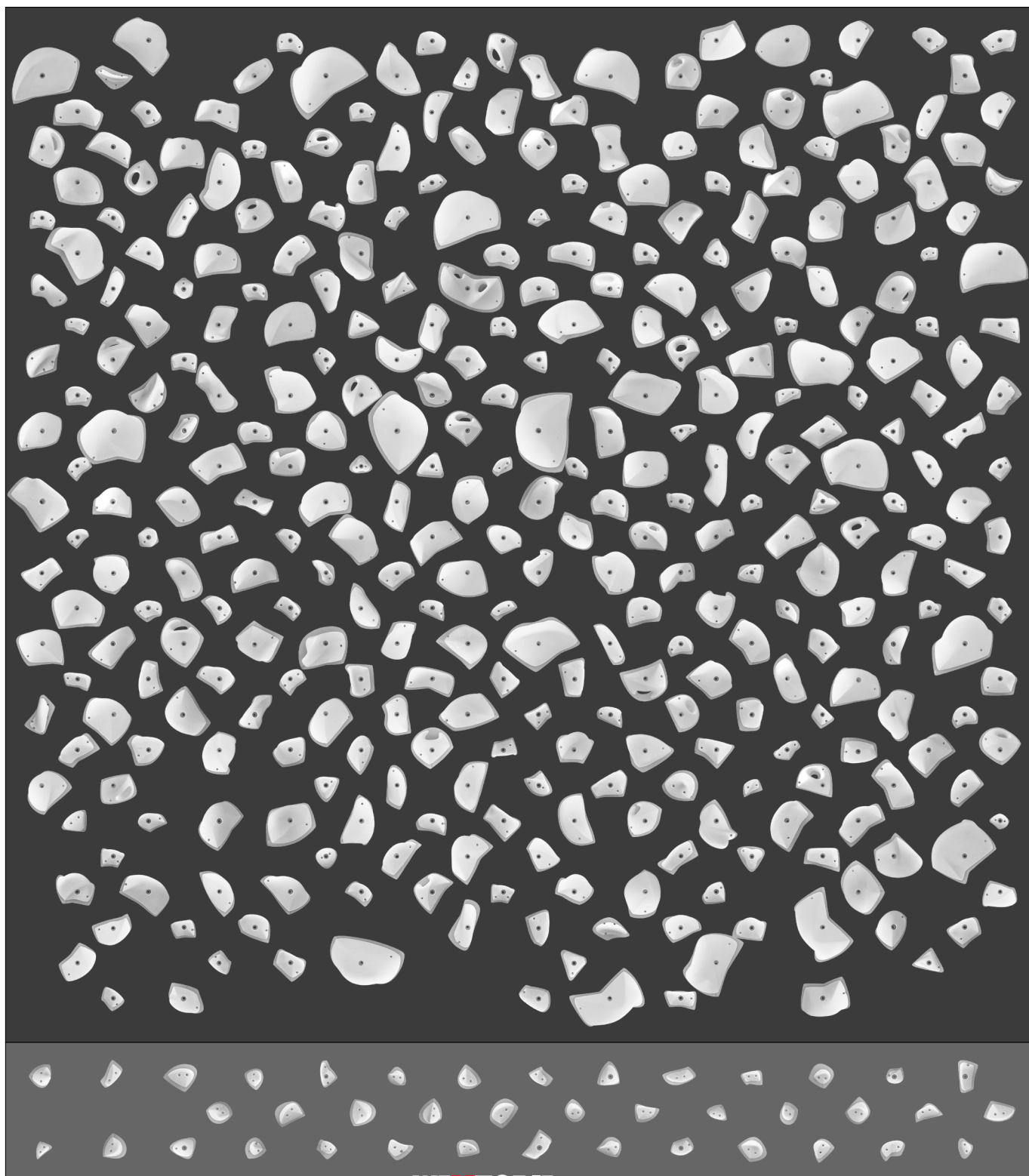


**WALLTOPIA**

# QUANTUM BOARD

## INSTALLATION MANUAL



# 1. How to start?

I just installed my board, what now?..... page 01

Bottom Right..... page 29

Kick Left & Right ..... page 31

Side Right & Left ..... page 33

# 2. Climbing holds

Indicators ..... page 03

Example 1 ..... page 05

Example 2 ..... page 09

# 4. LED Installation

Parts & Basic Instrucutions ..... page 35

Example 1 Line 1 ..... page 37

Example 2 Line 2 ..... page 40

LED Diagram ..... page 43

# 3. Routesetting

Top Left ..... page 15

Top Right ..... page 17

Left 2 ..... page 19

Right 2 ..... page 21

Left 3 ..... page 23

Right 3 ..... page 25

Bottom Left ..... page 27



# 1. How to start?

## I JUST INSTALLED MY BOARD WHAT NOW?

Don't worry, everything will be alright because you have this manual for the holds installation.

**First, we will explain the fastest way to install all of the holds and how to organize your work in the most efficient way possible.**

If you have any ideas on how to improve the process or would like to share anything else with us about the installation of the board, you can send us an email at **quantumboard@walltopia.com**.

### STEP 1 — UNPACKING THE HOLDS

Sort the unpacked holds in 4 piles:

- 3 piles for the main panels;
- 2 piles for the kickboard panels;

Use **Table 1** to find the place of each hold and sort them accordingly.

### STEP 2 — LEARN ABOUT THE INDICATORS

Both the board and the holds have specific indicators to ensure correct placement.

Before you begin, make sure to read **Step 2: Climbing Holds**, where you'll find examples of how to position the holds on the board.

### STEP 3 — ROUTESETTING

In **Step 3: Routesetting**, you will find board schemes divided by panels, with the indicated direction of the holds.

For added convenience, you can also open **Table 1** in a separate window to find all of the hold locations and directions.

### STEP 4 — LED INSTALLATION

After all of the holds are in place, then you can start setting up the LED Controller and the LEDs.



# 2. Climbing holds

## I JUST GOT MY HOLDS WHAT NOW?

If everything is in order and your shipment has arrived, you should now be surrounded by 386 climbing holds.

Now comes the really fun part.

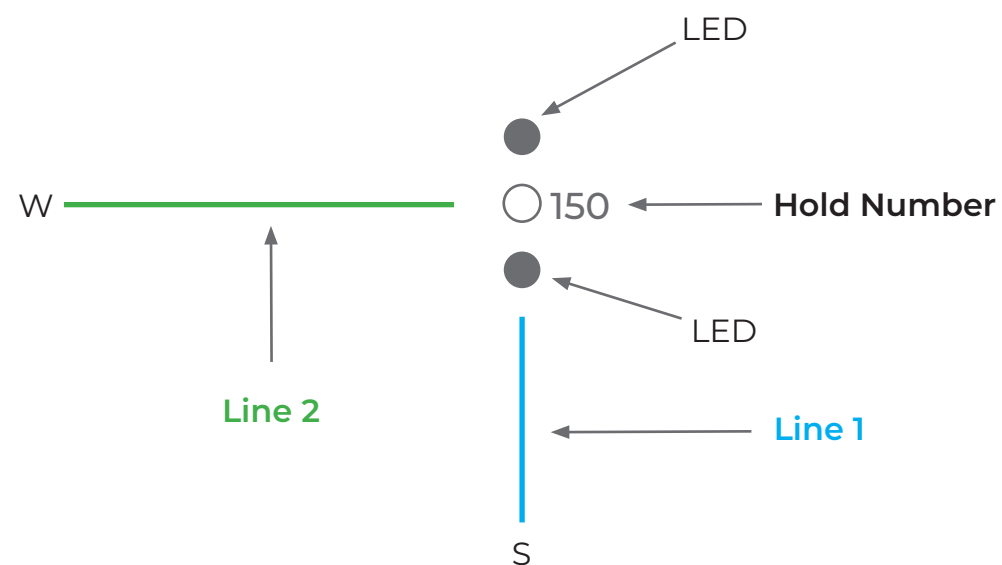
There are two types of holds in your set:

- Holds with Bolts
- Holds without Bolts

## THE INDICATORS ON THE BOARD

Once you locate the position, you'll see the **hold number** and **two lines**. These lines must be aligned with the arrows on the hold:

- **Line 1** always points South.
- **Line 2** indicates the hold's direction, which can be North, Northeast, East, Southeast, South, Southwest, West, or Northwest.



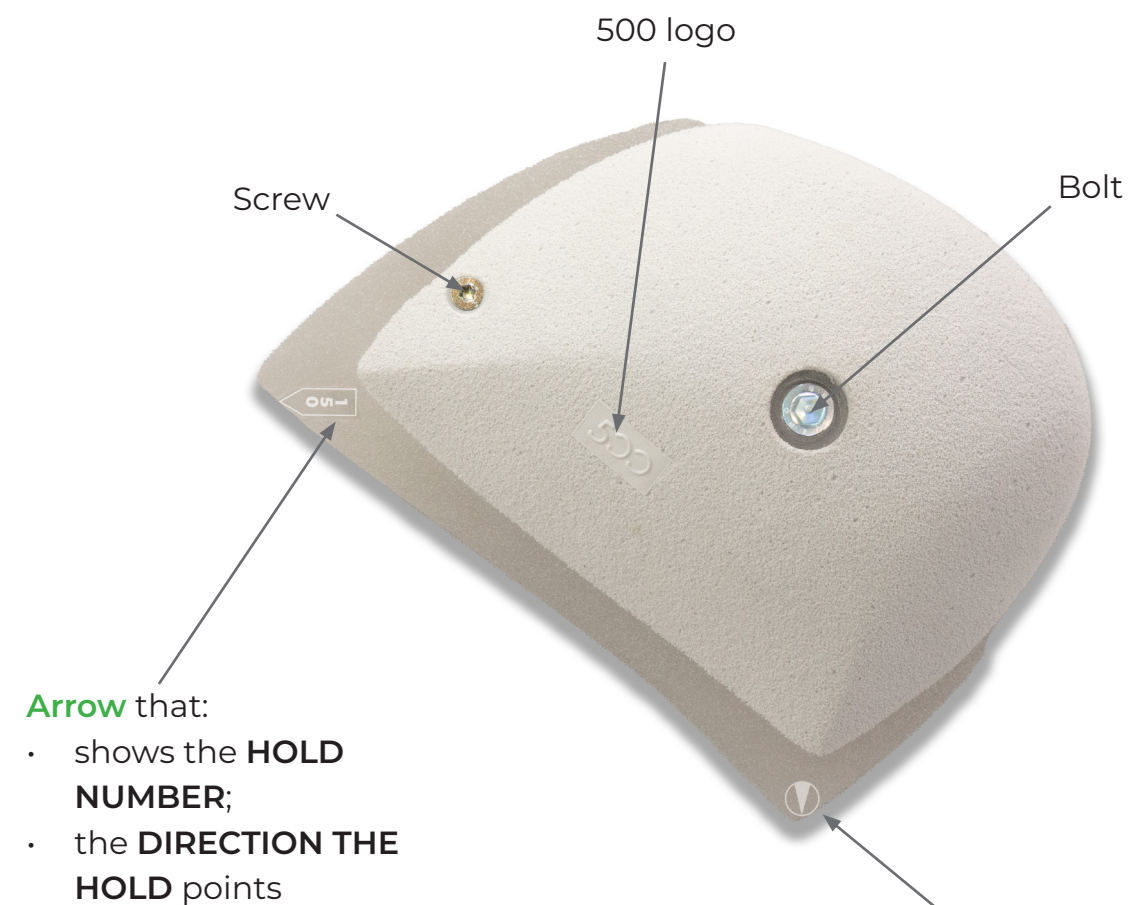
❗ If the hold is pointing South, there will be only one line on the board and one indicator on the hold.

