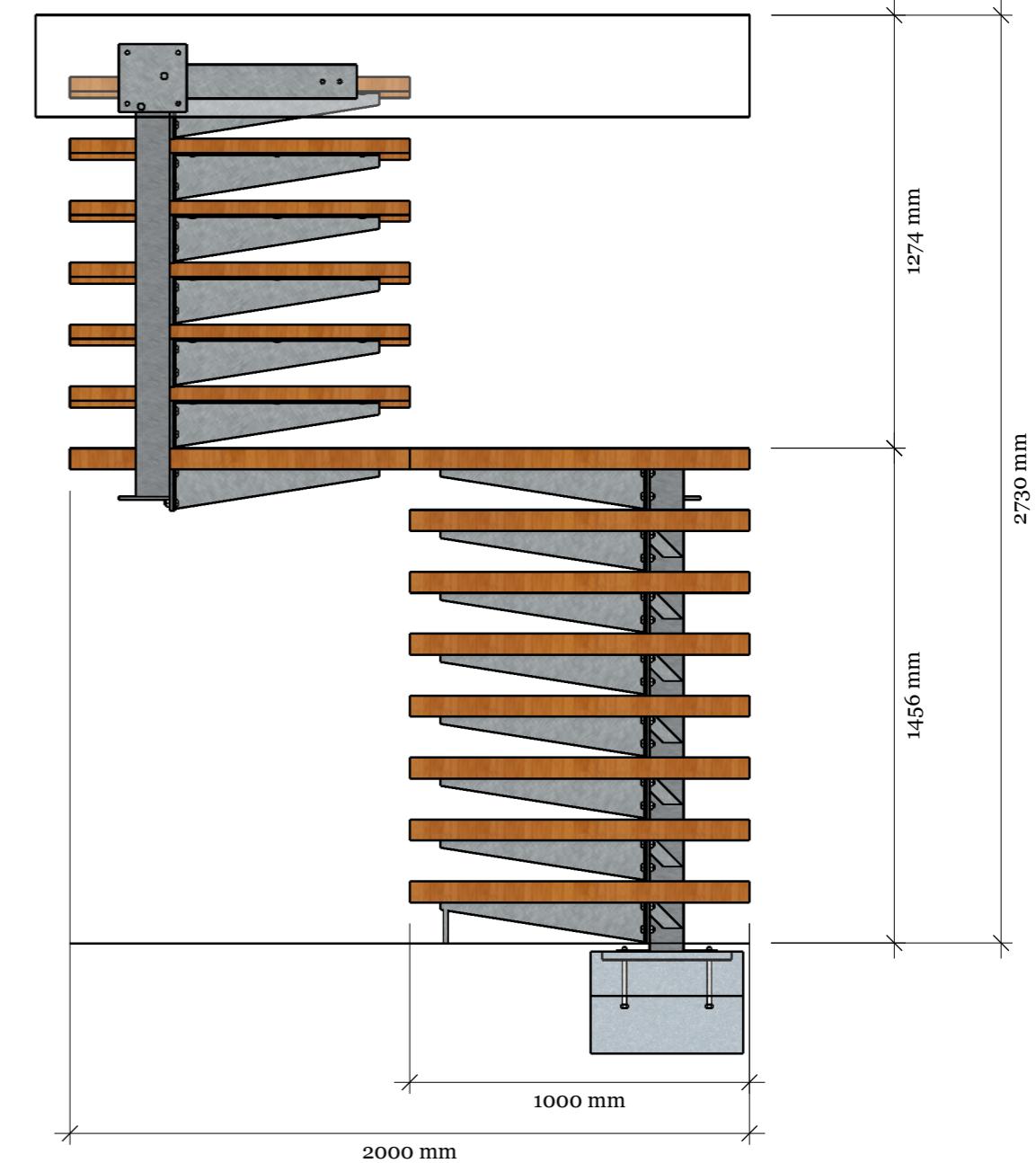
