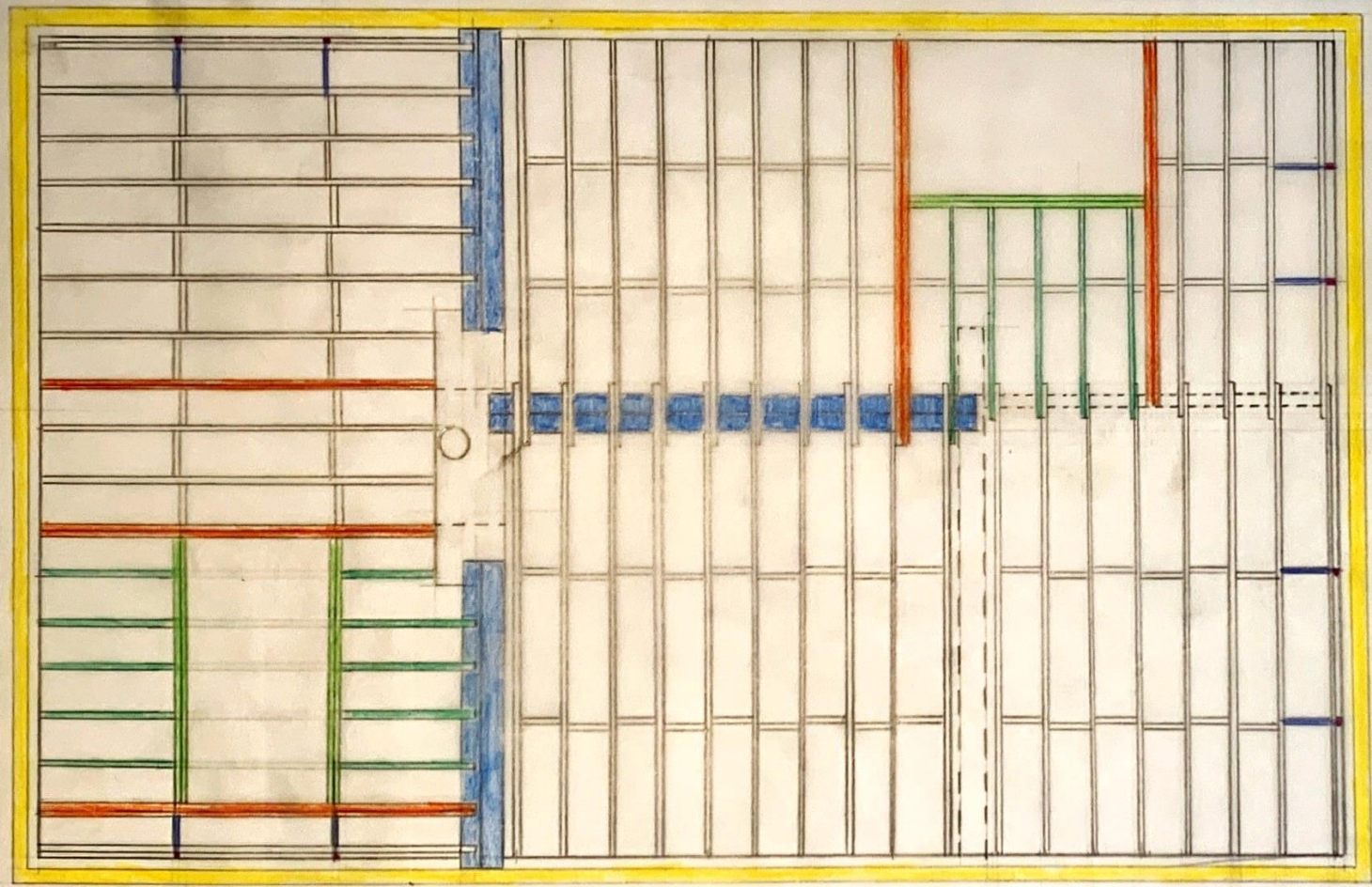


A

B STABILITY IN FLOOR
 SOLID BRIDGING MAX 1350 CENTRES
 FOLDING WEDGES WHERE BRIDGING
 MEETS EXTERNAL WALL
 STRAPPING AT BRIDGING WHERE JOISTS
 ARE PARALLEL TO WALL

