

Technical Report

Title: Pull Out Testing of Barracuda Brick Slip System (Un-Mortared).

Report No: N950-24-18685



Technical Report

Title: Pull Out Testing of Barracuda Brick Slip System (Un-Mortared).

Customer: James & Taylor Ltd,
Sixty-Two, Barwell Business Park,
Leatherhead Road, Chessington, Surrey KT9 2NY.

Issue date: 6 March 2024

VTC job no.: TR0220-3WK2

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Distribution: 1 copy to James & Taylor
(confidential) 1 copy to project file

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1 INTRODUCTION

This report describes tests carried out at VINCI Technology Centre UK Limited at the request of James & Taylor Limited.

The test sample consisted of a Barracuda brick slip system supplied by James & Taylor.

The tests were carried out between March 2023 and August 2023

Testing carried out was in accordance VINCI Technology Centre test method statement: ST8488_MS_REV01 – Test No. 1

Testing was undertaken by S. Bahera at the VINCI Technology Centre, Stanbridge Road, Leighton Buzzard, Bedfordshire, LU7 4QH, at the instruction of James & Taylor Ltd..

The test was witnessed in full or partly by:

John Champion - James & Taylor Ltd.

This test report relates only to the actual sample as tested and described herein.

The results are valid only for sample(s) tested and the conditions under which the tests were conducted.

The long-term durability of the façade system is not assessed by these test methods.

VINCI Technology Centre UK Limited is accredited to ISO/IEC 17025:2017 by the United Kingdom Accreditation Service as UKAS Testing Laboratory No. 0057 for a schedule of tests. Tests listed above and marked with an asterisk are not on our schedule.

VINCI Technology Centre UK Limited is Approved Body No. 1766.

VINCI Technology Centre UK Limited is certified by BSI for:

- ISO 9001 Quality Management System,
- ISO 14001 Environmental Management System,
- ISO 45001 Occupational Health and Safety Management System.

2 SUMMARY AND CLASSIFICATION OF TEST RESULTS

All bricks slips tested held four consecutive applied loads.

All brick slips tested held a load of at least 85 N for 30 seconds three times without becoming dislodged from their retaining rails.

All brick slips tested held a load of at least 100 N for 30 seconds one time without becoming dislodged from their retaining rails.

3 DESCRIPTION OF TEST SAMPLE

The sample was mounted to a solid steel frame which was fixed to a concrete slab as shown in the photograph below.

PHOTO IMG-5655



TEST SAMPLE

PHOTO IMG-5358



SUPPORT BRACKET

PHOTO IMG_5352



CLOSE UP OF BRICK SLIPS

4 TEST EQUIPMENT

4.1 PULL OUT TESTING

Load was applied using a pneumatic actuator. A pressure regulator was used to control the load.

Load was measured using a 200 kg s-beam load cell.

Displacement was measured using potentiometric displacement transducers.

See photo IMG-6586 below for depiction of test setup.

PHOTO IMG-6586



EXAMPLE OF PULL-OUT TEST SETUP

PHOTO IMG-5255



CLOST UP OF STUDS USED TO APPLY LOAD TO BRICK SLIP

5 INSTRUMENTATION

Below is Table 1 showing details of all the of direct measurement equipment and it's accuracy used during testing.

Table 1 – Details of Measurement Instrumentation Used.

VINCI Technology Centre Ref.	Description	Accuracy
STR061	Displacement Transducer	0.1 mm
STR062	Displacement Transducer	0.1 mm
CLR739	Load Cell	1 %

6 TEST PROCEDURE

6.1 PULL OUT TESTING

A total of 108 No. brick slips were tested, locations of each brick slip were designated by James and Taylor prior to testing.

Four consecutive loads were applied to each designated brick slip location.

Three loads of 85 N were applied using a pneumatic actuator attached through a hole drilled in the centre of the slip. Holes were drilled by James and Taylor.

The load was transferred through the back face of the slip using a threaded rod and suitable size nut a washer arrangement.

Three loads were applied with a stabilisation period of 30 seconds allowed under load and a recovery period of 30 seconds allowed after release before deflection measurements were recorded.

A final load of 100N was then be applied with the pneumatic actuator and held for 30 seconds and recovery period of 1 minute was allowed after release before final deflection measurements were taken.

Displacement transducers were used to measure the deflection of the brick slip. The gauges were installed at the mid height of the slip, one at each end.

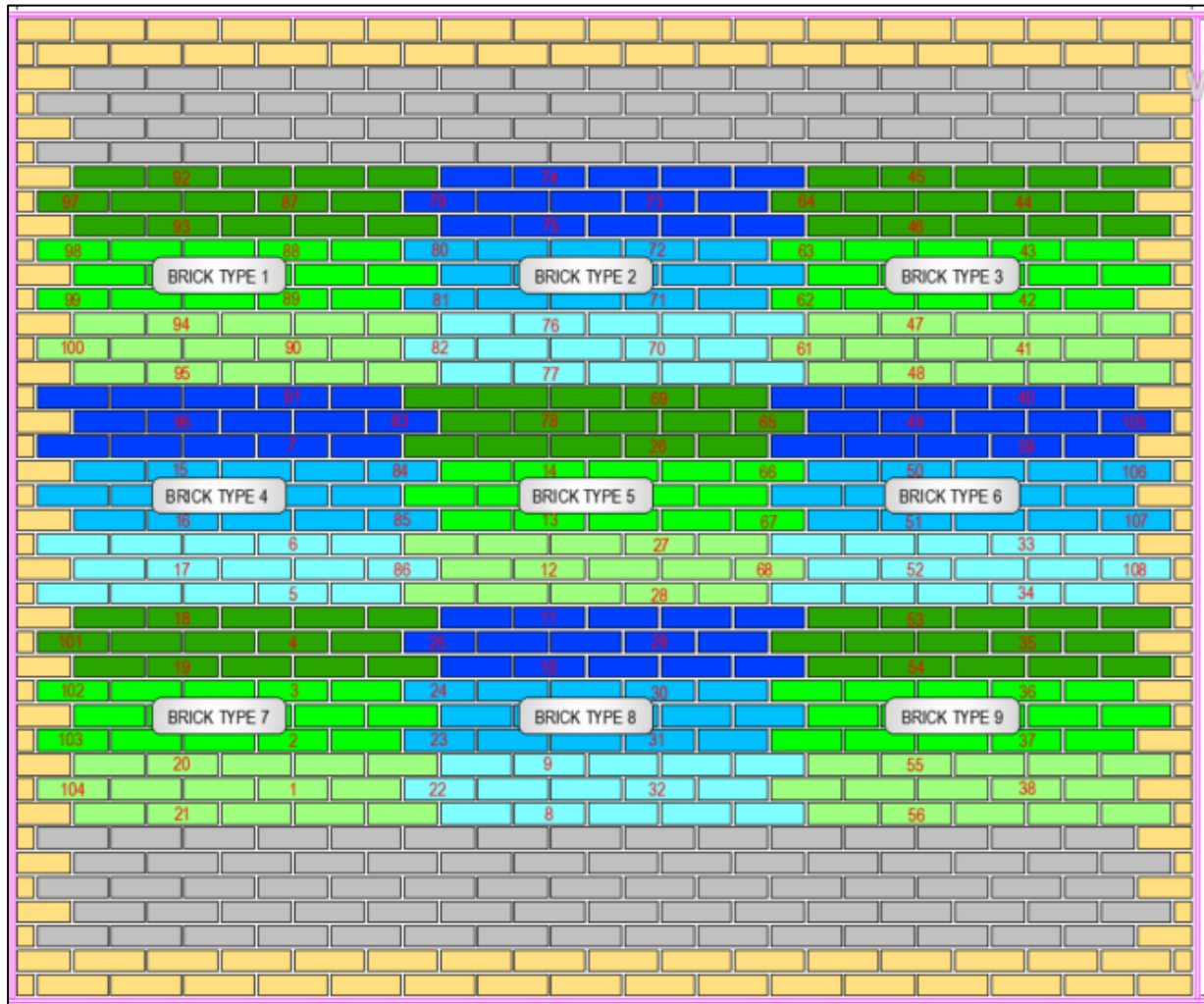
The following sequence was applied at each designated brick slip location.

