

INSTALLATION DRAWINGS

INARI 70









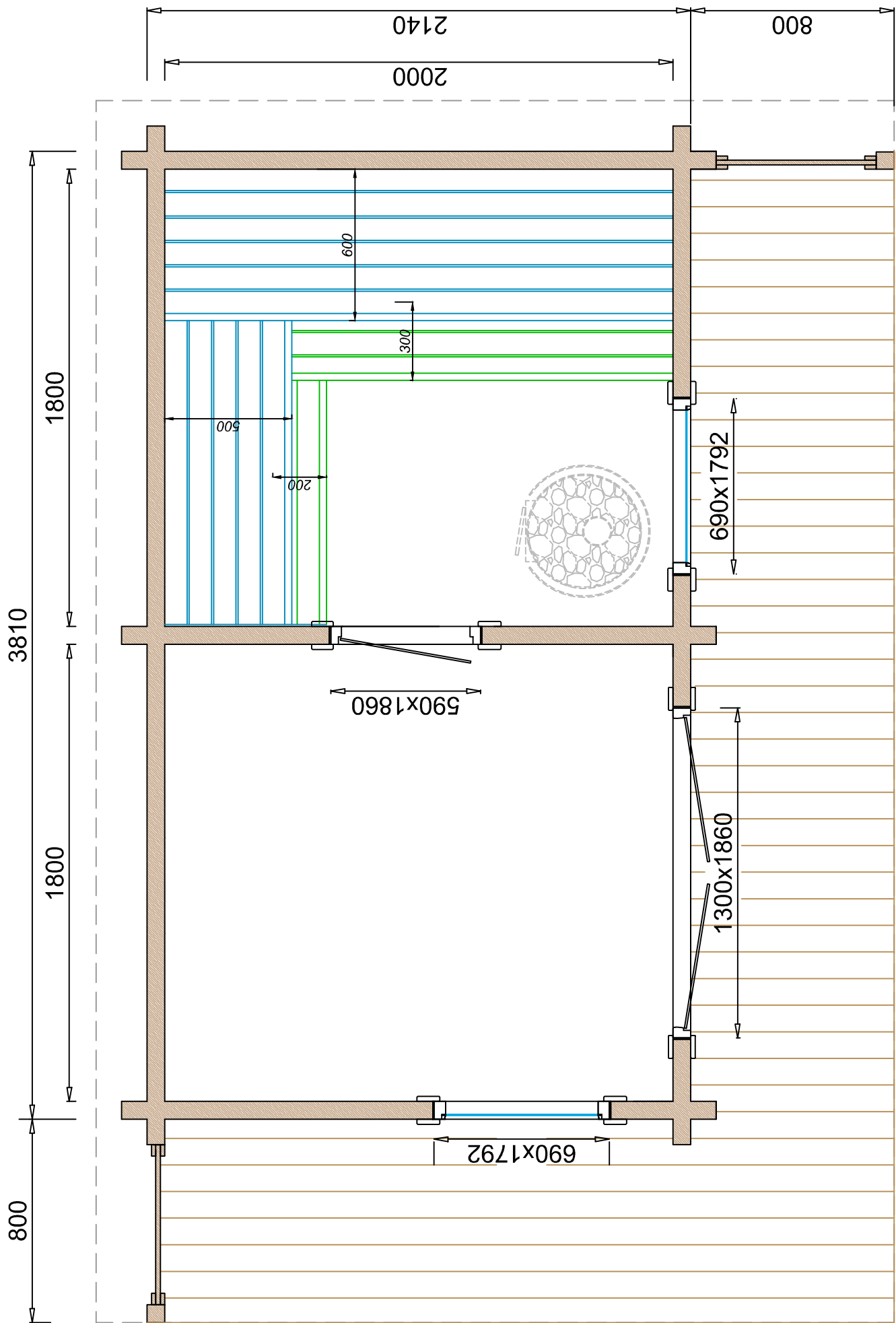
marking			length	pcs	
	WALL LOG 40x146				
SR-01	70x145 ROOF RAFTER		3145	5	
P-1	90x90 POST		2184	1	
P-2	90x90 POST		2116	1	
	HAMMER BLOCK 70 MM			2	
AR-1	45x95 FLOOR FRAME		4495	9	
AR-2	45x95 FLOOR FRAME		3670	1	
AR-3	45x95 FLOOR FRAME		2695	1	
AR-4	45x95 FLOOR FRAME		2915	1	
AR-4B	45x95 FLOOR FRAME	DRAINAGE OPENING	2915	1	
AR-5	45x 70 FLOOR FRAME		1800	1	
AR-6	45x95 FLOOR FRAME		455	4	
PL-1	24x120 FLOOR BOARD (FRONT ROOM)		1995	16+2	
PL-2	24x120 FLOOR BOARD (SAUNA ROOM)		1960	16+2	
TR-1	28x120 DECKING BOARD		2915	7+1	
TR-2	28x120 DECKING BOARD		800	30+2	
VS-1	GRID WALL 620x1990			1	
VS-2	GRID WALL 620x1920			1	
ST-1	45x123 DETAIL FOR ROOF SIDES		3140	2	
KL-1	24x120 ROOF BOARD		4810	28+2	
RL-2	45x45 FIXING SUPPORT FOR EDGE BOARD		330	18	
RL-1	18x95 ROOF EDGE BOARD	Cut to lenght	~5,1	14+2	
PP-1	15x55 FLOOR AND CEILING MOULDINGS		~2,1	8+4	
LR-1	45x45 CEILING BEAM TO SIDE WALLS		1995	2	
LR-2	15x55 DISTANCE BOARD FOR CEILING PANELLING		1995	4	
LL-1	15x55 CEILING MOULDINGS		~2,1	4	
SL-1	STP 14x121 CEILING PANELLING		1795	18+2	

U-1	DOOR 70x1400x1860 2-SIDED			1	
		18x95 DOOR MOULDING	1900	4	
		18x95 DOOR MOULDING	1520	2	
		15X55 DOOR MOULDING	1290	2	
U-2	GLASS DOOR 70x590x1860			1	
		18x95 DOOR MOULDING	1900	4	
		18x95 DOOR MOULDING	790	2	
		15X55 DOOR MOULDING	560	2	
A-1	WINDOW 70x690x1729			1	
		18x95 WINDOW MOULDING	1877	8	
		18x95 WINDOW MOULDING	900	4	
		18x95 WINDOW MOULDING	650	4	
extra	18x95 MOULDING		~2,4	2	

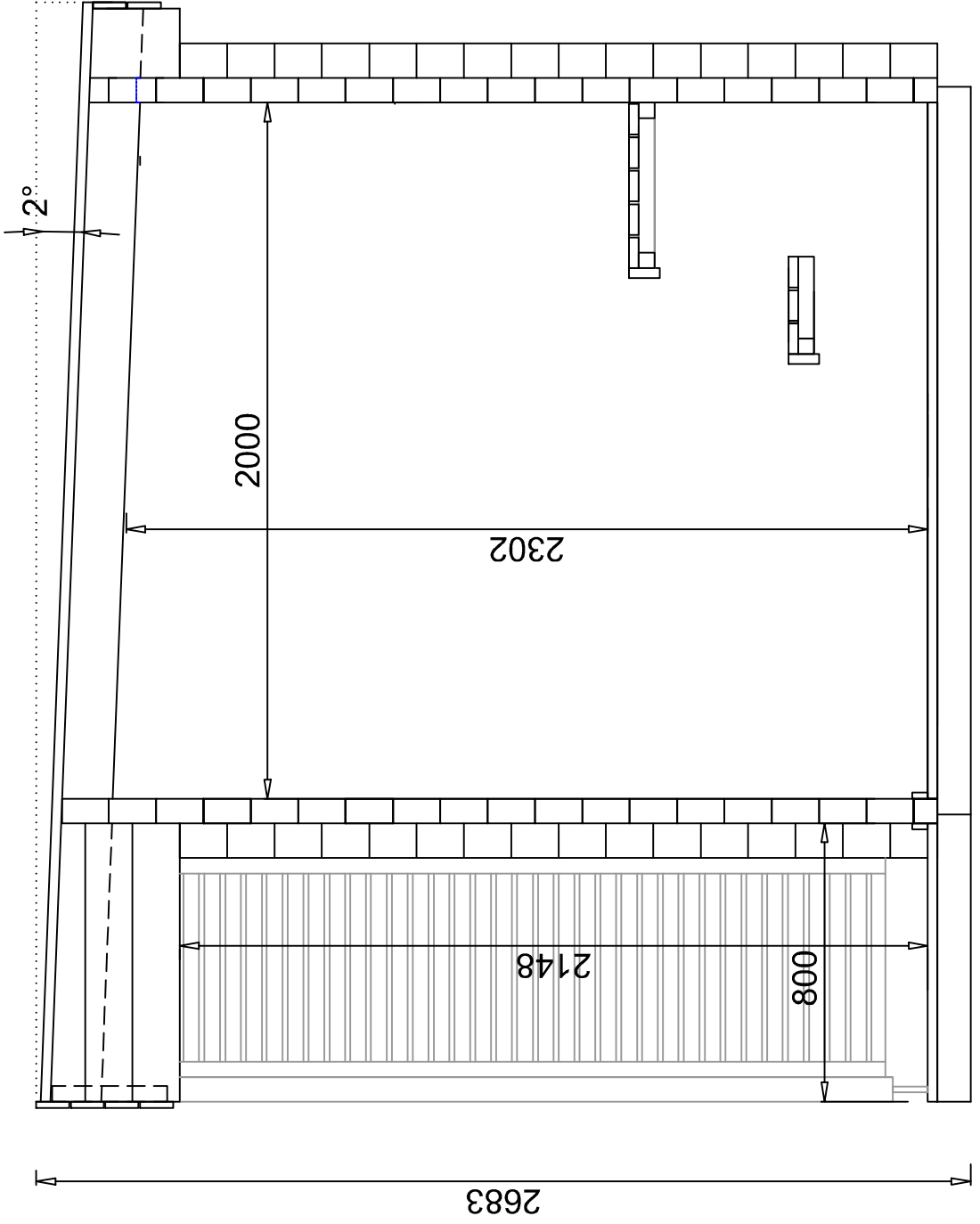
TE-1	28x30 + 28x70 FIXING FILLET T-SHAPE		1860	4	
TE-2	28x30 + 28x70 FIXING FILLET T-SHAPE		1792	4	

	BENCH MODULE 600x1992			1	
	BENCH MODULE 300x1992			1	
	BENCH MODULE 500x1196			1	
	BENCH MODULE 200x960			1	
	BENCH SUPPORT 45x45 SET			1	
	VERTICAL BENCH SUPPORT 45x45, REGULATIVE		1000	1	
RN-1	WATER DRAINAGE 1800 +	opening left		1	
	SLOPE DETAIL UNDER FLOOR BOARD 3 MM		1795	1	
	SLOPE DETAIL UNDER FLOOR BOARD 6 MM		1795	1	
	SLOPE DETAIL UNDER FLOOR BOARD 9 MM		1795	1	
	SLOPE DETAIL UNDER FLOOR BOARD 12 MM		1795	1	

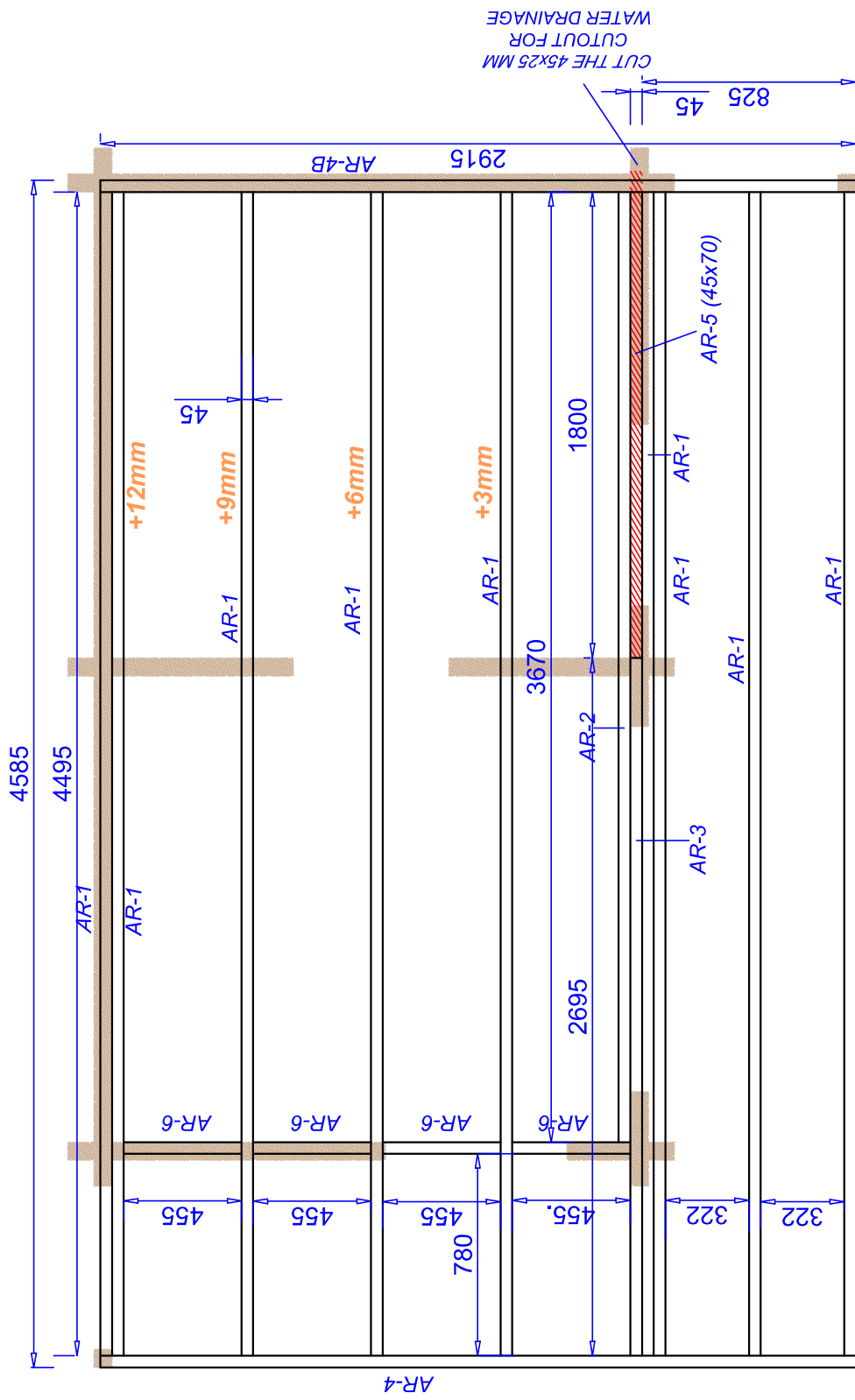
	TREADED ROD M10		2565	3	
	TREADED ROD M10		2490	3	
	DRIVE NUT FOR TREADED ROD			6	
	PLAIN WASHER FOR TREADED ROD			6	
	NUT FOR TREADED ROD			6	
	SLIDING BRACKET 35x35x130 FOR GRID WALL			6	
	WASHER M5 FOR GRID WALL			6	
	L-BRACKET 90x90 FOR FLOOR FRAME / ROOF EDGE			10	
	POST HEIGHT ADJUSTMENT			2	
	SCREW 3,5x40 FOR MOULDINGS			200	
	SCREW 5x90 FOR FLOOR FRAME			200	
	SCREW 3,5x50 FOR FLOOR BOARDS			400	
	SCREW 4,2x55 FOR DECKING BOARDS AND ROOF EDGE			400	
	SCREW 4,5x80 FOR BENCH SUPPORTS, POST,			100	
	SCREW 6x180 FOR RAFTERS AND WALL CONNECTIONS			200	
	SCREW 5x40 FOR METAL BRACKETS			50	
	NAIL 75 MM FOR ROOF BOARDS			600	
	NAIL 40 MM FOR CEILING BOARDS			200	
	VENTILATION LOUVER D100 WOOD			2	
	VENTILATION GRID D100 METAL			2	
	PIR CEILING INSULATION FOR SAUNA ROOM 30x600x1200			1	
	FOIL TAPE FOR CEILING INSULATION			1	