STAIRS
 THREADS : 16 / 250MM
 RISERS : 16 / 185 MM

C

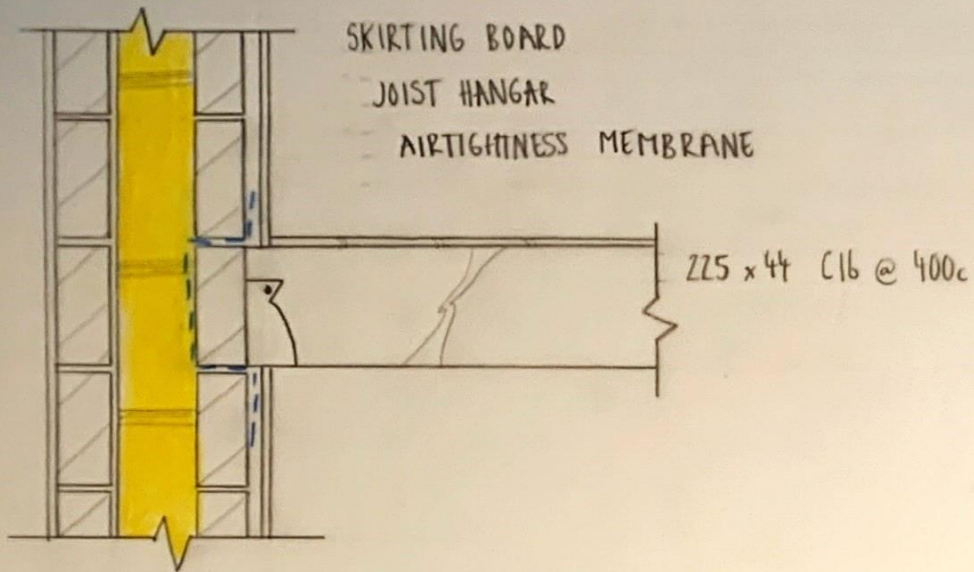


LEGEND:
 TRIMMER ■
 TRIMMING ■
 TRIMMED ■
 BEAM ■
 STRAPPING ■
 FOLDING WEDGES ■

FIRST FLOOR STRUCTURAL ANALYSIS - SCALE 1:50

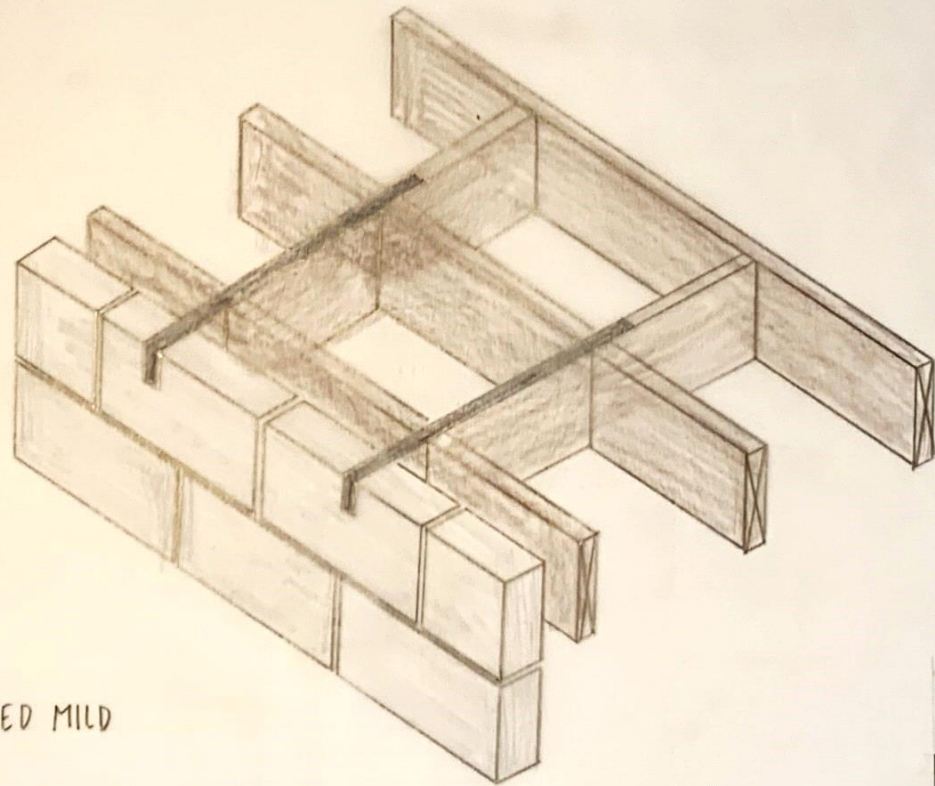
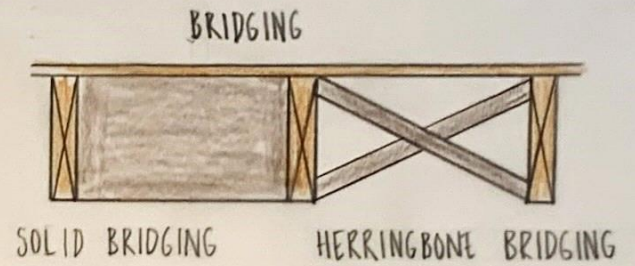
FLOOR JOISTS
 C16 44 x 220 @ 400 CENTRES
 MAX CLEAR SPAN : 4480
 ALL JOISTS FIXED TO EXTERNAL WALLS WITH
 JOIST HANGARS