1. Displacement transducers and load cell were zeroed.
2. A load of 85 N was applied. This was held for a minimum of 30 seconds.
3. Load was then be removed and left for a minimum of 30 seconds.
4. A load of 85 N was applied. This was held for a minimum of 30 seconds.
5. Load was then be removed and left for a minimum of 30 seconds.
6. A load of 85 N was applied. This was held for a minimum of 30 seconds.
7. Load was then be removed and left for a minimum of 30 seconds.
8. A load of 100 N was applied. This was held for a minimum of 30 seconds.
9. Load was then be removed and left for a minimum of 1 minute.

Displacement under load and residual displacement were recorded along with load throughout the test.

7 TEST RESULTS

DRAWING 1



TEST SAMPLE LOCATIONS (MARKED IN RED TEXT)

7.1 PULL OUT TESTING

Test Date: March 2023 to August 2023.

Table 2 – Brick Slip Pull Out Results – Test Sample 1.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.23	89.70
85	0.23	0.24	86.09
85	0.24	0.26	85.60
100	0.26	0.27	105.08
Residual Readings	0.000	0.002	-0.13

Table 3 – Brick Slip Pull Out Results – Test Sample 2.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.28	87.93
85	0.25	0.29	88.27
85	0.25	0.28	86.83
100	0.30	0.33	101.30
Residual Readings	0.18	0.10	0.44

Table 4 – Brick Slip Pull Out Results – Test Sample 3.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.19	0.24	87.08
85	0.29	0.40	87.09
85	0.31	0.42	90.80
100	0.27	0.30	107.45
Residual Readings	0.00	0.00	0.01

Table 5 – Brick Slip Pull Out Results – Test Sample 4.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.30	0.40	87.09
85	0.26	0.37	86.13
85	0.26	0.38	87.87
100	0.36	0.47	106.18
Residual Readings	0.01	0.01	0.08

Table 6 – Brick Slip Pull Out Results – Test Sample 5.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.21	0.26	85.23
85	0.21	0.27	87.82
85	0.21	0.27	88.57
100	0.27	0.36	103.78
Residual Readings	0.07	0.06	-0.12

Table 7 – Brick Slip Pull Out Results – Test Sample 6.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.19	0.24	88.61
85	0.22	0.26	88.17
85	0.23	0.27	89.13
100	0.26	0.31	107.31
Residual Readings	0.02	0.02	0.04

Table 8 – Brick Slip Pull Out Results – Test Sample 7.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.27	89.58
85	0.27	0.29	89.05
85	0.27	0.29	88.61
100	0.43	0.43	107.12
Residual Readings	0.06	0.05	0.22

Table 9 – Brick Slip Pull Out Results – Test Sample 8.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.77	0.77	85.01
85	0.79	0.78	88.13
85	0.83	0.82	89.91
100	0.77	0.81	101.30
Residual Readings	0.08	0.07	-0.15

Table 10 – Brick Slip Pull Out Results – Test Sample 9.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.31	0.29	87.22
85	0.32	0.30	88.63
85	0.32	0.30	87.90
100	0.37	0.36	100.89
Residual Readings	0.02	0.04	0.28

Table 11 – Brick Slip Pull Out Results – Test Sample 10.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.30	0.29	85.90
85	0.30	0.29	85.01
85	0.31	0.30	88.76
100	0.36	0.36	102.27
Residual Readings	0.01	0.02	-0.17

Table 12 – Brick Slip Pull Out Results – Test Sample 11.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.26	0.31	88.15
85	0.27	0.31	87.27
85	0.27	0.33	88.37
100	0.34	0.37	105.02
Residual Readings	0.06	0.08	0.01

Table 13 – Brick Slip Pull Out Results – Test Sample 12.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.20	0.25	85.52
85	0.27	0.31	85.02
85	0.28	0.33	85.22
100	0.33	0.39	105.19
Residual Readings	0.06	0.03	0.39

Table 14 – Brick Slip Pull Out Results – Test Sample 13.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.20	0.21	88.34
85	0.22	0.25	88.31
85	0.22	0.25	86.07
100	0.27	0.27	101.10
Residual Readings	0.12	0.05	-0.15

Table 15 – Brick Slip Pull Out Results – Test Sample 14.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.18	0.26	89.09
85	0.18	0.26	89.30
85	0.18	0.26	85.56
100	0.27	0.34	105.32
Residual Readings	0.13	0.10	0.33

Table 16 – Brick Slip Pull Out Results – Test Sample 15.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.18	0.27	85.77
85	0.24	0.37	85.63
85	0.26	0.40	85.85
100	0.39	0.44	106.80
Residual Readings	0.00	0.00	0.02

Table 17 – Brick Slip Pull Out Results – Test Sample 16.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.39	88.02
85	0.23	0.38	85.65
85	0.23	0.38	85.16
100	0.32	0.50	106.65
Residual Readings	0.02	0.03	-0.12

Table 18 – Brick Slip Pull Out Results – Test Sample 17.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.07	0.22	88.32
85	0.11	0.24	87.57
85	0.11	0.24	86.94
100	0.16	0.31	105.47
Residual Readings	0.00	0.01	0.13

Table 19 – Brick Slip Pull Out Results – Test Sample 18.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.16	0.20	88.68
85	0.17	0.21	89.87
85	0.18	0.21	87.01
100	0.21	0.25	101.08
Residual Readings	0.04	0.02	0.20

Table 20 – Brick Slip Pull Out Results – Test Sample 19.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.36	86.46
85	0.26	0.37	86.13
85	0.26	0.38	87.87
100	0.36	0.47	106.18
Residual Readings	0.01	0.01	0.07

Table 21 – Brick Slip Pull Out Results – Test Sample 20.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.34	0.43	85.35
85	0.44	0.51	89.33
85	0.43	0.50	88.40
100	0.47	0.54	104.51
Residual Readings	0.14	0.12	-0.11

Table 22 – Brick Slip Pull Out Results – Test Sample 21.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.56	0.45	86.20
85	0.58	0.46	85.88
85	0.52	0.47	87.37
100	0.85	0.70	103.62
Residual Readings	0.08	0.06	0.04

Table 23 – Brick Slip Pull Out Results – Test Sample 22.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.21	0.65	89.42
85	0.21	0.63	87.81
85	0.21	0.64	88.96
100	0.54	0.73	106.01
Residual Readings	0.06	0.35	0.24

Table 24 – Brick Slip Pull Out Results – Test Sample 23.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.49	0.30	88.41
85	0.51	0.30	88.27
85	0.51	0.32	88.74
100	0.56	0.46	100.96
Residual Readings	0.03	0.05	0.49

Table 25 – Brick Slip Pull Out Results – Test Sample 24.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.28	0.23	88.23
85	0.32	0.27	86.66
85	0.35	0.31	89.70
100	0.38	0.34	100.50
Residual Readings	0.04	0.09	-0.17

Table 26 – Brick Slip Pull Out Results – Test Sample 25.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.30	0.30	87.40
85	0.32	0.31	88.57
85	0.33	0.31	86.73
100	0.47	0.58	105.05
Residual Readings	0.11	0.37	0.27

Table 27 – Brick Slip Pull Out Results – Test Sample 26.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.32	0.22	85.64
85	0.32	0.21	85.11
85	0.31	0.20	82.55
100	0.41	0.30	105.28
Residual Readings	0.03	0.03	-0.70

