BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

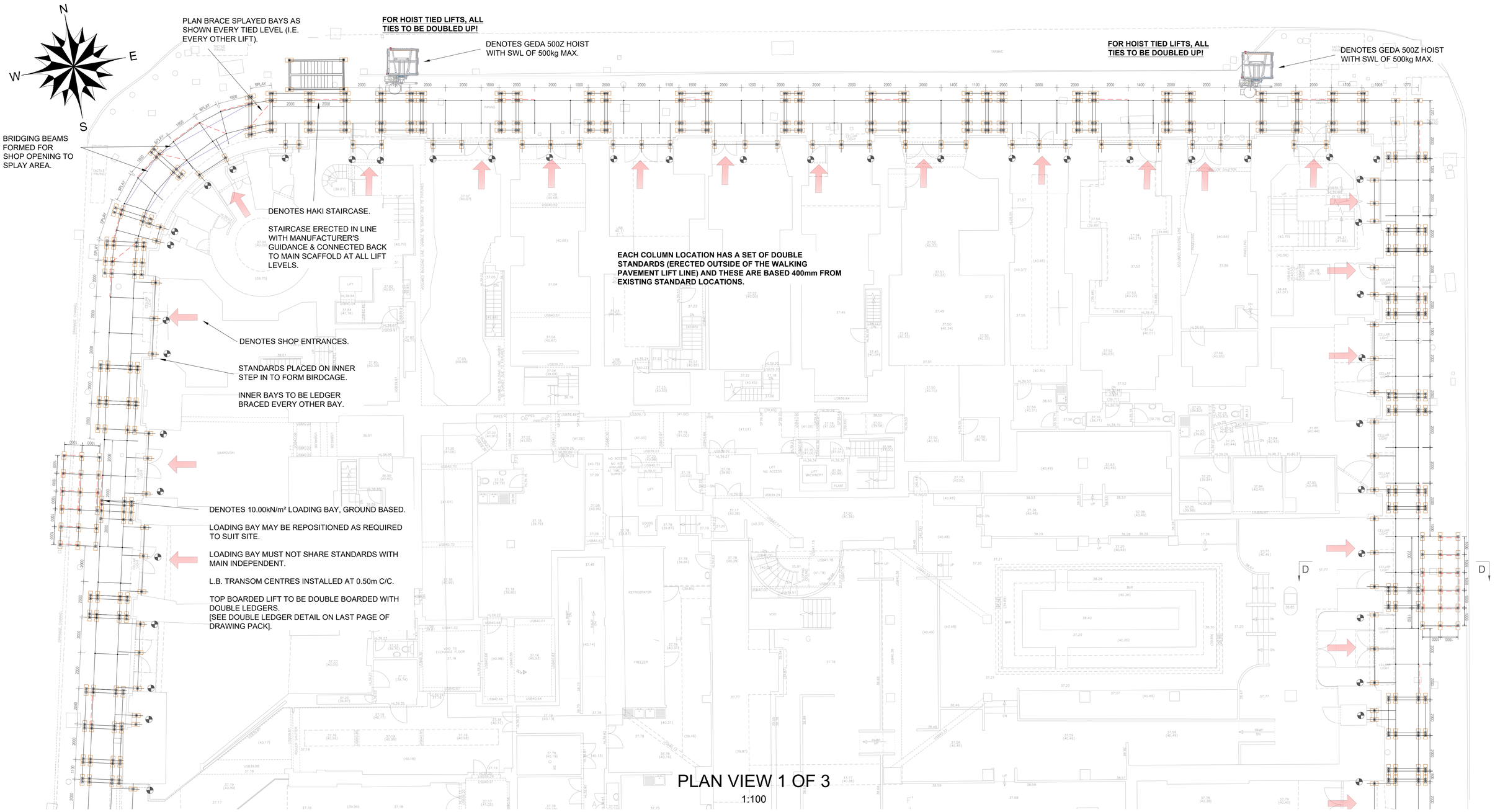
TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
2 - CLASS B COUPLERS TO BE USED UNLESS SPECIFIED OTHERWISE
3 - LADDER ACCESS TO BE DETERMINED ON SITE TO SUIT IF NOT SHOWN
4 - ALL LOADS FROM TIES AND FOUNDATIONS ARE ALLOWED BY CLIENT
5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED



PLAN VIEW 1 OF 3
1:100

GENERAL NOTES

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ALL TUBES TO COMPLY WITH BE EN 39 AND IN 'AS NEW' CONDITION. ALL FITTINGS TO COMPLY WITH BS 1139 OR BS EN 74 CLASS B.

ALL BOARDS TO COMPLY WITH BS2482:2009 AND USING 38MM X 225MM TIMBER.