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JUNCTION OF WALL AND JOIST

WALL BUILD UP: 18 EXTERNAL RENDER,
100 EXTERNAL LEAF, 150 INSULATION,
100 INTERNAL LEAF, 25 SERVICE CAVITY,
12.5 PLASTERBOARD



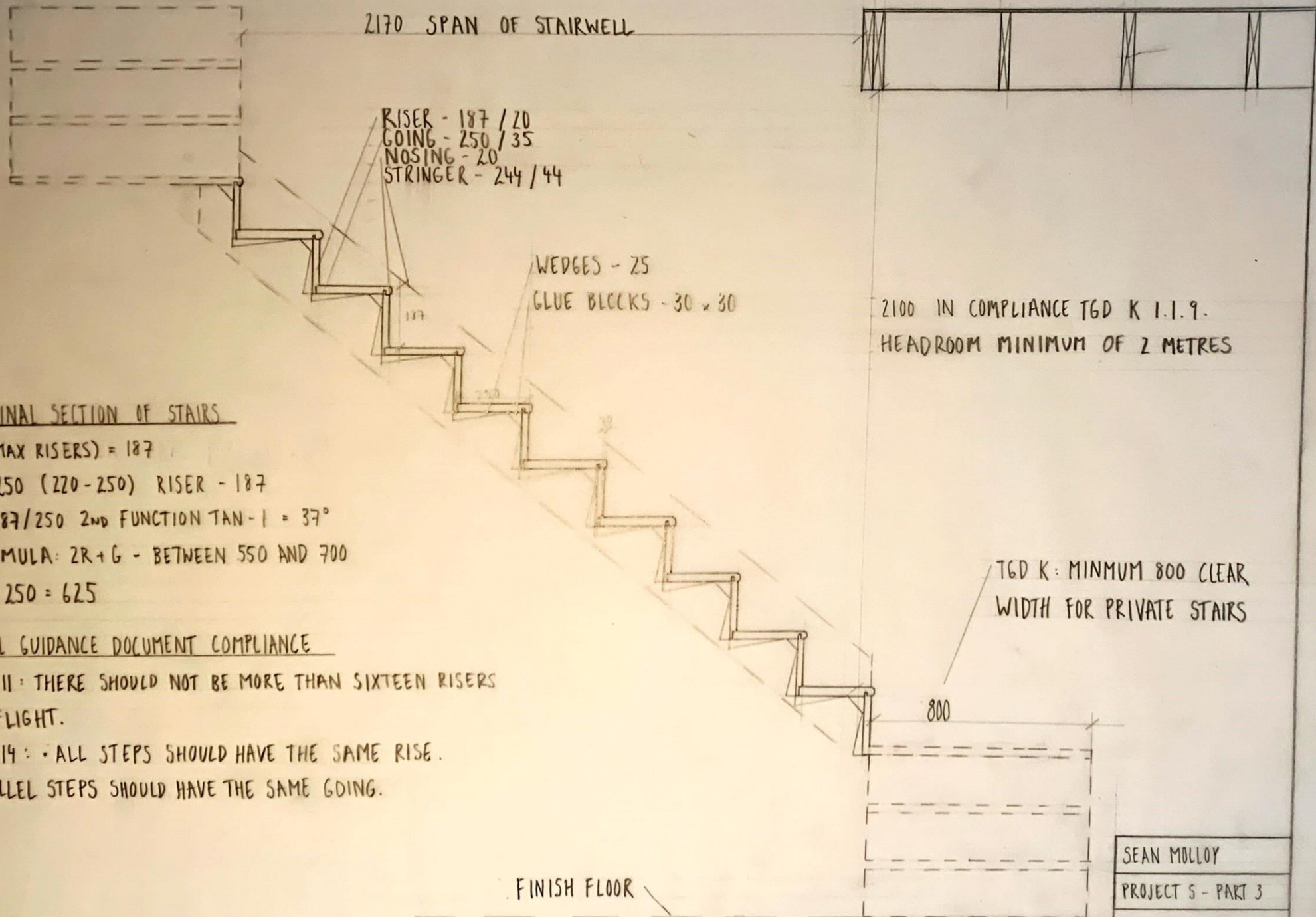
STRAPPING

30 x 5mm GALVANISED MILD
STEEL STRAPPING