Table 28 – Brick Slip Pull Out Results – Test Sample 27.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.11	0.27	87.49
85	0.15	0.32	88.51
85	0.15	0.31	86.91
100	0.27	0.44	101.13
Residual Readings	0.00	0.01	0.08

Table 29 – Brick Slip Pull Out Results – Test Sample 28.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.34	0.43	86.01
85	0.34	0.44	87.45
85	0.34	0.43	86.18
100	0.31	0.56	100.91
Residual Readings	0.04	0.04	0.03

Table 30 – Brick Slip Pull Out Results – Test Sample 29.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.28	87.86
85	0.25	0.30	89.35
85	0.25	0.30	89.19
100	0.23	0.32	104.28
Residual Readings	0.11	0.09	-0.15

Table 31 – Brick Slip Pull Out Results – Test Sample 30.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.59	0.56	86.35
85	0.61	0.58	86.00
85	0.64	0.61	89.99
100	0.77	0.72	102.16
Residual Readings	0.49	0.43	-0.10

Table 32 – Brick Slip Pull Out Results – Test Sample 31.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.47	0.62	87.00
85	0.47	0.62	85.96
85	0.47	0.63	87.83
100	0.63	0.81	107.00
Residual Readings	0.04	0.08	0.21

Table 33 – Brick Slip Pull Out Results – Test Sample 32.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.27	88.57
85	0.27	0.29	89.86
85	0.27	0.29	89.93
100	0.42	0.42	104.18
Residual Readings	0.02	0.01	0.06

Table 34 – Brick Slip Pull Out Results – Test Sample 33.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.81	0.81	89.45
85	0.79	0.79	89.16
85	0.80	0.80	87.21
100	0.79	0.83	103.96
Residual Readings	0.06	0.05	-0.11

Table 35 – Brick Slip Pull Out Results – Test Sample 34.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.21	87.80
85	0.25	0.21	86.09
85	0.21	0.21	87.67
100	0.31	0.29	101.19
Residual Readings	0.05	0.05	0.02

Table 36 – Brick Slip Pull Out Results – Test Sample 35.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.19	0.18	88.73
85	0.22	0.21	89.36
85	0.22	0.20	88.12
100	0.25	0.24	105.34
Residual Readings	0.04	0.02	0.20

Table 37 – Brick Slip Pull Out Results – Test Sample 36.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.16	0.18	89.55
85	0.17	0.19	85.78
85	0.18	0.19	86.85
100	0.24	0.26	106.55
Residual Readings	0.02	0.02	0.08

Table 38 – Brick Slip Pull Out Results – Test Sample 37.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.26	86.61
85	0.26	0.26	86.27
85	0.26	0.26	86.34
100	0.32	0.33	107.97
Residual Readings	0.03	0.02	0.45

Table 39 – Brick Slip Pull Out Results – Test Sample 38.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.57	0.73	87.31
85	0.57	0.72	89.03
85	0.56	0.71	85.66
100	0.66	0.84	104.22
Residual Readings	0.06	0.00	0.43

Table 40 – Brick Slip Pull Out Results – Test Sample 39.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.55	0.71	85.18
85	0.55	0.70	85.26
85	0.55	0.71	85.93
100	0.67	0.85	107.46
Residual Readings	0.01	0.00	-0.07

Table 41 – Brick Slip Pull Out Results – Test Sample 40.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.42	0.41	85.80
85	0.43	0.39	87.48
85	0.39	0.38	86.69
100	0.51	0.48	101.66
Residual Readings	0.21	0.19	0.22

Table 42 – Brick Slip Pull Out Results – Test Sample 41.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.26	0.19	89.24
85	0.25	0.18	87.56
85	0.27	0.21	86.20
100	0.31	0.25	100.62
Residual Readings	0.04	0.03	0.46

Table 43 – Brick Slip Pull Out Results – Test Sample 42.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.26	0.19	89.63
85	0.24	0.18	85.92
85	0.28	0.21	89.68
100	0.32	0.26	104.34
Residual Readings	0.03	0.03	0.38

Table 44 – Brick Slip Pull Out Results – Test Sample 43.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.24	0.27	88.10
85	0.25	0.28	87.47
85	0.25	0.30	87.61
100	0.28	0.34	101.40
Residual Readings	0.23	0.25	0.46

Table 45 – Brick Slip Pull Out Results – Test Sample 44.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.27	0.27	88.08
85	0.29	0.28	85.48
85	0.31	0.30	89.41
100	0.30	0.32	106.19
Residual Readings	0.03	0.01	0.18

Table 46 – Brick Slip Pull Out Results – Test Sample 45.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.27	0.27	86.81
85	0.29	0.29	86.16
85	0.31	0.29	87.78
100	0.30	0.32	107.69
Residual Readings	0.03	0.01	-0.17

Table 47 – Brick Slip Pull Out Results – Test Sample 46.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.42	0.41	87.97
85	0.39	0.39	87.45
85	0.38	0.37	86.78
100	0.48	0.47	104.23
Residual Readings	0.06	0.07	0.07

Table 48 – Brick Slip Pull Out Results – Test Sample 47.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.42	0.41	88.24
85	0.39	0.39	87.80
85	0.37	0.37	85.59
100	0.47	0.46	102.00
Residual Readings	0.06	0.06	0.07

Table 49 – Brick Slip Pull Out Results – Test Sample 48.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.58	0.71	88.01
85	0.58	0.71	87.74
85	0.60	0.76	87.77
100	0.66	0.84	107.51
Residual Readings	0.04	0.00	0.34

Table 50 – Brick Slip Pull Out Results – Test Sample 49.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.45	0.58	88.78
85	0.44	0.56	85.20
85	0.44	0.57	86.93
100	0.53	0.70	107.61
Residual Readings	0.16	0.30	0.43

Table 51 – Brick Slip Pull Out Results – Test Sample 50.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.45	0.58	89.09
85	0.45	0.58	88.60
85	0.44	0.57	86.03
100	0.52	0.68	104.82
Residual Readings	0.14	0.33	0.18

Table 52 – Brick Slip Pull Out Results – Test Sample 51.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.75	0.52	86.39
85	0.77	0.53	87.97
85	0.76	0.53	87.52
100	0.89	0.59	107.05
Residual Readings	0.03	0.03	0.06

Table 53 – Brick Slip Pull Out Results – Test Sample 52.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.24	0.21	86.28
85	0.26	0.22	89.99
85	0.21	0.21	86.09
100	0.31	0.29	101.24
Residual Readings	0.04	0.03	0.32

Table 54 – Brick Slip Pull Out Results – Test Sample 53.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.05	0.25	86.27
85	0.06	0.26	87.98
85	0.06	0.26	89.11
100	0.12	0.31	104.56
Residual Readings	0.04	0.05	0.14

Table 55 – Brick Slip Pull Out Results – Test Sample 54.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.27	0.27	89.65
85	0.27	0.27	89.71
85	0.26	0.26	85.50
100	0.32	0.33	103.86
Residual Readings	0.10	0.06	0.12

Table 56 – Brick Slip Pull Out Results – Test Sample 55.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.15	0.17	85.61
85	0.18	0.19	87.83
85	0.18	0.19	86.66
100	0.24	0.25	103.41
Residual Readings	0.12	0.12	0.43

Table 57 – Brick Slip Pull Out Results – Test Sample 56.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.15	0.18	87.11
85	0.18	0.19	87.40
85	0.18	0.19	85.42
100	0.24	0.26	106.94
Residual Readings	0.12	0.12	0.45

Table 58 – Brick Slip Pull Out Results – Test Sample 57.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.16	0.18	89.88
85	0.18	0.20	89.22
85	0.18	0.19	85.48
100	0.24	0.26	107.61
Residual Readings	0.13	0.14	0.49

