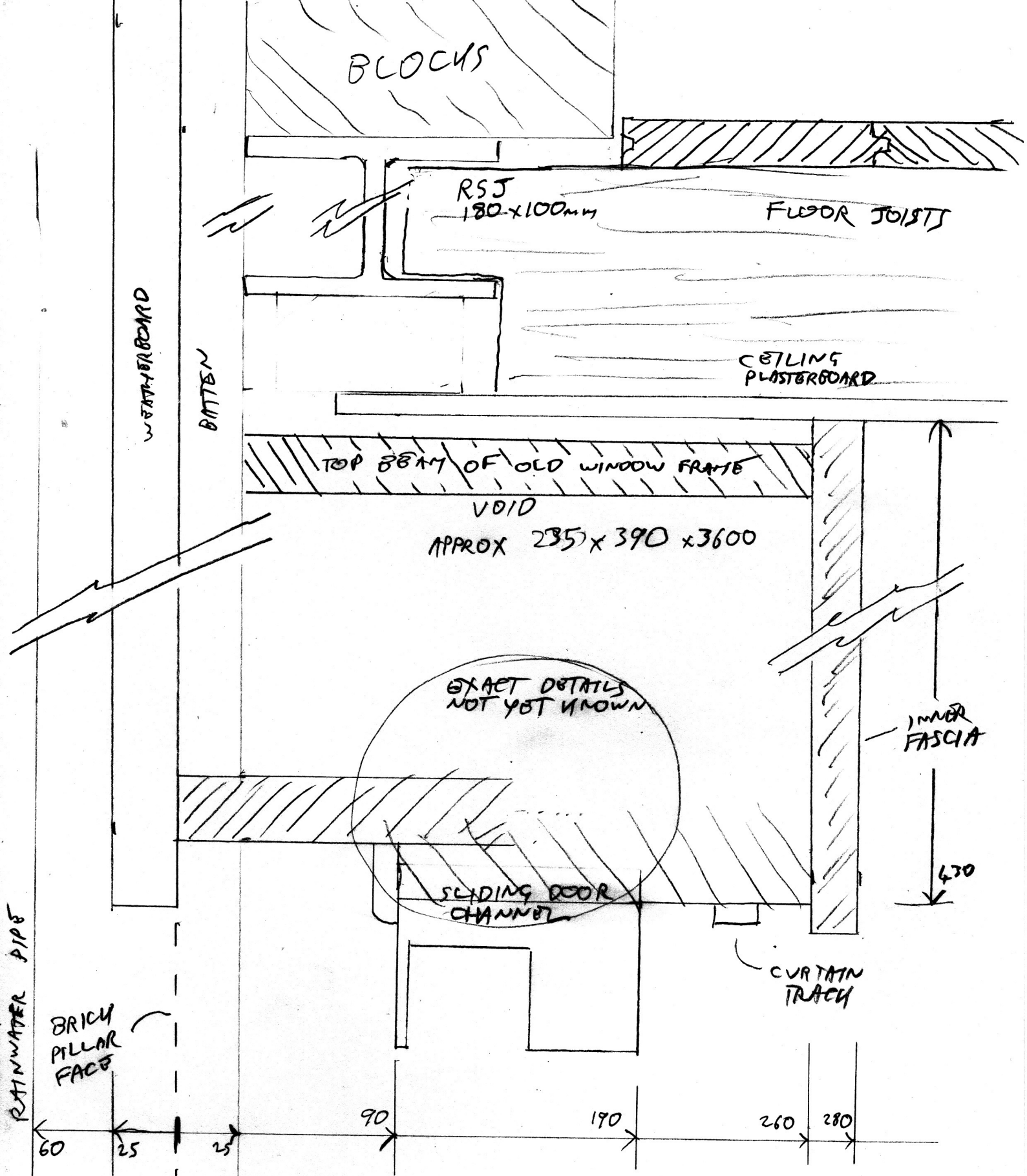


**Cedar Chase
Weatherboard Replacement
Drawings**

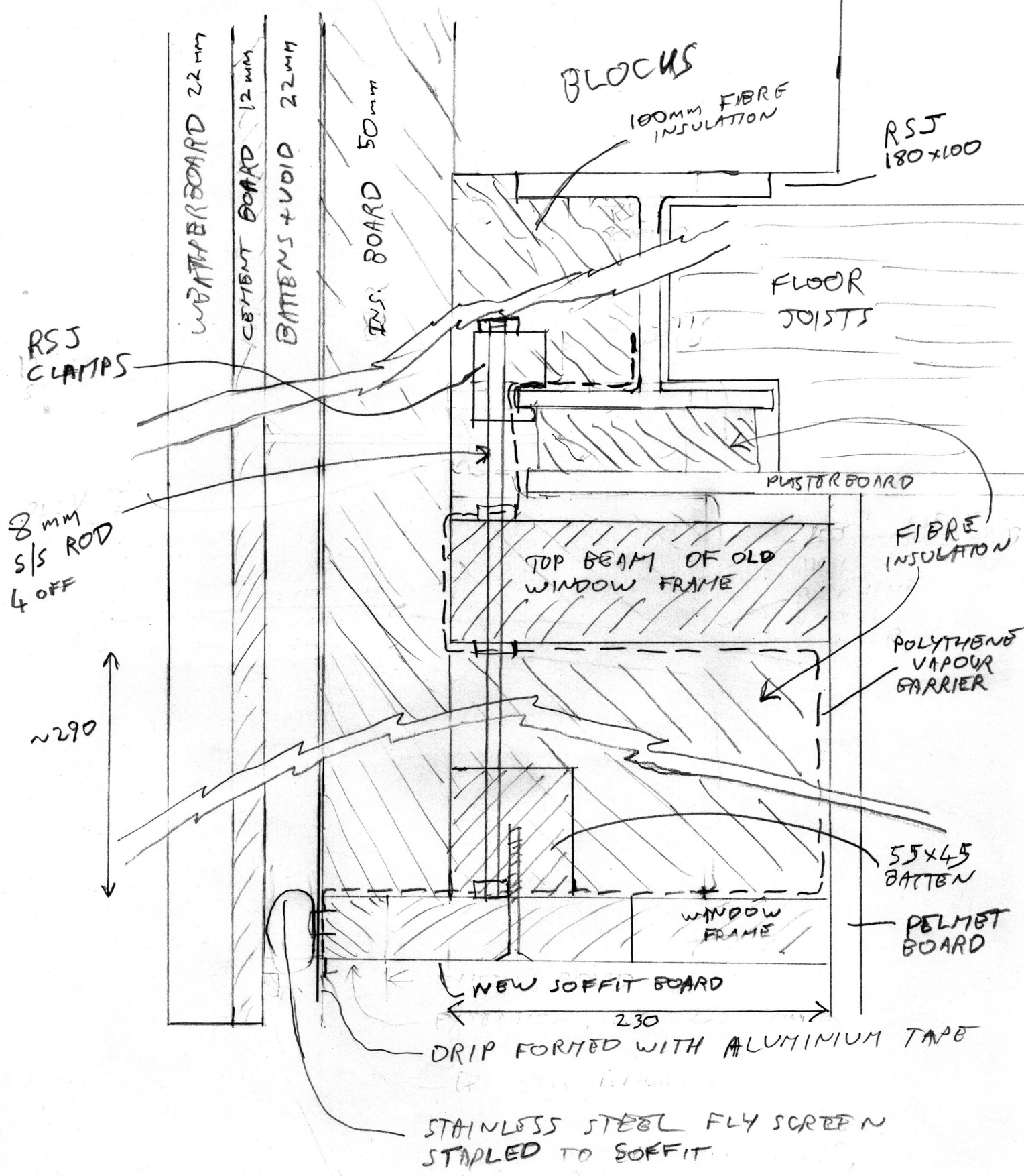


CEDAR CHASE

CROSS-SECTION OF AREA ABOVE
LARGE LIVING-ROOM WINDOW
- EXISTING

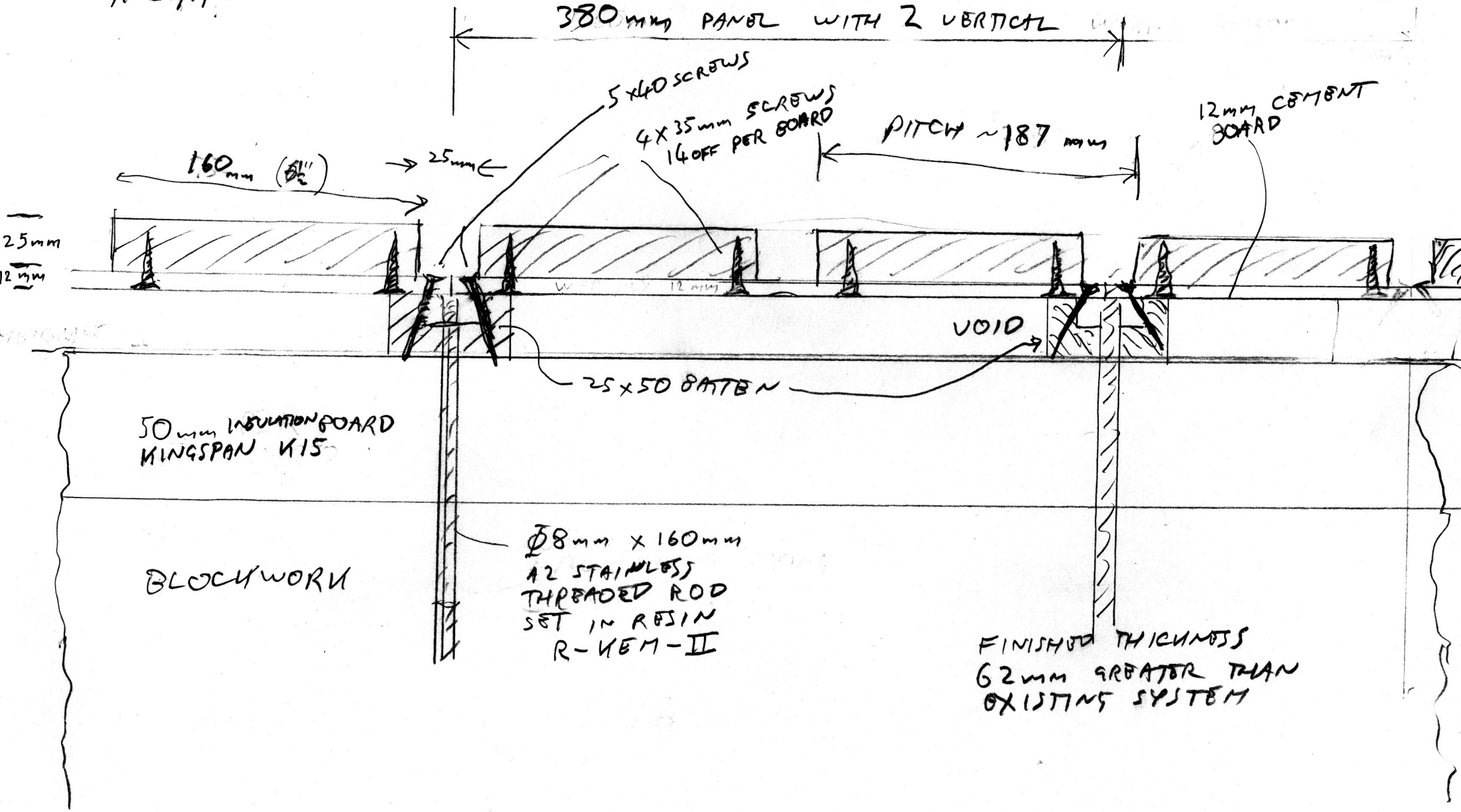
A 8/10/2019

UPDATED 26/1/2024

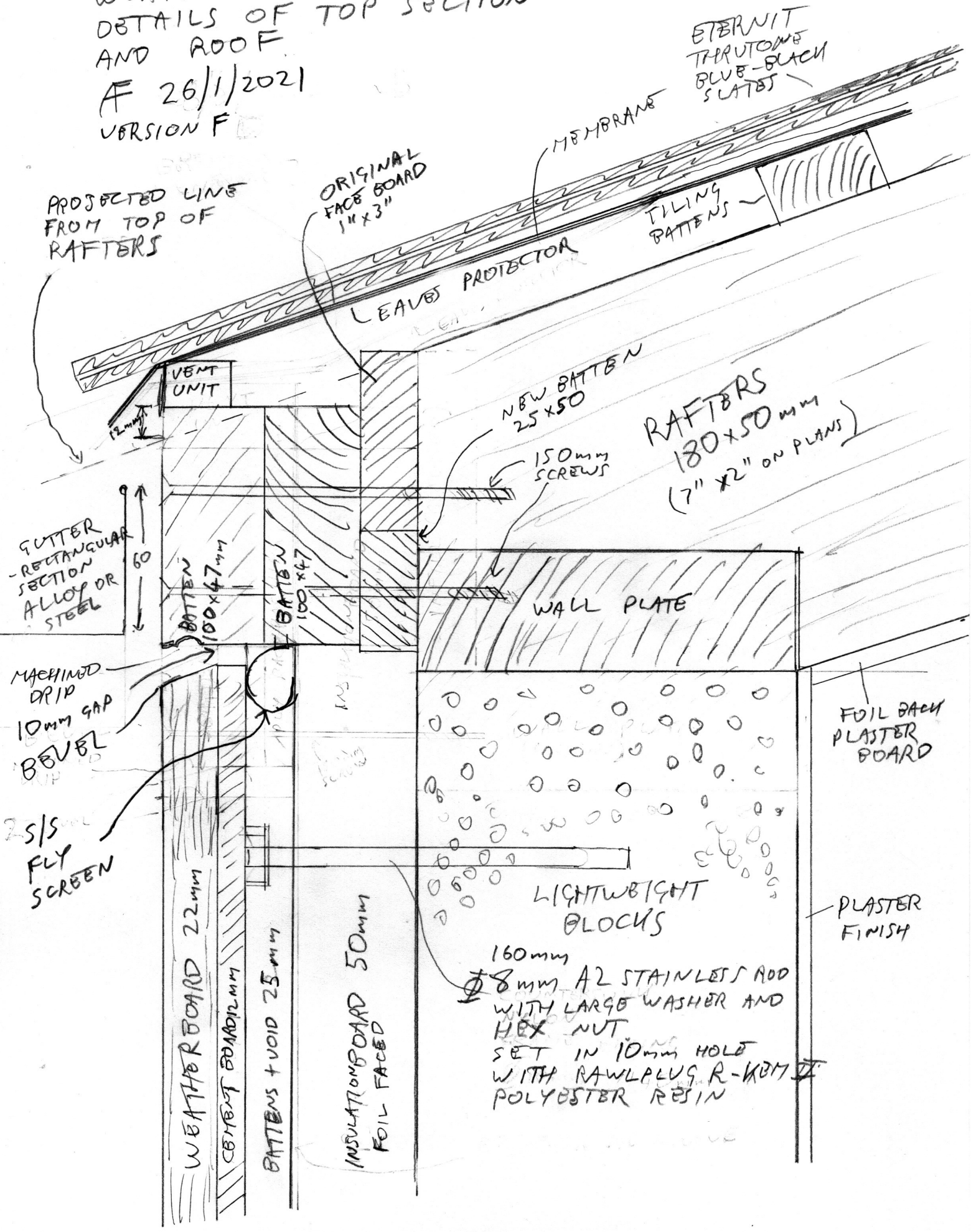


CEDAR CHASE
 CROSS SECTION ABOVE LIVING-RM WINDOWS
 - PROPOSED INSULATION
 #26/1/2021
 VERSION B

CEDAR CHUSE WEATHERBOARD REPLACEMENT
PLAN VIEW
A 26/1/2020



CEDAR CHASE
 WEATHERBOARD REPLACEMENT
 DETAILS OF TOP SECTION
 AND ROOF
 A 26/1/2021
 VERSION F



PROJECTED LINE
 FROM TOP OF
 RAFTERS

ORIGINAL
 FACE BOARD
 1 1/4 x 3"