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2170 SPAN OF STAIRWELL

RISER - 187 / 20
 GOING - 250 / 35
 NOSING - 20
 STRINGER - 244 / 44

WEDGES - 25
 GLUE BLOCKS - 30 x 30

2100 IN COMPLIANCE TGD K 1.1.9.
 HEADROOM MINIMUM OF 2 METRES

TGD K: MINIMUM 800 CLEAR
 WIDTH FOR PRIVATE STAIRS

LONGITUDINAL SECTION OF STAIRS

$3000 / 16$ (MAX RISERS) = 187

GOING - 250 (220-250) RISER - 187

PITCH - 187/250 2ND FUNCTION $\tan^{-1} = 37^\circ$

GAIT FORMULA: $2R + G$ - BETWEEN 550 AND 700

$2(187) + 250 = 625$

TECHNICAL GUIDANCE DOCUMENT COMPLIANCE

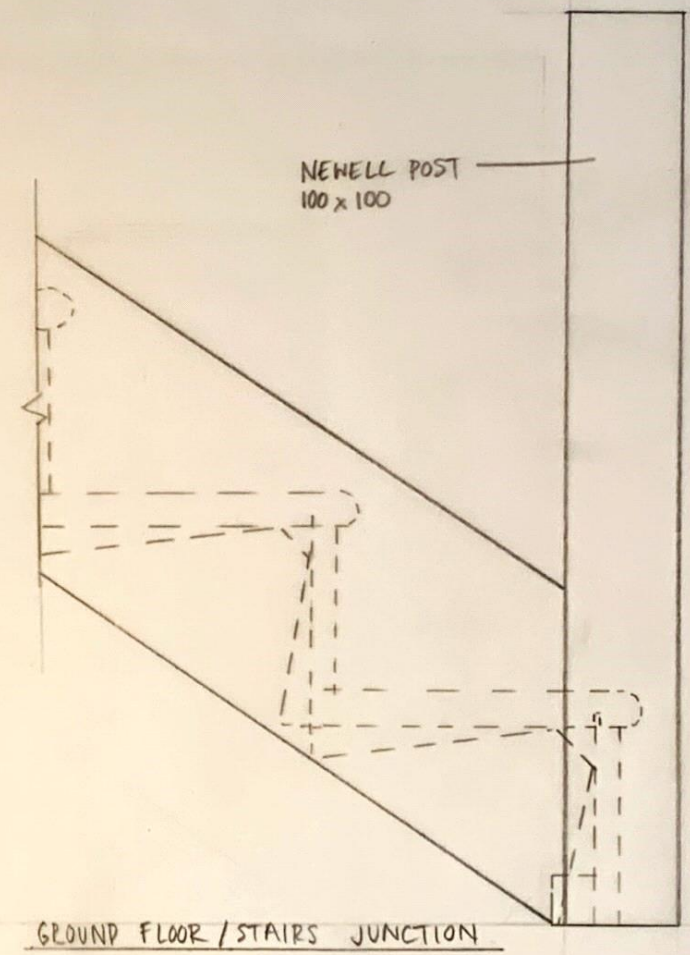
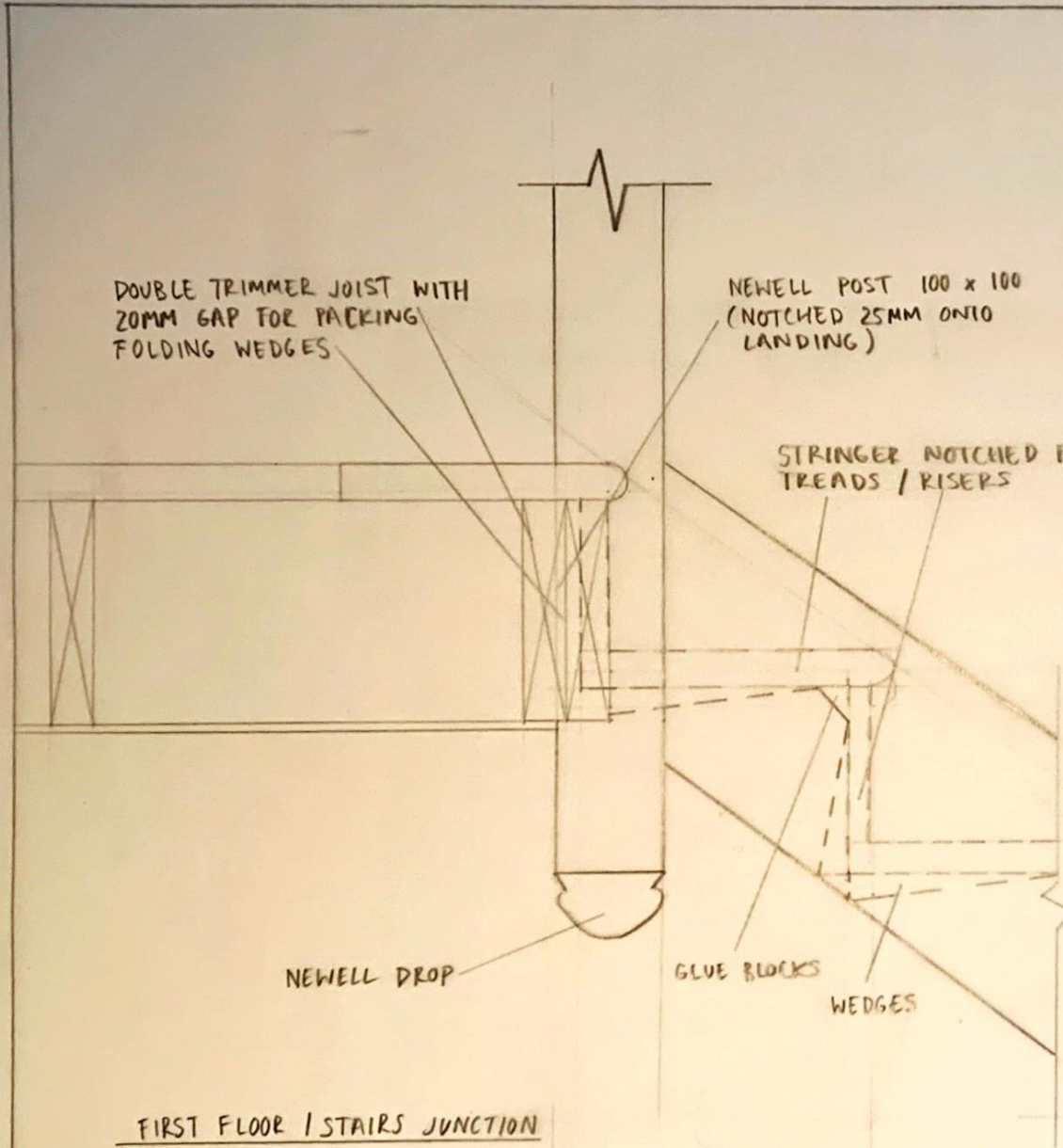
TGD K 1.1.11: THERE SHOULD NOT BE MORE THAN SIXTEEN RISERS
 IN ANY FLIGHT.