Table 59 – Brick Slip Pull Out Results – Test Sample 58.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.19	0.18	88.79
85	0.22	0.21	88.72
85	0.21	0.20	85.46
100	0.25	0.24	104.62
Residual Readings	0.01	0.01	-0.05

Table 60 – Brick Slip Pull Out Results – Test Sample 59.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.21	89.78
85	0.22	0.22	89.80
85	0.22	0.21	88.52
100	0.31	0.31	107.13
Residual Readings	0.05	0.05	-0.19

Table 61 – Brick Slip Pull Out Results – Test Sample 60.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.05	0.26	88.92
85	0.06	0.26	87.49
85	0.06	0.26	89.79
100	0.12	0.31	105.70
Residual Readings	0.01	0.01	-0.04

Table 62 – Brick Slip Pull Out Results – Test Sample 61.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.11	0.21	88.87
85	0.12	0.21	87.67
85	0.12	0.21	85.08
100	0.19	0.28	103.84
Residual Readings	0.12	0.08	0.36

Table 63 – Brick Slip Pull Out Results – Test Sample 62.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.27	86.93
85	0.29	0.32	89.66
85	0.29	0.30	87.81
100	0.30	0.35	102.43
Residual Readings	0.17	0.17	0.42

Table 64 – Brick Slip Pull Out Results – Test Sample 63.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.14	0.23	88.35
85	0.15	0.24	89.62
85	0.15	0.23	88.74
100	0.18	0.28	101.59
Residual Readings	0.05	0.05	-0.19

Table 65 – Brick Slip Pull Out Results – Test Sample 64.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.24	0.23	86.34
85	0.25	0.25	89.23
85	0.27	0.25	88.84
100	0.33	0.31	107.78
Residual Readings	0.00	0.00	0.24

Table 66 – Brick Slip Pull Out Results – Test Sample 65.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.19	0.15	86.57
85	0.20	0.17	89.95
85	0.23	0.18	88.37
100	0.26	0.23	105.45
Residual Readings	0.03	0.03	0.44

Table 67 – Brick Slip Pull Out Results – Test Sample 66.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.19	85.85
85	0.27	0.21	87.49
85	0.27	0.21	86.80
100	0.33	0.25	105.36
Residual Readings	0.05	0.11	0.32

Table 68 – Brick Slip Pull Out Results – Test Sample 67.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.29	0.25	87.35
85	0.31	0.26	88.24
85	0.32	0.27	87.27
100	0.36	0.32	105.61
Residual Readings	0.10	0.17	0.43

Table 69 – Brick Slip Pull Out Results – Test Sample 68.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.18	0.26	89.09
85	0.18	0.26	89.30
85	0.18	0.26	85.56
100	0.27	0.34	105.32
Residual Readings	0.13	0.10	0.33

Table 70 – Brick Slip Pull Out Results – Test Sample 69.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.31	0.20	88.36
85	0.34	0.23	88.45
85	0.33	0.23	86.63
100	0.37	0.26	102.22
Residual Readings	0.02	0.02	-0.18

Table 71 – Brick Slip Pull Out Results – Test Sample 70.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.43	0.27	86.99
85	0.46	0.30	85.59
85	0.47	0.31	87.04
100	0.57	0.45	102.91
Residual Readings	0.04	0.10	0.12

Table 72 – Brick Slip Pull Out Results – Test Sample 71.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.18	0.14	85.05
85	0.21	0.17	89.03
85	0.20	0.16	86.00
100	0.26	0.21	100.84
Residual Readings	0.01	0.01	0.37

Table 73 – Brick Slip Pull Out Results – Test Sample 72.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.28	0.25	86.67
85	0.30	0.25	85.06
85	0.32	0.26	88.70
100	0.38	0.32	107.58
Residual Readings	0.03	0.03	-0.14

Table 74 – Brick Slip Pull Out Results – Test Sample 73.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.37	0.16	87.79
85	0.41	0.19	89.50
85	0.39	0.18	86.70
100	0.46	0.24	104.49
Residual Readings	0.05	0.12	0.12

Table 75 – Brick Slip Pull Out Results – Test Sample 74.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.20	87.69
85	0.26	0.21	88.41
85	0.27	0.21	89.98
100	0.34	0.42	100.07
Residual Readings	0.14	0.15	0.19

Table 76 – Brick Slip Pull Out Results – Test Sample 75.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.34	0.27	89.30
85	0.34	0.30	85.29
85	0.35	0.31	86.47
100	0.41	0.32	104.28
Residual Readings	0.03	0.03	0.26

Table 77 – Brick Slip Pull Out Results – Test Sample 76.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.39	0.26	88.56
85	0.39	0.26	87.39
85	0.49	0.30	88.97
100	0.54	0.30	105.58
Residual Readings	0.03	0.06	0.06

Table 78 – Brick Slip Pull Out Results – Test Sample 77.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.44	0.32	87.00
85	0.45	0.34	88.10
85	0.46	0.34	88.43
100	0.54	0.39	102.08
Residual Readings	0.06	0.06	0.08

Table 79 – Brick Slip Pull Out Results – Test Sample 78.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.24	0.23	89.00
85	0.26	0.25	89.07
85	0.25	0.24	85.54
100	0.30	0.32	103.28
Residual Readings	0.01	0.04	0.07

Table 80 – Brick Slip Pull Out Results – Test Sample 79.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.31	0.29	87.48
85	0.32	0.30	89.94
85	0.30	0.29	86.22
100	0.37	0.36	105.66
Residual Readings	0.12	0.15	0.01

Table 81 – Brick Slip Pull Out Results – Test Sample 80.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.22	0.28	87.42
85	0.23	0.28	86.11
85	0.23	0.30	88.18
100	0.27	0.26	101.54
Residual Readings	0.02	0.08	-0.15

Table 82 – Brick Slip Pull Out Results – Test Sample 81.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.21	0.18	85.49
85	0.26	0.22	87.79
85	0.26	0.22	89.83
100	0.29	0.23	101.26
Residual Readings	0.01	0.00	0.25

Table 83 – Brick Slip Pull Out Results – Test Sample 82.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.60	0.66	89.32
85	0.58	0.64	88.87
85	0.56	0.59	85.08
100	0.63	0.65	104.53
Residual Readings	0.07	0.08	0.17

Table 84 – Brick Slip Pull Out Results – Test Sample 83.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.22	0.26	87.64
85	0.24	0.30	89.11
85	0.23	0.34	85.95
100	0.30	0.37	106.23
Residual Readings	0.06	0.19	0.24

Table 85 – Brick Slip Pull Out Results – Test Sample 84.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.29	85.77
85	0.26	0.33	87.68
85	0.29	0.31	89.81
100	0.39	0.42	105.28
Residual Readings	0.22	0.28	0.20

Table 86 – Brick Slip Pull Out Results – Test Sample 85.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.23	0.27	89.87
85	0.34	0.40	88.92
85	0.32	0.36	85.20
100	0.15	0.20	101.17
Residual Readings	0.08	0.11	0.08

Table 87 – Brick Slip Pull Out Results – Test Sample 86.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.47	0.49	86.83
85	0.47	0.50	89.88
85	0.45	0.54	87.72
100	0.49	0.56	106.56
Residual Readings	0.04	0.05	0.14

Table 88 – Brick Slip Pull Out Results – Test Sample 87.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.31	0.40	88.37
85	0.31	0.37	87.40
85	0.31	0.37	85.93
100	0.37	0.47	101.06
Residual Readings	0.02	0.02	0.35

Table 89 – Brick Slip Pull Out Results – Test Sample 88.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.32	0.39	86.58
85	0.33	0.37	87.30
85	0.33	0.41	86.06
100	0.38	0.47	100.75
Residual Readings	0.05	0.16	0.48