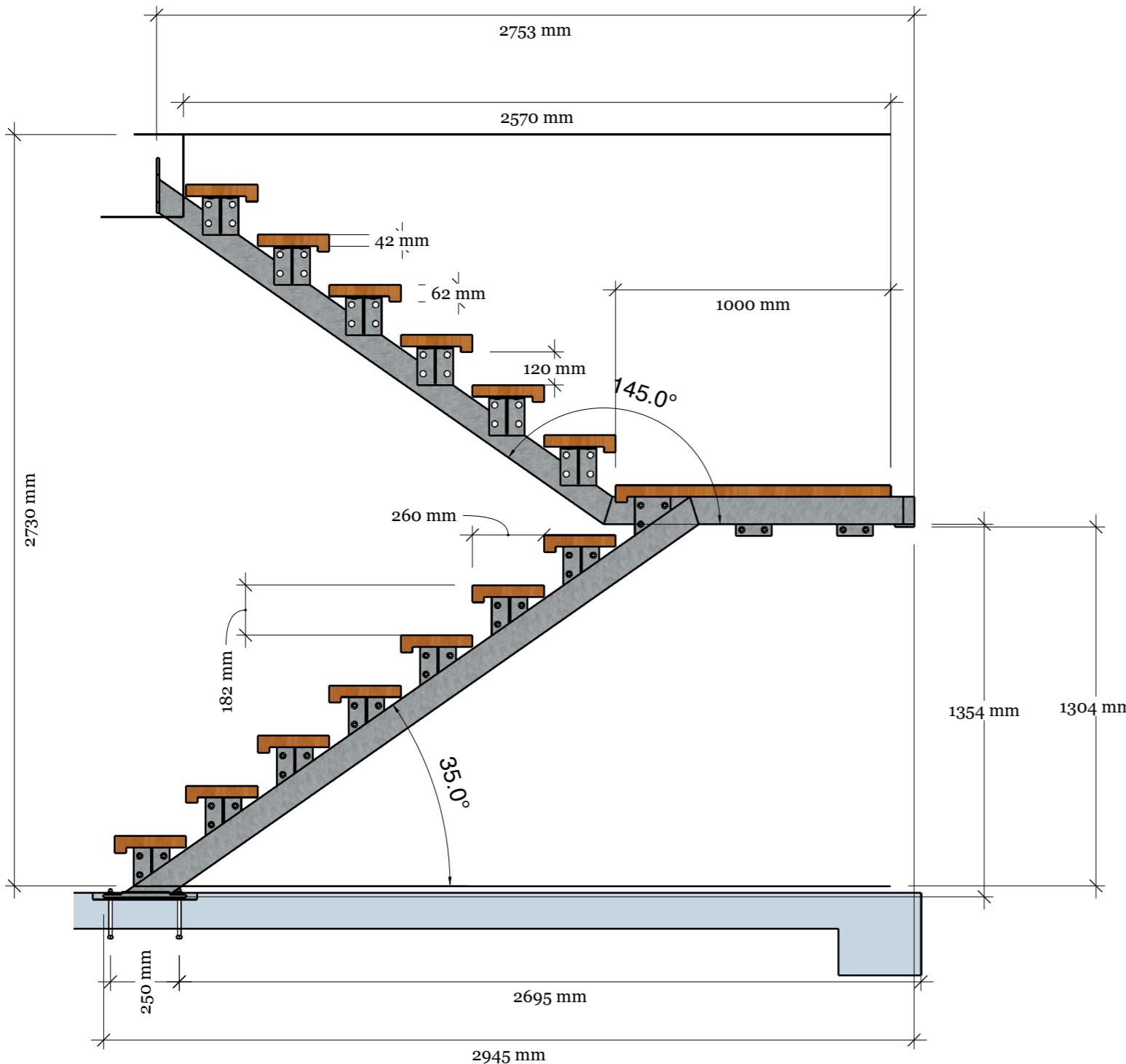