CROSS-SECTION

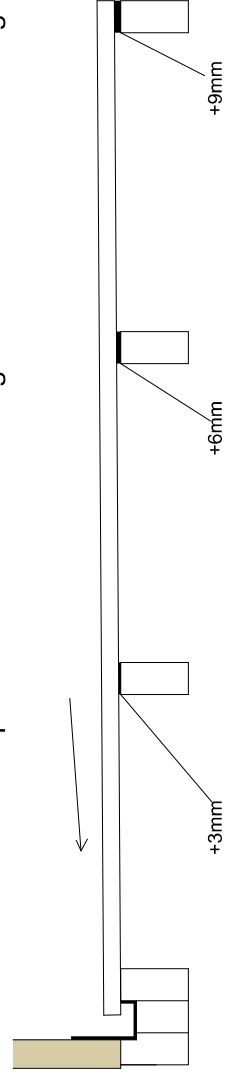


Floor Frame

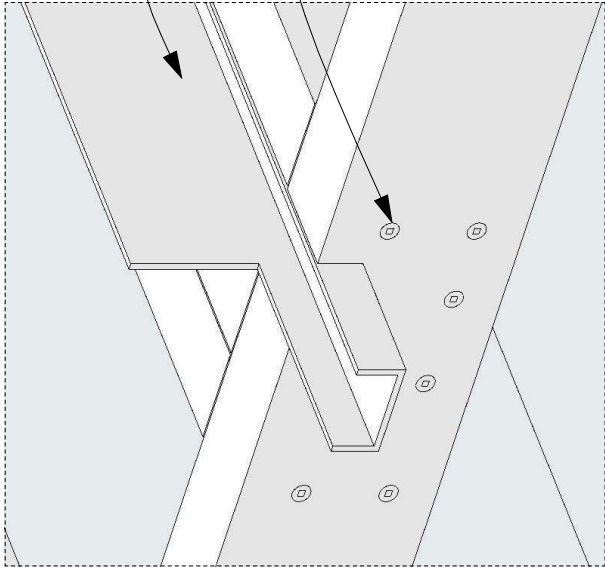
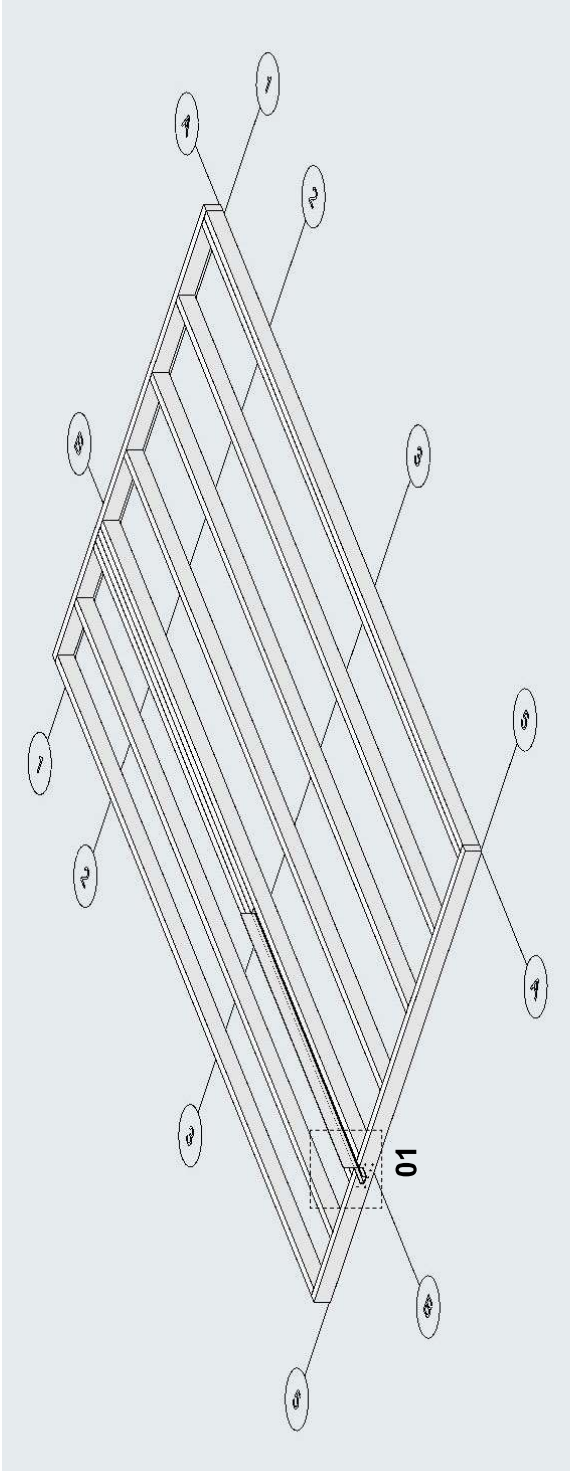


*Check that Floor Frame diagonals are the same length!

Attach slope details to floor frame to give incline for water drainage



Floor Frame



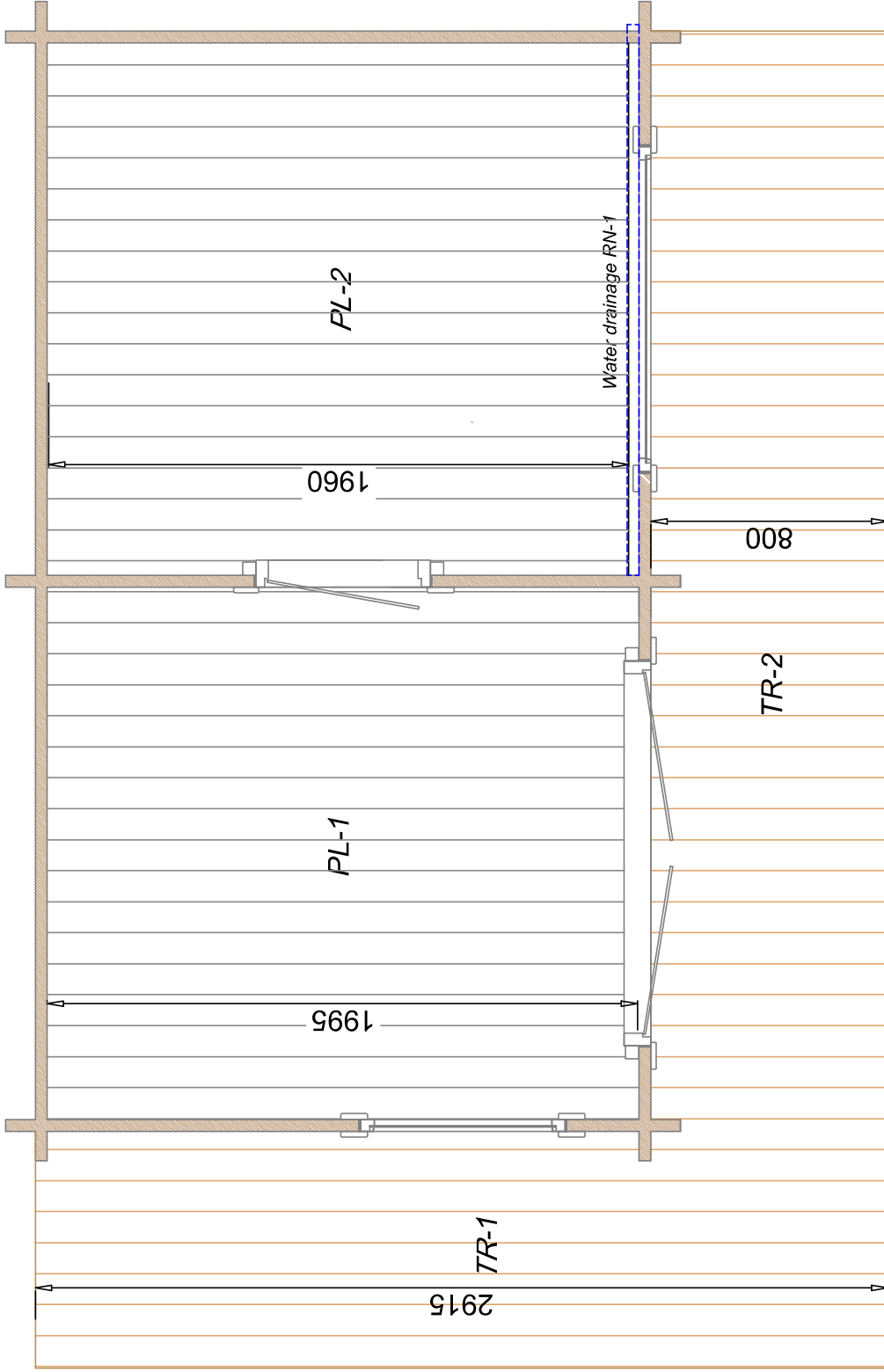
Install water drainage detail before first wall log

* Use 90mm screws



TAKE CARE! WATER DRAINAGE DETAIL HAS SHARP EDGES!

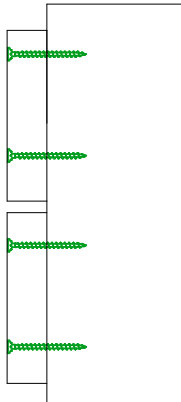
Floor- and decking boards



Install Floor boards with 50mm screws

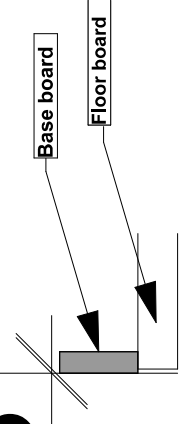


Install Decking boards with 55mm screws (leave 5mm cap)