ALL STANDARDS TO BE BASED ON MILD STEEL 125MM X 125MM BASE PLATES AND ANY ADDITIONAL FOUNDATION DETAIL AS SHOWN ON THE DRAWING

NO SHEETING, HOARDINGS OR SIGNBOARDS TO BE ADDED TO SCAFFOLD, UNLESS SHOWN ON DRAWING WITHOUT CONSENT OF GB SCAFFOLD DESIGN LTD.

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NO MODIFICATION TO BE MADE, INCLUDING TIES OR BRACES WITHOUT WRITTEN CONSENT FROM GB SCAFFOLD DESIGN LTD.
ALL DIMENSIONS ARE AS STATED. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. ALL DIMENSIONS IN MM UNLESS STATED OTHERWISE

MAX TIE LOAD:	4.91 kN
MAX AXIAL LOAD:	25.13 kN
MAX BEARING PRESSURE:	248.00 kN/m2
MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD PLAN VIEW

GB SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS
THIS SYMBOL DENOTES DESIGN RESIDUAL HAZARDS HAVE NOT BEEN ELIMINATED AND REMAIN ON THE SCAFFOLD. ACTIONS ARE REQUIRED BY CLIENT

CLIENT: CRAVEN SCAFFOLDING LTD
SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 1 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
2 - CLASS B COUPLERS TO BE USED UNLESS SPECIFIED OTHERWISE
3 - LADDER ACCESS TO BE DETERMINED ON SITE TO SUIT IF NOT SHOWN
4 - ALL LOADS FROM TIES AND FOUNDATIONS ARE ALLOWED BY CLIENT
5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED



PLAN VIEW 2 OF 3
1:100

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MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
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CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD PLAN VIEW

G B SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS
THIS SYMBOL DENOTES DESIGN RESIDUAL HAZARDS HAVE NOT BEEN ELIMINATED AND REMAIN ON THE SCAFFOLD. ACTIONS ARE REQUIRED BY CLIENT

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SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 2 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

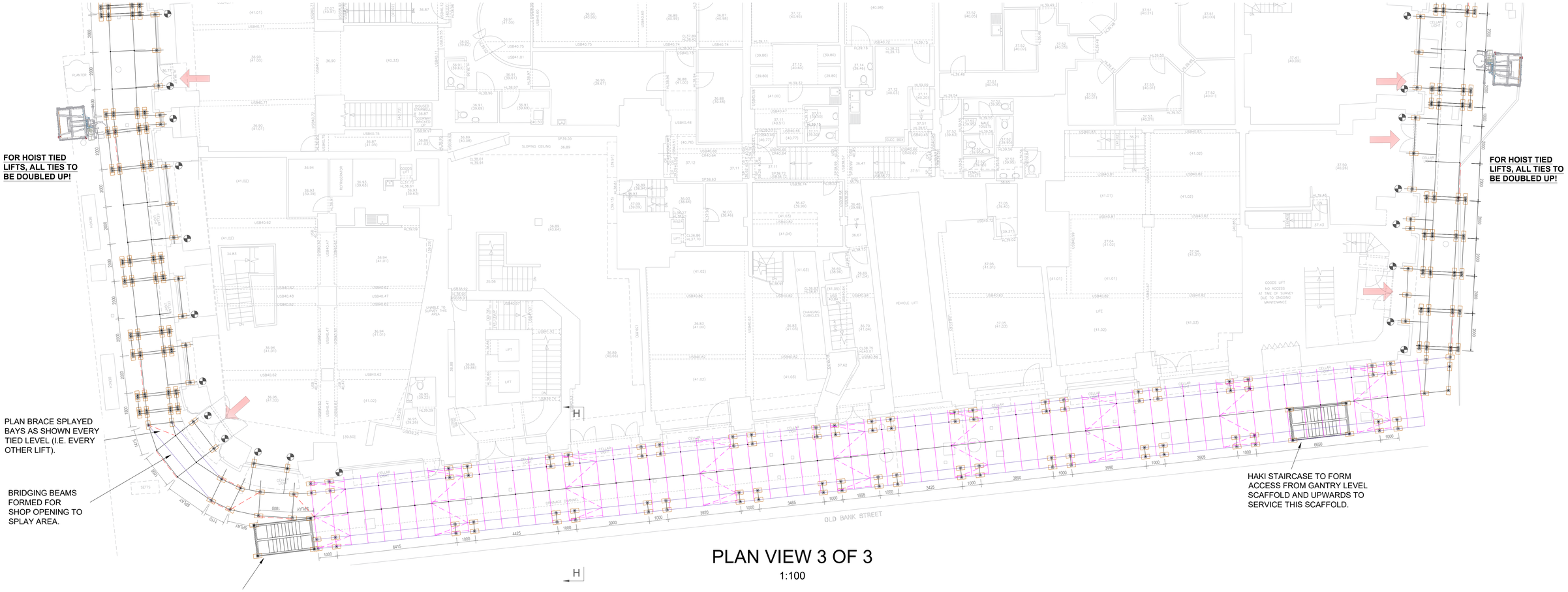
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5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED

N
W
E
S

DOUBLE STANDARDS ARE NOT SHOWN ON PLAN VIEW.