PINNACLE STAIRCASE



October 9, 2018



STAIR OVERVIEW

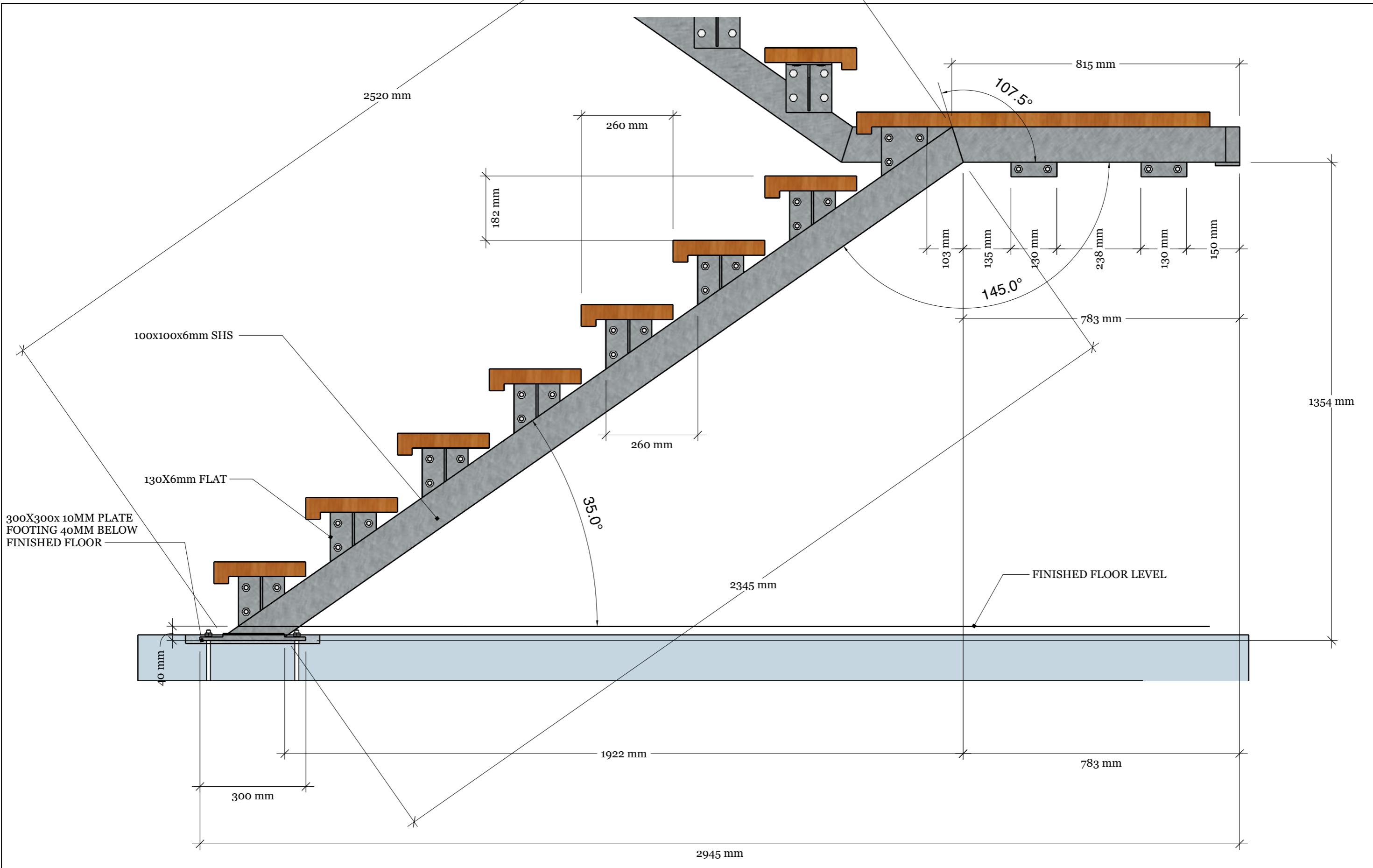


PINNACLE STAIRCASE, MARTIN ROBERTS

REVISIONS

	MM/DD/YY	REMARKS
1	__ / __ / __	...
2	__ / __ / __	...
3	__ / __ / __	...
4	__ / __ / __	...
5	__ / __ / __	...