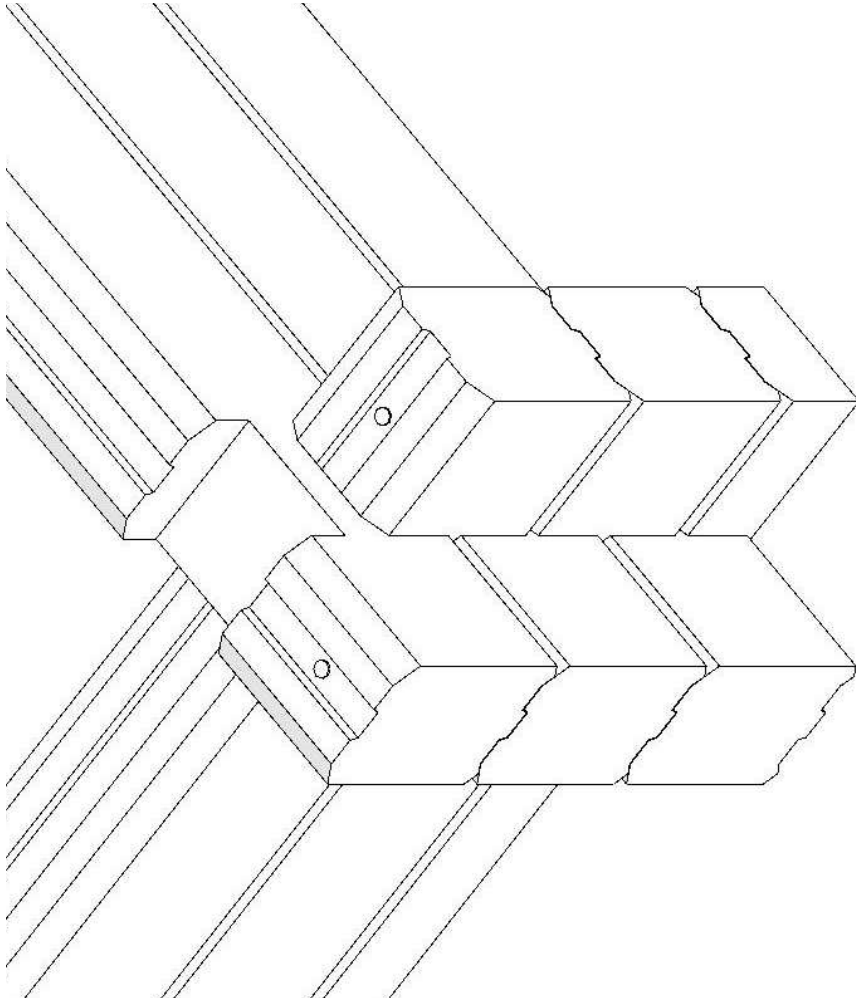


Leave 3mm gap between floor board and base board

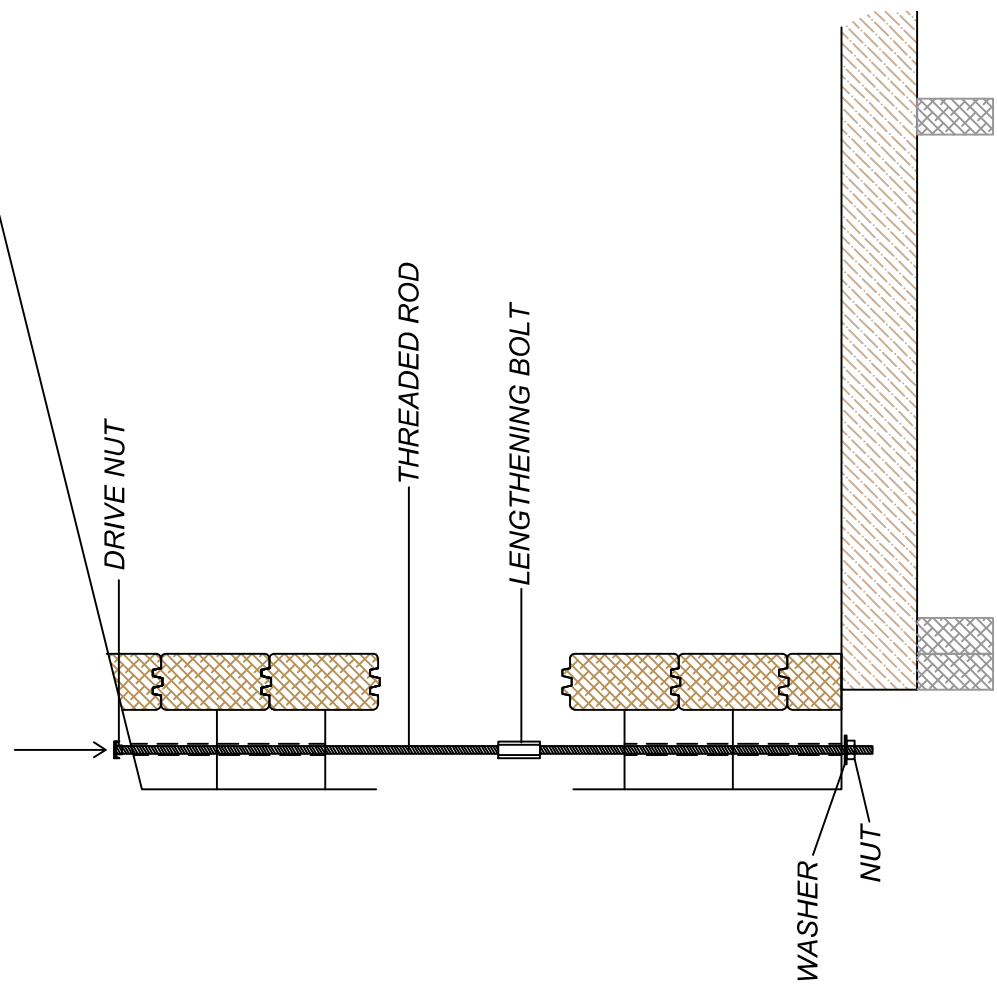
3



Threaded rods



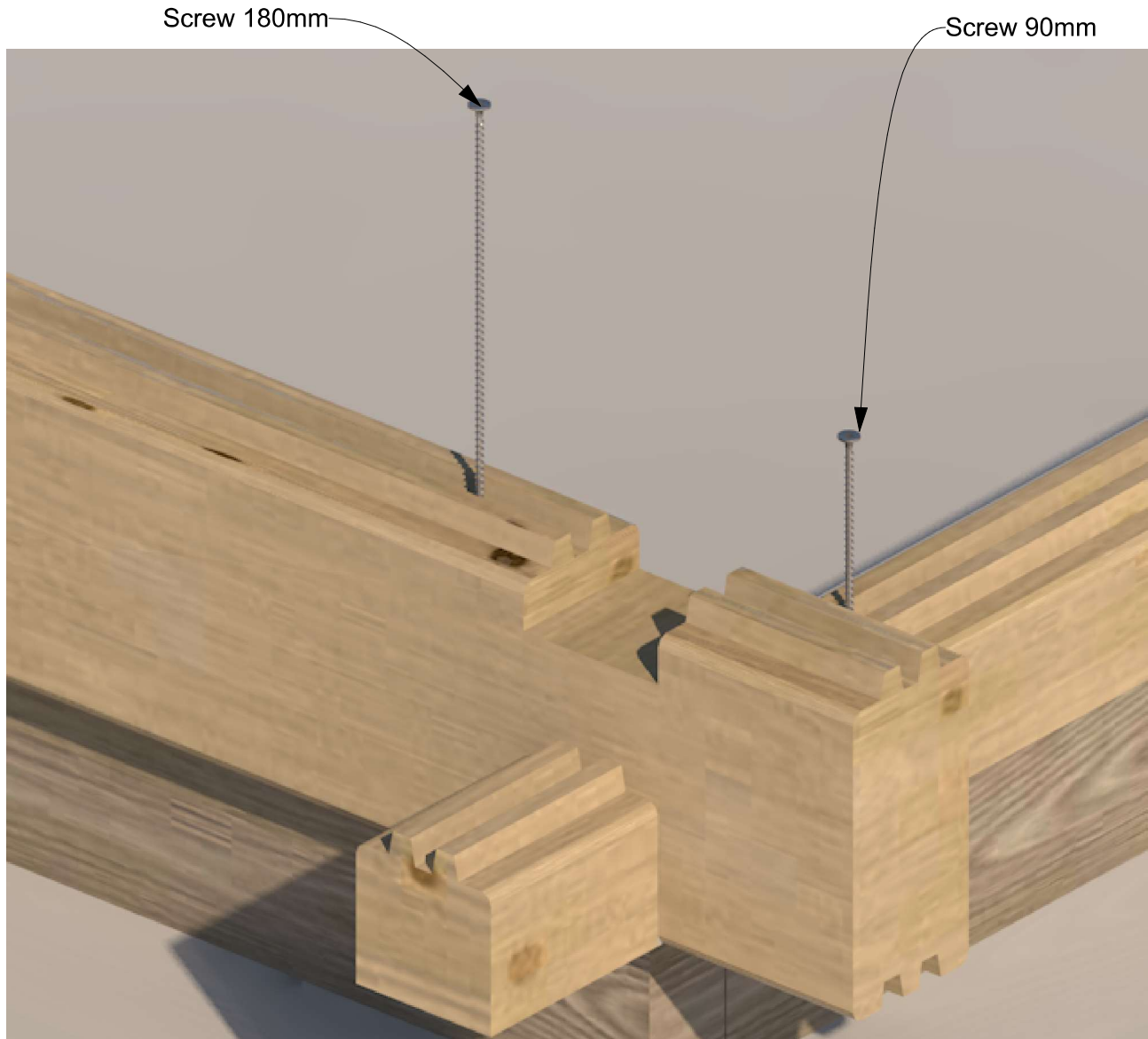
When installing wall logs, check for threaded rod holes in every wall log. If needed, drill a new hole.



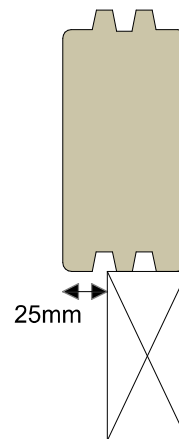
If threaded rod is in multiple pieces, use lengthening bolt

First log wall row

Install first log wall row to the floor frame with 90mm and 180mm screws(Suggestion: Drill hole before screwing)



Leave 25mm cap between outer wall log and floor frame



Wall log installation

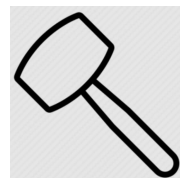
If the wall log is bent (swelling and shrinking) then use 180mm screws

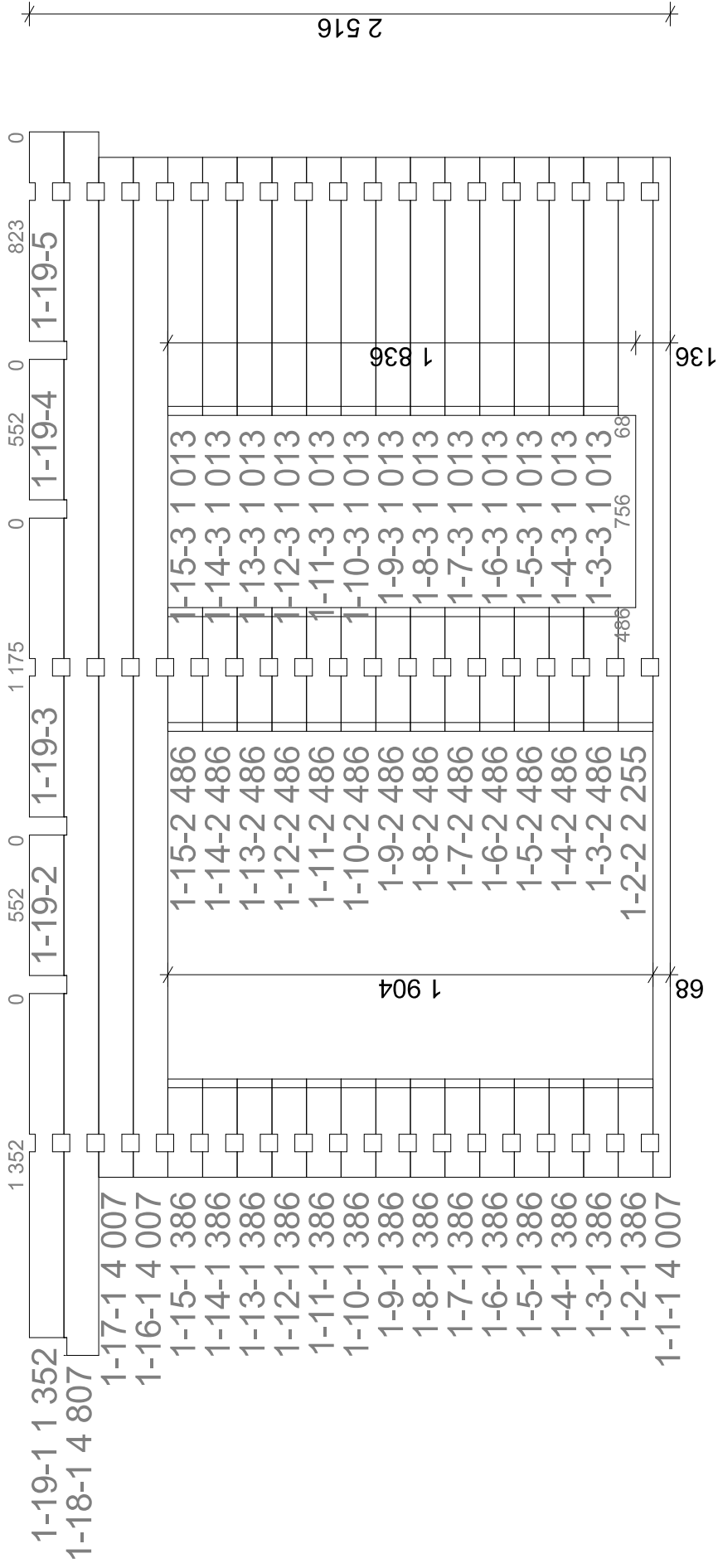
Screw 180mm

Screw 180mm

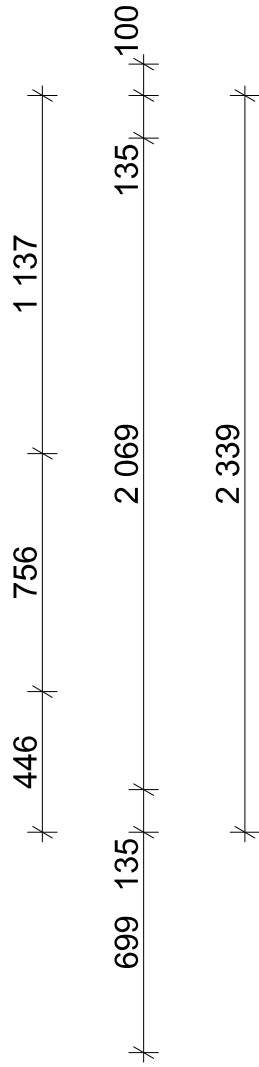
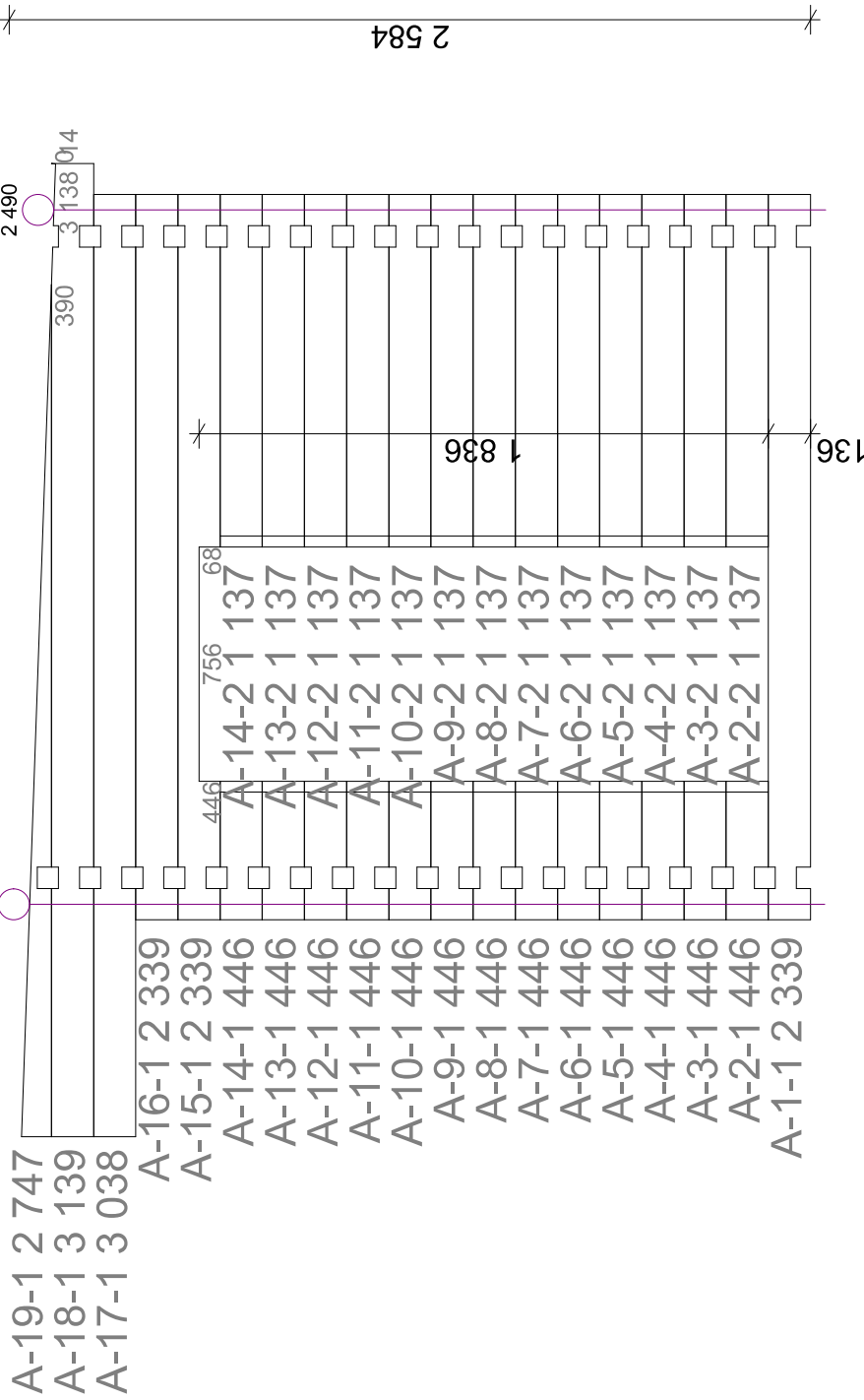


