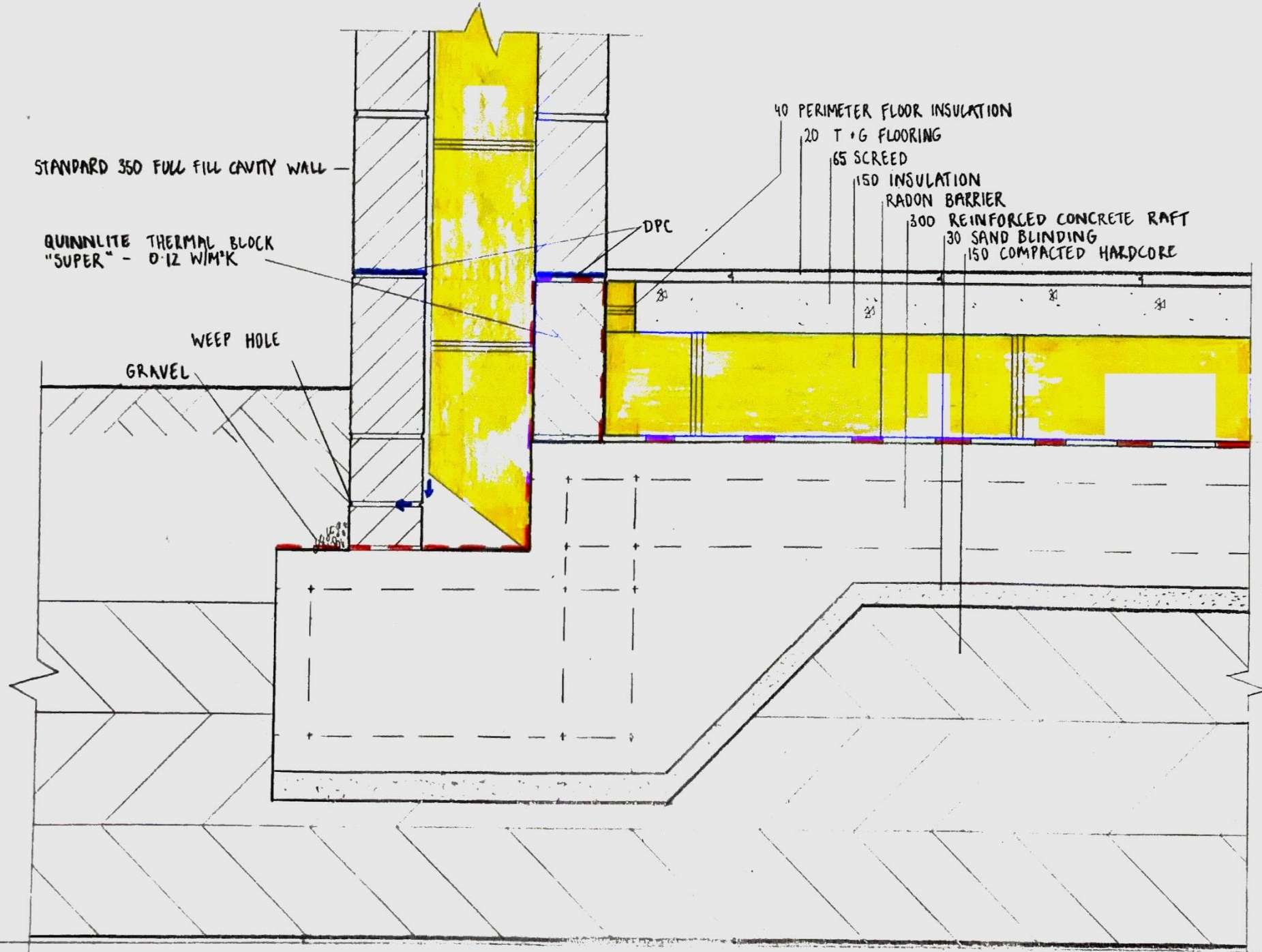


SEAN MOLLOY

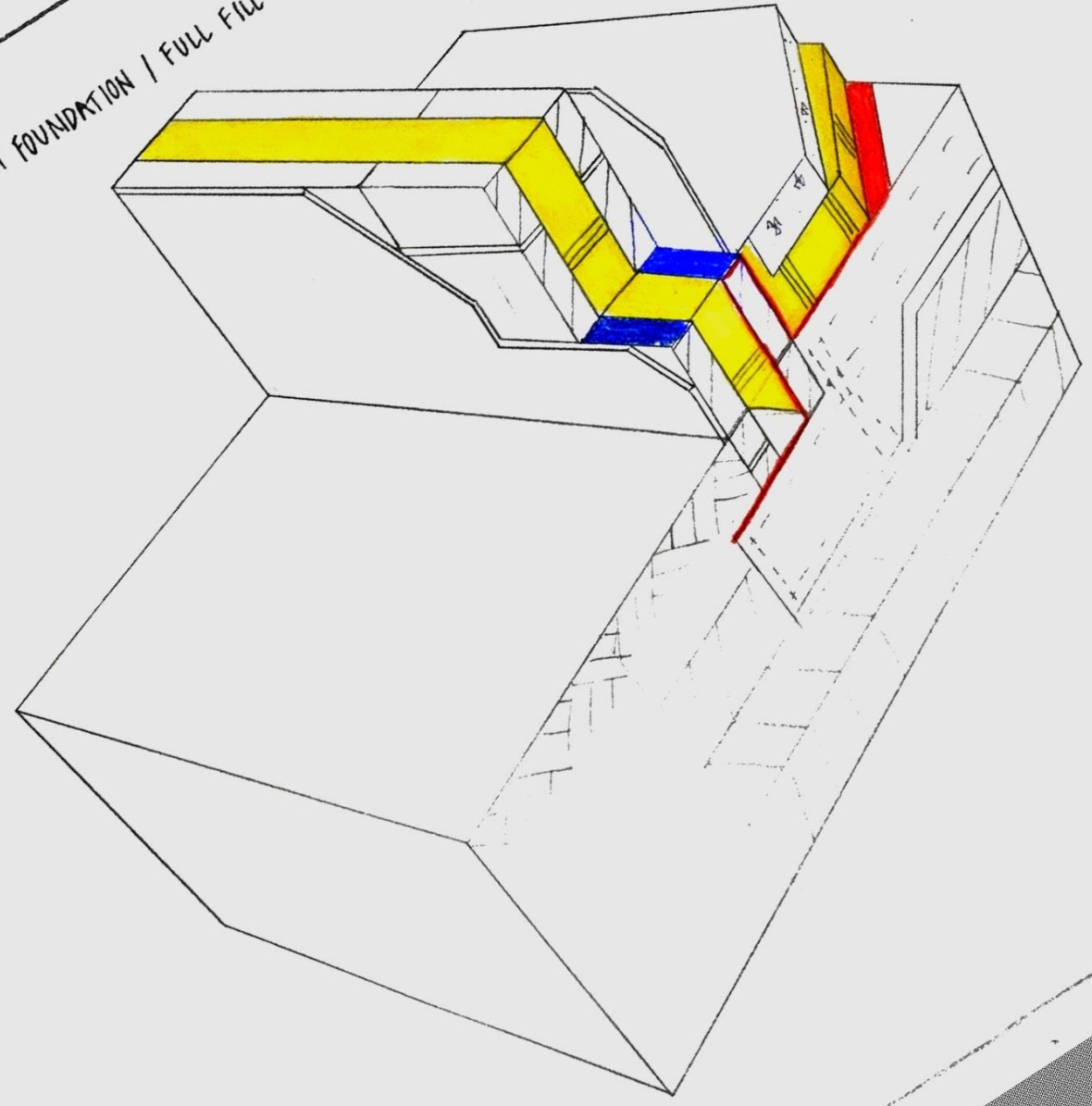
PROJECT 3B

13 · 11 · 20

RAFT FOUNDATION W/ FULL FILL CAVITY WALL

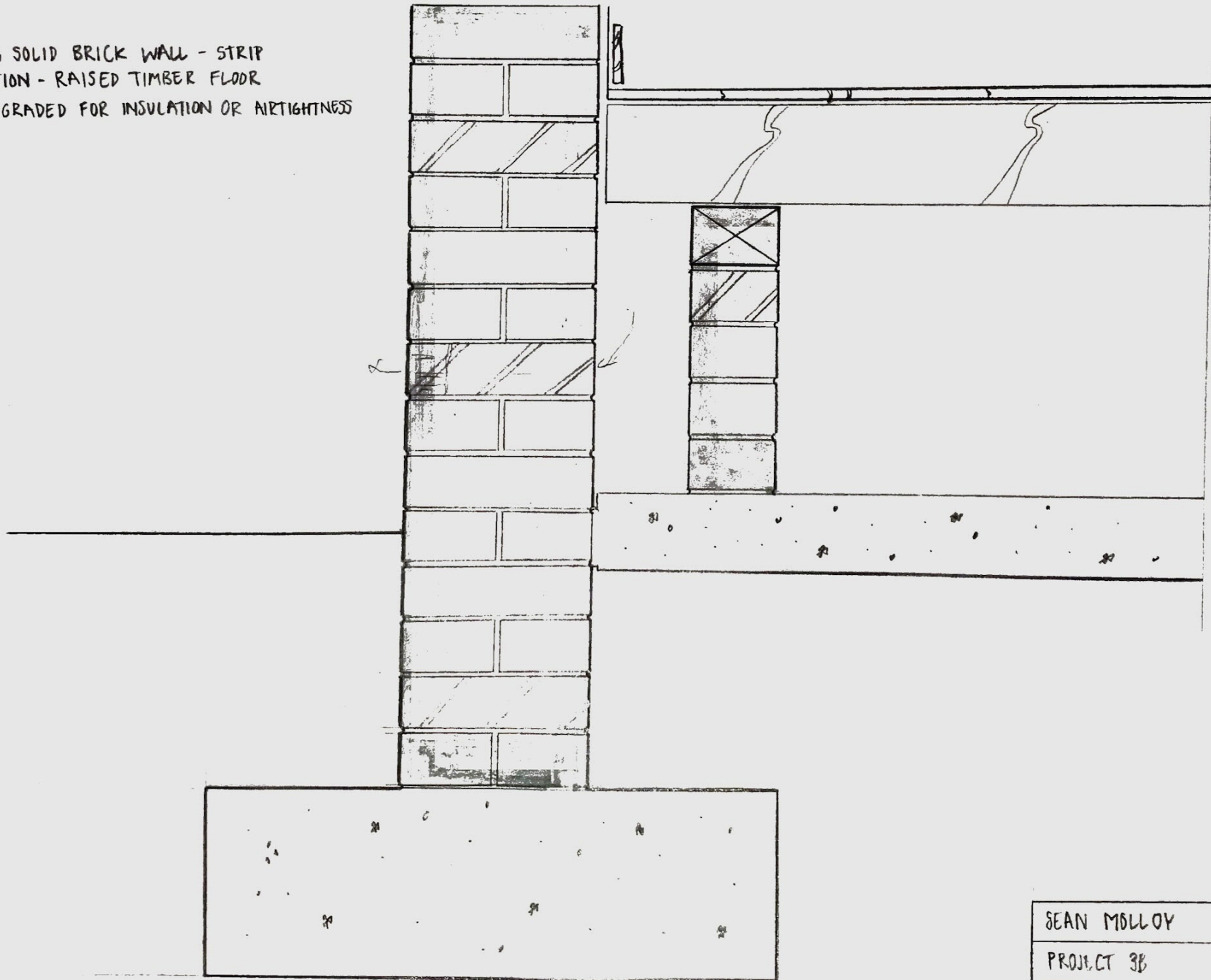


RAFT FOUNDATION / FULL FILL CAVITY WALL



SEAN MOLLOY
PROJECT 3B
19 - 11 - 20

EXISTING SOLID BRICK WALL - STRIP
FOUNDATION - RAISED TIMBER FLOOR
NOT UPGRADED FOR INSULATION OR AIRTIGHTNESS