A | O1



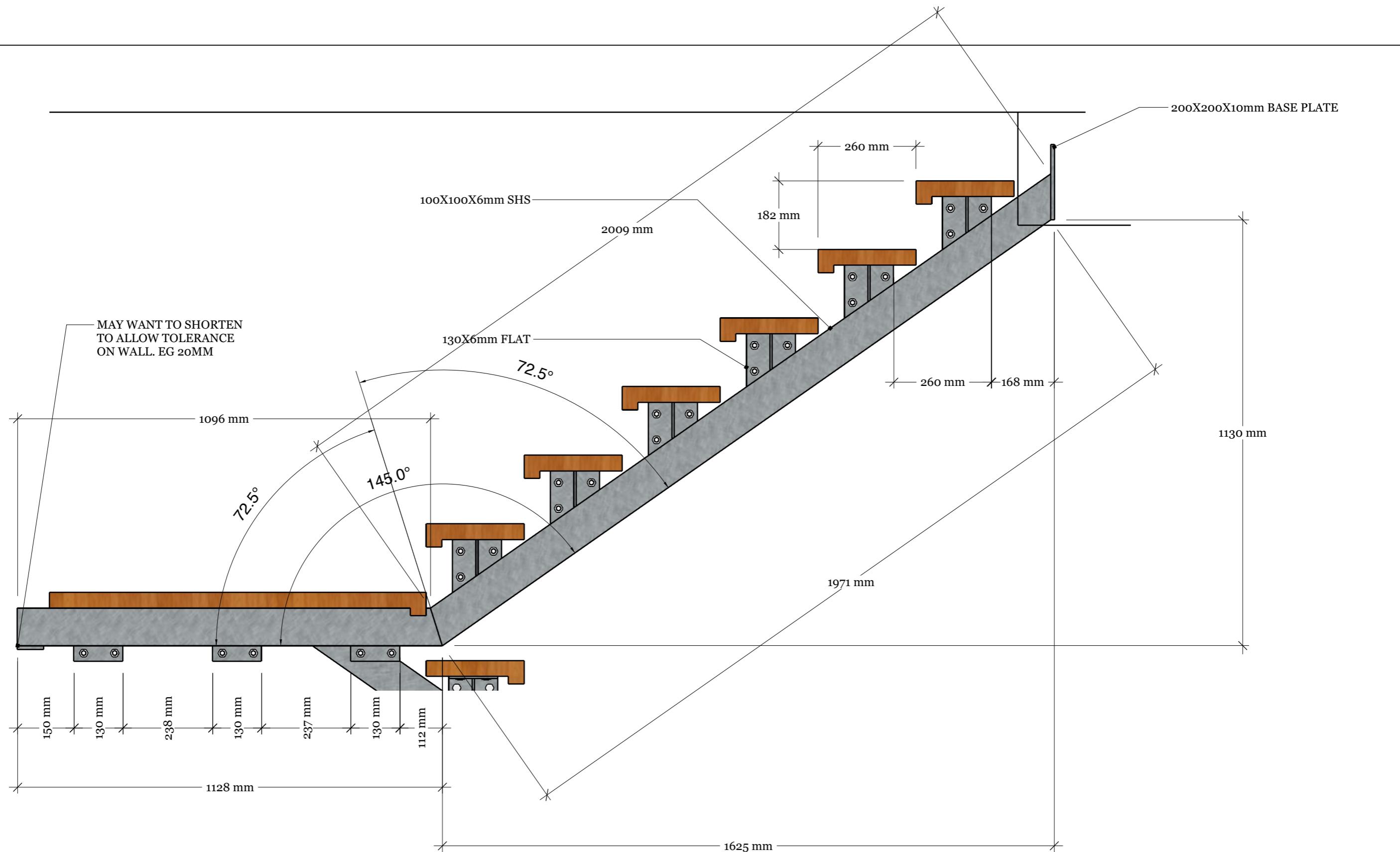
LOWER STRINGER



PINNACLE STAIRCASE, MARTIN ROBERTS

REVISIONS		
	MM/DD/YY	REMARKS
1	__ / __ / __	...
2	__ / __ / __	...
3	__ / __ / __	...
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02