ALL BAYS (EXCEPT CORNER SPLAYED TOWERS) TO BE DOUBLE STANDARDS. ADDITIONAL DOUBLE STANDARD TO EXTEND TO FIRST BOARDED LIFT ONLY.

STANDARD INSTALLED WITHIN 150mm-200mm OF ORIGINAL STANDARD.



PLAN VIEW 3 OF 3

1:100

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MAX AXIAL LOAD:	25.13 kN
MAX BEARING PRESSURE:	248.00 kN/m2
MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

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DESIGN RESIDUAL HAZARDS

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SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 3 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

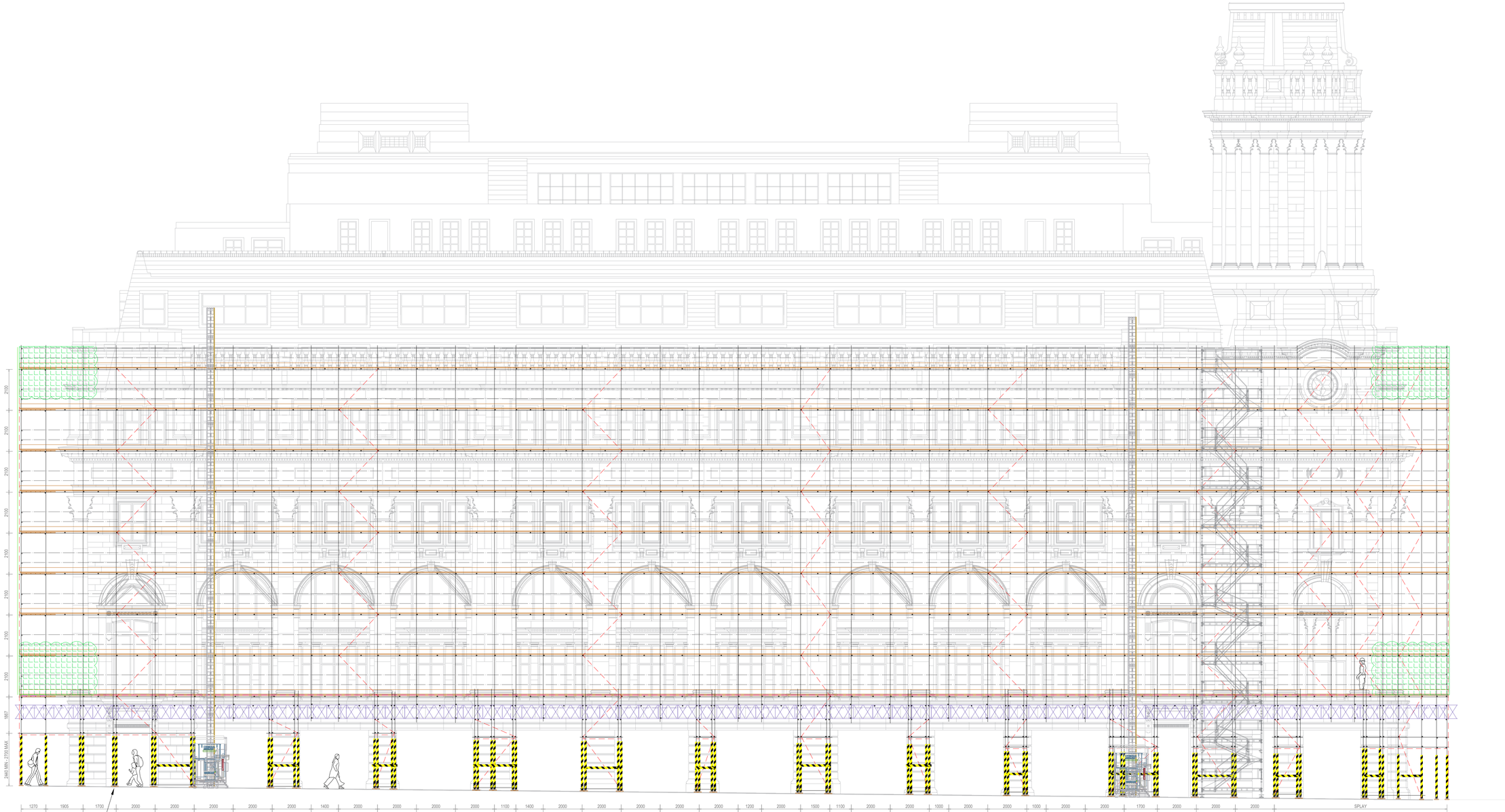
TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
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5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED



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ADDITIONAL DOUBLE STANDARD TO EXTEND TO FIRST BOARDED LIFT ONLY.