ETERNIT
 TRAUTOMAT
 BLUE-BLACK
 SLATES

MEMBRANE

TILING
 BATTENS

LEAF PROTECTOR

VENT
 UNIT

NEW BATTEN
 25 x 50

150mm
 SCREWS

RAFTERS
 180 x 50mm
 (7" x 2" on PLANS)

GUTTER
 RECTANGULAR
 SECTION
 ALLOY OR
 STEEL

60

BATTEN
 100 x 47mm

BATTEN
 100 x 47

WALL PLATE

MACHINED
 DRIP
 10mm GAP
 BEVEL

25/5
 FLY
 SCREEN

WEATHERBOARD 22mm

CEMENT BOARD 12mm

BATTENS + VOID 25mm

INSULATION BOARD 50mm
 FOIL FACED

LIGHTWEIGHT
 BLOCKS

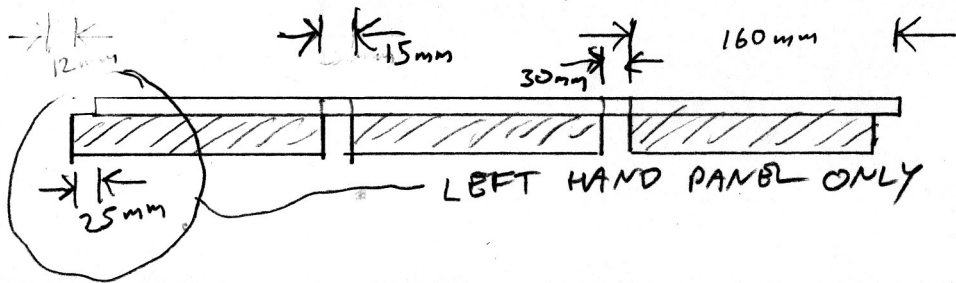
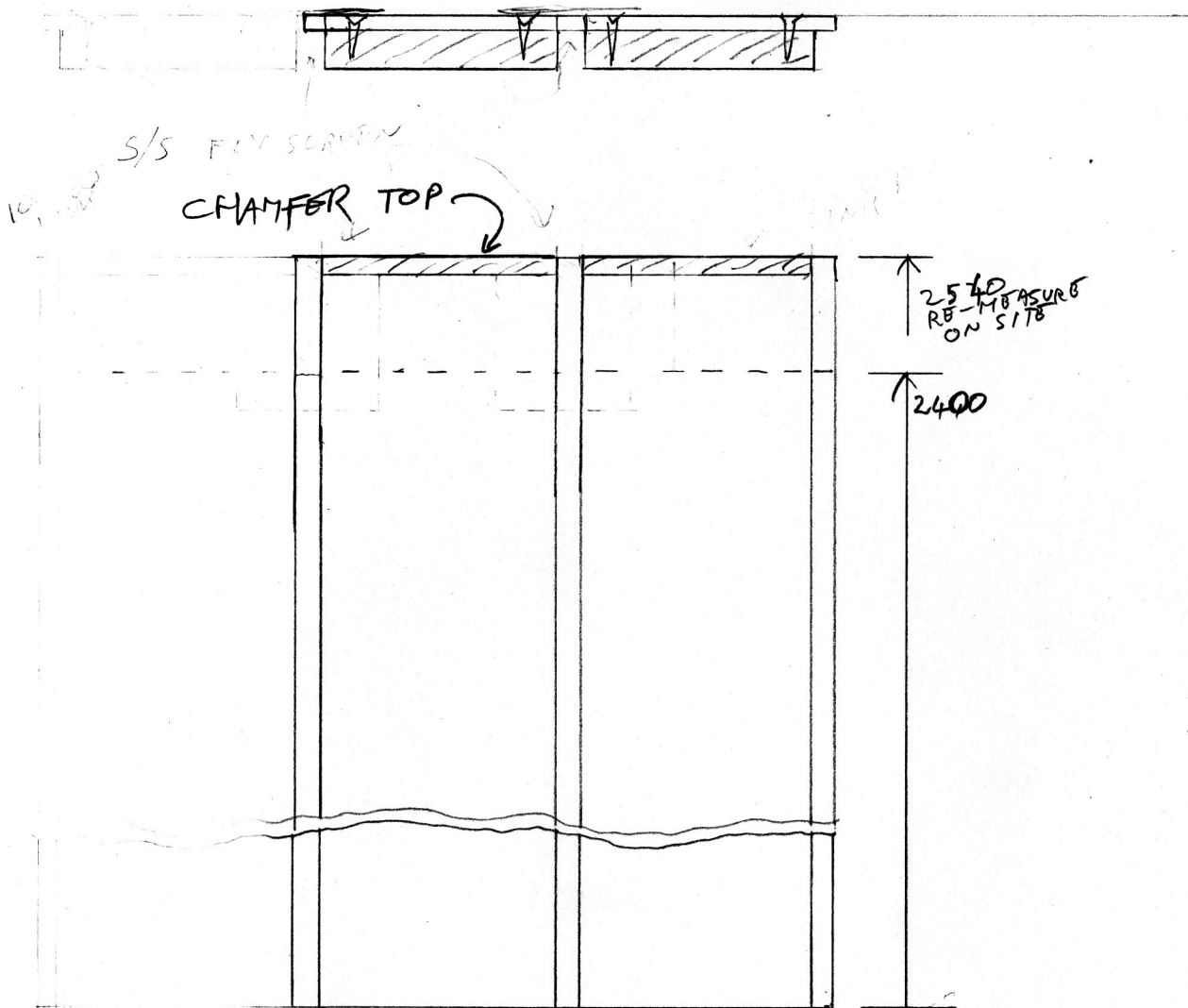
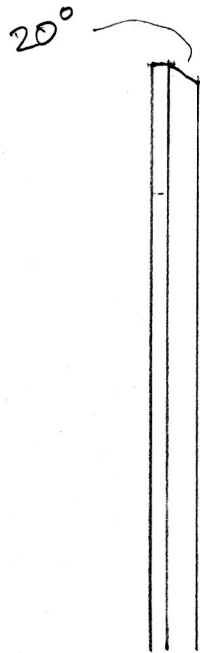
FOIL BACK
 PLASTER
 BOARD