UPPER STRINGER

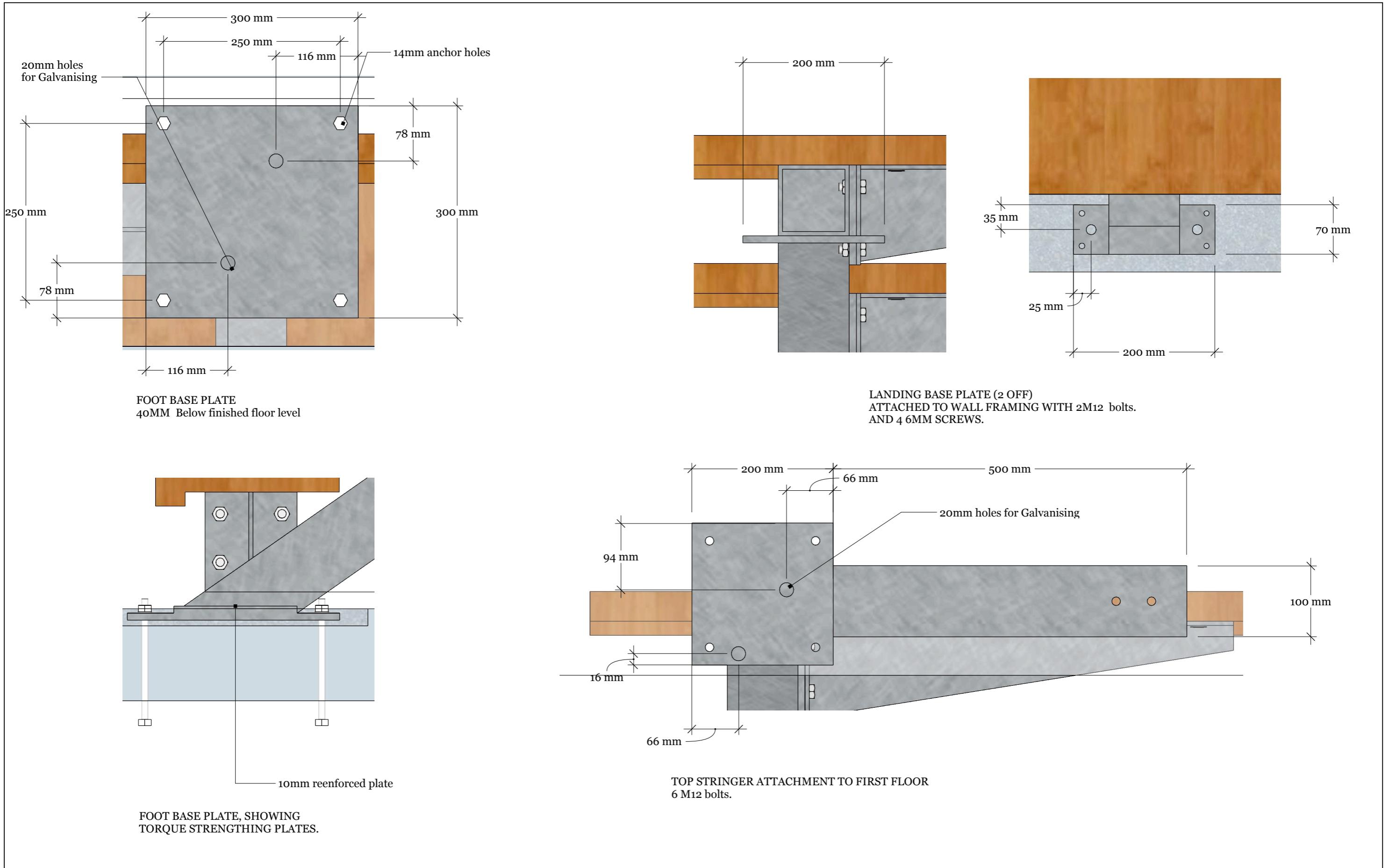


PINNACLE STAIRCASE, MARTIN ROBERTS

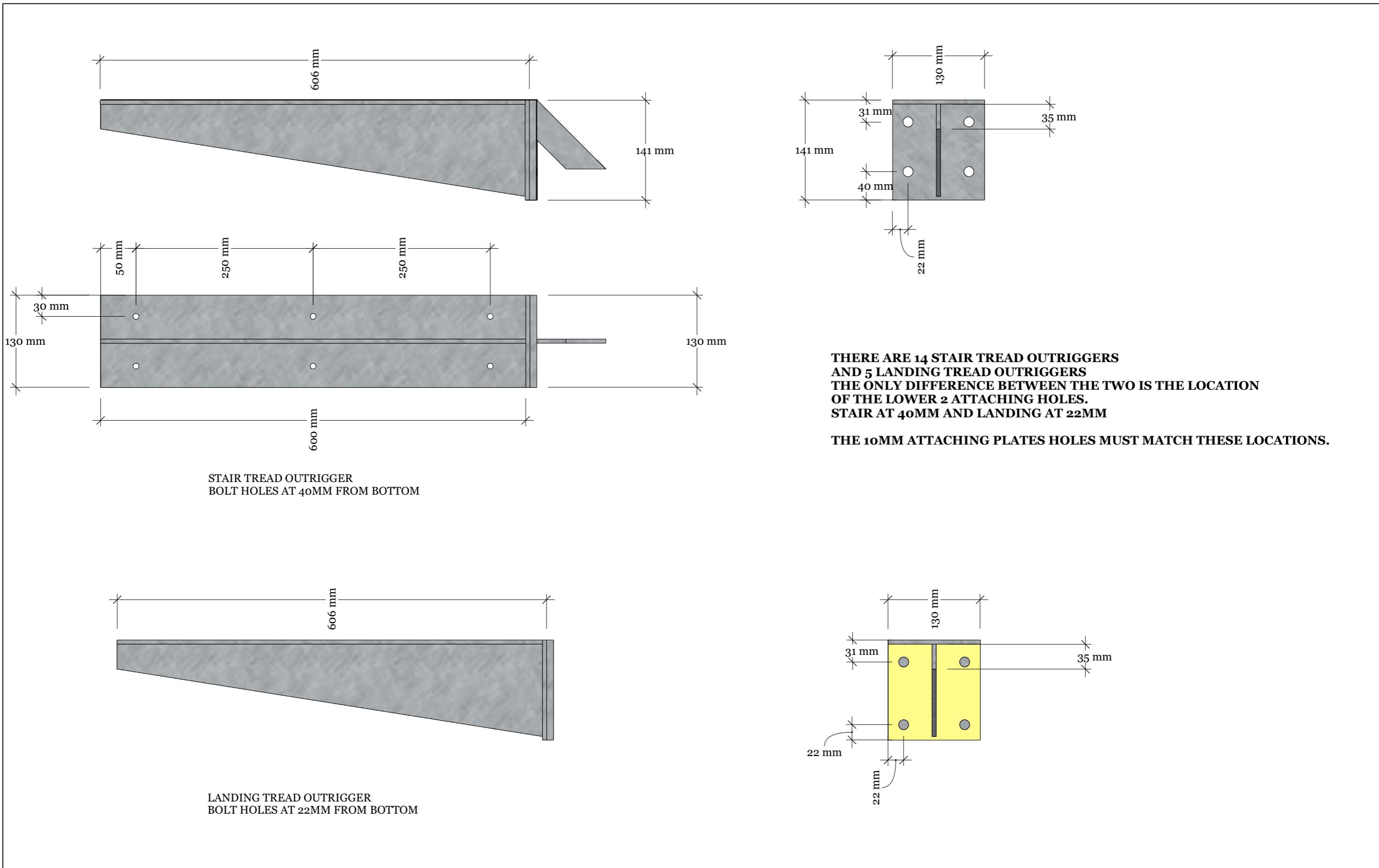
REVISIONS

	MM/DD/YY	REMARKS
1	__ / __ / __	...
2	__ / __ / __	...
3	__ / __ / __	...
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A | O3



BASE PLATES	PINNACLE STAIRCASE, MARTIN ROBERTS	REVISIONS	
		MM/DD/YY	REMARKS
1	__ / __ / __	...	
2	__ / __ / __	...	
3	__ / __ / __	...	
4	__ / __ / __	...	
5	__ / __ / __	...	