STANDARD INSTALLED WITHIN 150mm-200mm OF ORIGINAL STANDARD.

ELEVATION VIEW - MARKET STREET

1:100

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MAX AXIAL LOAD:	25.13 kN
MAX BEARING PRESSURE:	248.00 kN/m2
MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD ELEVATION VIEW

G B SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS

THIS SYMBOL DENOTES DESIGN RESIDUAL HAZARDS HAVE NOT BEEN ELIMINATED AND REMAIN ON THE SCAFFOLD. ACTIONS ARE REQUIRED BY CLIENT

CLIENT: CRAVEN SCAFFOLDING LTD
SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 4 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

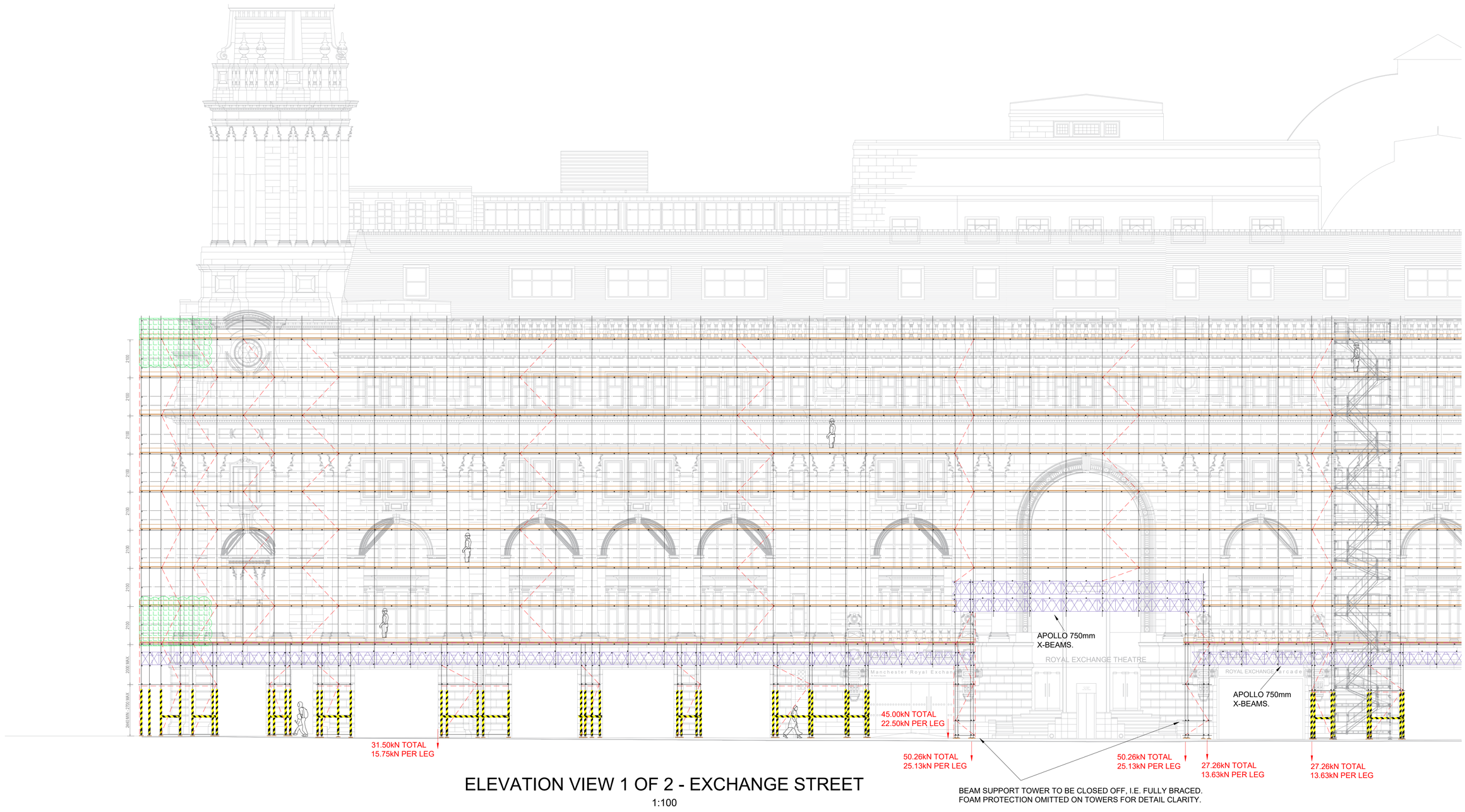
TUBE
BRACING
HANDRAILS
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BEAM 2
BEAM 2 BRACING
BOARDS
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IMPOSED LOADING