PLASTER
 FINISH

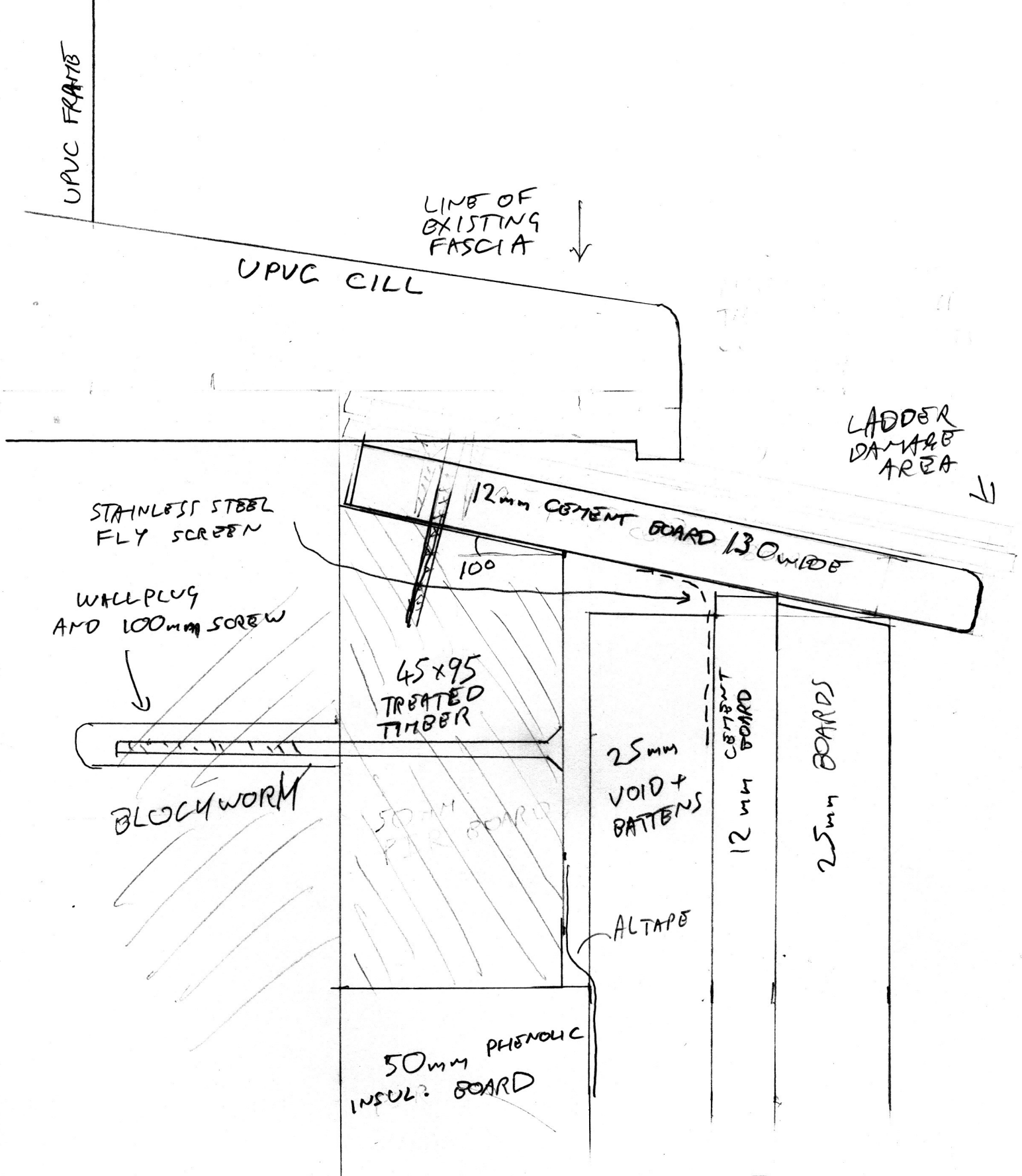
160mm
 Ø8mm A2 STAINLESS ADD
 WITH LARGE WASHER AND
 HEX NUT
 SET IN 10mm HOLE
 WITH RAWLPLUG R-KOM
 POLYESTER RESIN

CEDAR CHASE
 WEATHERBOARD
 UNIT
 VERSION E
 A 26/1/2021

FULL-HEIGHT UNIT
 WITH 2 BOARDS
 WEIGHTS ~ 30kg

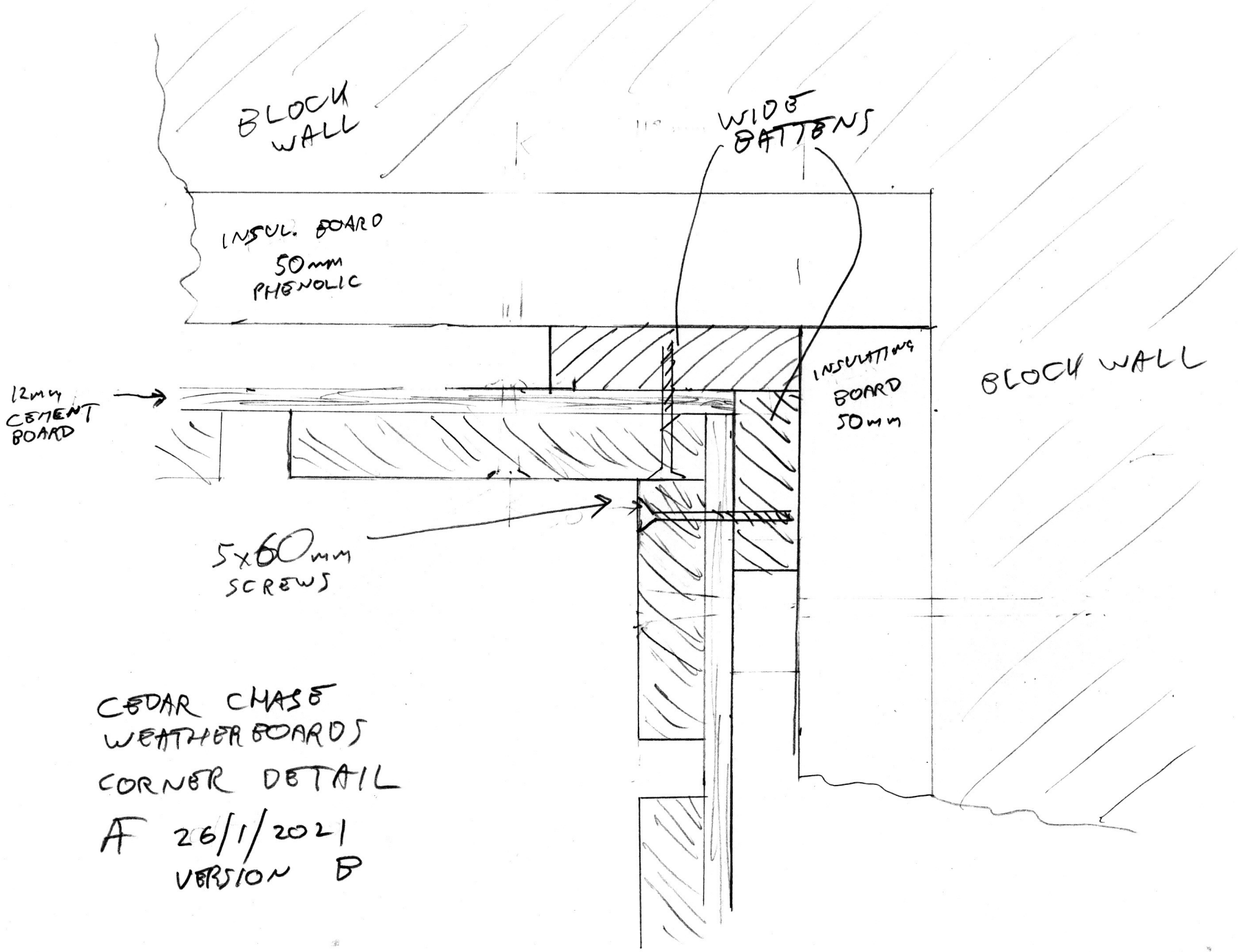


- CEMENT BOARD
- 1 OFF 12 mm BOARD 380 x 2440
- CEMENT BOARD
- 1 OFF 12 mm BOARD ~140 x 220
- 2 OFF 22 x 160 x 2540 SAWN TREATED
- 2 OFF 100 x 15
- 40 OFF 30mm SCREWS
- 12 OFF 40mm SCREWS TO FIX.