STAIR AND LANDING OUTRIGGERS		M & M PINNACLE STAIRCASE, MARTIN ROBERTS	REVISIONS	
MM/DD/YY	REMARKS			
1	...			
2	...			
3	...			
4	...			
5	...			

Build staircase (don't galvanise) with old timber lintels or floor joists as stair treads during construction. This will allow testing of the staircase before final galvanising. Make any final adjustments after lock up and then final galvanising.

Construct one steel outrigger and timber tread. Then weld 1 bracket to the middle of a stringer and test the twisting of the tread before final design.
Tack landing base plates, to allow to easily cut off an adjust stringer length.

There are 13 TIMBER treads (260x1000x42mm) and one landing 1000x2000x42mm).

There are 5 outriggers for the landing (with one tread outrigger). The brackets are also different.
There is 14 tread outriggers (one used for landing)

Use 8.8 12mm bolts to attach the outrigger to the stringer.

20mm holes must be drilled in the baseplate to allow for galvanising.

One of the holes for each bracket must be tapped in the stringer as you cannot access the nut. Two holes must be tapped for the outriggers for the landing.

42mm timber treads to be attached with 20mm lips to make the 125mm compliance.

Code requires each tread to be within 5mm of the surrounding treads and a maximum of 10mm over the entire staircase.

Stringer 100 x 100 x 6mm SHS. THIS COULD ALSO BE 100X100 X 9MM,
Outriggers 130x130 x 6mm flat bar.

Outrigger attachment plates 10mm thick, 130x130.

Base plates 200x200x10mm for landing, 250x250 x10 for base and 200x200x10 for top, with 130x6mm torsion arm.

There is an adjustable bolt on the bottom tread for torque reaction.

INSTRUCTIONS



PINNACLE STAIRCASE, MARTIN ROBERTS

REVISIONS

MM/DD/YY	REMARKS

Stair Cut List							
					3	1	
Stair Outrigger Cut List	Profile	Cost	Mass (KG)	Length	Number	Total	
Top Plate	130x6mm FLAT	\$ 14.00	6.28	600	19	11.4 \$ 159.60	
Web (PROFILE CUT)	130x6mm FLAT	\$ 14.00	6.28	600	19	11.4 \$ 159.60	
Bolt Plate	130x6mm FLAT	\$ 14.00	6.28	141	19	2.679 \$ 37.51	
Stringer Attachment plate	130x10mm FLAT	\$ 23.00	10.46	141	19	2.679 \$ 61.62	
Corner Brace	40x6mm FLAT	\$ 5.00	1.93	132	13	1.716 \$ 8.58	
BASE PLATE	200X200X10MM	\$ 15.00	3.00	1000	3	3 \$ 45.00	
BASE PLATE	250X250X10MM	\$ 23.00	5.00	1000	1	1 \$ 23.00	
Torque Arm	130x6mm FLAT	\$ 14.00	6.28	500	1	0.5 \$ 7.00	
Stringer bottom	100x100x6mm SHS	\$ 45.00	16.70	2511	1	2.511 \$ 113.00	OR 100X100X9MM IS \$60 AND 23.5KG
Stringer Landing	100x100x6mm SHS	\$ 45.00	16.70	778	1	0.778 \$ 35.01	
Stringer Landing	100x100x6mm SHS	\$ 45.00	16.70	1083	1	1.083 \$ 48.74	
Stringer Top	100x100x6mm SHS	\$ 45.00	16.70	2008	1	2.008 \$ 90.36	
						\$ 789.00	
	130x6mm FLAT	\$ 14.00	6.28		25.479	6M	5 LENGTHS
	130x10mm FLAT	\$ 23.00	10.46		2.679	6M	3 M ONLY
	40x6mm FLAT	\$ 5.00	1.93		1.716	6M	3 M ONLY
	100x100x6mm SHS	\$ 45.00	16.70		6.38	8M	1 LENGTH CUT IN HALF

CUT LIST	M & M	REVISIONS	
		MM/DD/YY	REMARKS
		1	... / ... / ...
		2	... / ... / ...
		3	... / ... / ...
		4	... / ... / ...
		5	... / ... / ...

PINNACLE STAIRCASE, MARTIN ROBERTS