## THE INDICATORS ON THE HOLDS WITH BOLTS

We wanted to make the setting of the board as easy as possible but also make sure that all the holds are pointing in the correct direction.

This is why each hold has 2 indicators:

- The "500" logo
- **Arrow** which shows the number of the hold and points to the direction of the hold.



In the example on the next page you will see how to align the holds with the lines on the board.



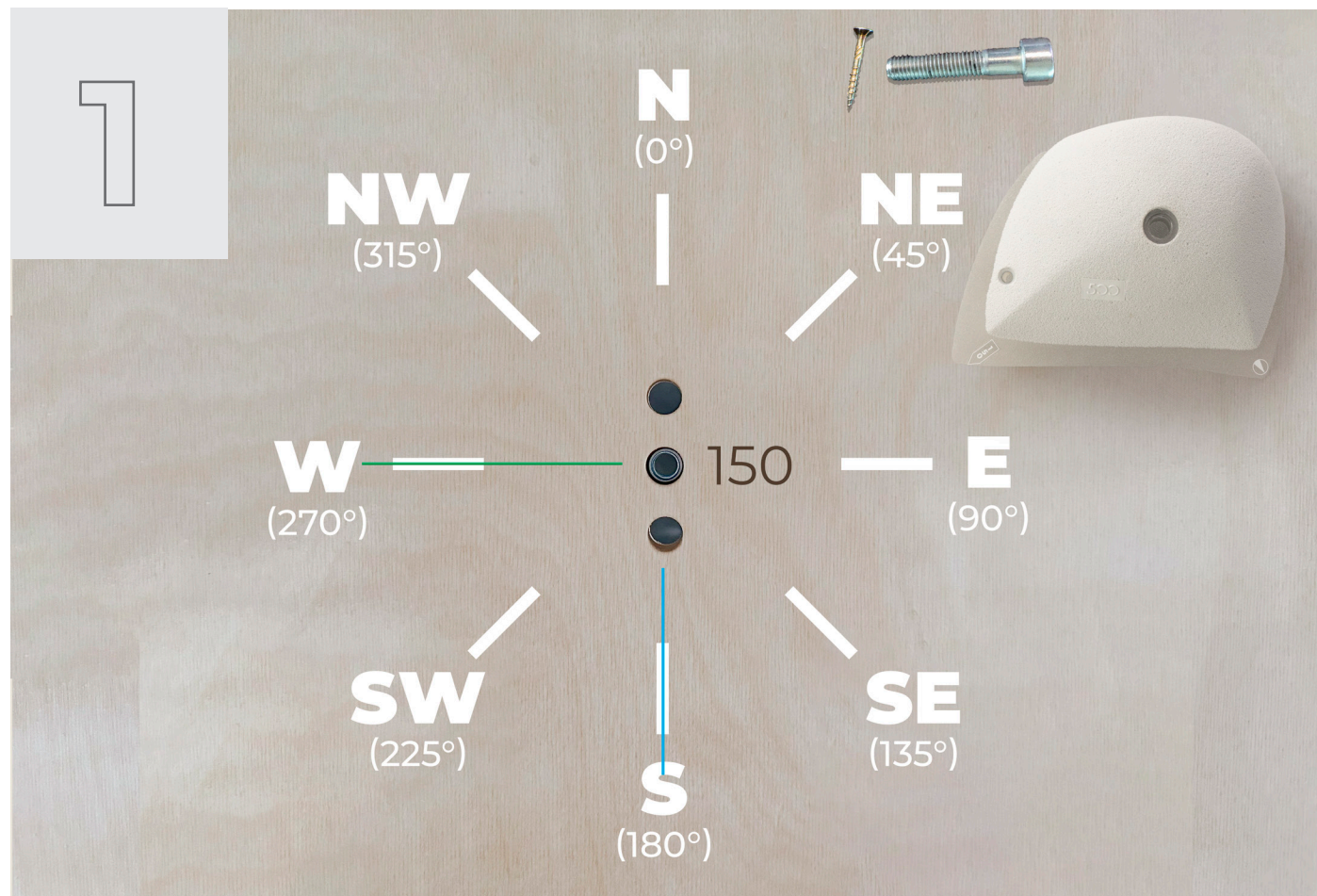
# 2. Climbing holds

## Example 1

### HOW TO SET HOLDS WITH BOLTS

Each hold has a specific position on the board. Find the position of the hold in **Table 1**.

Once you find it in the table, locate the hold on the board. In this example we will be using hold 150.



The first thing to do is find hold 150 in **Table 1**. Hold 150 is placed two times on the board. I decide to put it first on panel 1 and I see that it says 150 W in the table. This means that hold 150 is pointing West. I find the engraved number of the hold on the board - 150 and can see that **Line 2** is pointing West.



Take the hold and put a bolt inside it, then place it on the board.



Align **Arrow** with **Line 1**.



4



Screw on the bolt and then screw on the screw.

5



It's ready. Hold 150 W is aligned and placed properly on the board.

## 2. Climbing holds

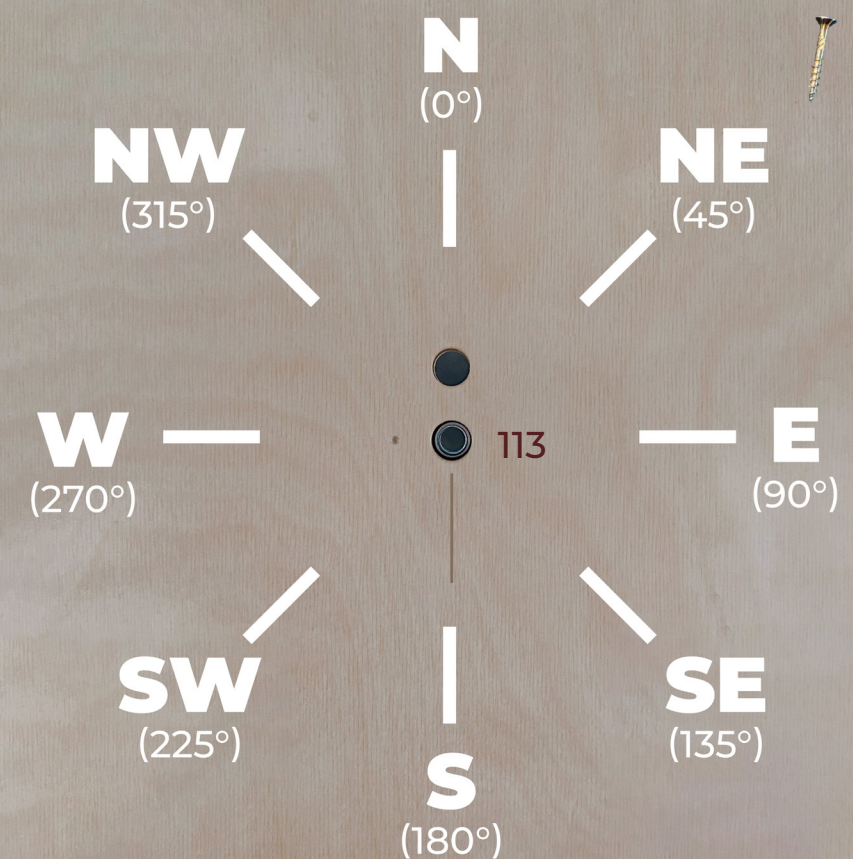
### Example 2

#### HOW TO SET HOLDS WITHOUT BOLTS?

Each hold has a specific position on the board. Find the position of the position of the hold in **Table 1**.

Once you find it in the table, locate the hold on the board. In this example we will be using hold 113.

1



The first thing to do is to find hold 113 in **Table 1**.

Hold 113 is placed only once on the board and I can see that in **Table 1**. It's 113 S which means that the hold is pointing South. Therefore there will be only one indicator on the board and on the hold.





Because the hold has no bolt, we have engraved an additional dot on the board. This will make screwing on the hold easier.

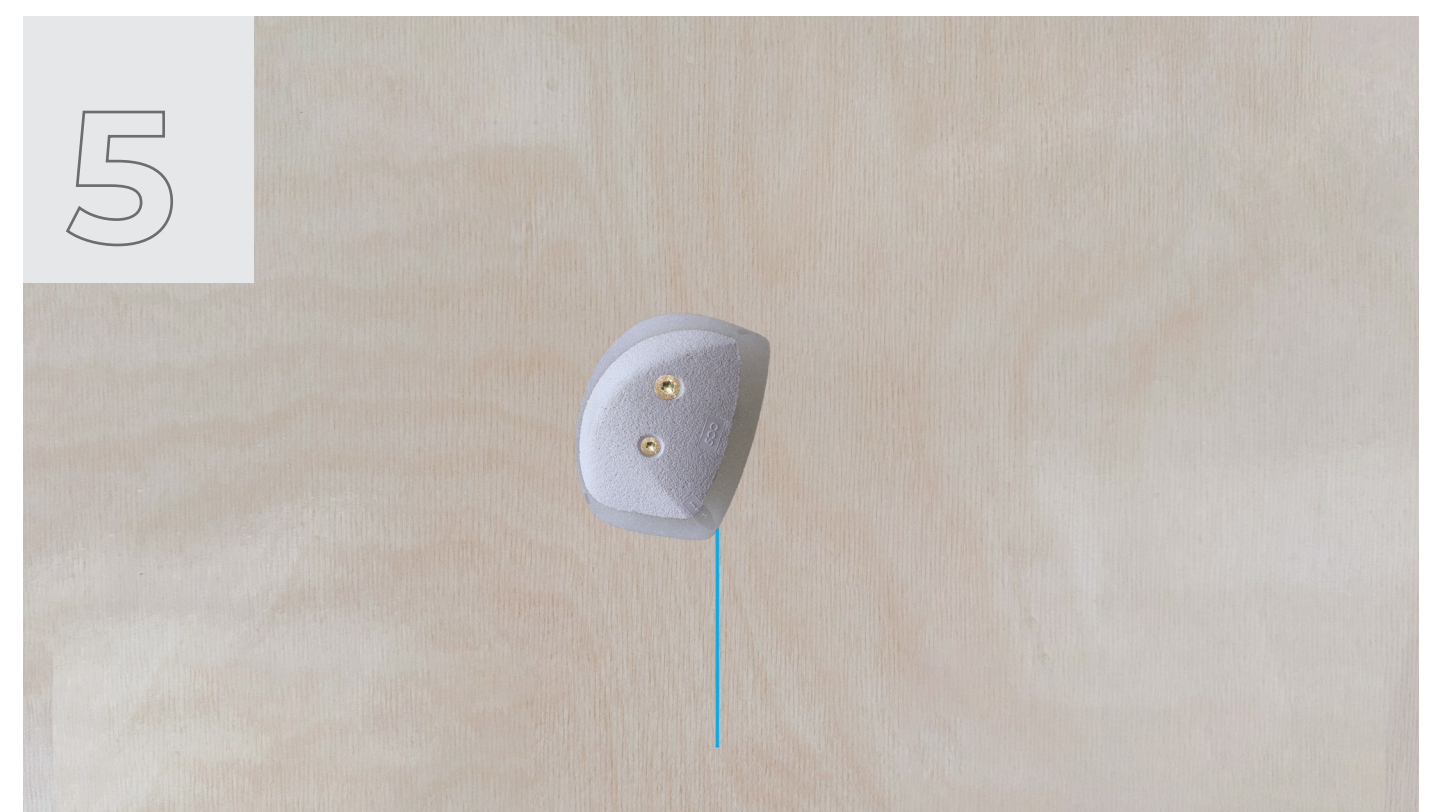


You take the hold. Put the screw inside in the hole left to the 500 logo and position the screw on the dot.