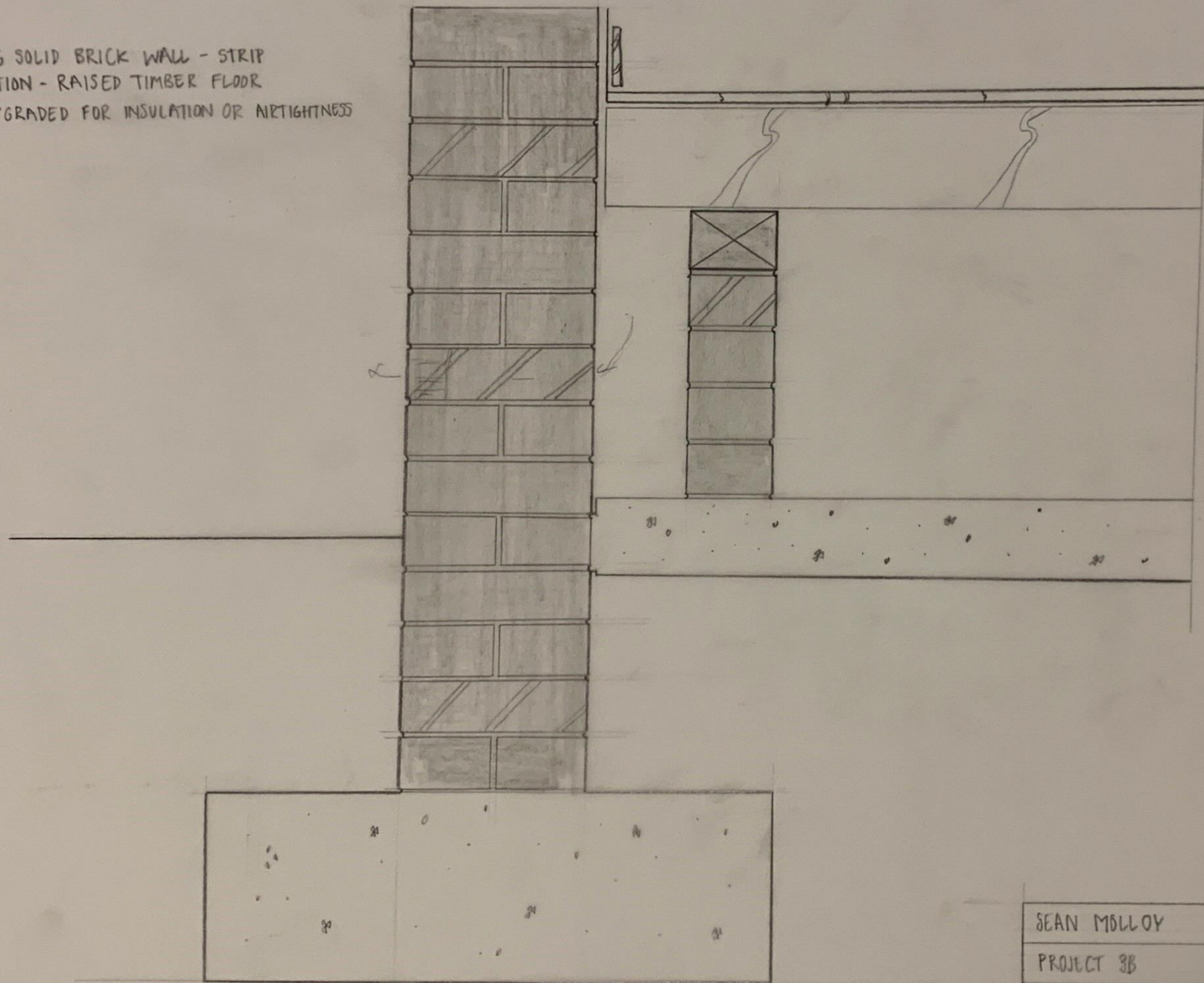


SEAN MOLLOY

PROJECT 3B

20 · 11 · 20

EXISTING SOLID BRICK WALL - STRIP
FOUNDATION - RAISED TIMBER FLOOR
NOT UPGRADED FOR INSULATION OR AIRTIGHTNESS



SEAN MOLLOY

PROJECT 3B

20 · 11 · 20

EXISTING SOLID BRICK WALL - STRIP
FOUNDATION - RAISED TIMBER FLOOR
- UPGRADED FOR INSULATION AND AIRTIGHTNESS