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PROTECTION FAN	@	1.00kN/m2
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SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
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6 - SCAFFOLD MAY BE MONARFLEX SHEETED



ELEVATION VIEW 1 OF 2 - EXCHANGE STREET

1:100

BEAM SUPPORT TOWER TO BE CLOSED OFF, I.E. FULLY BRACED.
FOAM PROTECTION OMITTED ON TOWERS FOR DETAIL CLARITY.

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MAX AXIAL LOAD:	25.13 kN
MAX BEARING PRESSURE:	248.00 kN/m2
MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD ELEVATION VIEW

GB SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS

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SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 5 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

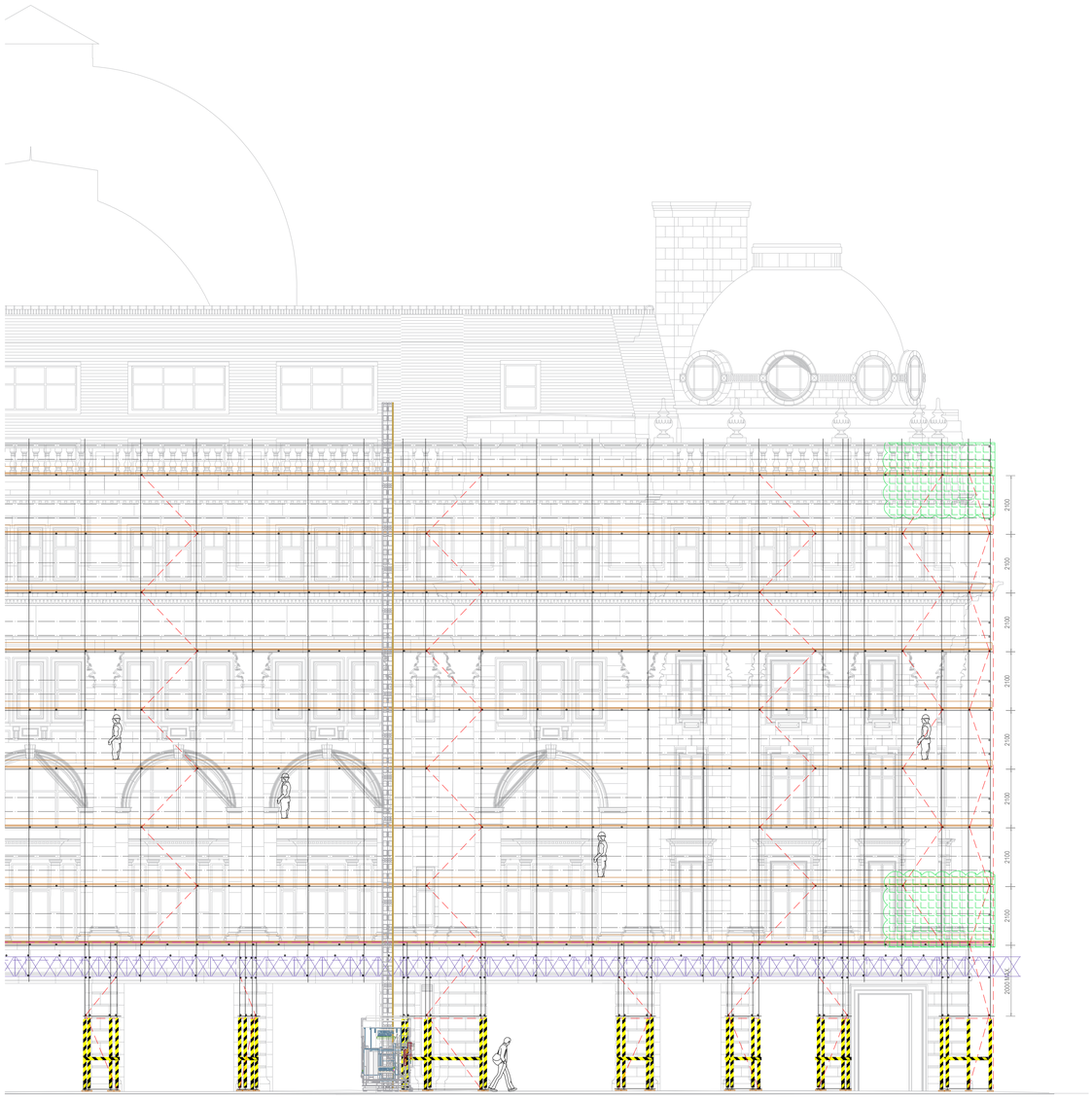
TUBE
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TIES