Align **Arrow** with **Line 1** and screw in the screw.

Line 3



Put a second screw in and you're ready.



# 2. Climbing holds

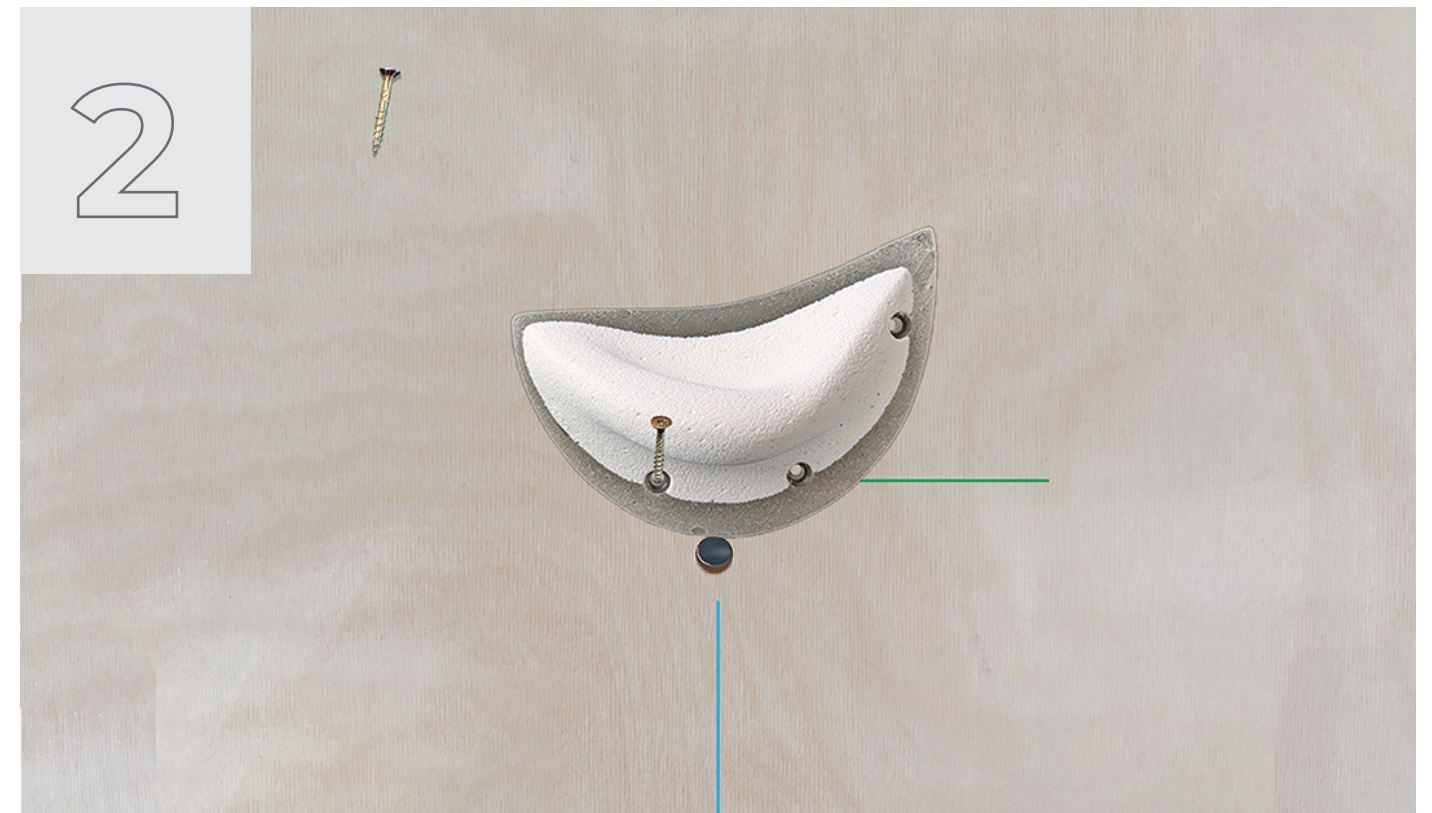
## Exceptions

### EXCEPTIONS — HOLD 282

This is how to set hold 282 on the board. This hold is an exception. There are only two exceptions with holds on the entire board.



Hold 282 is pointing East. Because the hold has no bolt, we have engraved an additional dot on the board. This will make screwing on the hold easier.



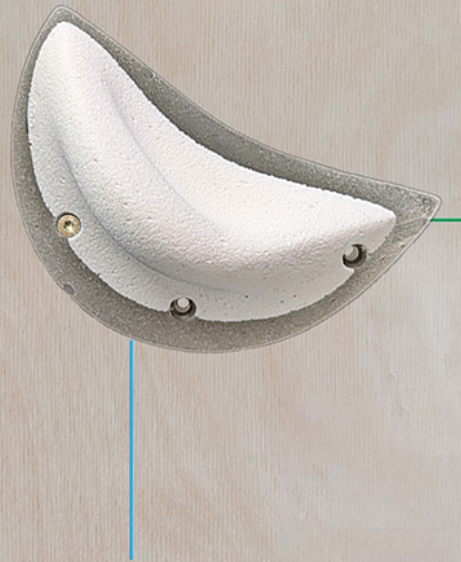
You take the hold. Put the screw inside in the hole as shown above.



Align the **Arrow** with **Line 1** which is pointing East.

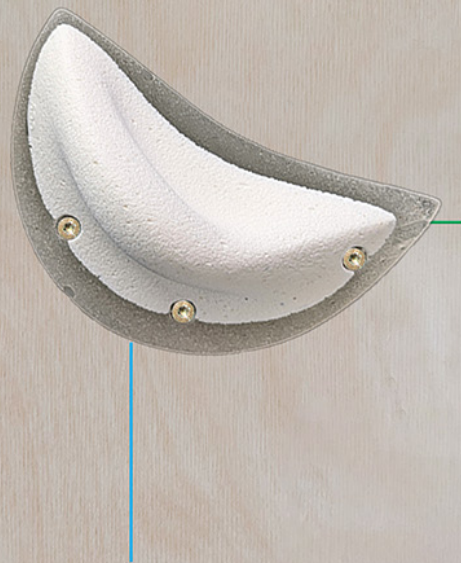


4



When its aligned screw it in and then add two more screws.

5



This is what the hold should look like in the end.