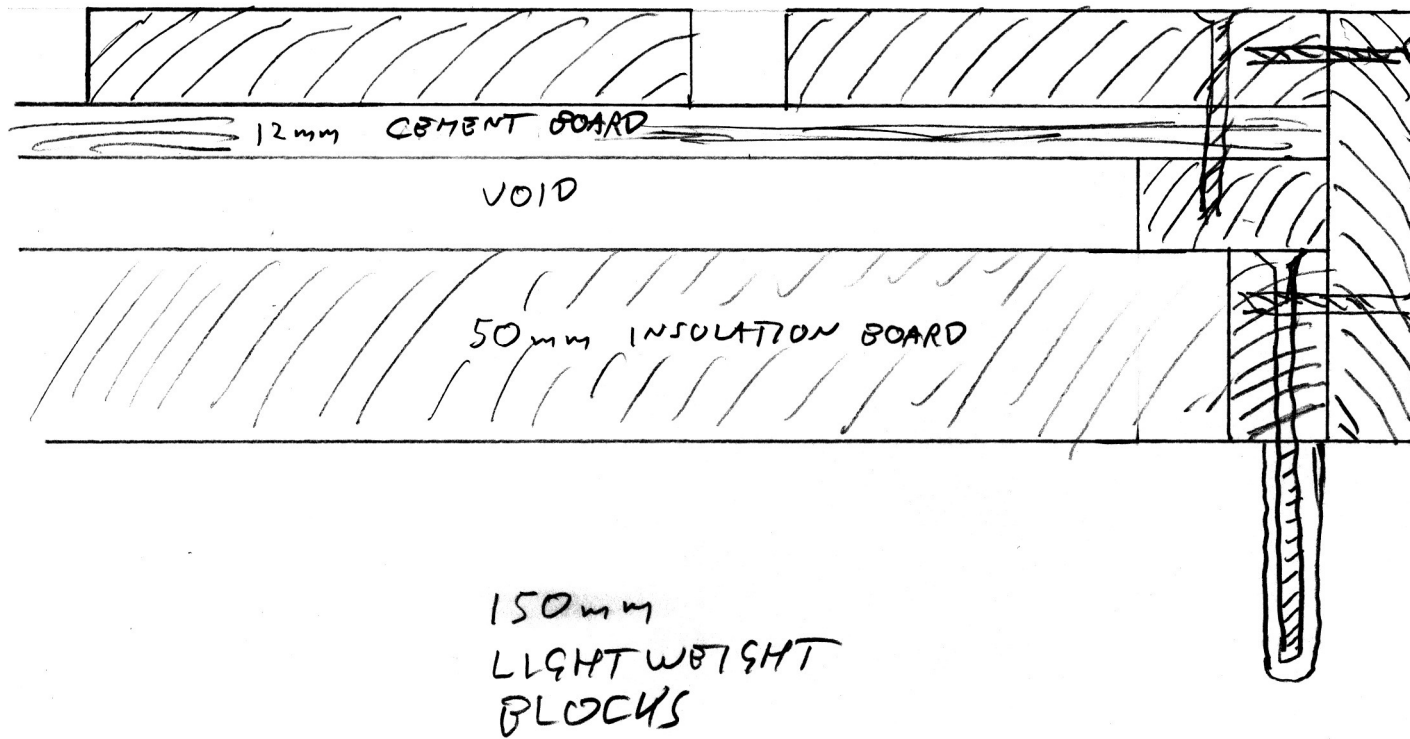


2 CEDAR CHASE
 WEATHERBOARDS
 BELOW-WINDOW DETAIL
 F 26/1/2021
 VERSION C

NOTE:
 CILL DETAIL DIFFERS
 IN OTHER HOUSES.