IMPOSED LOADING

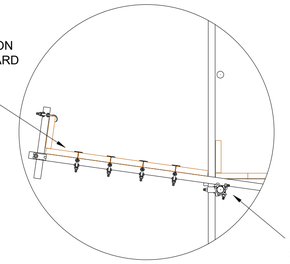
1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
2 - CLASS B COUPLERS TO BE USED UNLESS SPECIFIED OTHERWISE
3 - LADDER ACCESS TO BE DETERMINED ON SITE TO SUIT IF NOT SHOWN
4 - ALL LOADS FROM TIES AND FOUNDATIONS ARE ALLOWED BY CLIENT
5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED



ELEVATION VIEW 2 OF 2 - EXCHANGE STREET
1:100



PROTECTION FAN DETAIL
1:20

PROTECTION FAN

PROTECTION FAN IS PROVIDED TO RESTRAIN OBJECTS SUCH AS BRICKS AND AGGREGATES, NOT PERSONS.

MAXIMUM EQUIVALENT STATIC LOAD ONTO FAN: 1.00kN/m² MAXIMUM.

TESTING OF ANCHORS

PRELIMINARY TESTING

THE FOLLOWING RULES APPLY WHEN INSTALLING ANCHORS INTO ANY BASE MATERIAL OTHER THAN CONCRETE :-

PRELIMINARY TESTING TO BE CARRIED OUT ON A TOTAL OF 5No. ANCHORS. NOTE, THEY SHOULD BE CARRIED OUT ON SAMPLE ANCHORS IN THE SAME BASE MATERIAL BUT AWAY FROM AREAS WHICH WILL BE USED IN THE JOB. ALL PRELIMINARY TEST ANCHORS SHOULD BE TESTED TO A LOAD OF 2 x THE WORKING LOAD.

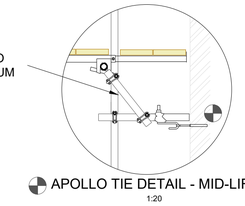
PROOF TEST

A SAMPLE OF ANCHORS TO BE USED SHALL BE TESTED TO 1.25 x THE WORKING LOAD. NOTE, A MINIMUM OF 3 ANCHORS SHALL BE TESTED & AT LEAST 5% (1 IN 20) CHOSEN AT RANDOM & SPREAD EVENLY THROUGHOUT THE WHOLE JOB.

MAX. TIE LOAD FOR ALL TIES INTO THE STRUCTURE = 4.91kN

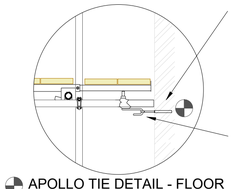
PRELIMINARY TESTING TO BE CARRIED OUT ON 5No. ANCHORS IN TOTAL WITH EACH ANCHOR TESTED TO A LOAD OF 9.82kN PLEASE REFER TO 'TESTING OF ANCHORS' GUIDANCE NOTE ABOVE

PROOF TESTING TO BE CARRIED OUT ON A MINIMUM OF 3No. ANCHORS. PROOF TEST LOAD = 6.14kN



APOLLO TIE DETAIL - MID-LIFT
1:20

WHERE TIES ARE INSTALLED MORE THAN 300mm FROM NODE POINT, TIES MUST BE BRACED BACK TO BOTH LIFT HEIGHT NODE POINTS USING LEDGER BRACING.



APOLLO TIE DETAIL - FLOOR LEVEL
1:20

USE OF PREFABRICATED STRUCTURAL TRANSOM UNITS:

LEDGER BRACING MAY BE OMITTED (WHILST USING PREFABRICATED STRUCTURAL TRANSOM UNITS) IN BAYS WHERE DEBRIS NETTING OR SHEETING IS APPLIED.