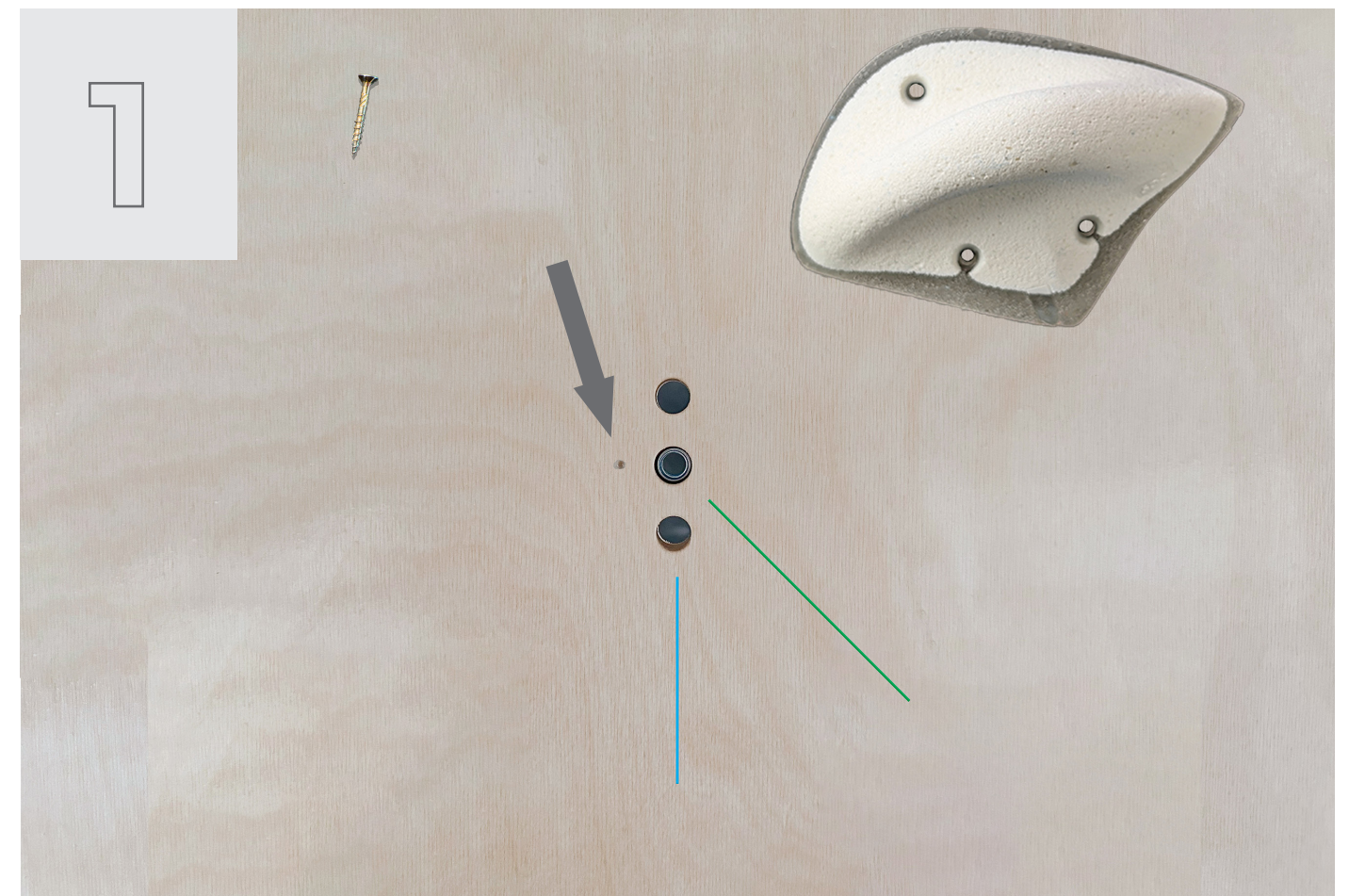
## 2. Climbing holds

### Exceptions

#### EXCEPTIONS — HOLD 294

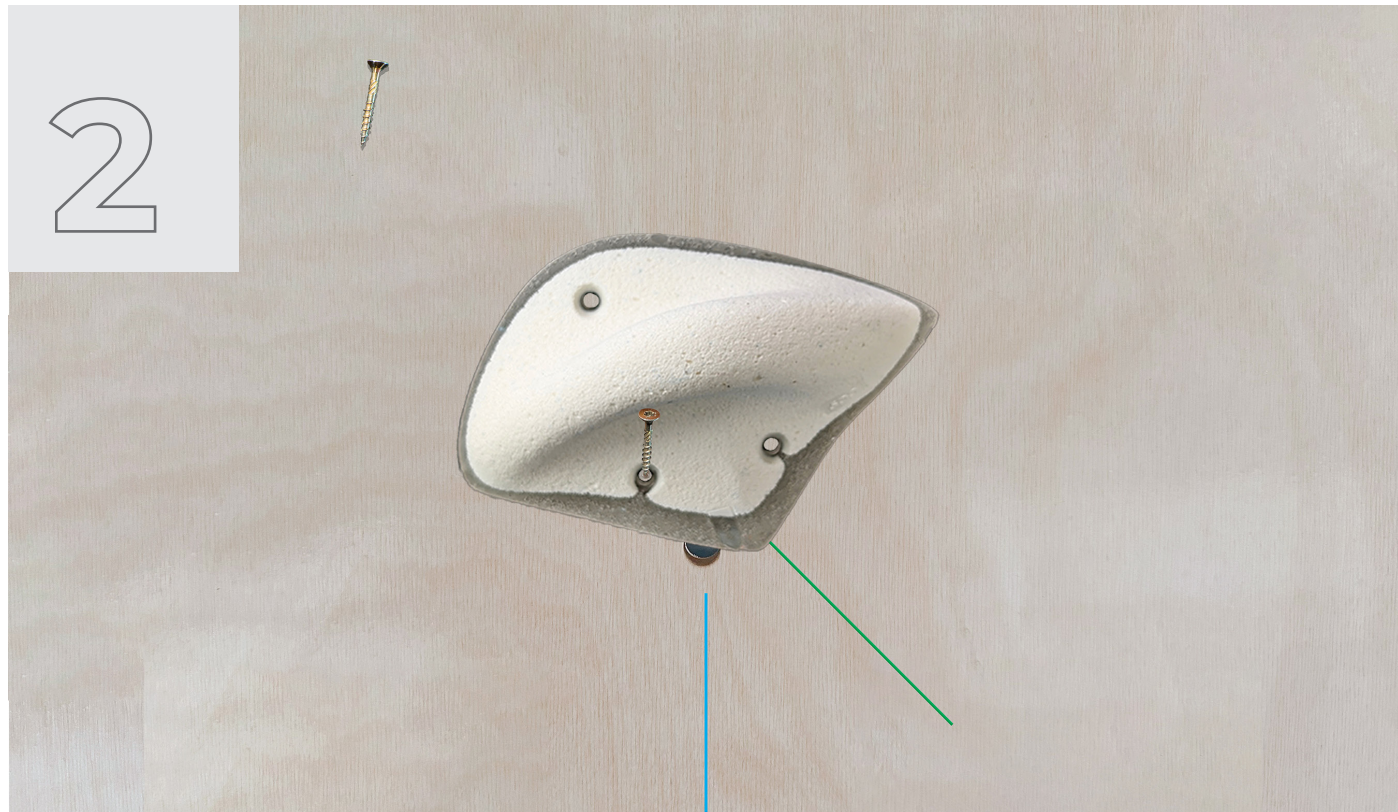
This is how to set hold 294 on the board.

1



Hold 294 is pointing South East. Because the hold has no bolt, we have engraved an additional dot on the board. This will make screwing on the hold easier.

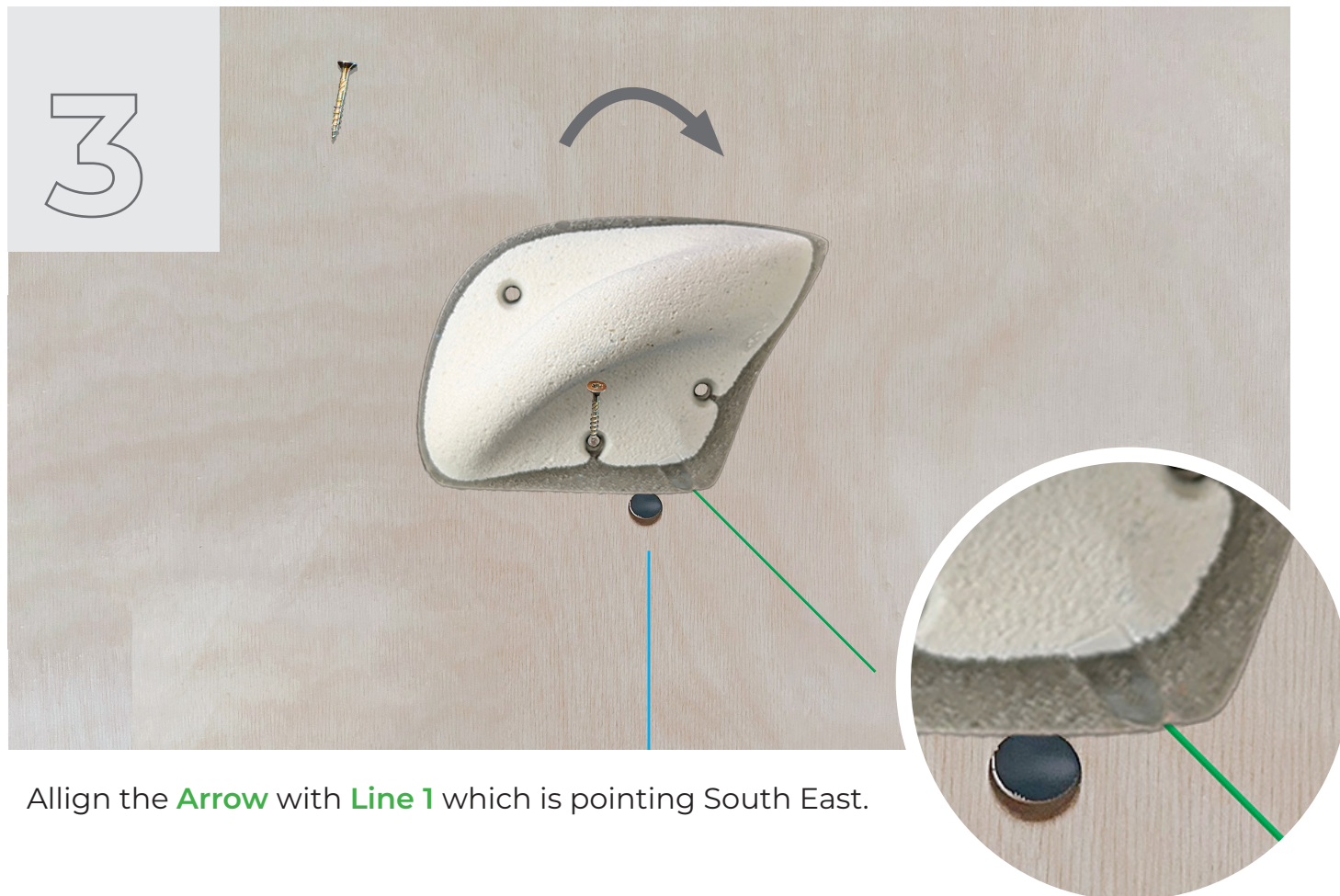




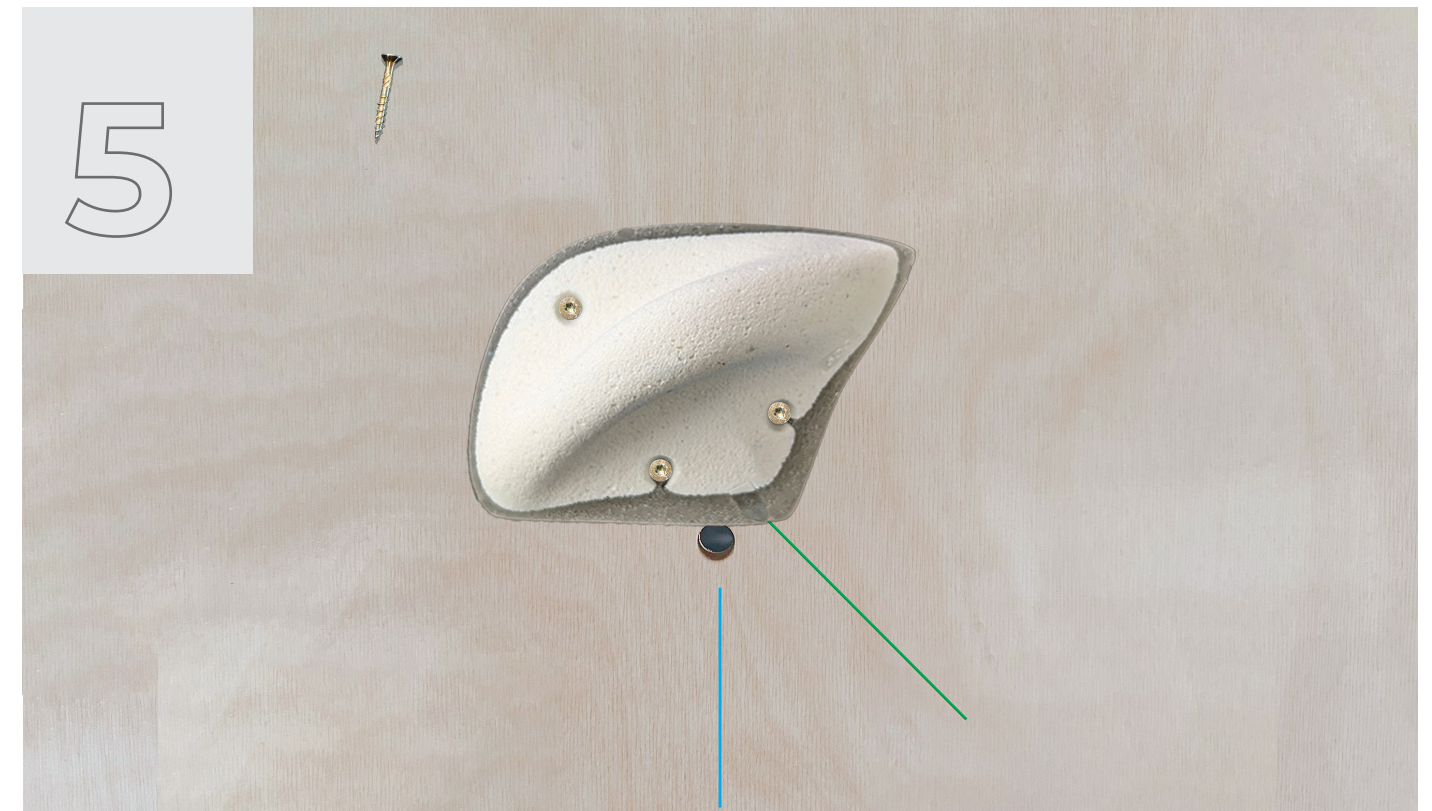
You take the hold. Put the screw inside in the hole as shown above.