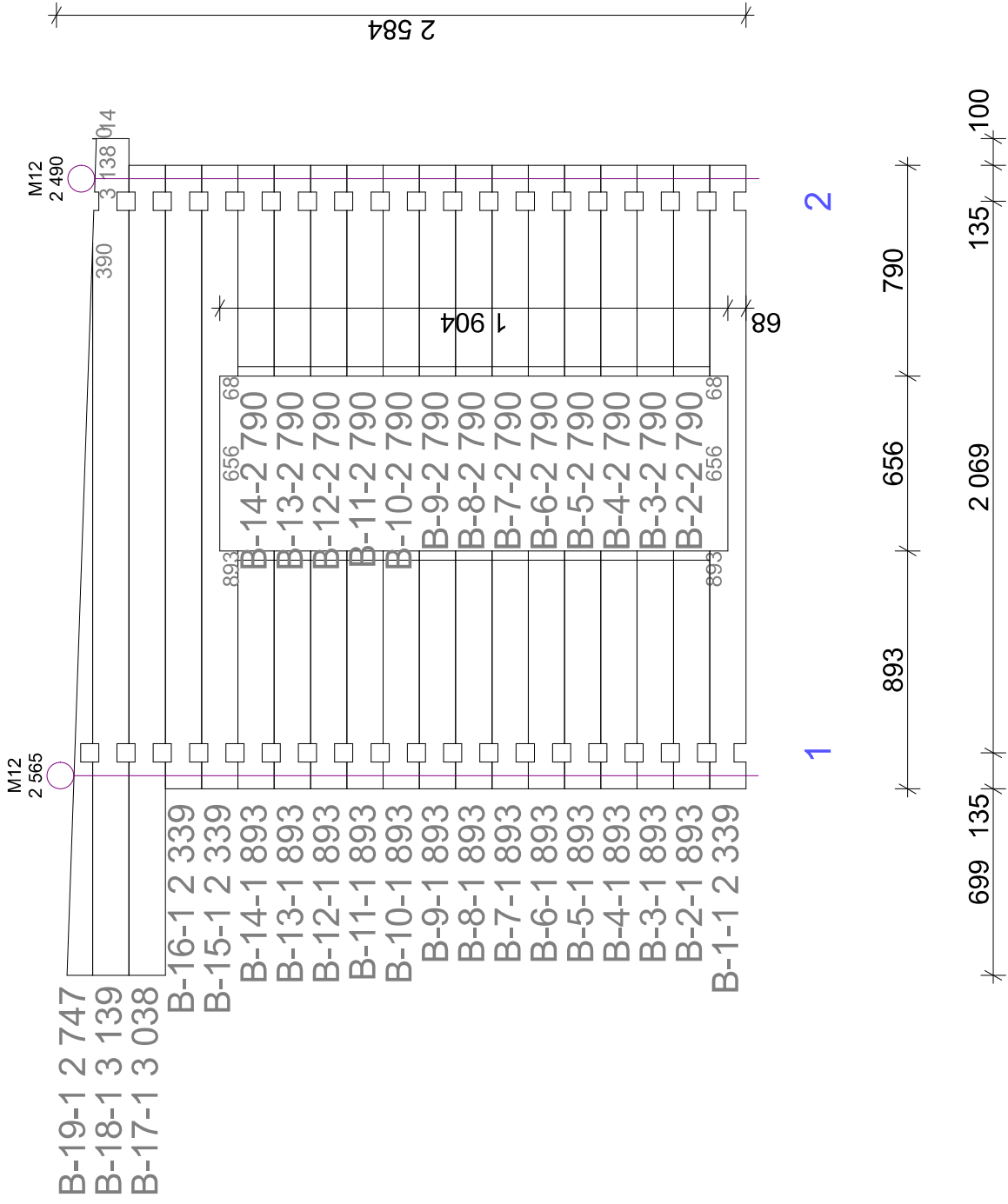
To install wall logs, use hammer and hitting block



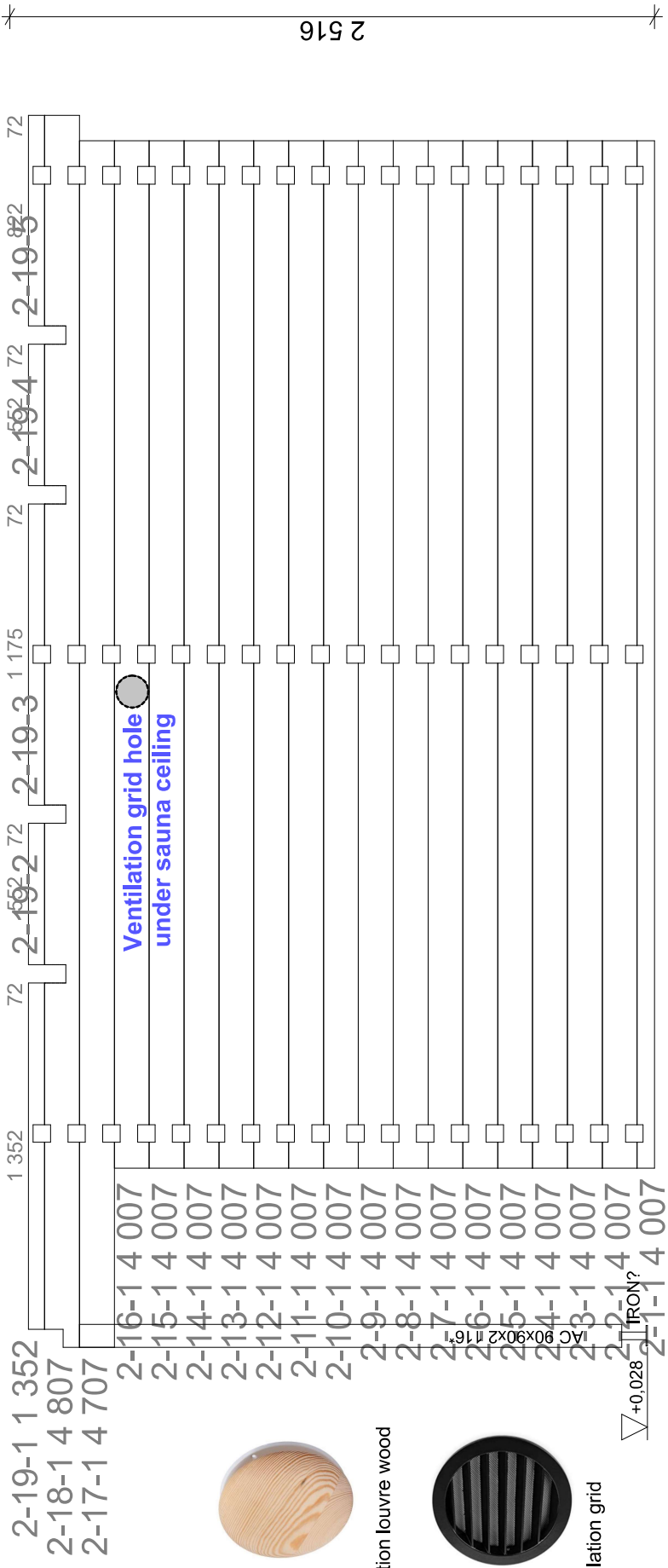


WALL 1





WALL B



2-19-1 1 352
 2-18-1 4 807
 2-17-1 4 707

2-16-1 4 007
 2-15-1 4 007
 2-14-1 4 007
 2-13-1 4 007
 2-12-1 4 007
 2-11-1 4 007
 2-10-1 4 007
 2-9-1 4 007
 2-8-1 4 007
 2-7-1 4 007
 2-6-1 4 007
 2-5-1 4 007
 2-4-1 4 007
 2-3-1 4 007
 2-2-1 4 007
 2-1-1 4 007



Ventilation louvre wood



Ventilation grid

▽ +0.028
 IRON?

A B C

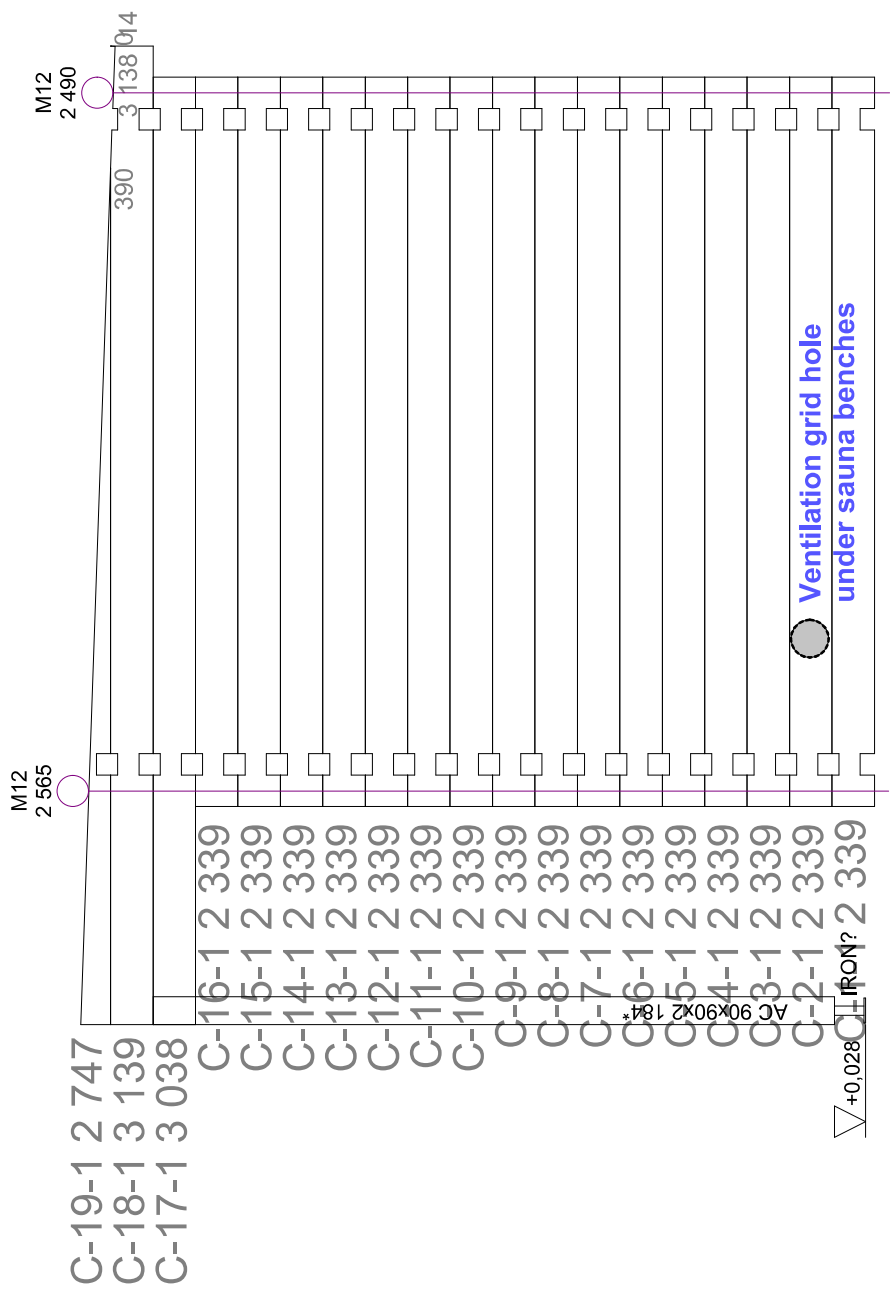
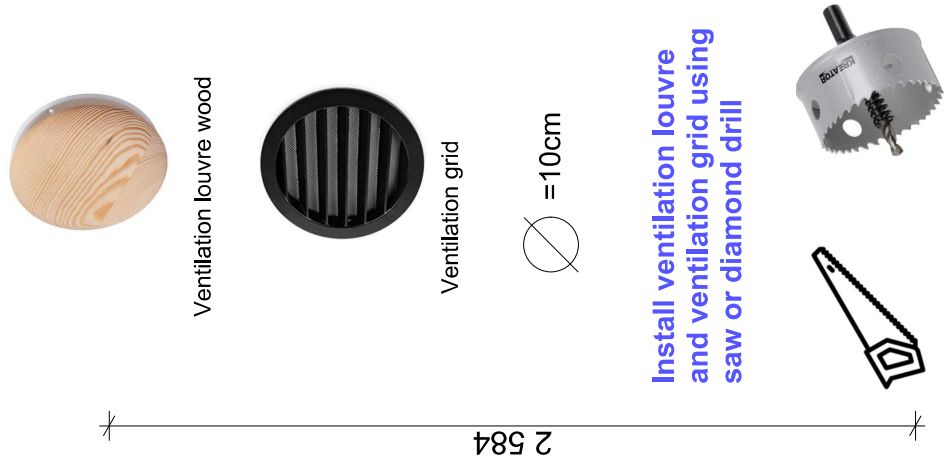
700 135 1 869 1 869 134 100

4 007

Install ventilation louvre and ventilation grid using saw or diamond drill



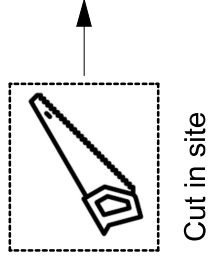
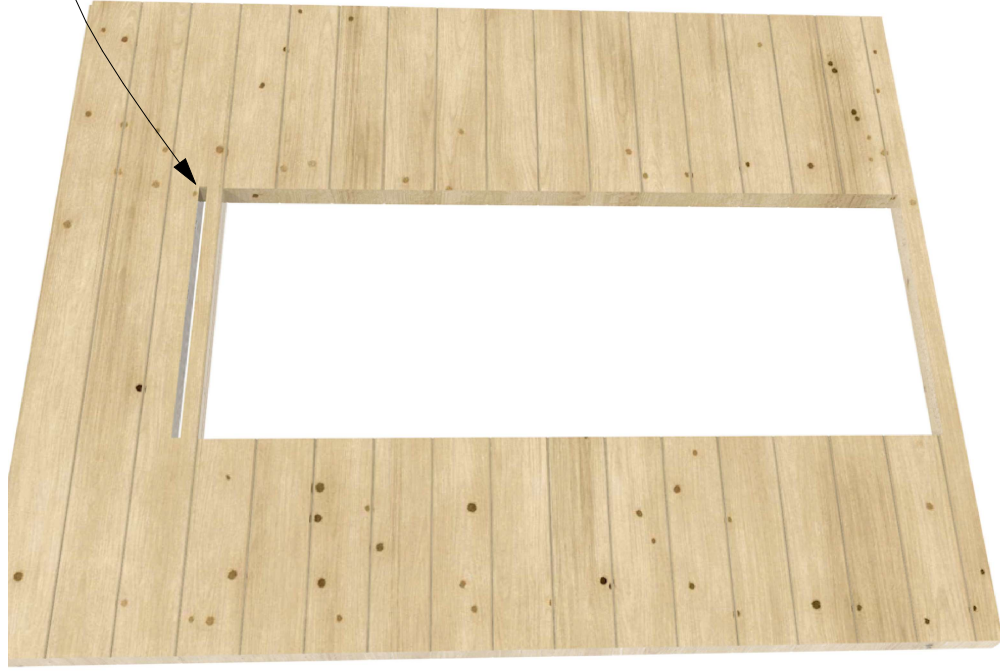
∅ = 10cm