Table 90 – Brick Slip Pull Out Results – Test Sample 89.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.40	0.47	89.75
85	0.40	0.50	88.08
85	0.40	0.39	87.58
100	0.45	0.50	100.48
Residual Readings	0.10	0.10	0.42

Table 91 – Brick Slip Pull Out Results – Test Sample 90.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.48	0.51	86.71
85	0.48	0.52	86.11
85	0.51	0.61	89.19
100	0.62	0.71	104.00
Residual Readings	0.06	0.09	-0.64

Table 92 – Brick Slip Pull Out Results – Test Sample 91.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.33	0.39	86.33
85	0.34	0.40	85.11
85	0.36	0.40	89.30
100	0.40	0.47	103.71
Residual Readings	0.08	0.13	0.49

Table 93 – Brick Slip Pull Out Results – Test Sample 92.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.29	0.29	86.73
85	0.30	0.34	88.38
85	0.31	0.31	89.51
100	0.33	0.37	102.05
Residual Readings	0.03	0.06	-0.18

Table 94 – Brick Slip Pull Out Results – Test Sample 93.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.26	0.25	87.03
85	0.26	0.28	88.18
85	0.30	0.32	87.68
100	0.35	0.45	108.00
Residual Readings	0.01	0.01	0.02

Table 95 – Brick Slip Pull Out Results – Test Sample 94.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.48	0.47	88.38
85	0.49	0.49	86.77
85	0.50	0.58	89.90
100	0.59	0.64	102.53
Residual Readings	0.08	0.19	-0.13

Table 96 – Brick Slip Pull Out Results – Test Sample 95.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.44	0.53	85.10
85	0.52	0.52	86.81
85	0.45	0.46	86.42
100	0.47	0.47	100.84
Residual Readings	0.02	0.07	0.20

Table 97 – Brick Slip Pull Out Results – Test Sample 96.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.28	0.28	86.79
85	0.28	0.28	88.24
85	0.28	0.34	86.02
100	0.35	0.39	107.63
Residual Readings	0.00	0.01	0.07

Table 98 – Brick Slip Pull Out Results – Test Sample 97.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.35	0.36	86.04
85	0.37	0.39	89.03
85	0.38	0.40	87.67
100	0.45	0.47	105.79
Residual Readings	0.01	0.01	-0.04

Table 99 – Brick Slip Pull Out Results – Test Sample 98.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.16	0.30	89.79
85	0.20	0.21	88.71
85	0.19	0.13	86.85
100	0.23	0.40	105.86
Residual Readings	0.01	0.08	0.05

Table 100 – Brick Slip Pull Out Results – Test Sample 99.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.36	0.49	85.26
85	0.37	0.47	86.06
85	0.42	0.55	85.67
100	0.49	0.58	104.83
Residual Readings	0.05	0.05	-0.07

Table 101 – Brick Slip Pull Out Results – Test Sample 100.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.47	0.56	87.07
85	0.51	0.54	85.07
85	0.54	0.57	88.82
100	0.80	0.85	104.36
Residual Readings	0.17	0.21	-0.17

Table 102 – Brick Slip Pull Out Results – Test Sample 101.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.28	0.36	86.14
85	0.28	0.31	85.41
85	0.29	0.40	89.79
100	0.40	0.46	107.72
Residual Readings	0.01	0.02	-0.04

Table 103 – Brick Slip Pull Out Results – Test Sample 102.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.25	0.34	85.11
85	0.27	0.29	87.92
85	0.26	0.33	85.00
100	0.37	0.37	105.04
Residual Readings	0.12	0.14	0.17

Table 104 – Brick Slip Pull Out Results – Test Sample 103.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.28	0.37	85.73
85	0.29	0.39	86.47
85	0.29	0.38	85.31
100	0.37	0.49	104.43
Residual Readings	0.04	0.09	0.06

Table 105 – Brick Slip Pull Out Results – Test Sample 104.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.55	1.01	89.82
85	0.52	1.01	86.12
85	0.53	1.03	88.98
100	0.63	1.08	105.71
Residual Readings	0.07	0.27	0.50

Table 106 – Brick Slip Pull Out Results – Test Sample 105.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.57	0.70	86.12
85	0.59	0.72	88.72
85	0.59	0.75	86.35
100	0.63	0.80	103.05
Residual Readings	0.00	0.00	-0.09

Table 107 – Brick Slip Pull Out Results – Test Sample 106.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.31	0.30	89.62
85	0.30	0.29	85.10
85	0.31	0.29	87.51
100	0.40	0.37	107.49
Residual Readings	0.02	0.07	0.10

Table 108 – Brick Slip Pull Out Results – Test Sample 107.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.42	0.56	86.30
85	0.44	0.57	88.90
85	0.43	0.56	86.77
100	0.52	0.68	105.33
Residual Readings	0.02	0.03	0.02

Table 109 – Brick Slip Pull Out Results – Test Sample 108.

Target Load (N)	Displacement 1 (mm)	Displacement 2 (mm)	Actual Load (N)
85	0.57	0.40	87.82
85	0.57	0.40	87.17
85	0.57	0.40	86.98
100	0.87	0.58	103.81
Residual Readings	0.01	0.01	-0.01