When its alligned screw it in.



Align the **Arrow** with **Line 1** which is pointing South East.



Add two more screws and you are ready.



Table 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		xx		519 W		x		003 SW		xx		152 SW		303 E		xx		x		440 NE		502 SE		365 S		166 S		214 SE
2	524 SW		102 E		xx		356 SW		507 E		452 SE		281 SW		390 NW		492 SE		339 SW		xx		019 SE		x		249 SW	
3		225 SE		046 W		247 SE		xx		002 SW		393 S		245 NE		327 SE		xx		251 SW		348 NW		521 SW		362 NE		365 S
4	312 SW		212 W		496 SW		042 SW		304 W		431 SW		356 NW		342 S		417 NW		404 SW		422 SE		112 SE		326 SW		489 SE	
5		454 SW		352 E		436 N		332 NW		238 SE		029 SW		xx		002 SW		510 SE		140 SE		327 SE		413 S		437 SE		282 E
6	007 SW		133 W		384 SW		334 SW		301 SE		096 S		493 SW		098 E		321 SE		218 W		255 S		487 SE		457 NE		404 S	
7		446 S		177 W		499 SW		223 E		287 NE		xx		181 SW		213 SE		146 SW		137 N		291 SE		x		151 SW		504 SW
8	280 SE		375 N		107 N		050 SE		208 NW		110 E		351 NW		184 SW		105 SE		465 W		250 W		412 SE		347 SE		xx	
9		095 SE		270 S		354 NE		522 SW		129 SW		409 S		003 SW		443 E		424 SE		101 N		027 S		286 S		026 SE		229 SE
10	294 SE		335 S		147 SE		xx		026 S		386 W		310 S		106 W		021 S		302 S		262 SE		506 SW		433 E		420 S	
11		002 SW		299 W		349 S		414 SW		330 E		277 NW		188 SE		xx		497 W		450 SW		099 SW		043 S		180 S		211 E
12	483 SW		518 SE		276 NE		158 SW		425 SE		528 S		297 S		503 NE		263 NW		005 S		379 NE		182 E		134 NE		389 NE	
13		007 S		x		449 E		311 SE		053 N		135 SE		124 SW		012 SE		486 SW		481 S		345 S		501 SE		371 NW		039 S
14	237 S		355 SE		478 W		288 W		434 SW		401 N		498 S		421 NE		190 SE		013 SE		009 SW		130 E		048 SE		473 E	
15		017 S		107 SW		199 SW		023 S		494 S		244 E		405 S		400 NE		309 SW		292 SW		241 E		319 S		407 W		161 NW
16	187 E		383 S		336 S		267 SW		062 NW		189 E		477 SE		300 S		427 S		284 SW		064 SE		458 N		476 NE		201 W	
17		455 SW		141 S		145 S		038 W		394 SE		010 SE		121 E B		xx		185 SW		317 W		065 SE		398 SW		037 SW		033 S
18	495 SE		252 S		333 S		346 N		423 SW		378 NE		150 W		505 E		370 NW		008 SW		260 S		175 S		274 NE		516 SW	
19		006 SE		202 SE		216 S		007 S		164 SE		243 SE		160 S		200 NW		337 NE		256 W		361 N		469 SW		x		198 SW
20	296 S		491 S		234 N		272 NE		482 S		367 SE		360 E		024 S		010 SE		320 S		171 NW		001 S		527 NE		008 SW	
21		203 E		154 SW		418 N		153 SE		191 S		313 S		018 NE		344 SW		358 S		228 S		004 S		230 NW		268 E		323 S
22	490 S		331 NW		x		x		136 S		410 S		316 NE		116 N		197 SE		081 SE		093 SW		328 SE		242 S		231 E	
23		114 SE		012 E		271 S		416 SW		431 SW		142 SE		186 S		426 SE		318 SW		285 N		240 S		225 E 9cm		x		085 E
24	x		022 SW		x		x		120 S		209 S		439 S		411 S		x		205 E		128 S		204 SE		442 N		515 S	
25		279 SW		266 W		381 NW		248 S		045 W		308 S		022 SW		385 W		498 N		047 SE		xx		454 E		x		411 NW
26	x		406 NE		021 SE		168 SE		xx		x		408 N		207 NW		058 W B		377 E		172 SE		513 N		278 S		173 S	
27		392 N		x		014 N		170 S		523 NW		x		x		139 NW		x		520 S		x		x		126 N		x
28	x		014 S		183 NW		x		x		x		x		169 NE		513 W		222 SE		x		261 NE		x		x	
29	132 W		099 N		117 S		059 S		005 E		060 SE		083 N		123 N		106 N		089 NE		097 SE		072 S		020 NE		030 NE	
30		x		x		079 E		056 E		080 SW		061 N		113 S		073 N		088 SW		075 NE		077 N		074 N		091 E		131 NW
31	055 N		078 N		138 W		057 E		092 W		125 E		087 SW		049 N		076 SE		031 NE		063 S		084 E		122 SW		051 E	

3.

Routesetting

QUICK & EASY

TOP PANEL

## HOW TO SET EVERYTHING IN NO TIME?

The fastest and most efficient way to route set is by sorting the holds for each panel.

To make this easier, we’ve prepared a list of all holds organized by panel.

We will divide the board into 4 visual panels: top, middle, bottom and kick plate.

Separate the holds into these 4 piles.

### Panels Scheme

	xx		519 W		x		003 SW		xx		152 SW		303 E		xx		x		440 NE		502 SE		365 S		166 S		214 SE
524 SW		102 E		xx		356 SW		507 E		452 SE		281 SW		390 NW		492 SE		339 SW		xx		019 SE		x		249 SW	
	225 SE		046 W		247 SE		xx		002 SW		393 S		245 NE		327 SE		xx		251 SW		348 NW		521 SW		362 NE		365 S
312 SW		212 W		496 SW		042 SW		304 W		431 SW		356 NW		342 S		417 NW		404 SW		422 SE		112 SE		326 SW		489 SE	
	454 SW		352 E		436 N		332 NW		238 SE		029 SW		xx		002 SW		510 SE		140 SE		327 SE		413 S		437 SE		282 E
007 SW		133 W		384 SW		334 SW		301 SE		096 S		493 SW		098 E		321 SE		218 W		255 S		487 SE		457 NE		404 S	
	446 S		177 W		499 SW		223 E		287 NE		xx		181 SW		213 SE		146 SW		137 N		291 SE		x		151 SW		504 SW
280 SE		375 N		107 N		050 SE		208 NW		110 E		351 NW		184 SW		105 SE		465 W		250 W		412 SE		347 SE		xx	
	095 SE		270 S		354 NE		522 SW		129 SW		409 S		003 SW		443 E		424 SE		101 N		027 S		286 S		026 SE		229 SE
294 SE		335 S		147 SE		xx		026 S		386 W		510 S		106 W		501 S		302 S		362 SE		506 SW		433 E		420 S	
	002 SW		299 W		349 S		404 SW		330 E		277 NW		188 SE		xx		497 W		450 SW		099 SW		043 S		180 S		211 E
483 SW		518 SE		276 NE		158 SW		425 SE		528 S		297 S		503 NE		263 NW		005 S		379 NE		182 E		134 NE		389 NE	
	007 S		x		449 E		311 SE		053 N		135 SE		124 SW		012 SE		486 SW		481 S		345 S		501 SE		371 NW		039 S
237 S		355 SE		478 W		288 W		434 SW		401 N		408 S		421 NE		190 SE		013 SE		009 SW		130 E		048 SE		473 E	
	017 S		107 SW		199 SW		023 S		494 S		244 E		405 S		400 NE		309 SW		250 SW		241 E		319 S		407 W		161 NW
187 E		383 S		336 S		267 SW		062 NW		189 E		477 SE		300 S		427 S		284 SW		064 SE		458 N		476 NE		201 W	
	455 SW		141 S		145 S		038 W		314 SE		010 SE		121 E B		xx		185 SW		317 W		065 SE		398 SW		037 SW		033 S
495 SE		252 S		333 S		346 N		423 SW		378 NE		150 W		505 E		370 NW		008 SW		260 S		175 S		274 NE		516 SW	
	006 SE		202 SE		216 S		007 S		164 SE		243 SE		160 S		200 NW		337 NE		256 W		361 N		449 SW		x		198 SW
296 S		491 S		234 N		272 NE		482 S		367 SE		360 E		024 S		010 SE		320 S		171 NW		001 S		527 NE		308 SW	
	203 E		154 SW		418 N		153 SE		191 S		313 S		018 NE		344 SW		358 S		228 S		004 S		230 NW		368 E		323 S
480 S		331 NW		x		x		136 S		440 S		316 NE		116 N		197 SE		081 SE		093 SW		338 SE		242 S		231 E	
	114 SE		012 E		271 S		416 SW		431 SW		142 SE		186 S		426 SE		318 SW		285 N		240 S		225 E 8cm		x		085 E
	x		022 SW		x		x		120 S		209 S		439 S		401 S		x		205 E		128 S		204 SE		442 N		515 S
	279 SW		266 W		381 NW		248 S		045 W		308 S		022 SW		385 W		408 N		047 SE		xx		454 E		x		411 NW
	x		406 NE		021 SE		168 SE		xx		x		408 N		307 NW		058 W B		377 E		172 SE		513 N		278 S		173 S
	392 N		x		014 N		170 S		523 NW		x		x		139 NW		x		520 S		x		x		126 N		x
	x		014 S		183 NW		x		x		x		x		169 NE		513 W		222 SE		x		261 NE		x		x
132 W		099 N		177 S		059 S		005 E		060 SE		083 N		123 N		106 N		089 NE		097 SE		072 S		020 NE		030 NE	
	x		x		079 E		056 E		080 SW		061 N		113 S		073 N		088 SW		075 NE		077 N		074 N		091 E		131 NW
055 N		078 N		138 W		037 E		052 W		125 E		087 SW		049 N		076 SE		031 NE		063 S		084 E		122 SW		051 E	

	xx		519 W		x		003 SW		xx		152 SW		303 E		xx		x		440 NE		502 SE		365 S		166 S		214 SE
524 SW		102 E		xx		356 SW		507 E		452 SE		281 SW		390 NW		492 SE		339 SW		xx		019 SE		x		249 SW	
	225 SE		046 W		247 SE		xx		002 SW		393 S		245 NE		327 SE		xx		251 SW		348 NW		521 SW		362 NE		365 S
312 SW		212 W		496 SW		042 SW		304 W		431 SW		356 NW		342 S		417 NW		404 SW		422 SE		112 SE		326 SW		489 SE	
	454 SW		352 E		436 N		332 NW		238 SE		029 SW		xx		002 SW		510 SE		140 SE		327 SE		413 S		437 SE		282 E
007 SW		133 W		384 SW		334 SW		301 SE		096 S		493 SW		098 E		321 SE		218 W		255 S		487 SE		457 NE		404 S	
	446 S		177 W		499 SW		223 E		287 NE		xx		181 SW		213 SE		146 SW		137 N		291 SE		x		151 SW		504 SW
280 SE		375 N		107 N		050 SE		208 NW		110 E		351 NW		184 SW		105 SE		465 W		250 W		412 SE		347 SE		xx	
	095 SE		270 S		354 NE		522 SW		129 SW		409 S		003 SW		443 E		424 SE		101 N		027 S		286 S		026 SE		229 SE