TGD K 1.1.14: - ALL STEPS SHOULD HAVE THE SAME RISE.

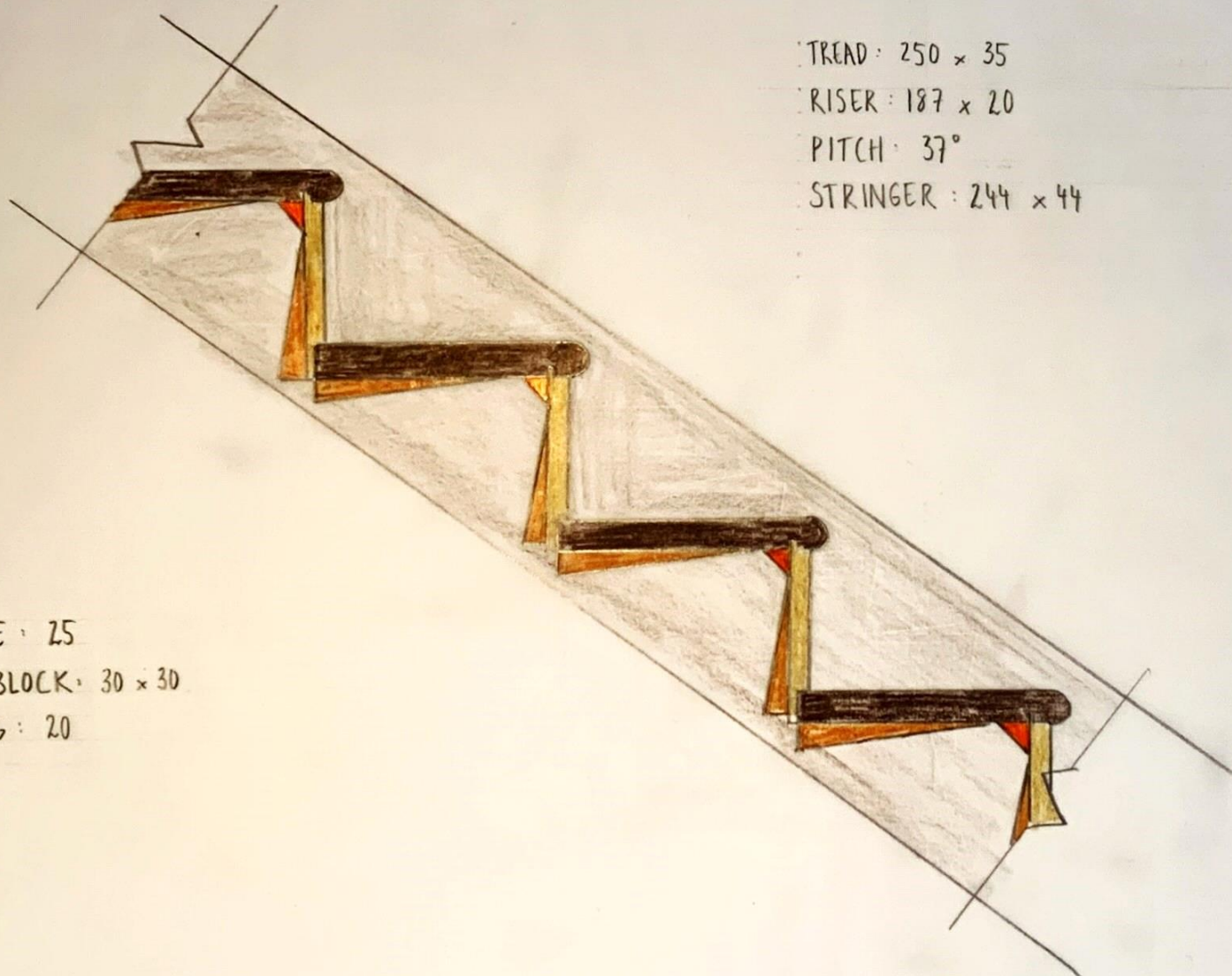
- ALL PARALLEL STEPS SHOULD HAVE THE SAME GOING.

FINISH FLOOR

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TREAD : 250 x 35
RISER : 187 x 20
PITCH : 37°
STRINGER : 244 x 44

WEDGE : 25
GLUE BLOCK : 30 x 30
NOSING : 20

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