20 EXTERNAL LIME RENDER TO ALLOW
FOR BREATHABILITY

VENT TO ALLOW AIR FLOW

NEW INSULATION
INSULATION EDGE DETAIL
25 T & G FLOORING
AIRTIGHTNESS MEMBRANE
100 RIGID INSULATION BETWEEN 125 x 44 SW JOISTS
BREATHER MEMBRANE
25 TIMBER BATTEN

100 x 75 WALLPLATE

DPC

SLEEPER WALL, 4 COURSES OF BRICK

100 CONCRETE SLAB
40 SCREED
150 HARDCORE

240 x 720 REINFORCED CONCRETE FOUNDATION

SEAN MOLLOY

PROJECT 3B

20.11.20

EXISTING SOLID BRICK WALL - STRIP
FOUNDATION - RAISED TIMBER FLOOR
- UPGRADED FOR INSULATION AND AIRTIGHTNESS

20 EXTERNAL LIME RENDER TO ALLOW
FOR BREATHABILITY

VENT TO ALLOW AIR FLOW

NEW INSULATION
INSULATION EDGE DETAIL
25 T & G FLOORING
AIRTIGHTNESS MEMBRANE
100 RIGID INSULATION BETWEEN 125 x 44 SW JOISTS
BREATHER MEMBRANE
25 TIMBER BATTEN

