B′72 / straight boundary

Main-room reference 18000 x 10000 mm / Plan 1:50 / 15 tables / 72 chairs / Furniture identical



A = T2/S4 B = T6/S3 Peers = T2/S1, S2, S6 Dashed blue: observer route + 300 mm chair reference

Print 100%. Grid = 1000 mm. Each page-6 calibration leg = 50 mm. Not a minimum room or access certification.

B72 / curved boundary

Main-room reference 18000 x 10000 mm / Plan 1:50 / 15 tables / 72 chairs / Furniture identical



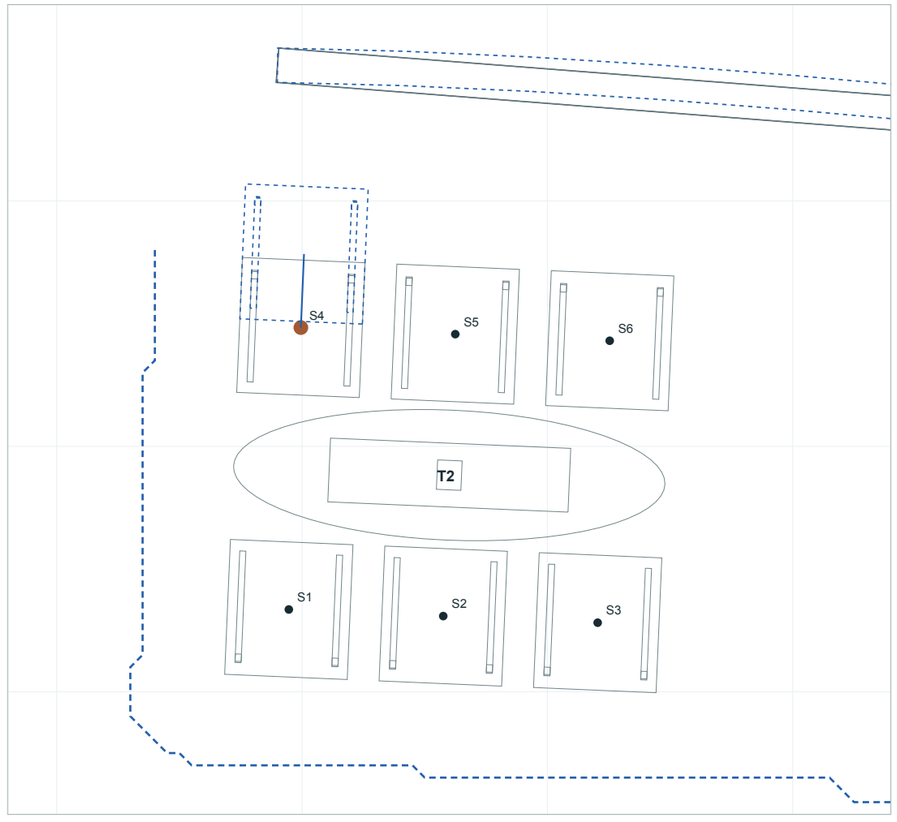
A = T2/S4 B = T6/S3 Peers = T2/S1, S2, S6 Dashed blue: observer route + 300 mm chair reference

Print 100%. Grid = 1000 mm. Each page-6 calibration leg = 50 mm. Not a minimum room or access certification.

The two chair transitions / enlarged details

1:25 / B'72 fixed outlines + B72 boundary in dashed blue / Crops are not independent cleared stations

A / original T2/S4



Rest centre: 3995.1, 5484.1 mm

Pulled centre: 4007.9, 5783.8 mm

Facing from +X: -92.447° / reference pull: 300 mm

A remains out while the mover travels. Both natural routes and all actual pull distances must be recorded. Seat reference labels follow the shared furniture schedule.

B / destination T6/S3



Rest centre: 16669.4, 3840.1 mm

Pulled centre: 16720.9, 3544.5 mm

Facing from +X: 99.891° / reference pull: 300 mm

Reference gap: 973.535 mm from the pulled chair to end-glass inner face, measured horizontally along world X. Not the angled passage width. Local 100 mm buffer is not a whole-cycle allowance.