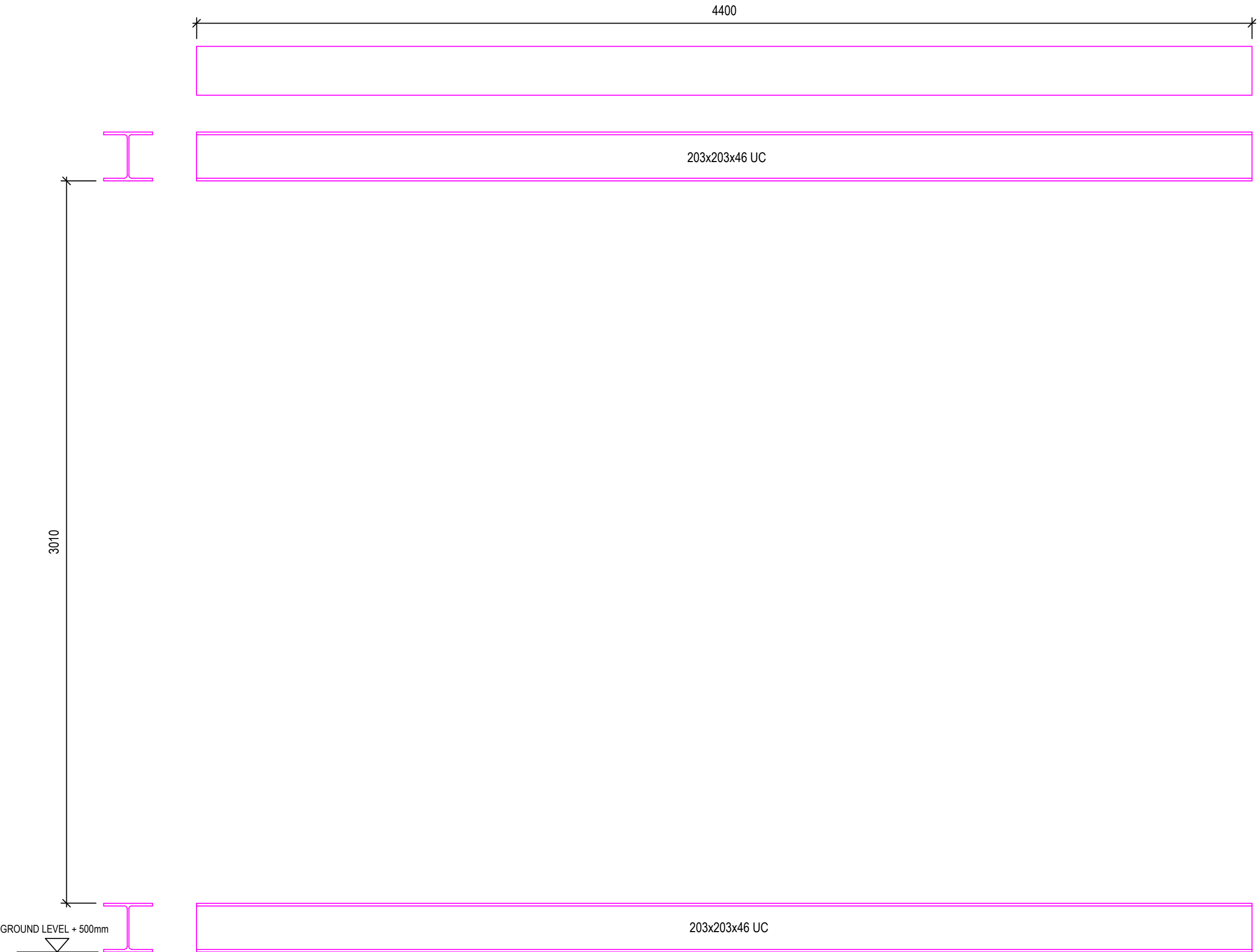
8 APPENDIX - DRAWINGS

The following 5 unnumbered pages are copies of James & Taylor Limited drawings numbered:

- BSS-TRB-GA-001
- BSS-TRB-GA-002
- BSS-TRB-GA-003
- BSS-TR-IBPRC-SK-01
- BSS-TRA-T1

END OF REPORT

TEST RIG TYPE B
STEEL FRAMING (TO BE PROVIDED BY TECHNOLOGY CENTRE)



SIXTY TWO, Barwell Business Park, Leatherhead Road,
Chessington, Surrey KT9 2NY
T. 020 8942 3688 F. 020 8336 2036 E. info@jamesandtaylor.co.uk
www.jamesandtaylor.co.uk

GENERAL NOTES:

DO NOT SCALE FROM THIS DRAWING.

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT JAMES & TAYLOR,
ARCHITECT'S AND ENGINEER'S DRAWINGS.

STEEL FRAMING REQUIREMENT

203x203x46 UC (AS DRAWN)
60x60x6 RSA (AS DRAWN)

REVISIONS:	DATE:
CLIENT:	
JAMES & TAYLOR LTD	
PROJECT:	
BRICK SLIP SYSTEM	
TITLE:	
TEST RIG TYPE B GENERAL ARRANGEMENT	
DATE:	
03/12/2021	
DRAWN BY:	CHECKED BY:
JSC	JSC
SCALE:	PLOT SIZE:
1:16	A3
DRAWING NUMBER:	REVISION:
BSS-TRB-GA-001	
PLOT DATE:	
December 5, 2021	5:40 PM
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TEST RIG TYPE B
METSEC BACKING WALL; STUDWORK, BASE, AND HEAD TRACK SETTING OUT/CONFIGURATION



GENERAL NOTES:

DO NOT SCALE FROM THIS DRAWING.

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT JAMES & TAYLOR,
ARCHITECT'S AND ENGINEER'S DRAWINGS.

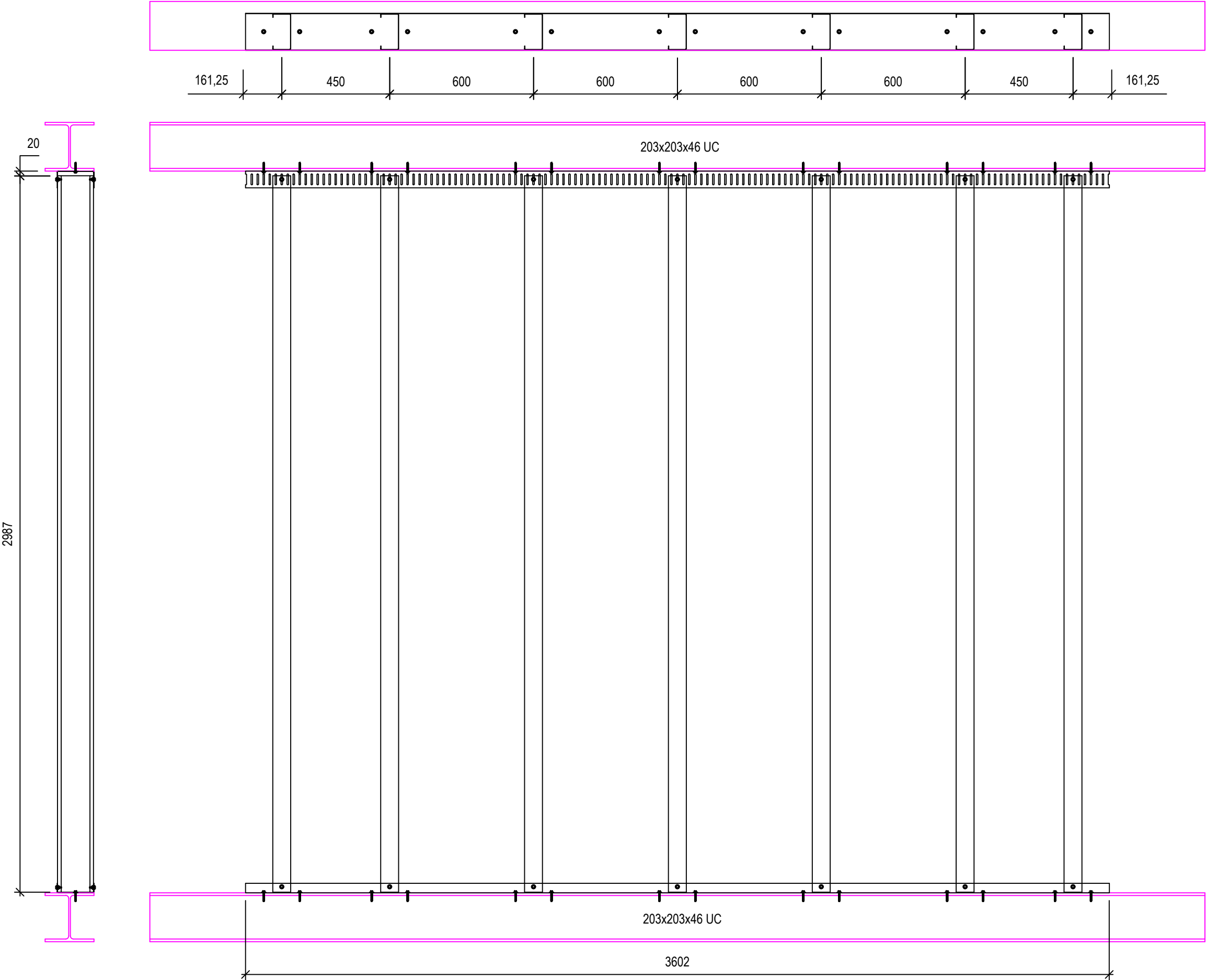
METSEC REQUIREMENT

VERTICAL STUDS
150M12-75 (THEORETICAL LENGTH 2987mm) = 7 No.

BASE TRACK
154M12-40 (THEORETICAL LENGTH 3602mm) = 1 No.