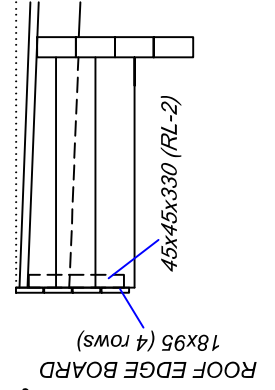
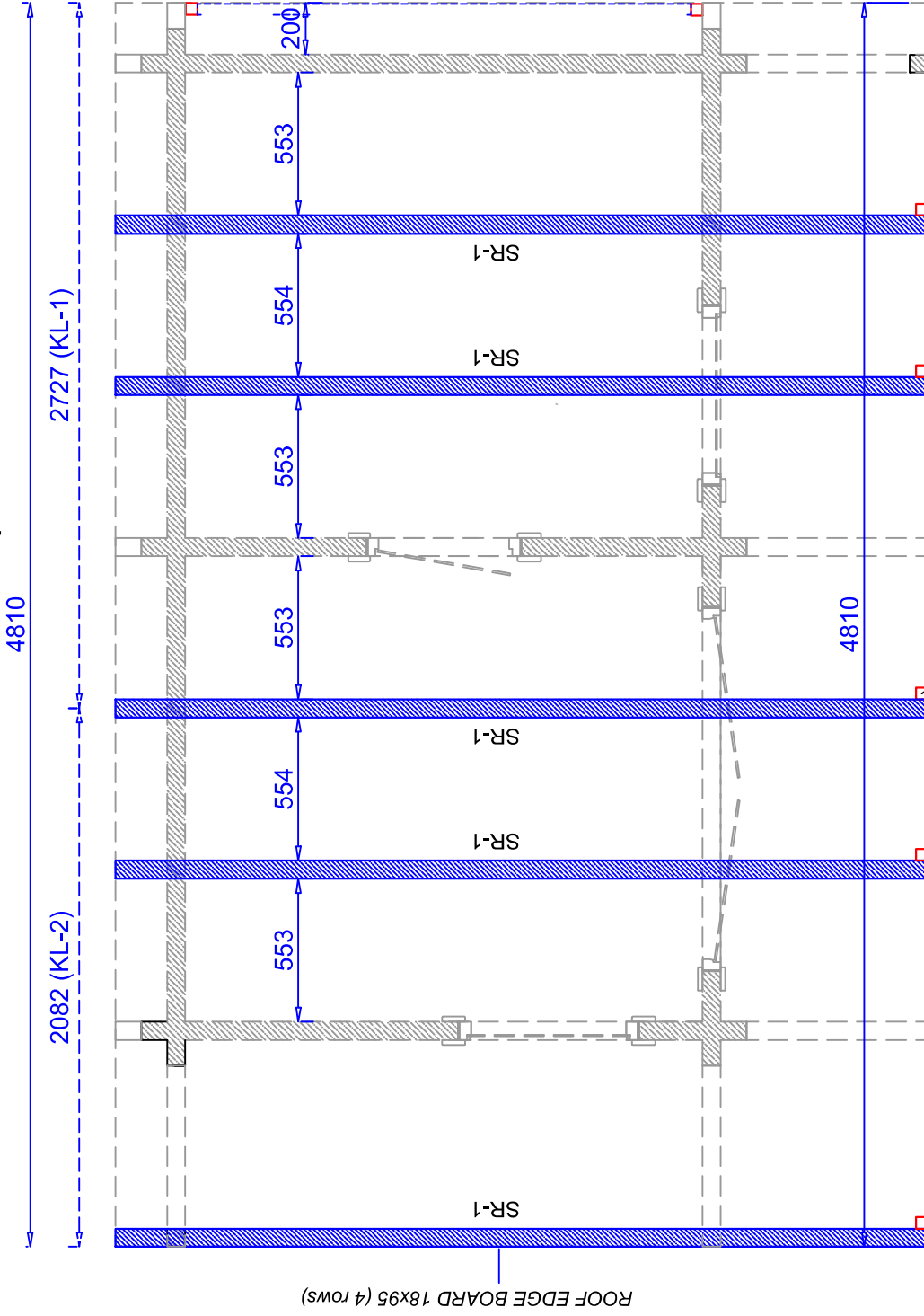
WALL C

Opening cutting

Opening upper or lower wall log vertical cut is made in site.

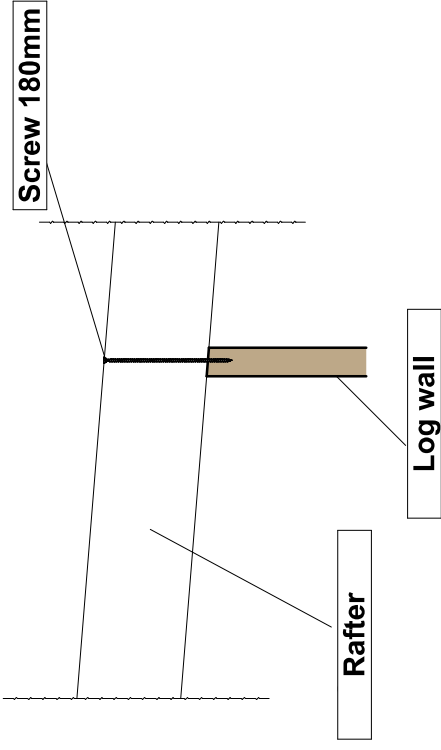
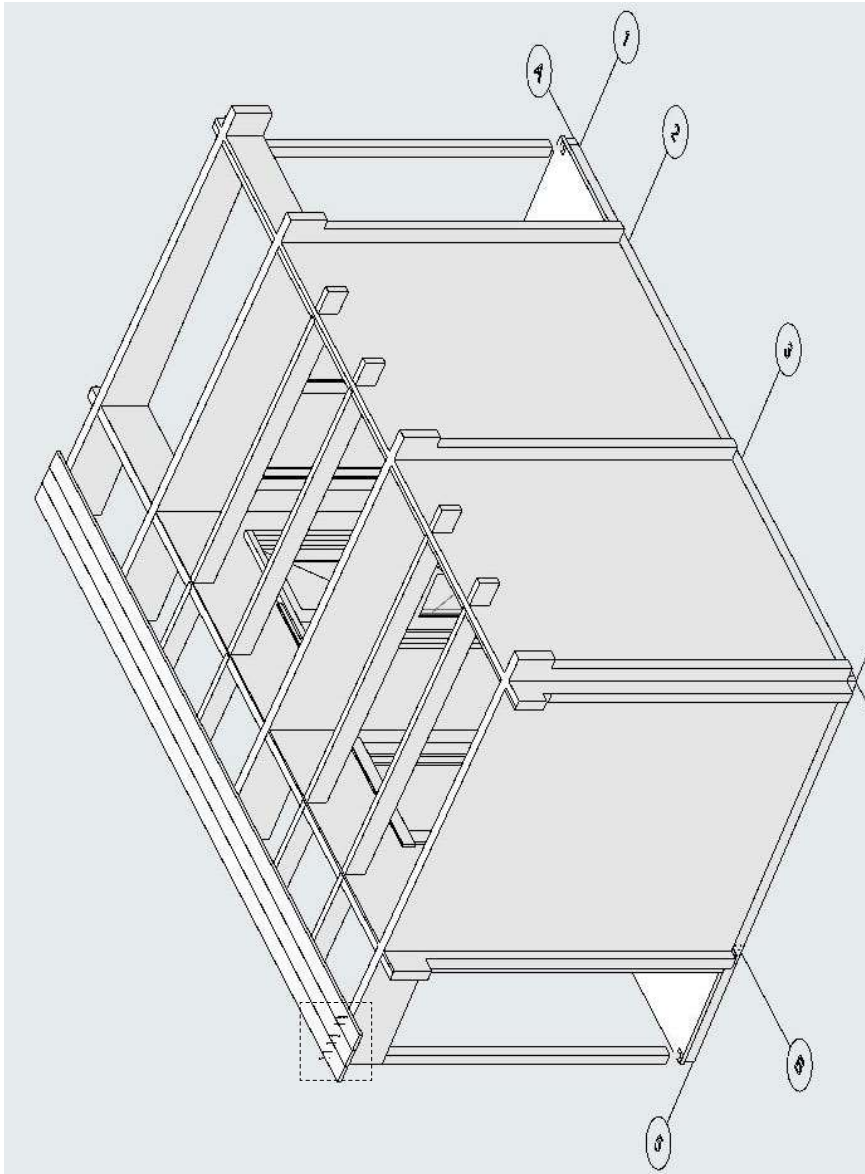


Rafters plan



USE 45x45x330 DETAILS (RL-2) FOR FIXING THE EDGE BOARD RL-3
FIX THE RAFTERS TO THE WALL WITH 180 MM SCREWS
FIX THE ROOF BOARDS WITH 75 MM NAILS

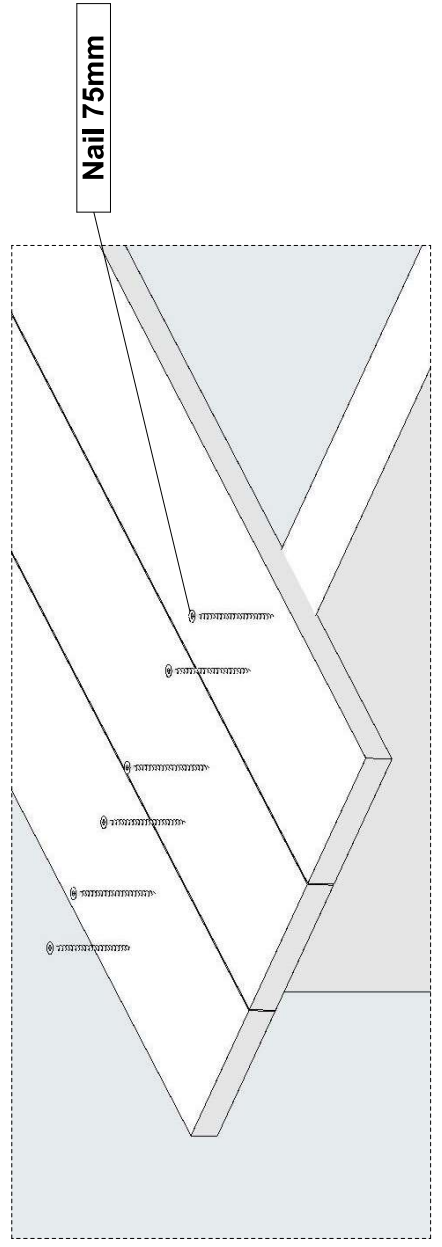
Rafters, roof boards



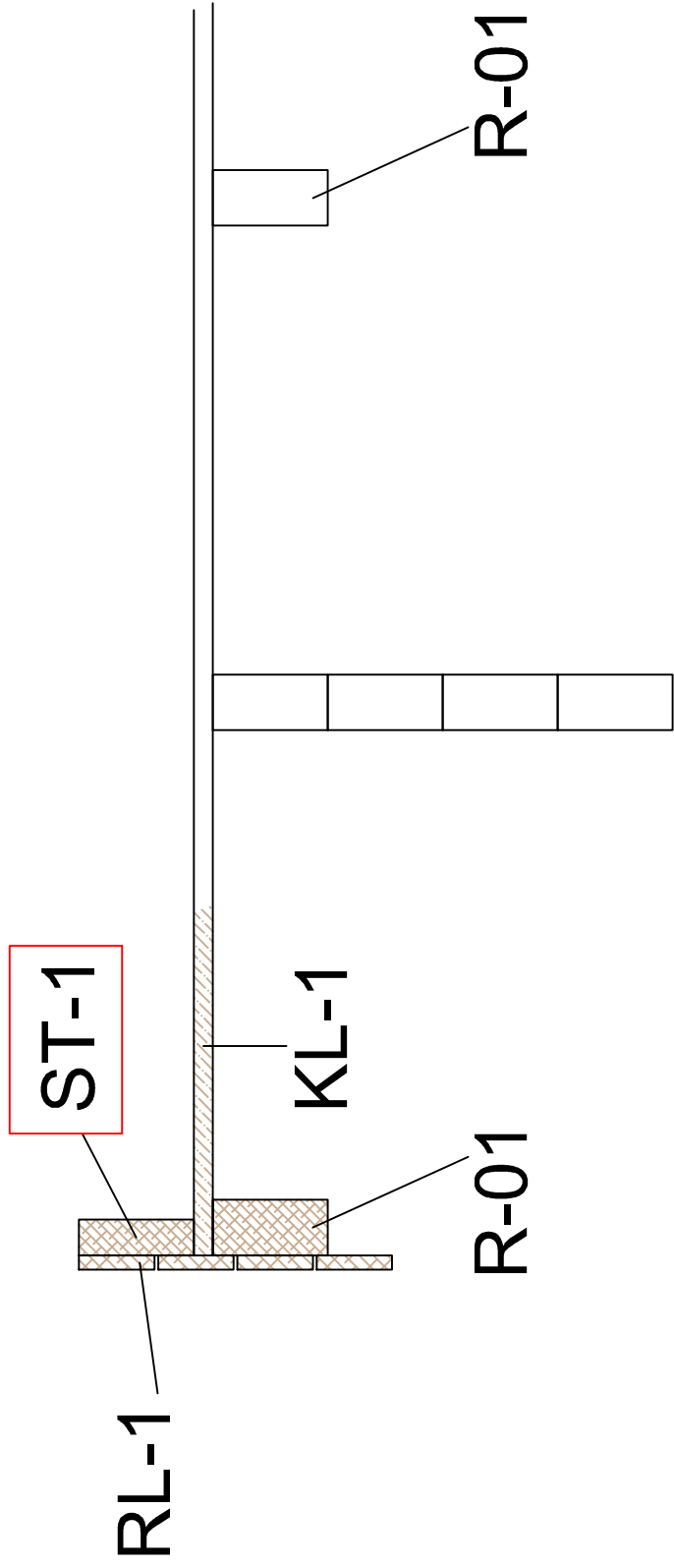
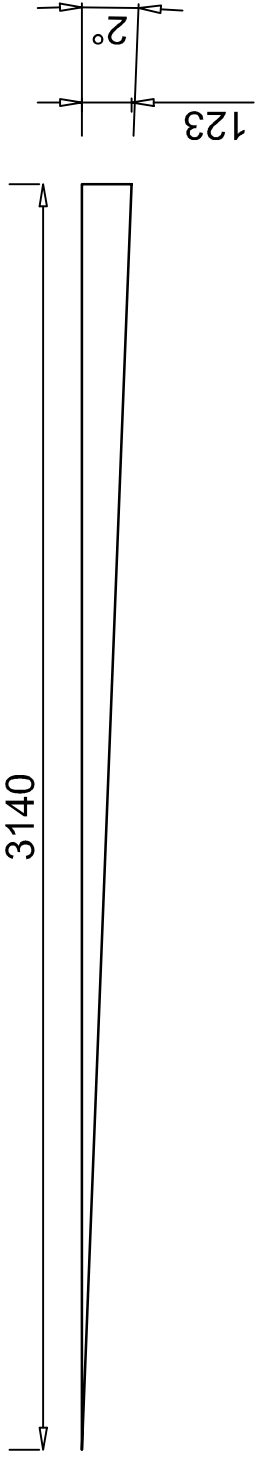
Fix Rafters to log walls with 180mm screws