### Top Panel

Top Left panel list of all the holds —

2	101	208	301	393	502
2	102	212	303	404	504
3	105	213	304	404	507
3	107	214	312	409	510
7	110	218	321	412	519
19	112	223	326	413	521
26	129	225	327	417	522
27	133	229	327	422	524
29	137	238	332	424	
42	140	245	334	431	
46	146	247	339	436	
50	151	249	342	437	
95	152	250	347	440	
96	166	251	348	443	
98	177	255	351	446	
	181	270	352	452	
	184	280	354	454	
		281	356	457	
		282	356	465	
		286	362	487	
		287	365	489	
		291	365	492	
			375	493	
			384	496	
			390	499	

Total  
112 holds





# 3. Routesetting

## QUICK & EASY

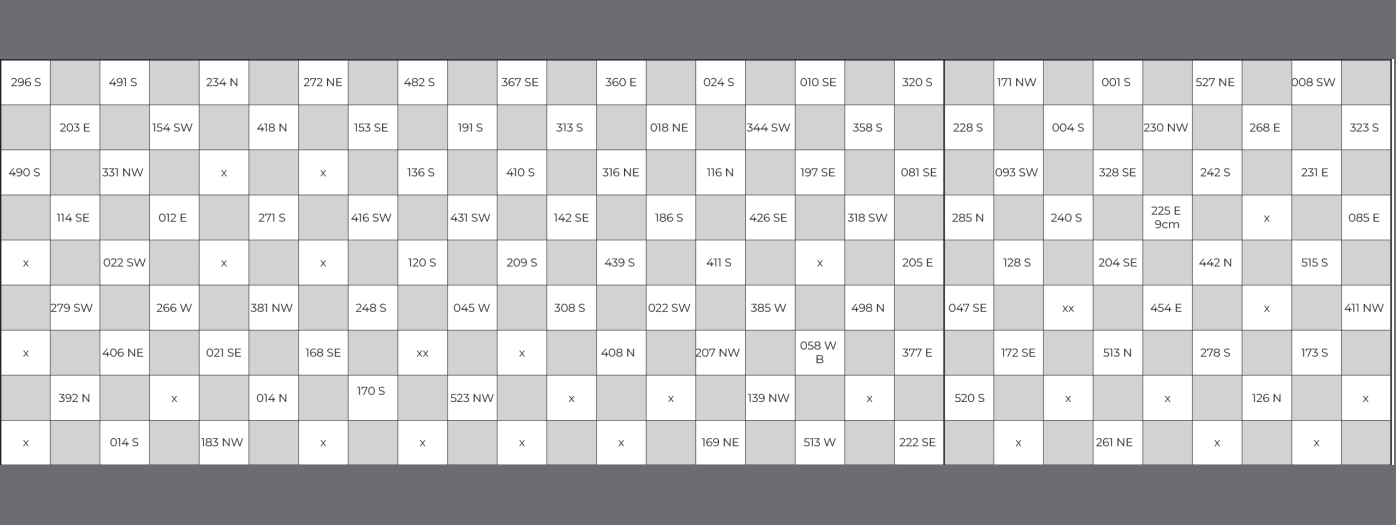
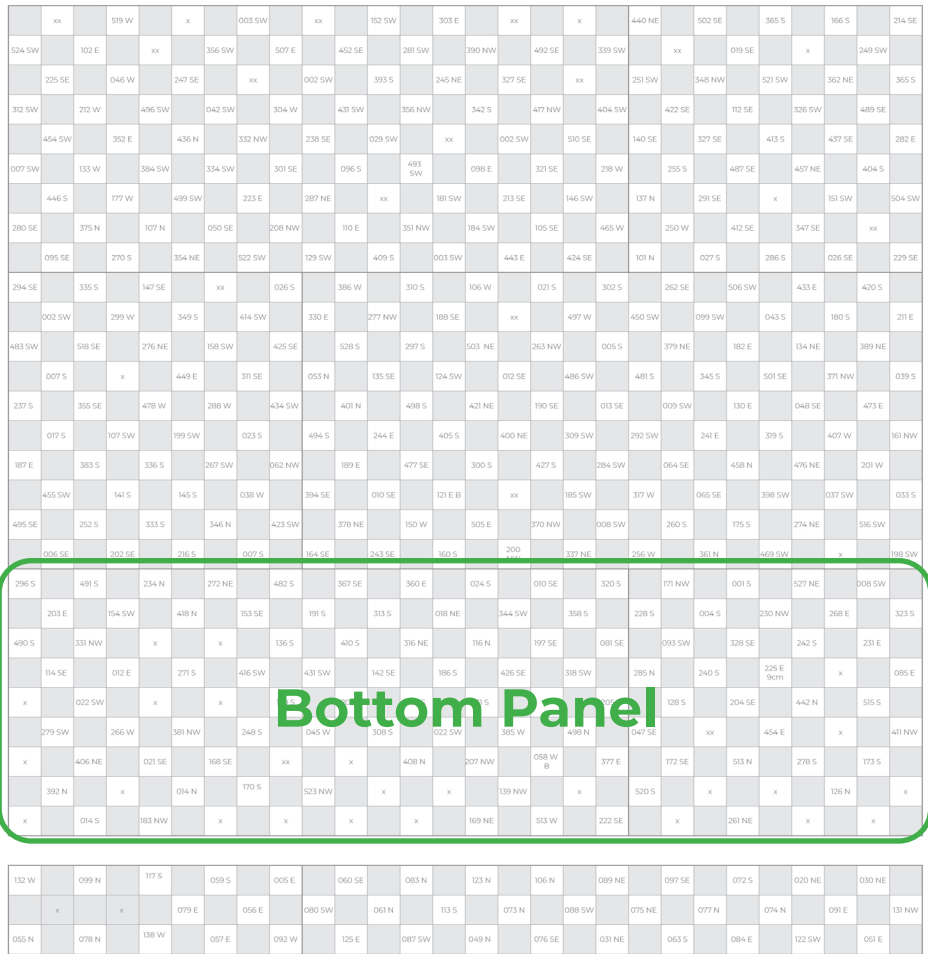
### BOTTOM PANEL

## HOW TO SET EVERYTHING IN NO TIME?

The fastest and most efficient way to route set is by sorting the holds for each panel. To make this easier, we’ve prepared a list of all holds organized by panel.

We will divide the board into 4 visual panels: top, middle, bottom and kick plate. Separate the holds into these 4 piles.

## Panels Scheme



## Bottom Panel

Bottom Panel list of all the holds —

1	114	203	308	406	513
4	116	204	313	408	513
8	120	205	316	410	515
10	126	207	318	411	520
12	128	209	320	411	523
14	136	222	323	416	527
14	139	225	328	418	
18	142	228	331	426	
21	153	230	344	431	
22	154	231	358	439	
22	168	234	360	442	
24	169	240	367	454	
45	170	242	377	482	
47	171	248	381	490	
58	172	261	385	491	
81	173	266	392	498	
85	183	268			
93	186	271			
	191	272			
	197	278			
		279			
		285			
		296			

Total  
99 holds

3.

Routesetting

QUICK & EASY

KICK PLATE

## HOW TO SET EVERYTHING IN NO TIME?

The fastest and most efficient way to route set is by sorting the holds for each panel. To make this easier, we’ve prepared a list of all holds organized by panel.

The board is divided into 12 panels: 8 main panels, along with 2 kickboard panels and 2 side panels. You’ll find the panel scheme that we’ll be referring to bellow.