CEDAR CHASE
WEATHERBOARDS
CORNER DETAIL
A 26/1/2021
VERSION B



SUPPORT
FOR
RAINWATER
DOWNPIPE

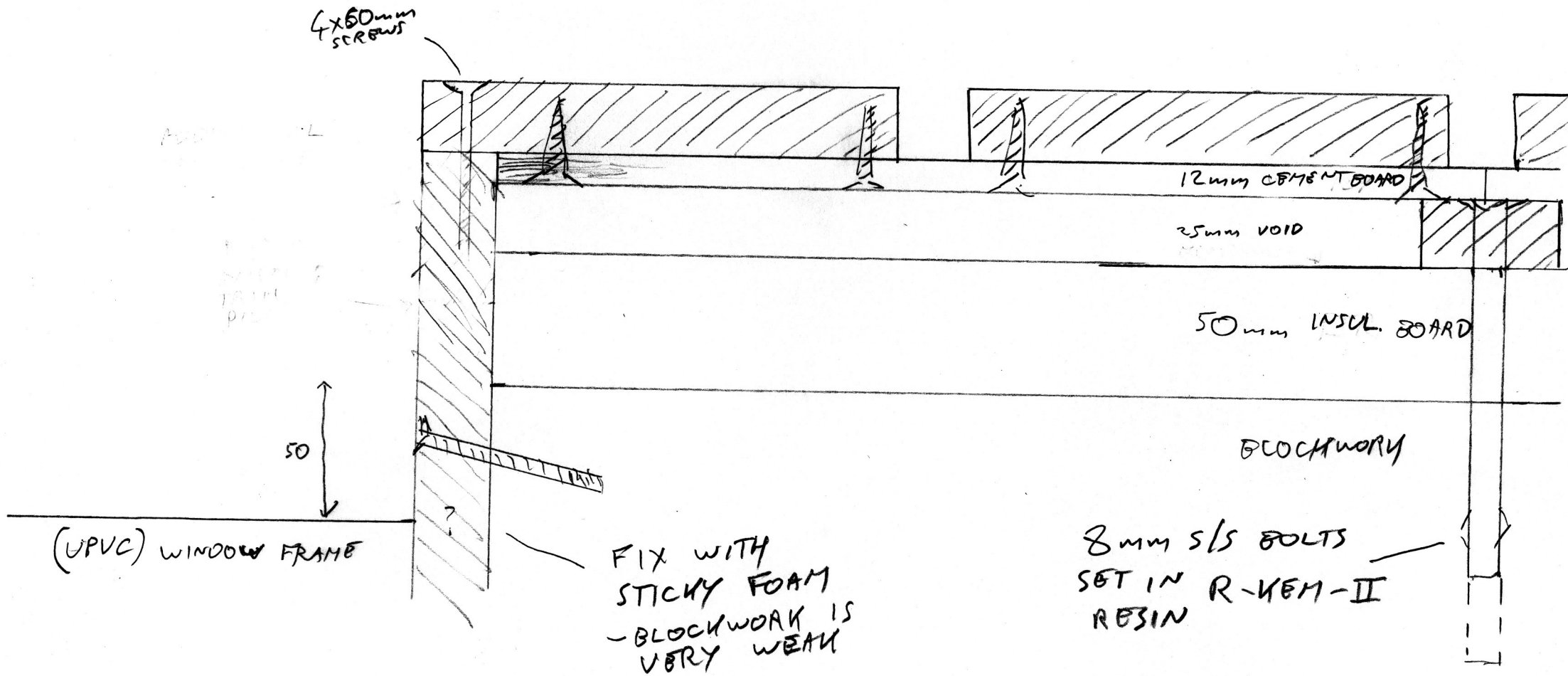
BRICK
PILLAR

CEDAR CHASE

CLADDING DETAIL : CORNER WITH DOWNPIPE
PLAN VIEW

A 10/7/2020

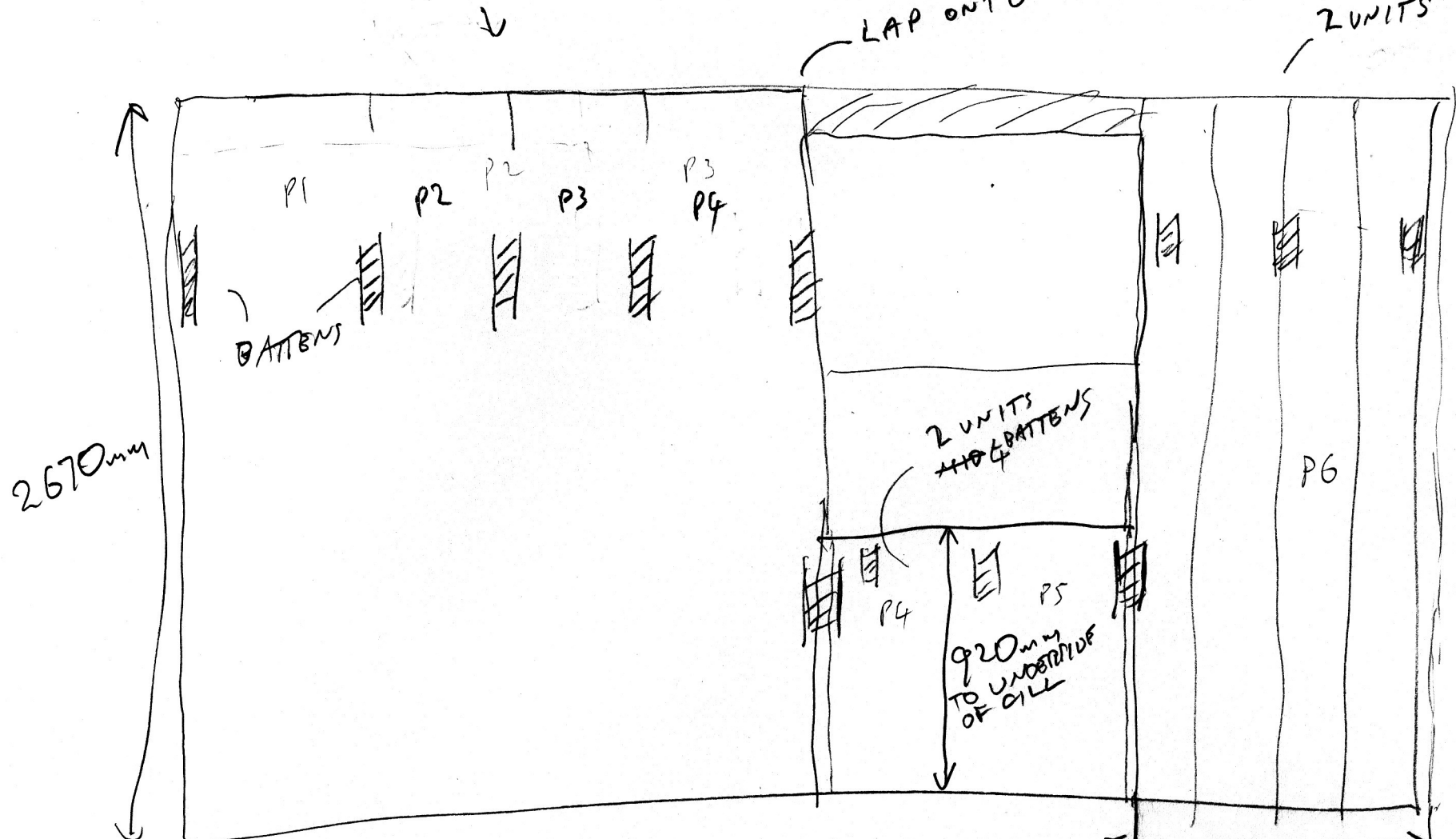
CEDAR CHASE WEATHERBOARD REPLACEMENT
PLAN VIEW OF WINDOW REVEAL DETAIL
A 26/1/2021
VERSION B







BOARD PLAN AND CURRENT SIZES SOUTH FACING
& UNITS



GAP CALCS ASSUME
BOARDS 160mm WIDE

28/8/2020

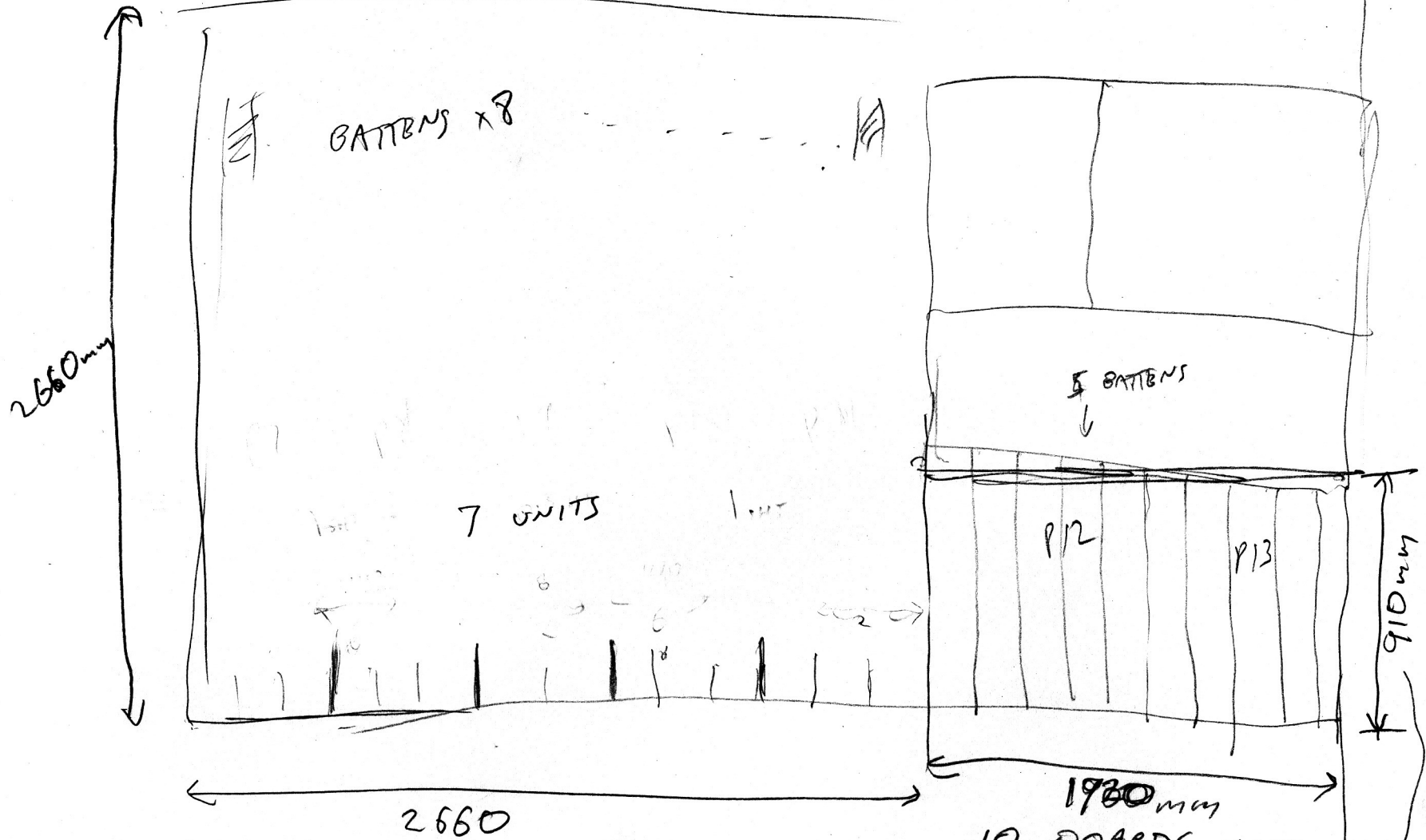
9 BOARDS (LH TWO NARROW)
1630mm
8 GAPS → 200
9 BOARDS → 1440
@160

7 BOARDS 8 GAPS
1320mm
↓
GAP 33

4 BOARDS 3 GAPS
790mm
48 + 36 = 715
↓
GAP 43

THIS EDGE
WILL MOVE
LEFT BY
~60mm

BOARD PLAN AND CURRENT SIZES, WEST FACING



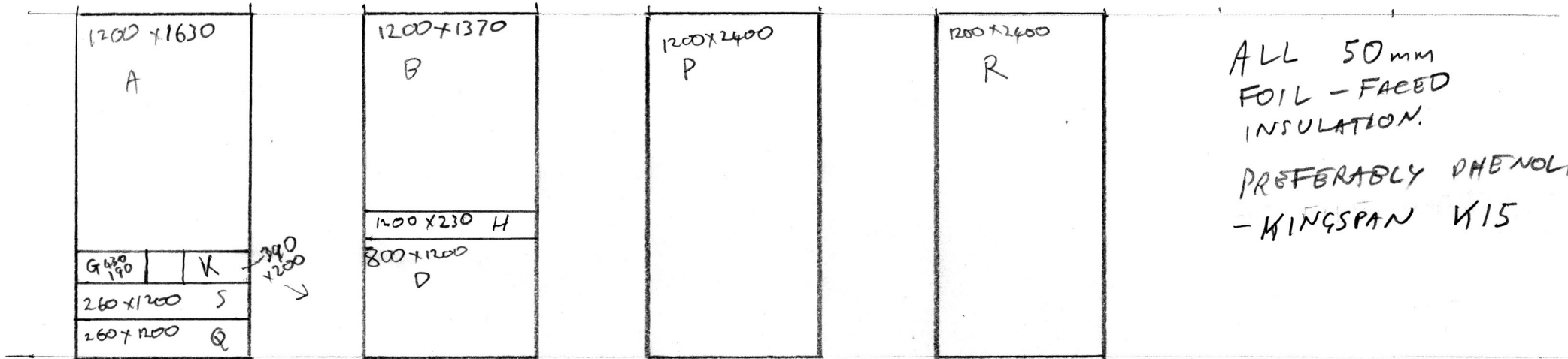
14 BOARDS, 13 GAPS
 → THIS EDGE WILL MOVE RIGHT BY ~60mm SO 2600 → GAP 38mm
 OR 15 BOARDS, 14 GAPS → 25mm