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MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD ELEVATION VIEW

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DESIGN RESIDUAL HAZARDS
THIS SYMBOL DENOTES DESIGN RESIDUAL HAZARDS HAVE NOT BEEN ELIMINATED AND REMAIN ON THE SCAFFOLD. ACTIONS ARE REQUIRED BY CLIENT

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GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 6 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

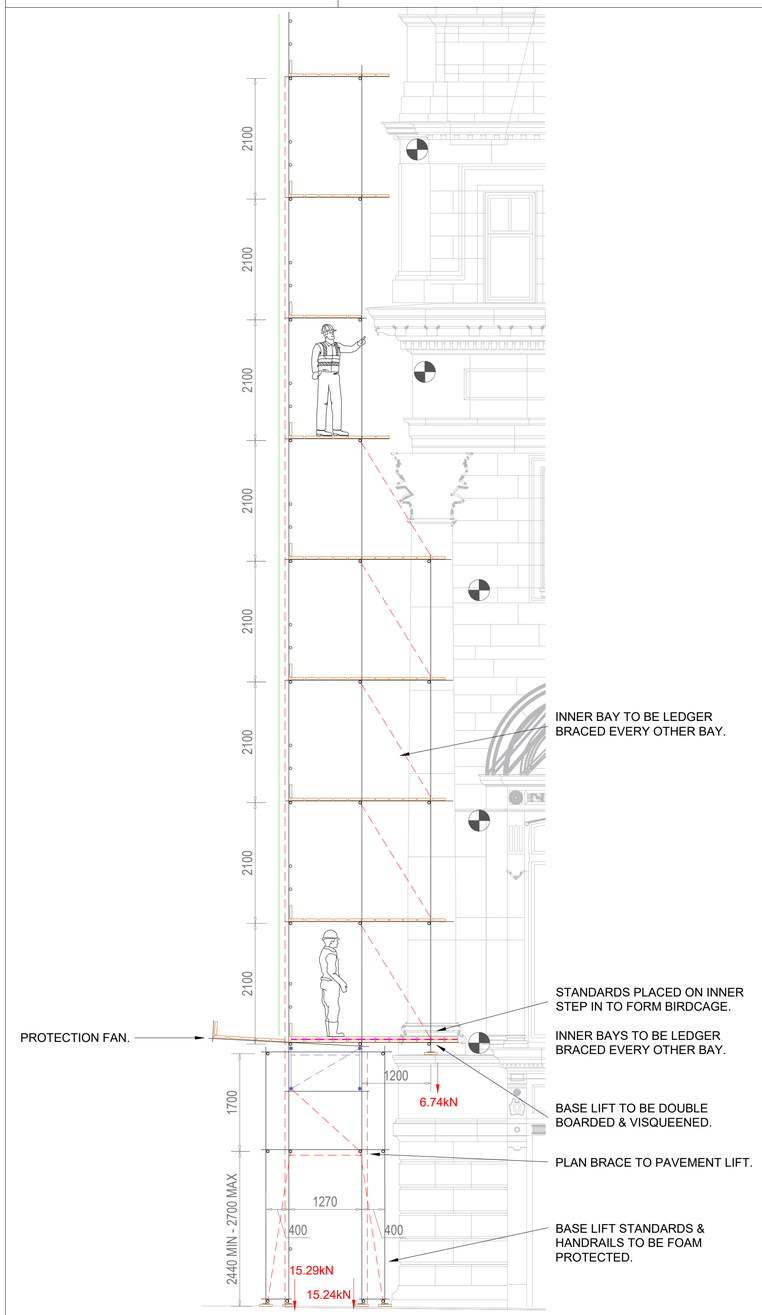
TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

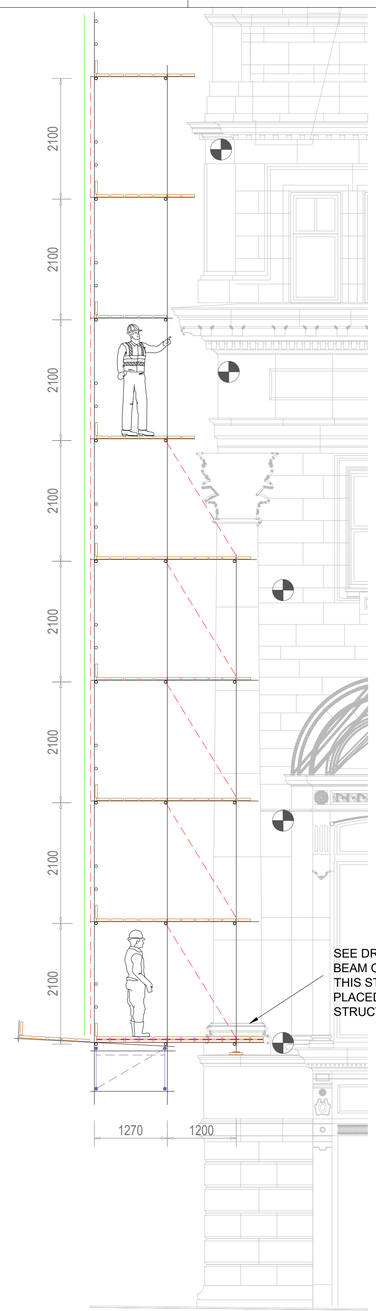
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SPECIFIC DETAILS