### Panels Scheme

	xx		519 W		x		003 SW		xx		152 SW		303 E		xx		x		440 NE		502 SE		365 S		166 S		214 SE
524 SW		102 E		xx		356 SW		507 E		452 SE		281 SW		390 NW		492 SE		339 SW		xx		019 SE		x		349 SW	
	225 SE		046 W		247 SE		xx		002 SW		393 S		245 NE		327 SE		xx		251 SW		348 NW		521 SW		362 NE		365 S
312 SW		212 W		496 SW		042 SW		304 W		431 SW		356 NW		342 S		477 NW		404 SW		422 SE		112 SE		326 SW		489 SE	
	454 SW		352 E		436 N		332 NW		238 SE		029 SW		xx		002 SW		510 SE		140 SE		327 SE		413 S		437 SE		282 E
007 SW		133 W		394 SW		354 SW		301 SE		096 S		495 SW		098 E		321 SE		218 W		255 S		487 SE		407 NE		404 S	
	446 S		177 W		499 SW		223 E		287 NE		xx		181 SW		213 SE		146 SW		137 N		291 SE		x		151 SW		504 SW
280 SE		375 N		107 N		050 SE		308 NW		110 E		351 NW		184 SW		105 SE		465 W		250 W		412 SE		347 SE		xx	
	095 SE		270 S		354 NE		152 SW		129 SW		409 S		003 SW		443 E		424 SE		151 N		027 S		286 S		026 SE		229 SE
294 SE		335 S		147 SE		xx		026 S		386 W		310 S		106 W		021 S		302 S		262 SE		506 SW		433 E		420 S	
	002 SW		299 W		349 S		414 SW		330 E		277 NW		188 SE		xx		497 W		450 SW		099 SW		043 S		180 S		211 E
483 SW		518 SE		276 NE		158 SW		425 SE		528 S		297 S		503 NE		263 NW		005 S		379 NE		182 E		134 NE		389 NE	
	007 S		x		449 E		311 SE		053 N		135 SE		124 SW		012 SE		486 SW		481 S		345 S		501 SE		371 NW		039 S
237 S		355 SE		478 W		288 W		434 SW		401 N		498 S		421 NE		190 SE		013 SE		009 SW		130 E		048 SE		473 E	
	017 S		107 SW		199 SW		023 S		494 S		244 E		405 S		400 NE		309 SW		290 SW		241 E		319 S		407 W		161 NW
187 E		383 S		336 S		267 SW		062 NW		189 E		477 SE		300 S		427 S		284 SW		064 SE		458 N		476 NE		201 W	
	455 SW		141 S		145 S		038 W		394 SE		010 SE		121 E B		xx		185 SW		317 W		065 SE		398 SW		037 SW		033 S
495 SE		252 S		333 S		346 N		423 SW		378 NE		150 W		505 E		370 NW		508 SW		260 S		175 S		274 NE		516 SW	
	006 SE		202 SE		216 S		007 S		164 SE		243 SE		160 S		200 NW		337 NE		256 W		361 N		469 SW		x		198 SW
296 S		491 S		234 N		272 NE		482 S		367 SE		360 E		024 S		010 SE		320 S		171 NW		001 S		527 NE		308 SW	
	203 E		154 SW		418 N		153 SE		191 S		313 S		018 NE		344 SW		358 S		228 S		004 S		230 NW		368 E		323 S
490 S		331 NW		x		x		136 S		410 S		316 NE		116 N		197 SE		081 SE		093 SW		338 SE		242 S		231 E	
	114 SE		012 E		271 S		416 SW		431 SW		142 SE		186 S		426 SE		318 SW		285 N		240 S		225 E 80%		x		085 E
	x		022 SW		x		x		120 S		208 S		439 S		411 S		x		205 E		128 S		204 SE		442 N		515 S
279 SW		266 W		381 NW		248 S		045 W		308 S		022 SW		385 W		408 N		047 SE		xx		454 E		x		411 NW	
	x		406 NE		021 SE		168 SE		xx		x		408 N		207 NW		058 W B		377 E		172 SE		513 N		278 S		173 S
	392 N		x		014 N		170 S		523 NW		x		x		139 NW		x		520 S		x		x		126 N		x
	x		014 S		183 NW		x		x		x		x		169 NE		513 W		222 SE		x		261 NE		x		x

132 W		099 N		117 S		059 S		005 E		060 SE		083 N		123 N		106 N		089 NE		097 SE		072 S		020 NE		030 NE
	x		x		079 E		056 E		080 SW		113 S		075 NE		077 N		074 N		091 E							131 NW
055 N		078 N		138 W		057 E		092 W		125 E		087 SW		049 N		076 SE		031 NE		063 S		084 E		122 SW		051 E

Kick Plate

132 W		099 N		117 S		059 S		005 E		060 SE		083 N		123 N		106 N		089 NE		097 SE		072 S		020 NE		030 NE
	x		x		079 E		056 E		080 SW		113 S		075 NE		077 N		074 N		091 E							131 NW
055 N		078 N		138 W		057 E		092 W		125 E		087 SW		049 N		076 SE		031 NE		063 S		084 E		122 SW		051 E

## Kick Plate

List of all the holds —

5	61	83	117
20	63	84	122
30	72	87	123
31	73	88	125
49	74	89	131
51	75	91	132
55	76	92	138
56	77	97	
57	78	99	
59	79	106	
60	80	113	

Total  
40 holds



# 4. Controller Set Up

## PARTS & INSTRUCTIONS

### LED CONTROLLER PARTS

After placing all of the holds, the next step is to set up the LEDs and the control box and then connect to the eWalls app.

In order to light up the whole board you have to connect 4 lines of LED string cables to a control box, which will then be connected to the power.

For the set up of the LEDs you will need the following parts:



LED Controller  
(1x)



Power Cable  
(1x)



dividing cable  
(3x)



extension cable  
(4x)



LED Strings  
(10x)

### CONNECTING CABLES

Male End



little pin

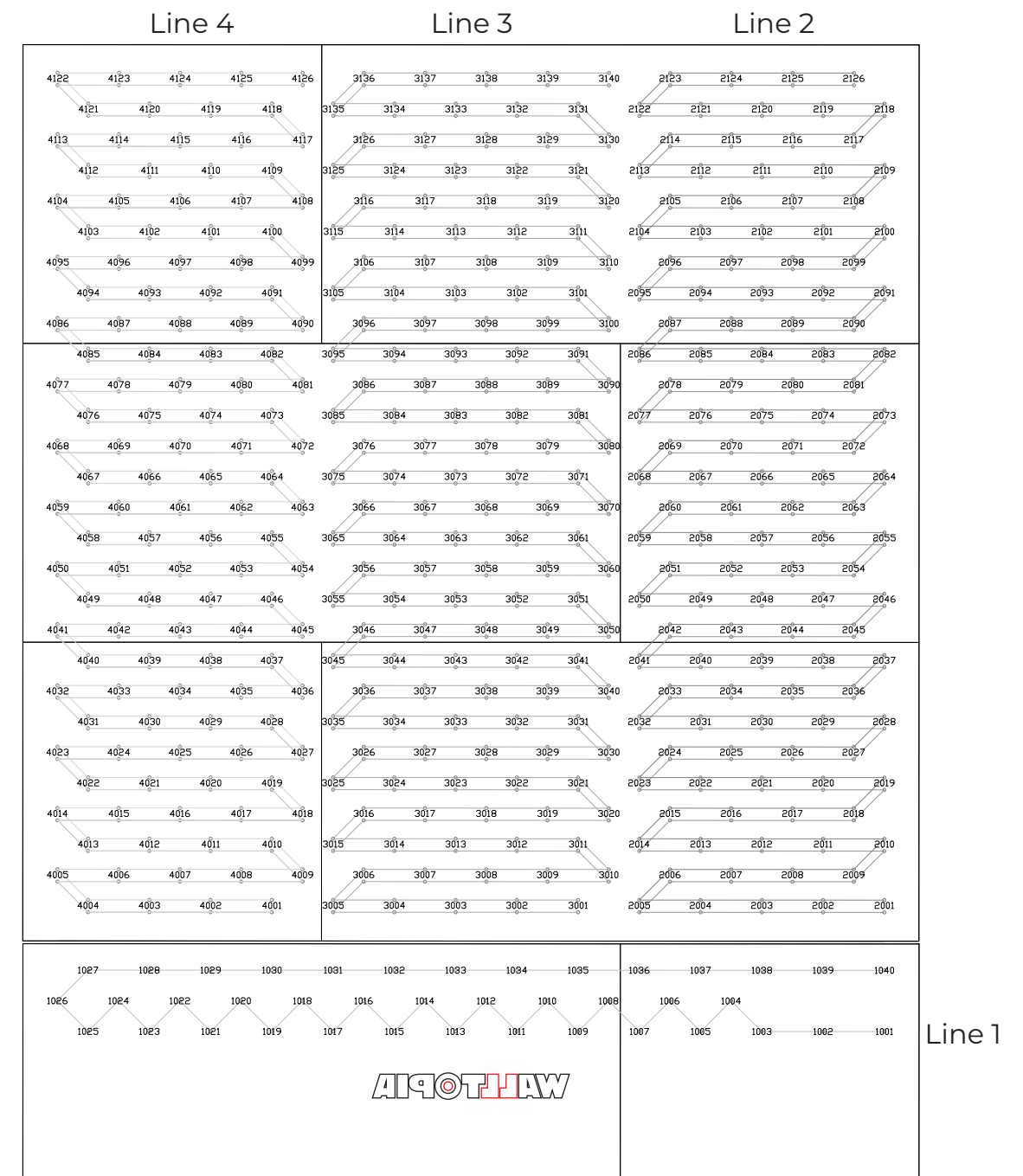
Female End



❗ All of the cables have two different types of outlets: one male and one female. It's easiest to connect them when you first indicate the little pin inside the male end and match it to the female end.

### LED DIAGRAM

This is the diagram of the LEDs that you will use to install them. You will also find it in the attached files. As you can see there are 4 lines.



Line 1 is the only line that has just one LED per hold. All the other lines 2,3 and 4 have two LEDs and you will need to use a dividing cable at the start of the line.

❗ Each LED has a specific position it's very important that you DO NOT miss LEDs on the line. If you do, you have to go back and put in the LED.



# 4. Controller Set Up

## Example 1

### Line 1

1



This is the Quantum Board 12x12 LED Controller Box. It has 4 lines that you have to connect with cables to it. In this example we will show you how to connect Line 1.

2



First we take the LED Controller Box from Step 1 and an extension cable, labeled "Line 1 Start".

3



All of the cables have two different types of outlets: one male and one female.

4



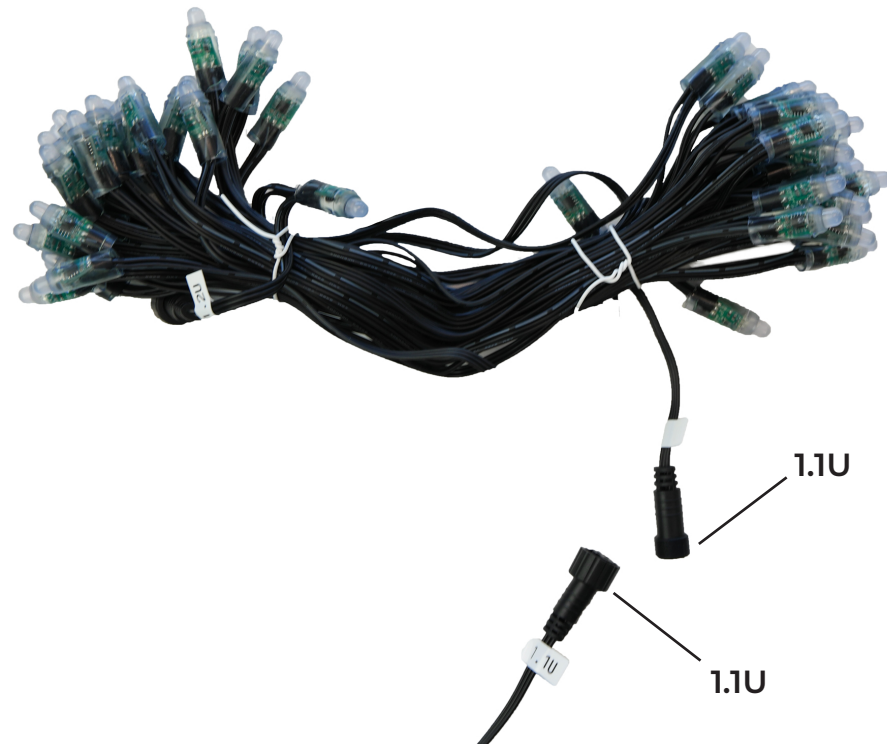
Control Box

Extension Cable  
Line 1 Start

Connect the male end of the extension cable, labeled "Line 1 Start" to the first outlet in the LED Control Box.