100 x 75 WALLPLATE

DPC

SLEEPER WALL, 4 COURSES OF BRICK

100 CONCRETE SLAB

40 SCREED

150 HARDCORE

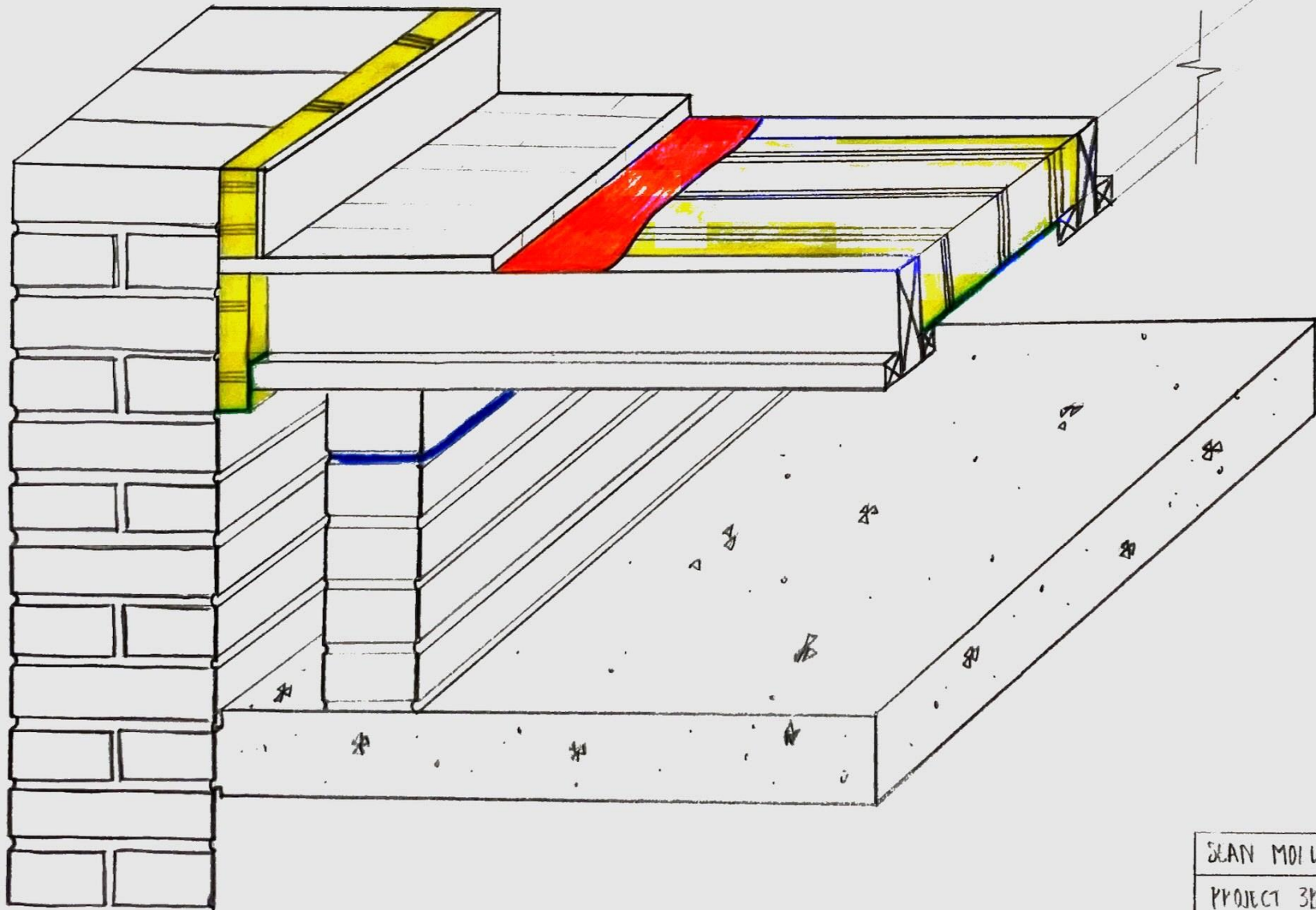
240 x 720 REINFORCED CONCRETE FOUNDATION

SEAN MOLLOY

PROJECT 3B

20.11.20

EXISTING SOLID BRICK WALL - STRIP
FOUNDATION - RAISED TIMBER FLOOR
- UPGRADED FOR INSULATION AND AIRTIGHTNESS



SEAN MOLLOY
PROJECT 38
20-11-20