10 BOARDS, 11 GAPS
 → GAP 38mm
 OR 11 BOARDS, 11 GAPS → 25mm

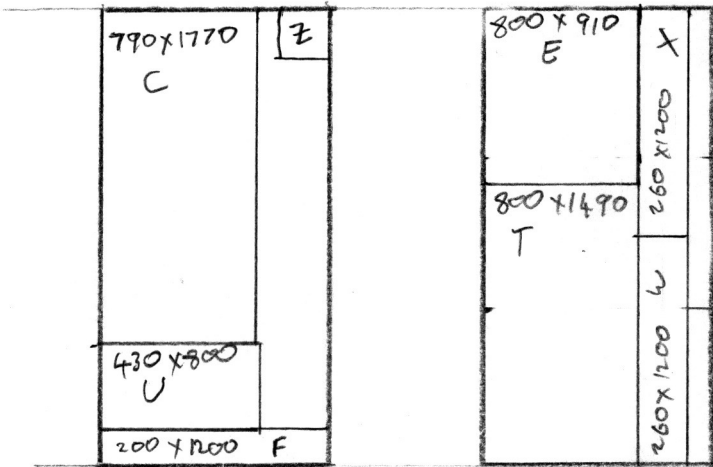
FROM BOTTOM OF BOARDS TO UNDERSIDE OF PLASTIC CILL

INSULATION BOARD CUTTING PLAN

VERIFY DIMENSIONS AND ADAPT ON-SITE

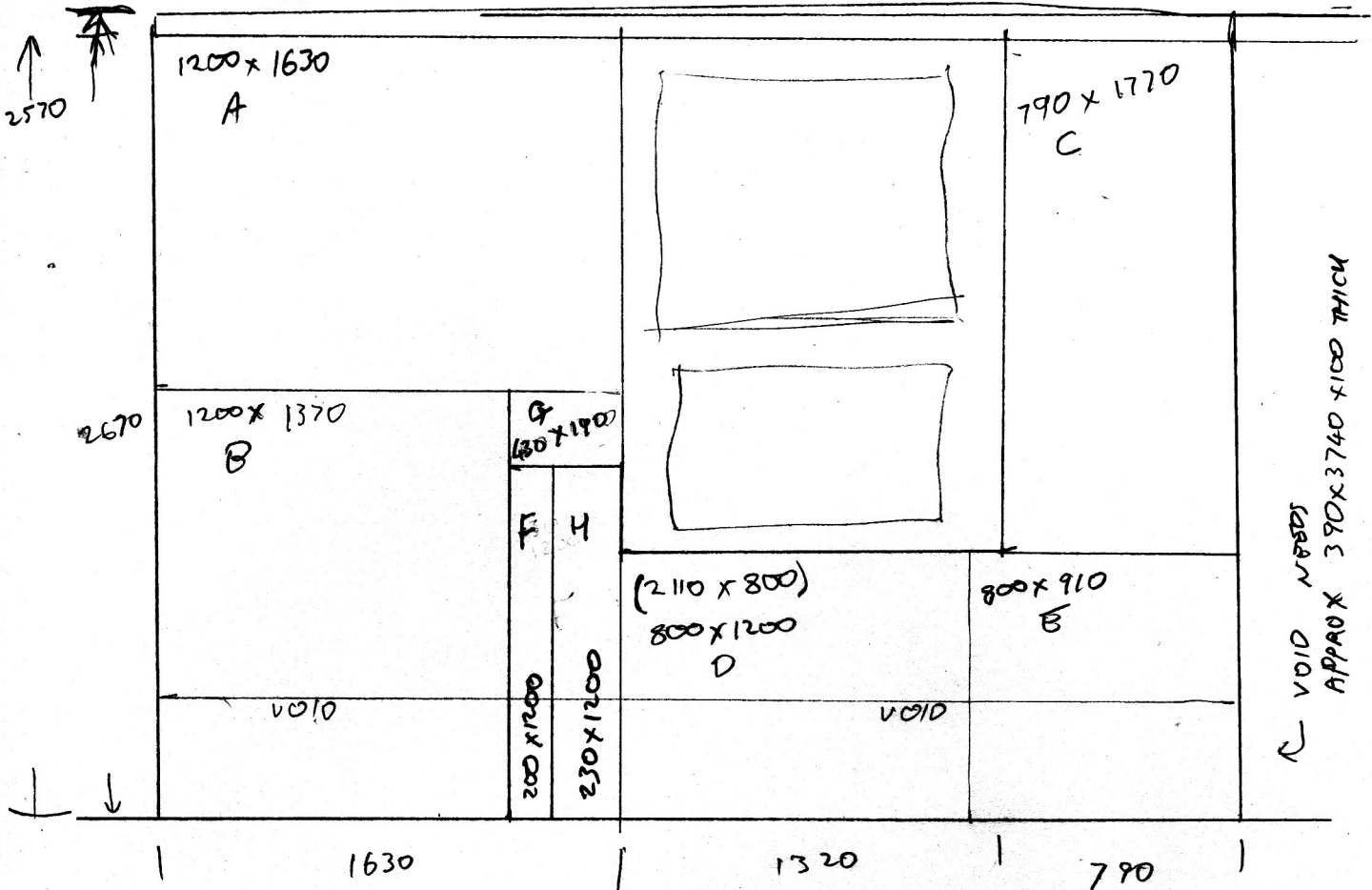


ALL 50mm
FOIL-FACED
INSULATION.
PREFERABLY PHENOLIC
- KINGSPAN K15



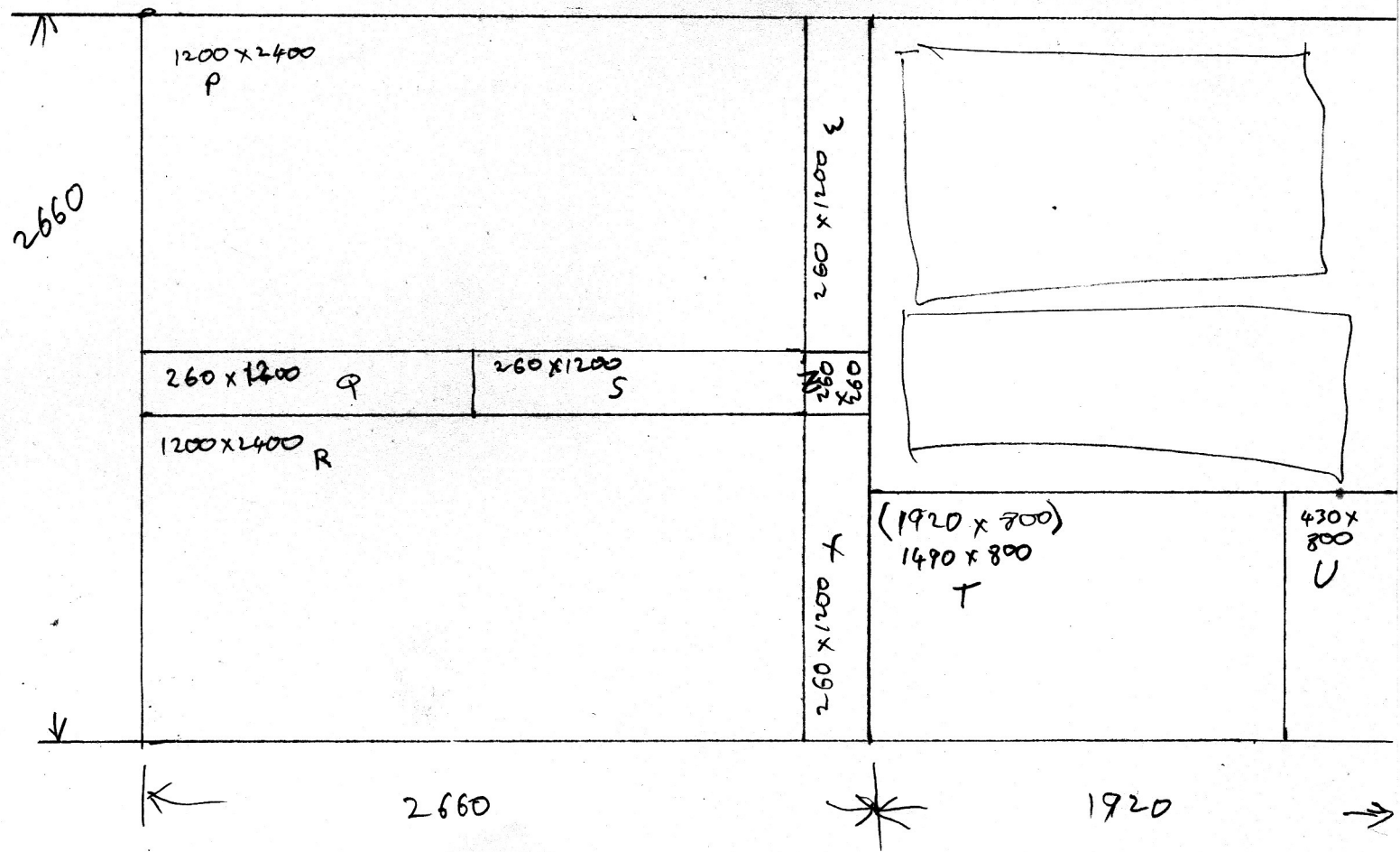
INSULATION BOARD 319SAW
 - ADAPT ON-SITE

THIS WINDOW IS NARROWER
 ON SOME HOUSES.



VOID NEEDS APPROX 390 X 3740 X 100 THICK

SOME HOUSES ARE MIRROR-IMAGE

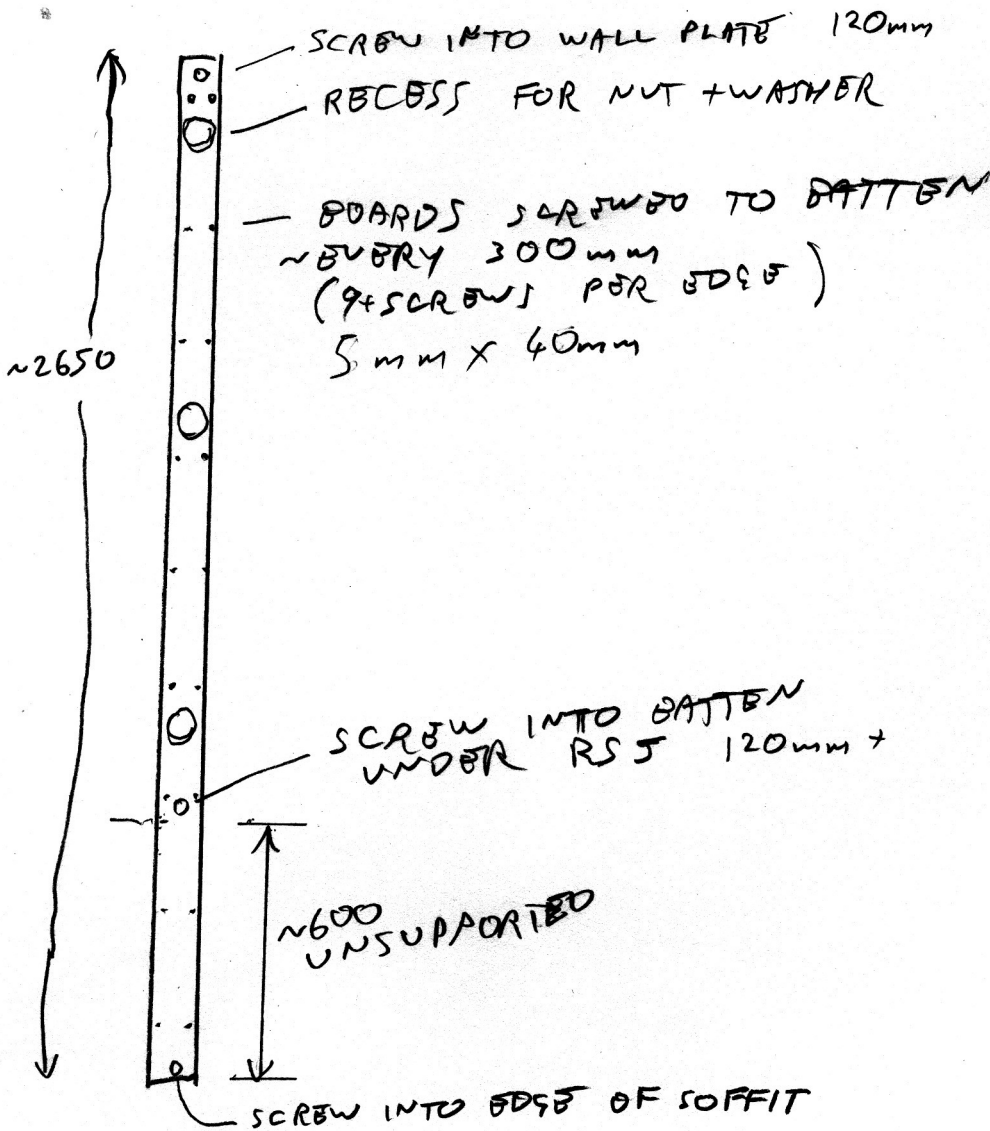


BATTENS

13 OFF FULL HEIGHT (APPROX 2650mm)
 ~ 8 OFF SHORT (APPROX 900)

CEMENTAL DENSITY $\sim 1600 \text{ kg/m}^3$ SO $\sim 20 \text{ kg/m}^2$
 WOOD DENSITY $\sim 500 \text{ kg/m}^3$ SO $\sim 9 \text{ kg/m}^2$ AS USED