Shared furniture schedule

World millimetres / Table angle = long axis / Chair angle = facing / Angles counterclockwise from +X

ID	X	Y	Angle °
T1	1400	4513	8.117
F1	1400	1650	0.000
T2	4600	4883	-2.447
F2	4600	1650	0.000
T3	7400	4656	-6.139
F3	7400	1650	0.000
T4	10600	4299	-5.812
F4	10600	1650	0.000
T5	13300	4103	-1.501
F5	13400	1650	0.000
T6	15950	4298	9.891
F6	16600	1650	0.000
Bk1	1650	7550	0.000
Bk2	7500	7550	0.000
Bk3	13500	7550	0.000
T1/S1	857	3855	98.117
T1/S2	1481	3944	98.117
T1/S3	2105	4033	98.117
T1/S4	695	4993	-81.883
T1/S5	1319	5082	-81.883
T1/S6	1943	5171	-81.883
F1/S1	950	1075	90.000
F1/S2	1850	1075	90.000
F1/S3	950	2225	-90.000
F1/S4	1850	2225	-90.000
T2/S1	3946	4335	87.553
T2/S2	4575	4308	87.553
T2/S3	5205	4281	87.553
T2/S4	3995	5484	-92.447
T2/S5	4625	5457	-92.447
T2/S6	5254	5430	-92.447
F2/S1	4150	1075	90.000
F2/S2	5050	1075	90.000
F2/S3	4150	2225	-90.000
F2/S4	5050	2225	-90.000
T3/S1	6712	4151	83.861
T3/S2	7339	4084	83.861
T3/S3	7965	4016	83.861
T3/S4	6835	5295	-96.139
T3/S5	7461	5227	-96.139
T3/S6	8088	5160	-96.139
F3/S1	6950	1075	90.000
F3/S2	7850	1075	90.000
F3/S3	6950	2225	-90.000
F3/S4	7850	2225	-90.000
T4/S1	9915	3791	84.188
T4/S2	10542	3727	84.188
T4/S3	11169	3663	84.188
T4/S4	10031	4935	-95.812
T4/S5	10658	4871	-95.812
T4/S6	11285	4807	-95.812
F4/S1	10150	1075	90.000
F4/S2	11050	1075	90.000
F4/S3	10150	2225	-90.000
F4/S4	11050	2225	-90.000
T5/S1	12655	3545	88.499
T5/S2	13285	3528	88.499
T5/S3	13915	3512	88.499
T5/S4	12685	4694	-91.501
T5/S5	13315	4678	-91.501
T5/S6	13945	4661	-91.501
F5/S1	12950	1075	90.000
F5/S2	13850	1075	90.000
F5/S3	12950	2225	-90.000
F5/S4	13850	2225	-90.000
T6/S1	15428	3624	99.891
T6/S2	16049	3732	99.891
T6/S3	16669	3840	99.891
T6/S4	15231	4757	-80.109
T6/S5	15851	4865	-80.109
T6/S6	16472	4973	-80.109
F6/S1	16150	1075	90.000
F6/S2	17050	1075	90.000
F6/S3	16150	2225	-90.000
F6/S4	17050	2225	-90.000
Bk1/S1	1200	6975	90.000
Bk1/S2	2100	6975	90.000
Bk1/S3	1200	8125	-90.000
Bk1/S4	2100	8125	-90.000
Bk2/S1	7050	6975	90.000
Bk2/S2	7950	6975	90.000
Bk2/S3	7050	8125	-90.000
Bk2/S4	7950	8125	-90.000
Bk3/S1	13050	6975	90.000
Bk3/S2	13950	6975	90.000
Bk3/S3	13050	8125	-90.000
Bk3/S4	13950	8125	-90.000

Rounded coordinates on paper; CSV/DXF retain precision. T = activity table; F = front table; Bk = back table. All 15 table tops are 1760 x 530 mm at Z760. Chair seat top Z485, underside Z450, back top Z825. Model rail Z20 is not a physical support specification.

T6 already moved 650 mm west and T5 100 mm west in both layouts. No further furniture changes in W1. The A0 template is oriented to each chair's facing direction; it is not a construction detail. Record all real proxy dimensions.