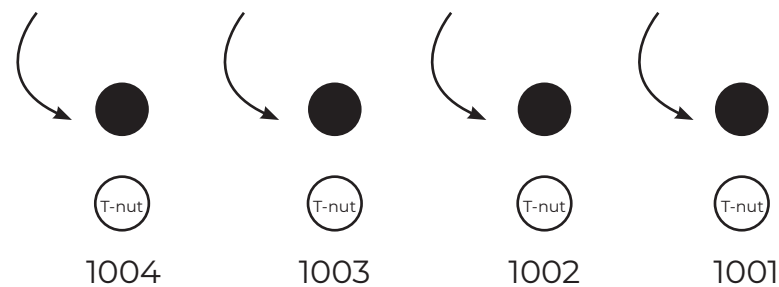


5



The LED Strips have two ends as well, one of them is labeled 1.1 U and has to be connected to the extension cable. You will need just one LED String for the first line.

6



Unlike the other five lines, Line 1 has just one LED per hold position, located directly above the t-nut. Start by taking the first LED connected to the extension cable, which is LED 1001, and insert it into the first position (1001). Continue inserting the LEDs until you reach position 1050.

4

## Controller Set Up

Example 2  
Line 2

1



This is the Quantum Board 12x12 LED Controller Box. It has 4 lines that you have to connect with cables to it. In this example we will show you how to connect Line 2.

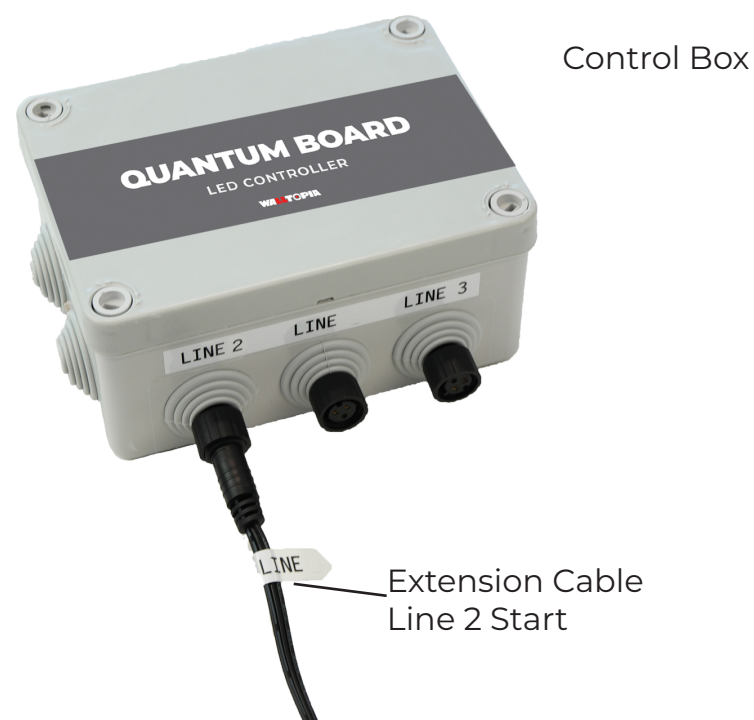
2



First we take the LED Controller Box from Step 1 and an extension cable, labeled "Line 2 Start".

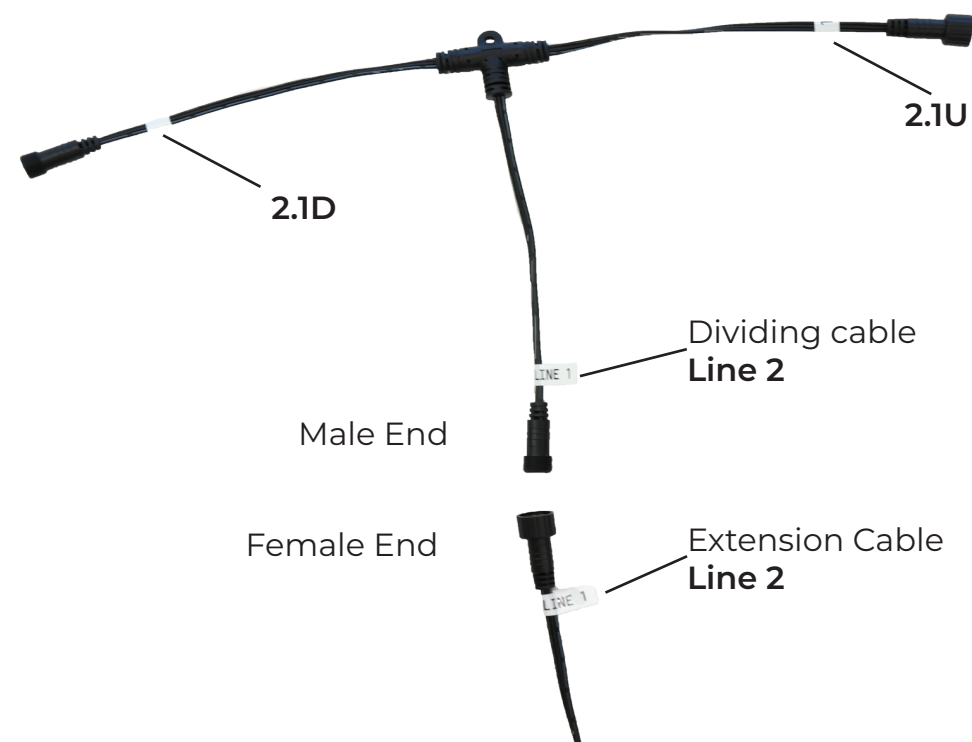


3



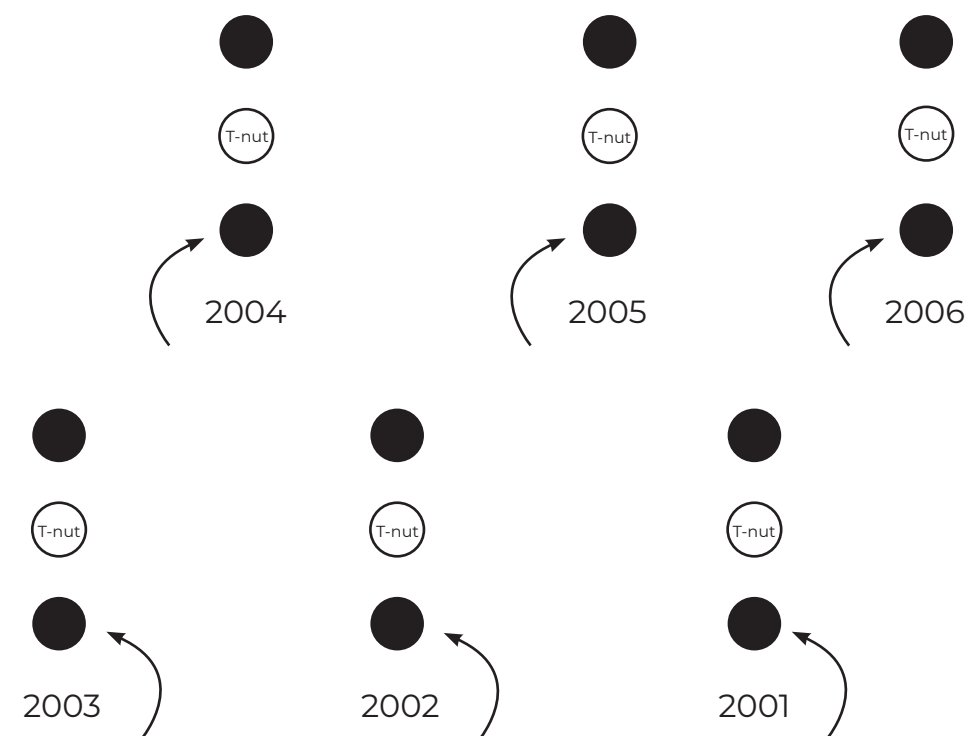
Connect the male end of the extension cable, labeled "Line 2 Start" to the first outlet in the LED Control Box.

4



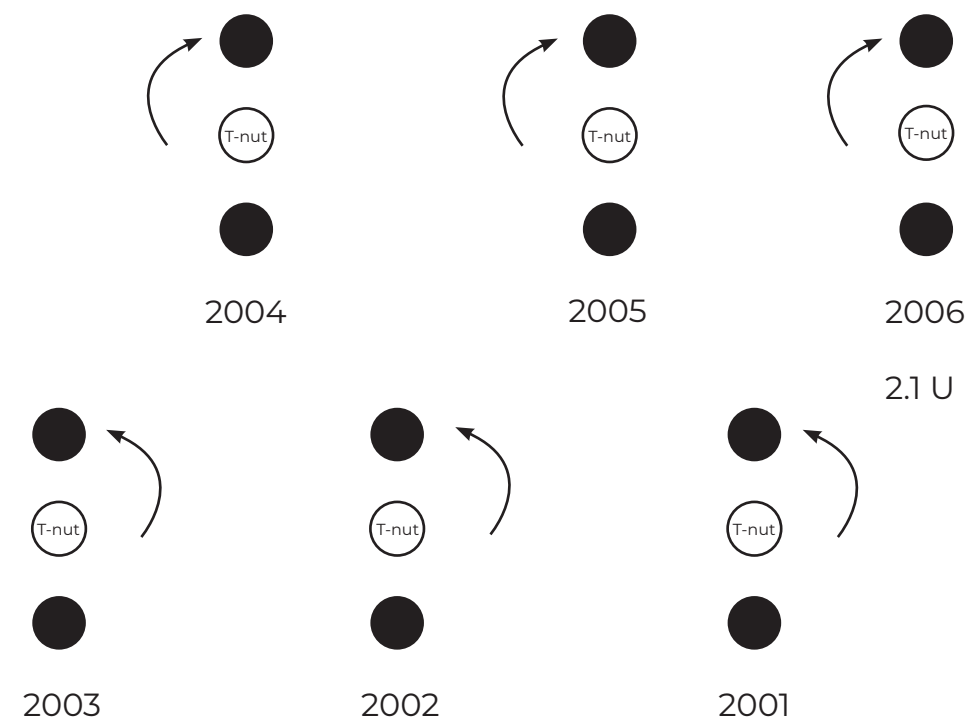
Take one of the dividing cables and connect it to the other end of the Line 2 extension cable. You will see that the diving cable has two more outlets labeled 2.1 D and 2.1 U.

5



Let's first connect the 2.1 D LEDs, the D is for DOWN. All of the LEDs connected have to be inserted below the t-nut. The LED Cord you will need next is 2.2 D and you need to continue inserting the LEDs below the t-nut. Until the last LED on the line, which will be labelled 2.3 D END.

6



Now after we are ready with line 2.1 DOWN, we have to connect line 2.1 UP. The first LED Cord you will take will be labelled 2.1 U and 2.2U, then 2.2 U and 3.3 U END. All the LEDs on this line have to be connected above the t-nut. After you are ready with all the lines just plug in the power cable into the LED Controller.



LED Diagram