FULL HEIGHT BATTEN MUST CARRY $\sim 40 \text{ kg} - 45 \text{ kg}$
 IF 3 BOLTS, $\sim 15 \text{ kg}$ SHEAR/BEND ON EACH.
 $\rightarrow 150 \text{ N}$



~ 55 BOLTS
 FOR BATTENS
 + 7 FOR CILLS

6MPa

RAWLPLUS DATA FOR M8 ROD IN AGGREGATED CONCRETE BLOCK WITH R-HEM-II RESIN GIVES DESIGN LOAD 750N TENSION / 750N SHEAR.

BATTEN IS WEATHER? NO: CROSS-GRAIN TENSILE STRENGTH OF PINE IS $\sim 3 \text{ MPa}$. COMPRESSIVE STRENGTH MAY BE $\sim 15 \text{ MPa}$.
 THUS OUR BR WASHER MAY EXERT UP TO $\sim 5000 \text{ N}$!

INSULATION FOR VOID ABOVE WINDOW

VOID APPROX 235 DEEP
390 HIGH
3600 LONG

USE 5 LAYERS OF 50mm CAVITY WALL SLAB
BY ISOVER CWS 36 1200x455x50

- 3 SLABS END-END

ASSUME 1 SLAB HIGH, SO USES 1.64m^2 PER LAYER

→ 8.2m^2

PANEL HAS 10.92m^2

USE REMAINDER TO INSULATE FACE OF RSJ