Fix Roof boards to rafters/ wall log gables with 75mm nails. Use hammer (2 nails per connection)



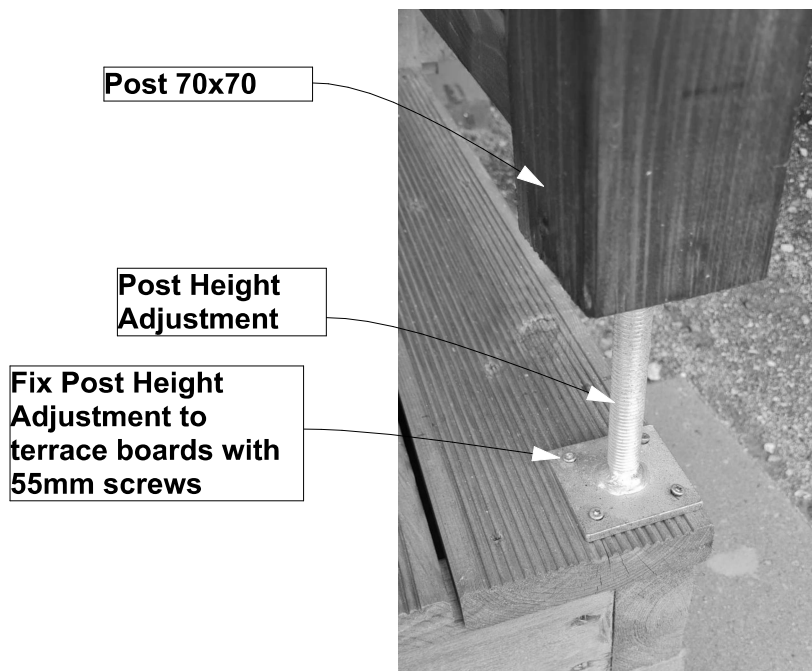
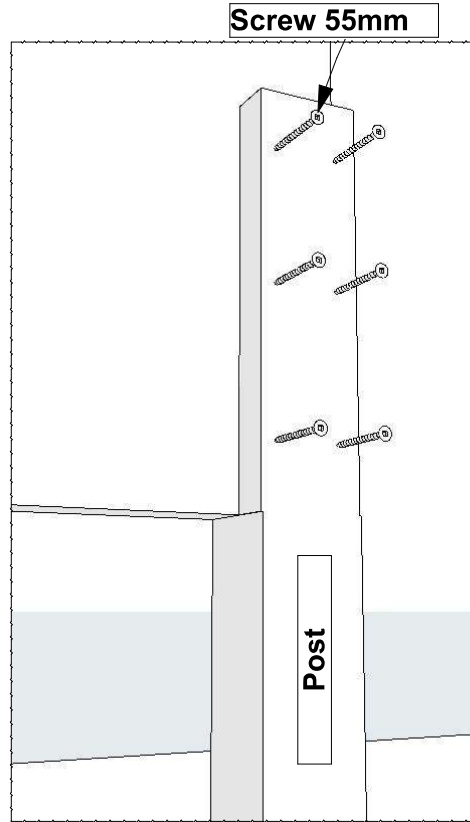
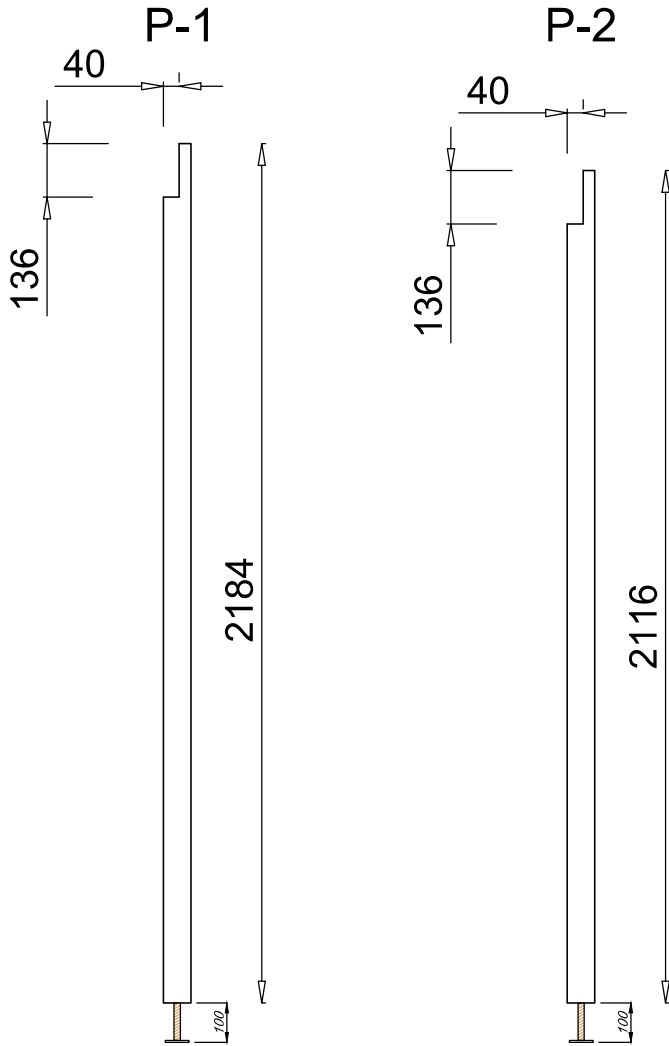
Profile ST-1 45x123 for fixing the roof edge boards



POSTS

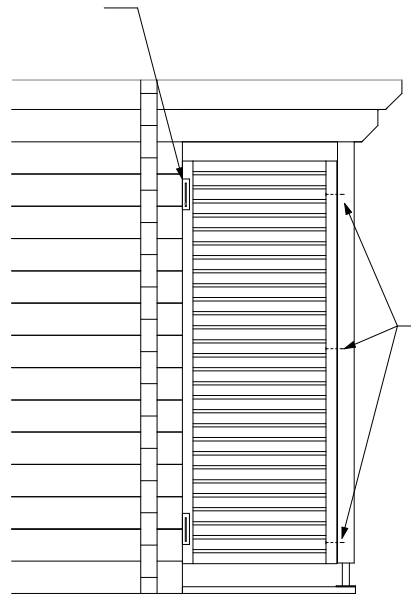
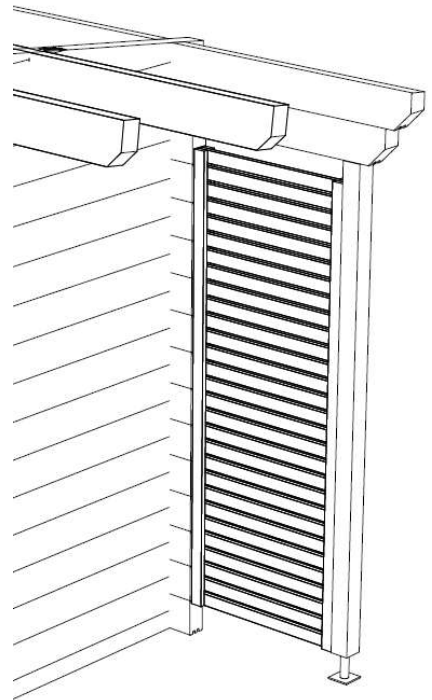
REVAL 70 POST 90x90

Fix posts to wall log with 55mm screws



INSTALLATION OF THE GRID

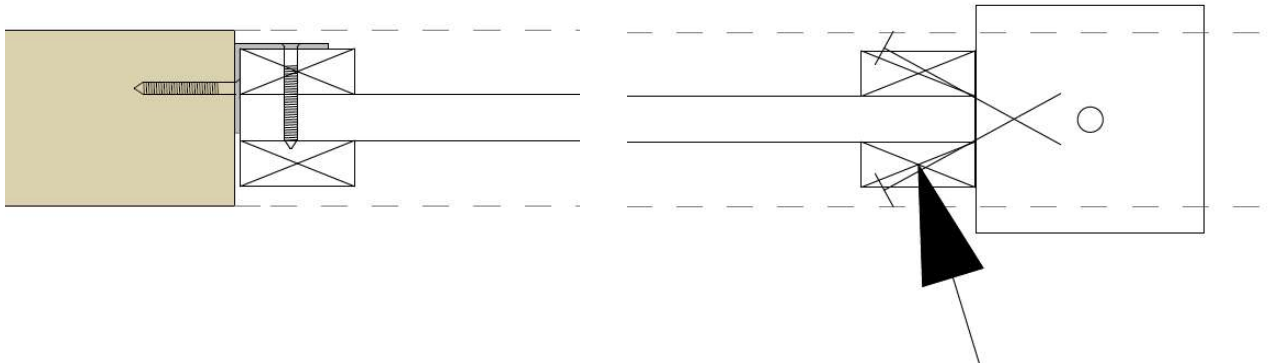
Functional drawing



Sliding bracket 35x35x130

Install with 5x40 screws

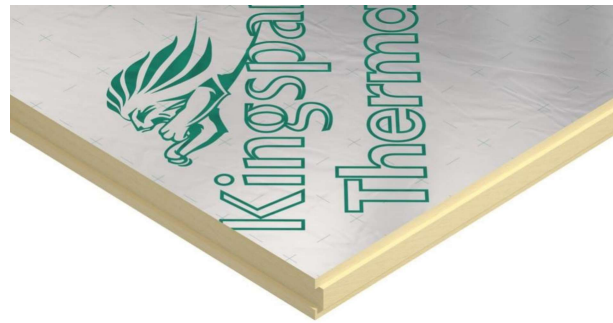
Use M5 washer with screw to allow the wall logs to sink
(do not tighten the screw 100%)



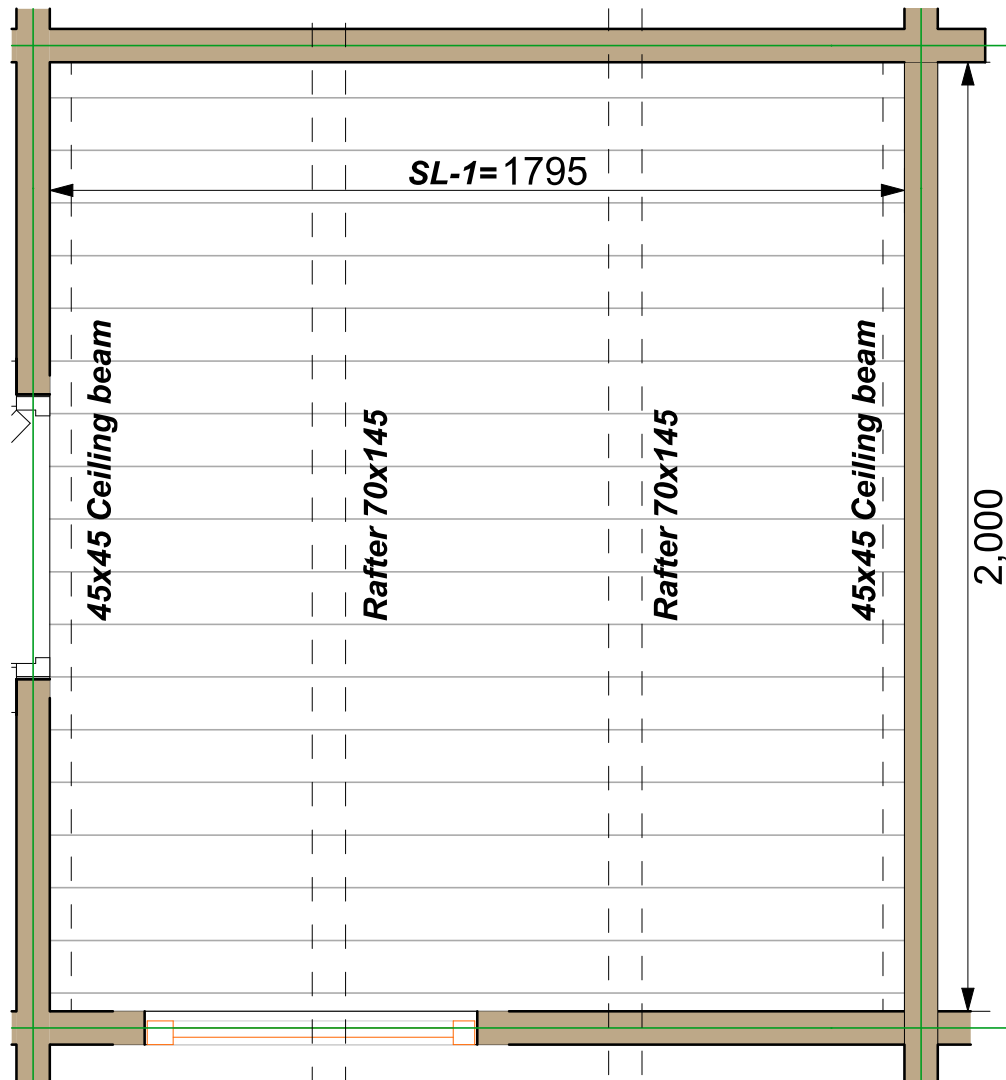
Fix the grid to corner post with a screw 5x80