Boundary outlines / connect vertices in order

World millimetres / Close each segment back to point 1 / All four segments / Height 1100 mm / Thickness 140 mm

Segment 1

B'72	X	Y
1	289	6269
2	2089	6563
3	2111	6424
4	311	6131

B72	X	Y
1	283	6268
2	503	6320
3	725	6368
4	948	6411
5	1174	6450
6	1401	6484
7	1631	6514
8	1861	6541
9	2094	6563
10	2106	6424
11	1876	6401
12	1648	6375
13	1421	6345
14	1196	6311
15	973	6273
16	753	6231
17	317	6132

Segment 2

B'72	X	Y
1	3905	6623
2	8105	6298
3	8095	6158
4	3895	6483

B72	X	Y
1	4926	6447
2	4410	6470
3	3899	6483
4	3901	6623
5	4415	6610
6	4933	6587
7	5456	6554
8	5981	6513
9	6510	6466
10	7041	6414
11	8108	6298
12	8092	6158
13	7027	6274
14	6497	6327
15	5970	6374
16	5446	6414

Segment 3

B'72	X	Y
1	9905	6093
2	14105	5815
3	14095	5675
4	9895	5954

B72	X	Y
1	11491	5795
2	10960	5843
3	9892	5954
4	9908	6093
5	10973	5983
6	11503	5934
7	12030	5893
8	12553	5859
9	13073	5834
10	13589	5819
11	14100	5815
12	14100	5675
13	13586	5679
14	13068	5694
15	12545	5719
16	12019	5753

Segment 4

B'72	X	Y
1	15887	5916
2	17687	6269
3	17713	6131
4	15913	5778

B72	X	Y
1	16122	5946
2	16350	5978
3	16577	6015
4	16802	6057
5	17024	6102
6	17245	6153
7	17464	6208
8	17681	6267
9	17719	6133
10	17500	6072
11	17278	6016
12	17054	5965
13	16828	5919
14	16601	5877
15	16372	5840
16	16141	5807
17	15908	5778
18	15892	5917

Reproduce the tested outline, not a single chord for B72. Exact coordinates are in W1-setting-out.json and the two millimetre DXFs. The end-glass inner face is X=17988 mm; its model height is 3000 mm. Record physical proxy height and support feet.

DXF/CSV export all 874 access-obstacle records per layout (884 polygon rings, including facade/forecourt context). Overhead ducts are retained in the source models and page, not re-specified by this floor setting-out drawing. Forecourt travel is outside this test.

Observer route and survey checks

Observer use only / Do not draw a route line on the trial floor / Checked route from selected.json, not reselected.json

Point	X mm	Y mm
1	3400	5800
2	3400	5350
3	3350	5300
4	3350	4150
5	3300	4100
6	3300	3900
7	3450	3750
8	3500	3750
9	3550	3700
10	4450	3700
11	4500	3650
12	6150	3650
13	6250	3550
14	6500	3550
15	6550	3500
16	7000	3500
17	7050	3450
18	7450	3450
19	7500	3400

Point	X mm	Y mm
20	7900	3400
21	7950	3350
22	9300	3350
23	9450	3200
24	9600	3200
25	9650	3150
26	10100	3150
27	10150	3100
28	10600	3100
29	10650	3050
30	11100	3050
31	11150	3000
32	12250	3000
33	12400	2900
34	14000	2900
35	14050	2850
36	17450	2850
37	17500	2900

The tested path

16.597 m pad-to-pad one way; 33.194 m out and back. Excludes chair handling and seat connectors. The later 15.947 m re-ranking path was not executed in the saved cycle.

Survey controls

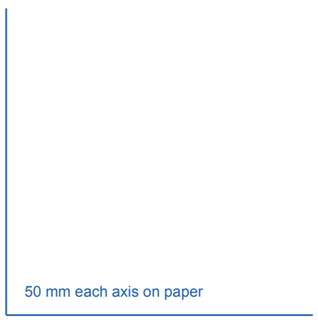
O=(0,0), X=(18000,0), Y=(0,10000), far corner=(18000,10000). Full diagonal 20591.3 mm. Check 1000 x 1000 local control at both ends; diagonal 1414.2 mm. Record long closure and local errors separately.

One shared installation

72 chairs and 15 tables in both alternatives. Every fixture uses the same coordinates. Keep A reserved and pulled out while away. Survey the whole physical layout, not only the endpoint crops.

Evidence boundary

Body XY envelope: X3047-17753, Y2597-6067 mm. This excludes complete furniture/supports and is not the station boundary. Whole-room access and human comfort are unverified.



A3 at 100% / verify both 50 mm legs

Sources: retained F1b layouts, access footprints, access mesh, selected route and saved cycles. W1 adds setting-out documents only. No participant observations have been made.