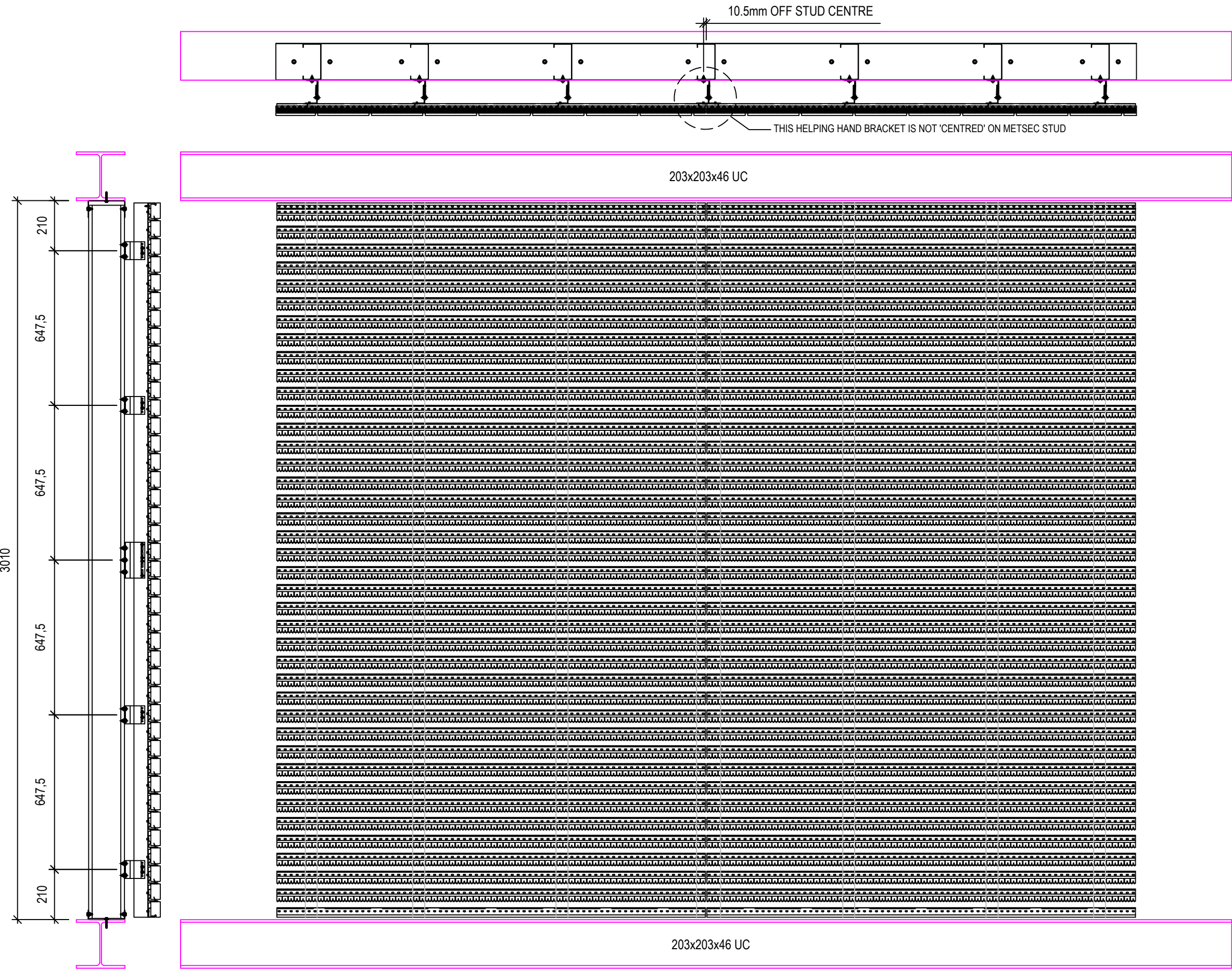
HEAD TRACK
154M16-70s (THEORETICAL LENGTH 3602mm) = 1 No.

REVISIONS:	DATE:
CLIENT:	
JAMES & TAYLOR LTD	
PROJECT:	
BRICK SLIP SYSTEM	
TITLE:	
TEST RIG TYPE B GENERAL ARRANGEMENT	
DATE:	
03/12/2021	
DRAWN BY:	CHECKED BY:
JSC	JSC
SCALE:	PLOT SIZE:
1:16	A3
DRAWING NUMBER:	REVISION:
BSS-TRB-GA-002	
PLOT DATE:	
December 5, 2021	5:42 PM
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TEST RIG TYPE B

'HELPING HAND' BRACKET, VERTICAL SUB-STRUCTURE AND BARRACUDA RAIL SETTING OUT/CONFIGURATION



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Chessington, Surrey KT9 2NY
T. 020 8942 3688 F. 020 8336 2036 E. info@jamesandtaylor.co.uk
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GENERAL NOTES:

DO NOT SCALE FROM THIS DRAWING.

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT JAMES & TAYLOR,
ARCHITECT'S AND ENGINEER'S DRAWINGS.

BARRACUDA HORIZONTAL RAIL REQUIREMENT

BAR-R1-1800 = 78 No.
BAR-R2-1800 = 2 No.
BAR-R3-1800 = 2 No.

BARRACUDA VERTICAL RAIL REQUIREMENT

BAR-VL1-2990 = 6 No.
BAR-VT1-2990 = 1 No.

'HELPING HAND' BRACKET REQUIREMENT
Nvelope 90 (ADJUSTMENT RANGE 92mm TO 132mm)

VERTICAL LOAD BEARING HELPING HAND = 7 No.
RESTRAIN HELPING HAND = 28 No.

REVISIONS: DATE:

CLIENT:
JAMES & TAYLOR LTD

PROJECT:
BRICK SLIP SYSTEM

TITLE:
TEST RIG TYPE B
GENERAL ARRANGEMENT

DATE:
03/12/2021

DRAWN BY: JSC CHECKED BY: JSC

SCALE: 1:16 PLOT SIZE: A3

DRAWING NUMBER: BSS-TRB-GA-003 REVISION:

PLOT DATE:
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TEST RIG TYPE A - TEST 1 [UNMORTARED BRICK PULL]



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 = BLOCKLEY WINDERMERE GREY SOLID

215mm LONG 'STANDARD' SLIPS = 135 No.

 = WIENERBERGER STAFFORDSHIRE
SMOOTH CREAM

215mm LONG 'STANDARD' SLIPS = 30 No.

165mm LONG 'STANDARD' SLIPS = 38 No.

52mm LONG 'STANDARD' SLIPS = 38 No.

215mm LONG SLIPS WITH 'TOP' REBATE = 15 No.

215mm LONG SLIPS WITH 'BOTTOM' REBATE = 15 No.

165mm LONG SLIPS WITH 'TOP' REBATE = 1 No.

165mm LONG SLIPS WITH 'BOTTOM' REBATE = 1 No.

52mm LONG SLIPS WITH 'TOP' REBATE = 1 No.

52mm LONG SLIPS WITH 'BOTTOM' REBATE = 1 No.

REVISIONS: DATE:

CLIENT:
JAMES & TAYLOR LTD

PROJECT:
BRICK SLIP SYSTEM

TITLE:
TEST RIG TYPE A - TEST 1
UNMORTARED BRICK PULL

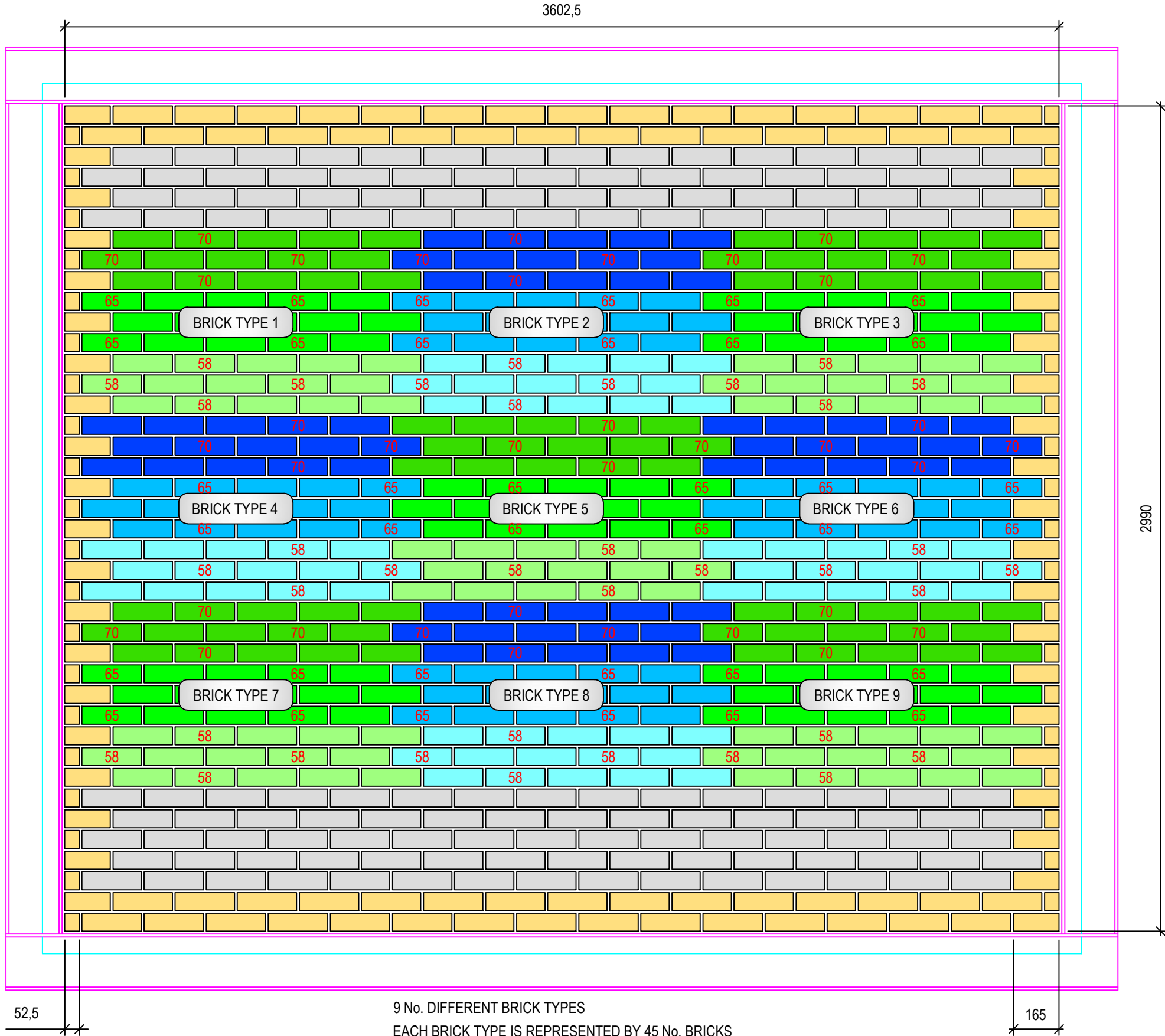
DATE:
04/12/2021

DRAWN BY: JSC CHECKED BY: JSC

SCALE: 1:16 PLOT SIZE: A3

DRAWING NUMBER: BSS-TRA-T1 REVISION:

PLOT DATE: December 5, 2021 5:38 PM © James & Taylor Ltd - 2009

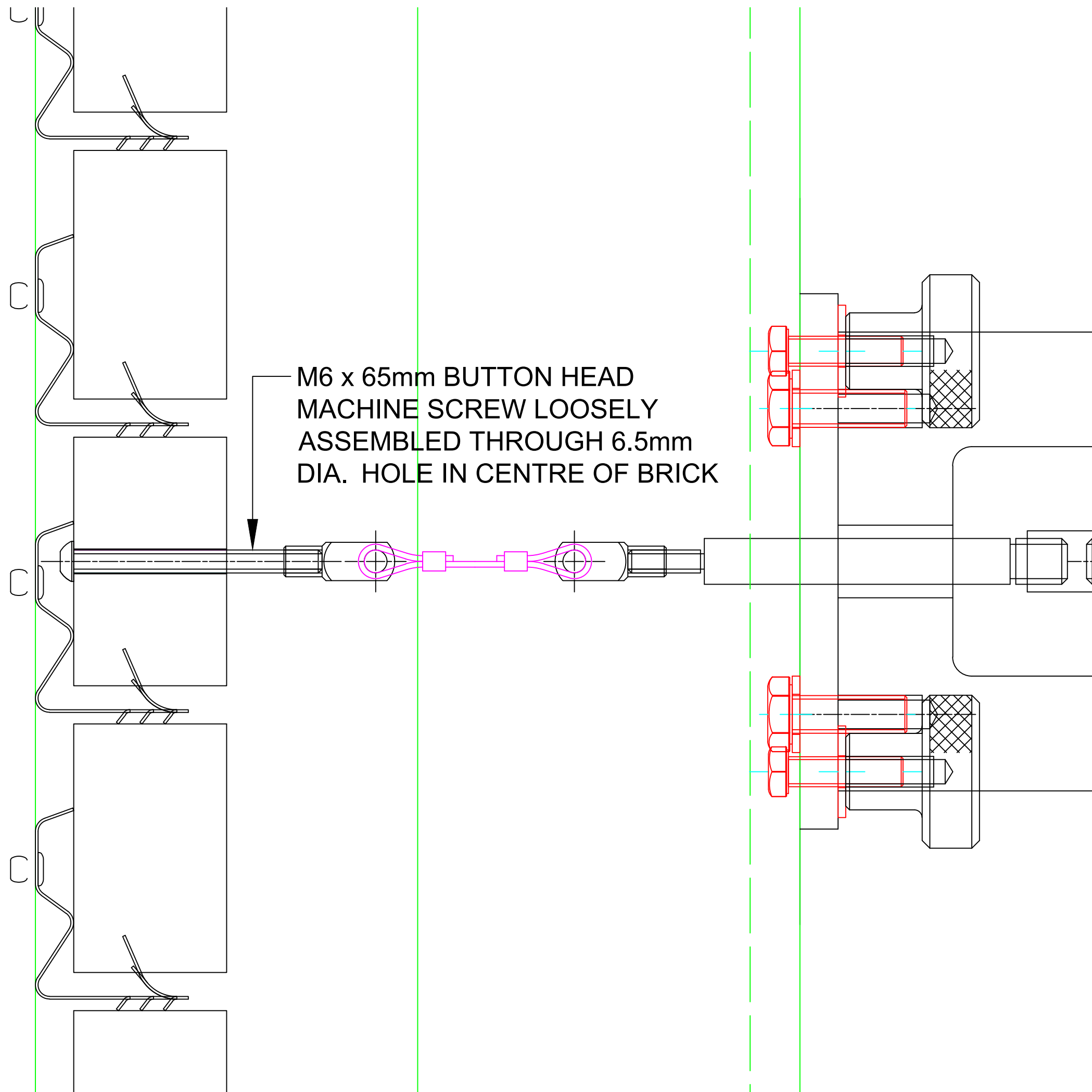


9 No. DIFFERENT BRICK TYPES
EACH BRICK TYPE IS REPRESENTED BY 45 No. BRICKS
MEDIAN HEIGHT BRICKS = 15 No.
SMALL BRICKS = 4 No. 58mm HIGH AND 11 No. MEDIAN HEIGHT [26.66%]
LARGE BRICKS = 4 No. 70mm HIGH AND 11 No. MEDIAN HEIGHT [26.66%]

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REVISIONS:	DATE:
CLIENT:	JAMES & TAYLOR LTD
PROJECT:	BRICK SLIP SYSTEM
TITLE:	INDIVIDUAL BRICK PULL BRICK CONNECTION CONFIGURATION
DATE:	06/01/2022
DRAWN BY:	CHECKED BY:
JSC	JSC
SCALE:	PLOT SIZE:
1:1	A3
DRAWING NUMBER:	REVISION:
BSS-TRA-IBPRC-SK-01	
PLOT DATE:	8:39 PM
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