Sauna ceiling

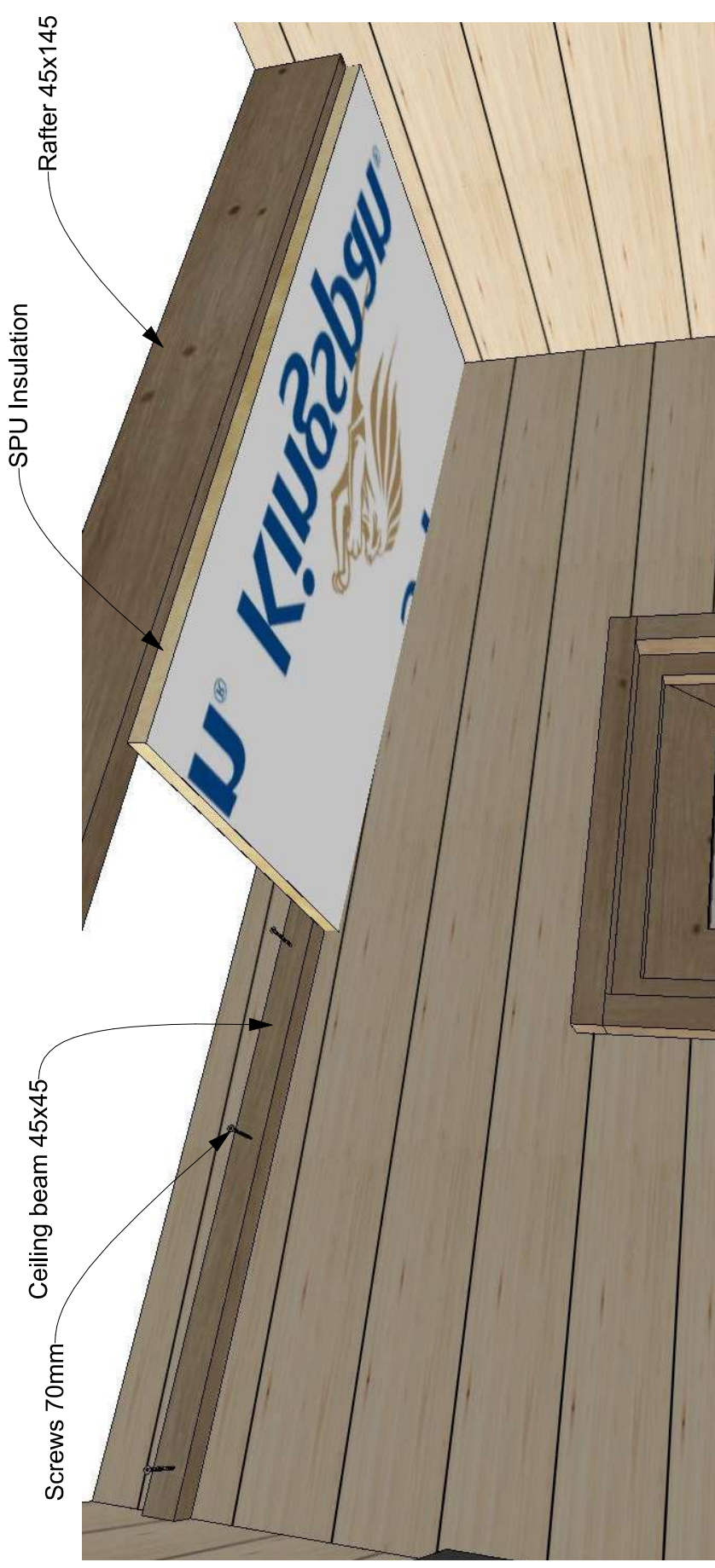
Sauna ceiling panelling and insulation are installed in sauna room ceiling



Top view:



Sauna ceiling



1. **Temporarily** install spu insulation to roof rafter
2. Mark where SPU insulation meets the side wall. Then install 45x45 Ceiling beam 45x45 with 70mm screws
3. Do the same thing with other side wall.

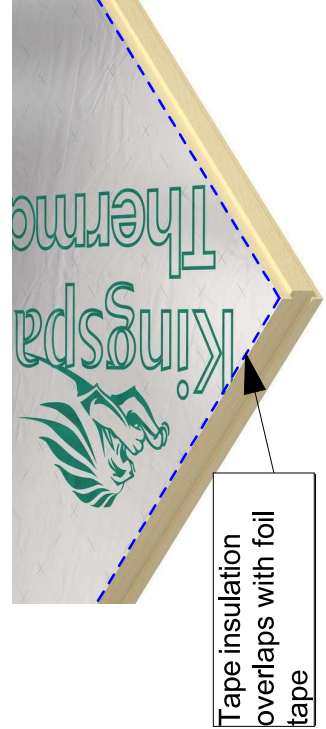
Sauna ceiling



4. Install SPU insulation to Roof rafters and ceiling beams with 15x55 ceiling mouldings and 70mm screws



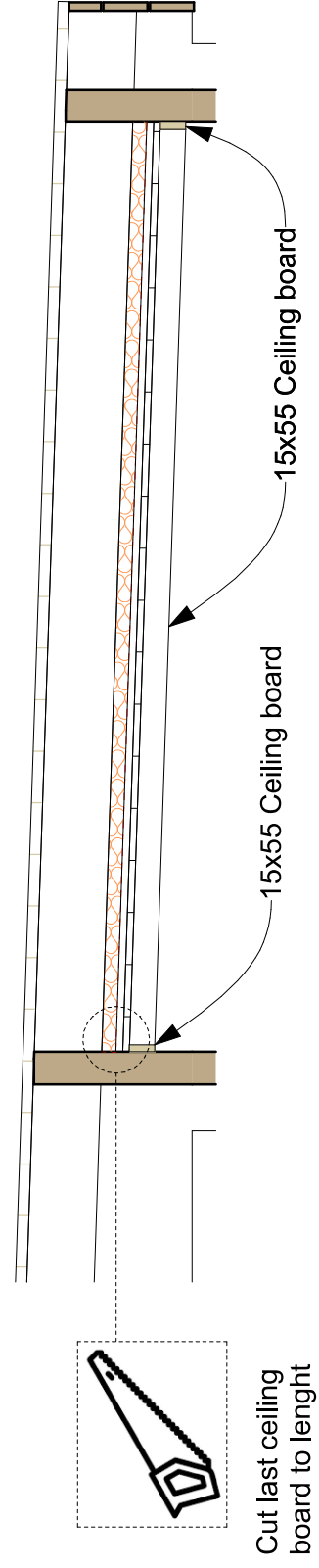
Use foil tape with SPU insulation



Sauna ceiling

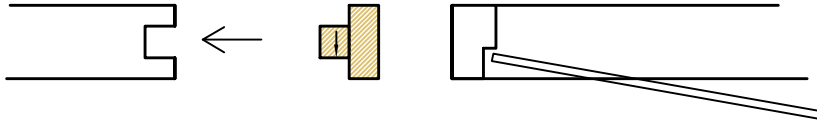


5. Use 40mm nails (1 nail per 1 connection) to install ceiling panels to the distance board, cut the last ceiling board to length
6. Install ceiling boards 15x55 to walls with 40mm nails



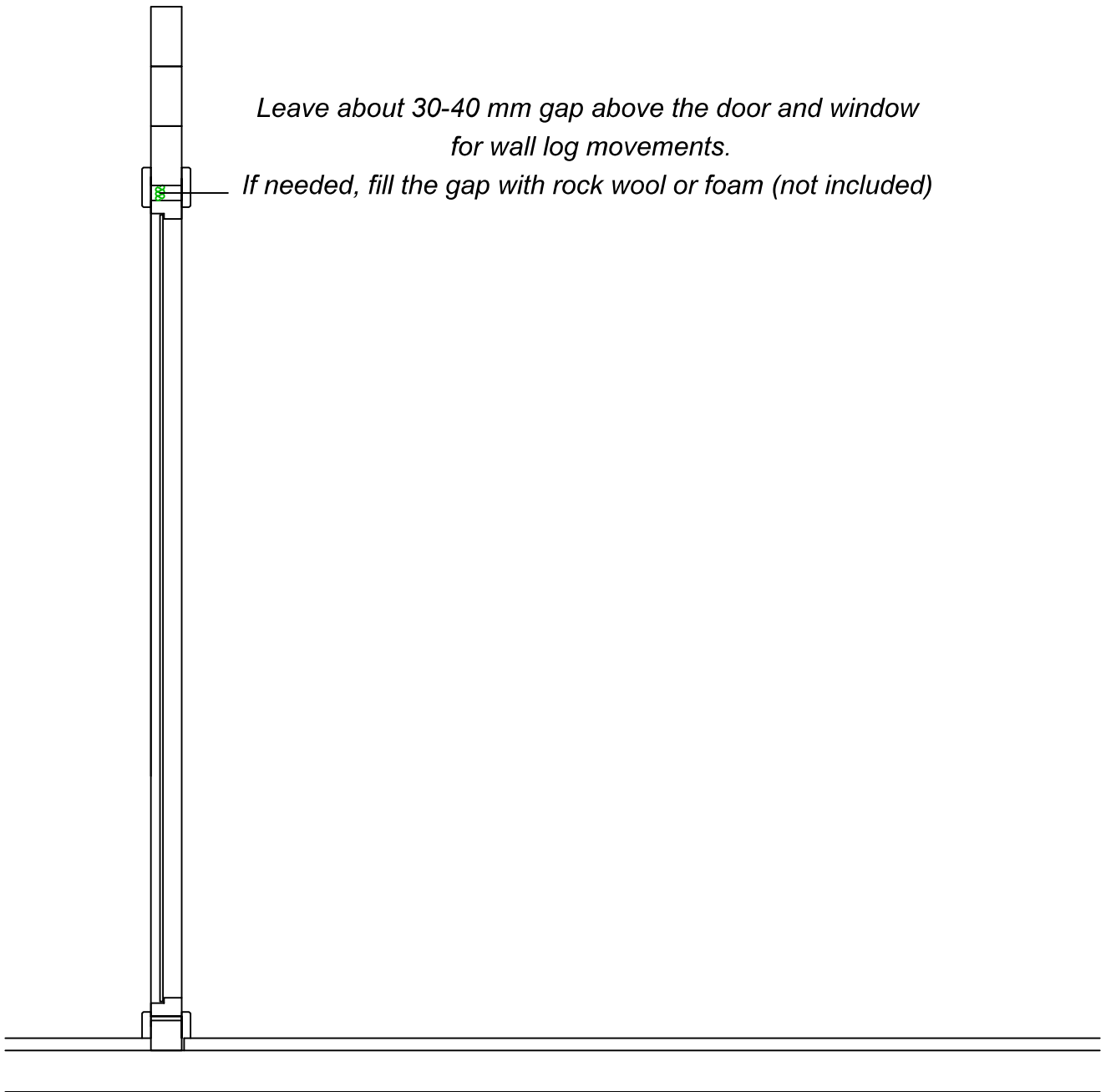
DOOR AND WINDOW

*Insert the T-shape fixing fillet to the gap in wall logs
Fix it with the screws only in lower edge, to allow wall log movements*

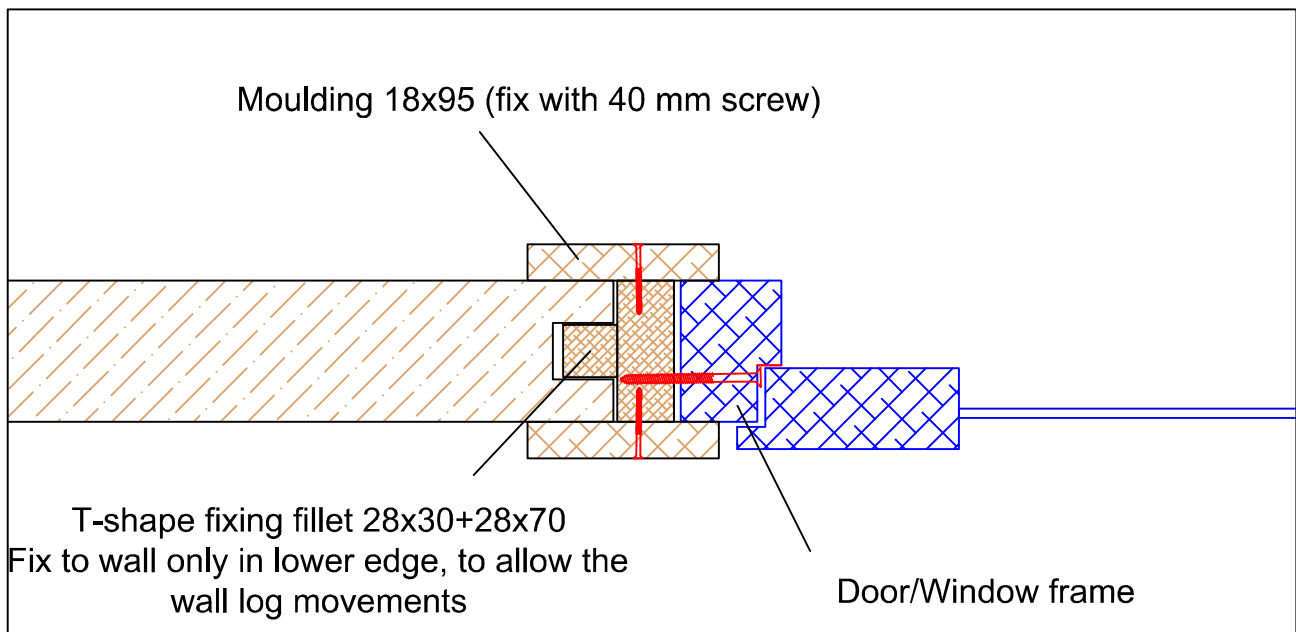


*Leave about 30-40 mm gap above the door and window
for wall log movements.*

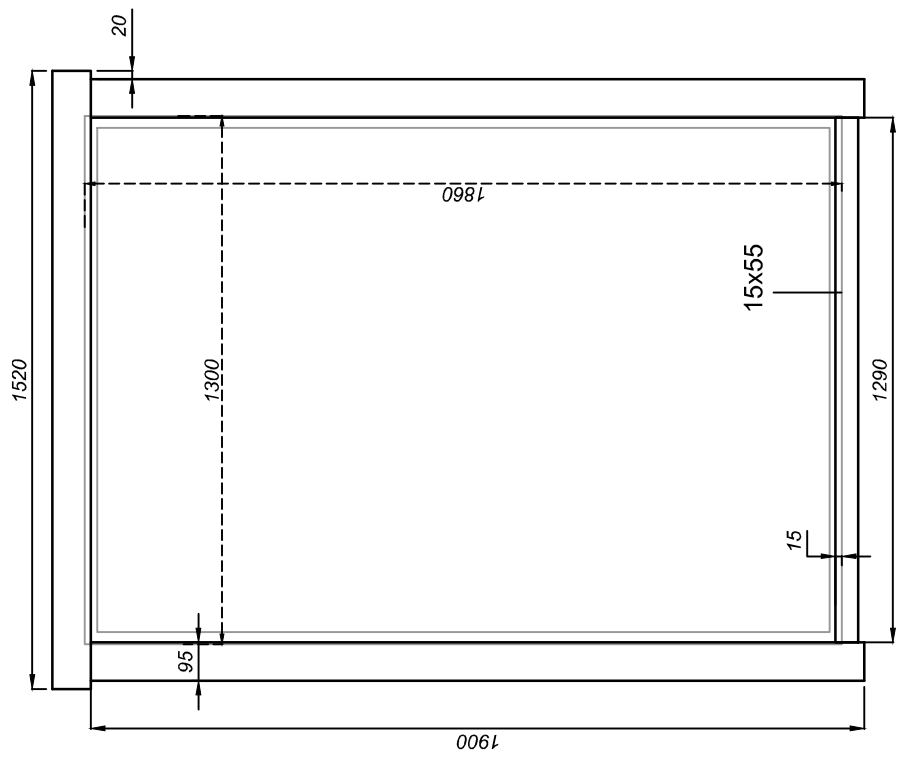
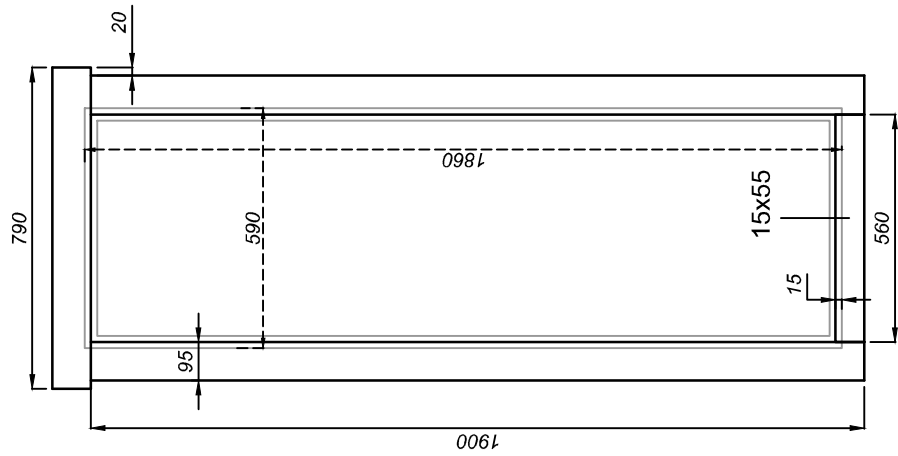
If needed, fill the gap with rock wool or foam (not included)



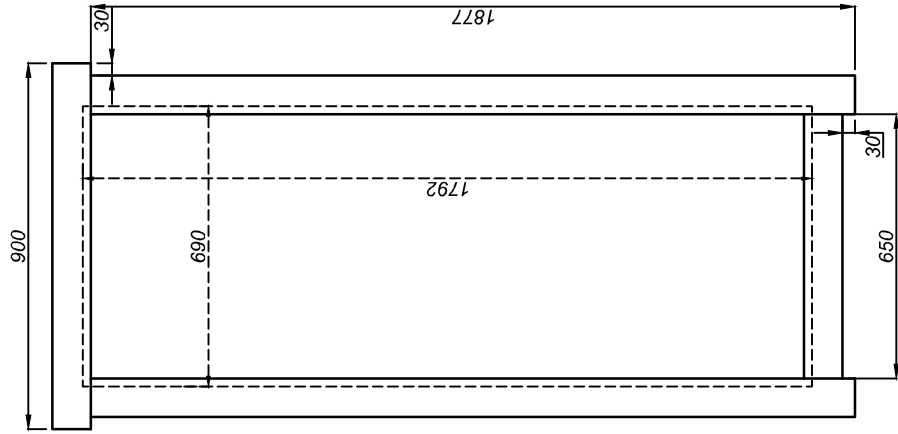
CROSS-SECTION OF FIXING FILLET



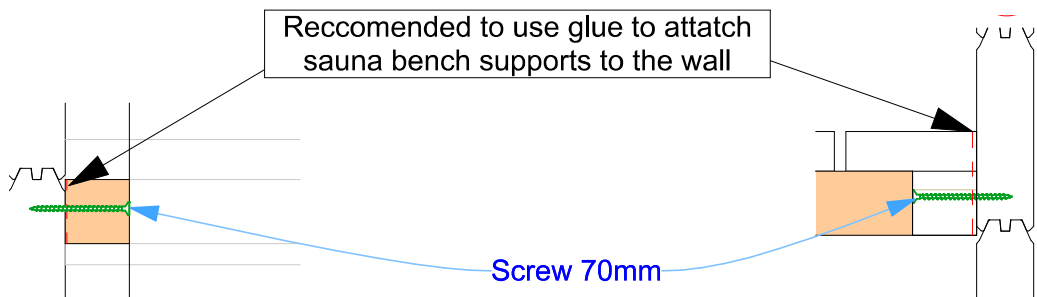
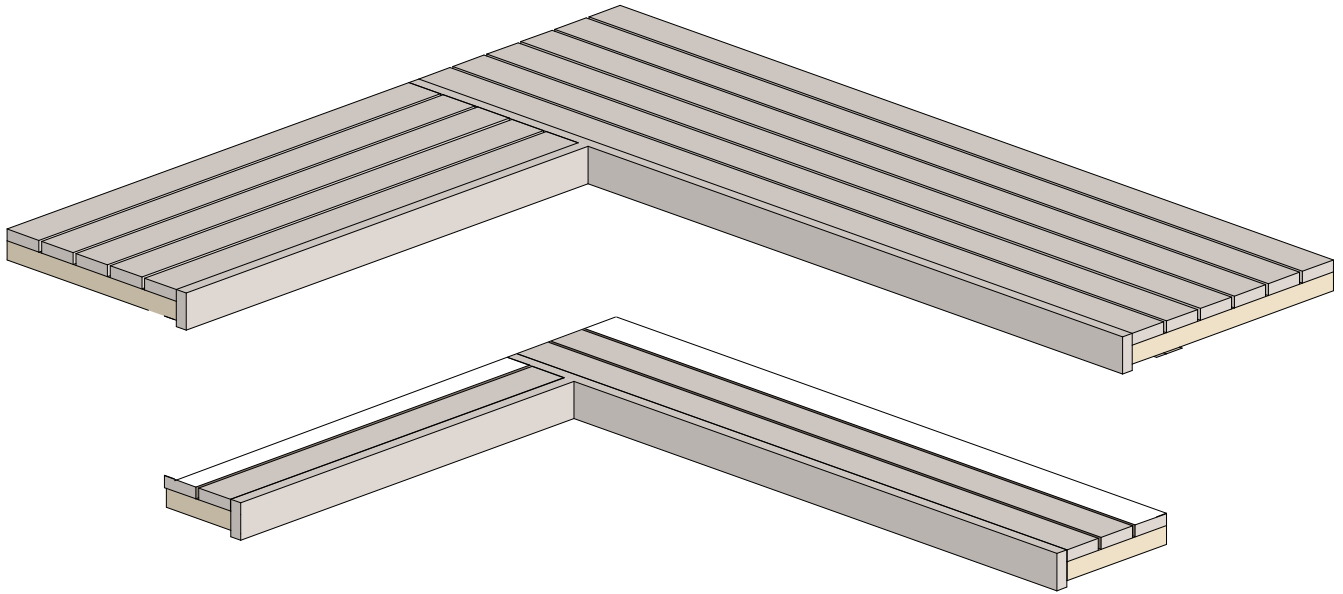
DOOR MOULDINGS



WINDOW MOULDINGS

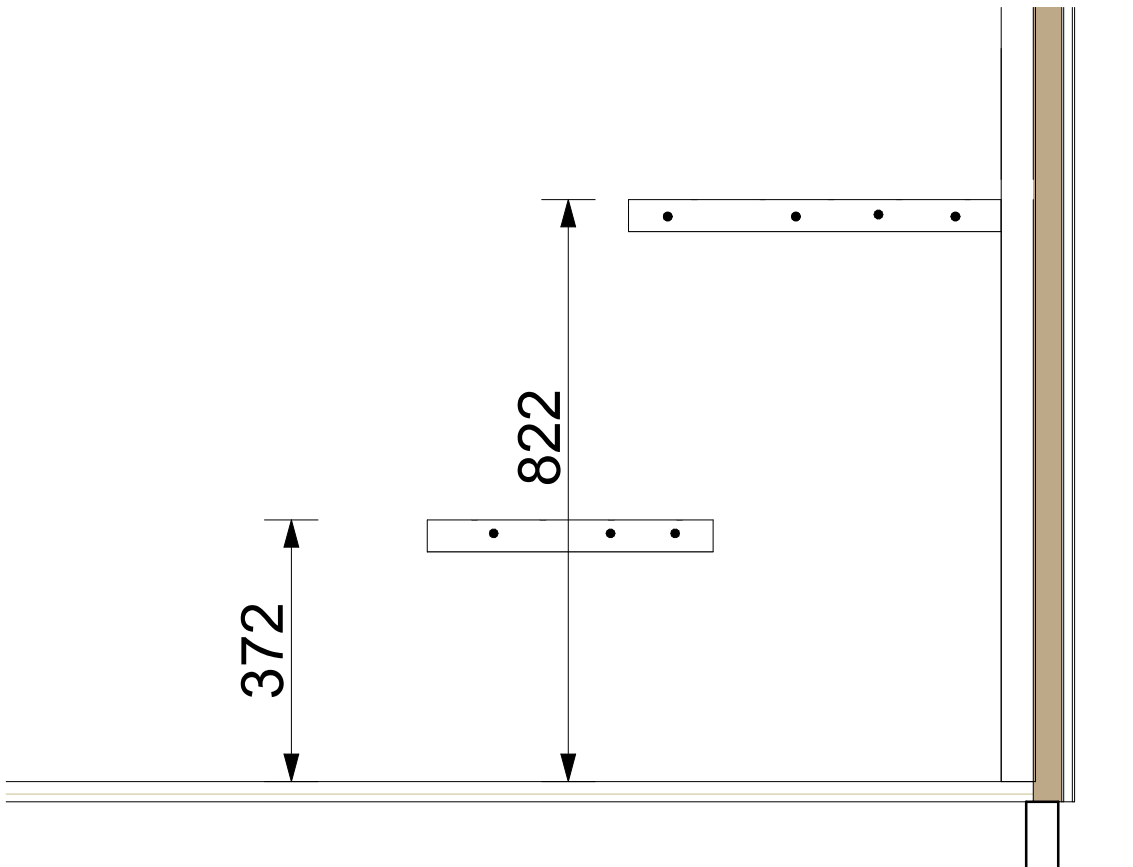


Sauna Benches



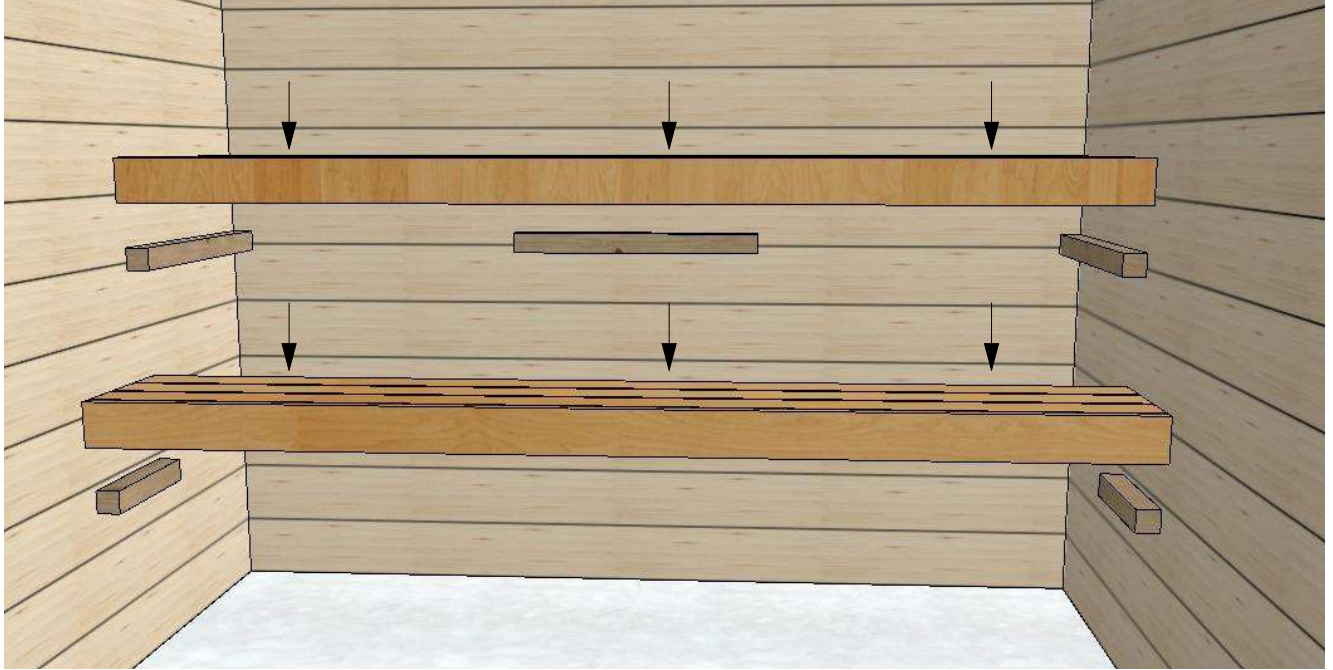
Sauna Benches

1. Fix bench supports to the wall with 80 mm screws



Sauna Benches

2. Lift Sauna Benches on top of the supports



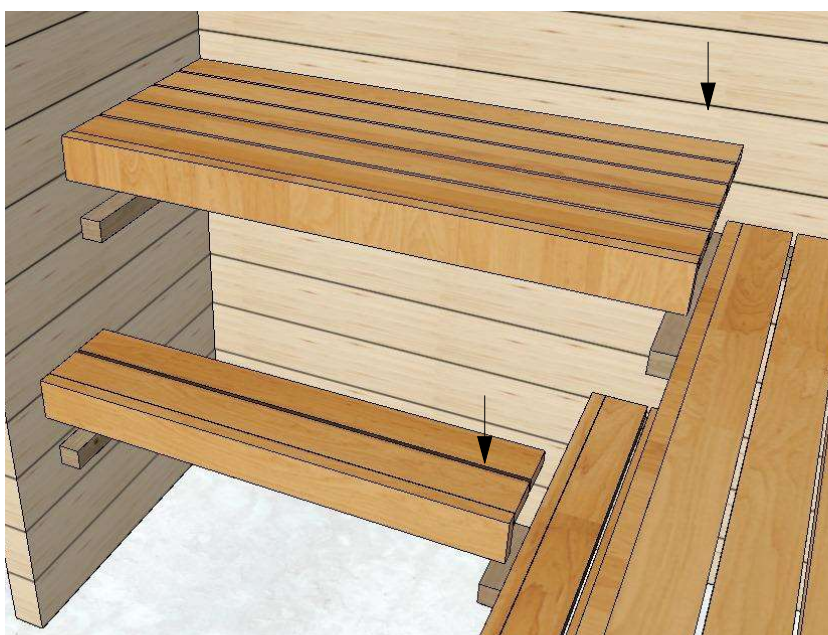
FIX THE BENCH UNDERNEATH TO THE BENCH SUPPORTS

Sauna Benches

3. Fix bench supports to the wall and benches with **80 mm screws**



4. Lift Sauna Benches on top of the supports



FIX THE BENCH UNDERNEATH TO THE BENCH SUPPORTS