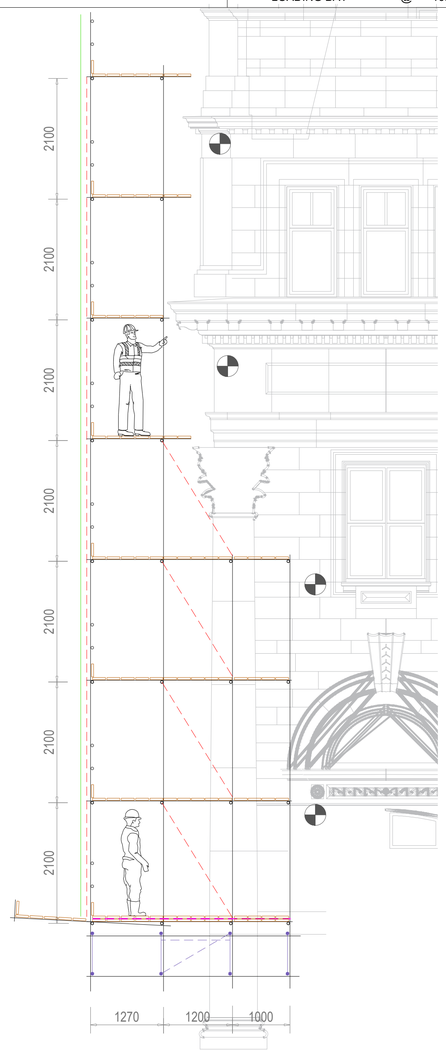
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SECTION A-A - CROSS STREET 1:50



SECTION B-B - CROSS STREET 1:50



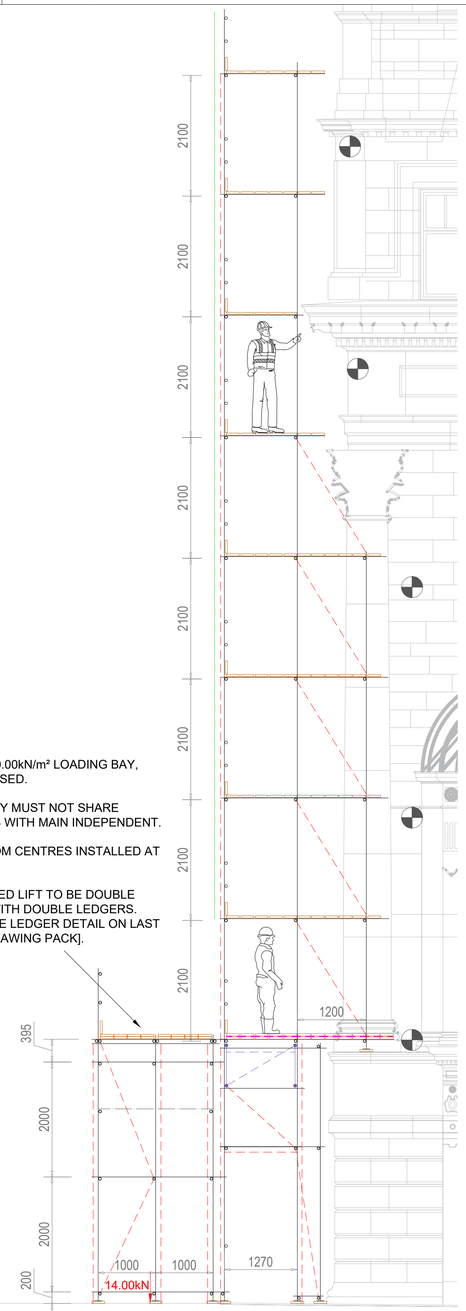
SECTION C-C - CROSS STREET 1:50

DENOTES 10.00kN/m² LOADING BAY, GROUND BASED.

LOADING BAY MUST NOT SHARE STANDARDS WITH MAIN INDEPENDENT.

L.B. TRANSOM CENTRES INSTALLED AT 0.50m C/C.

TOP BOARDED LIFT TO BE DOUBLE BOARDED WITH DOUBLE LEDGERS. [SEE DOUBLE LEDGER DETAIL ON LAST PAGE OF DRAWING PACK].



SECTION D-D - CROSS STREET 1:50

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PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD CROSS STREET SECTIONS

G B SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS
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DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 7 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

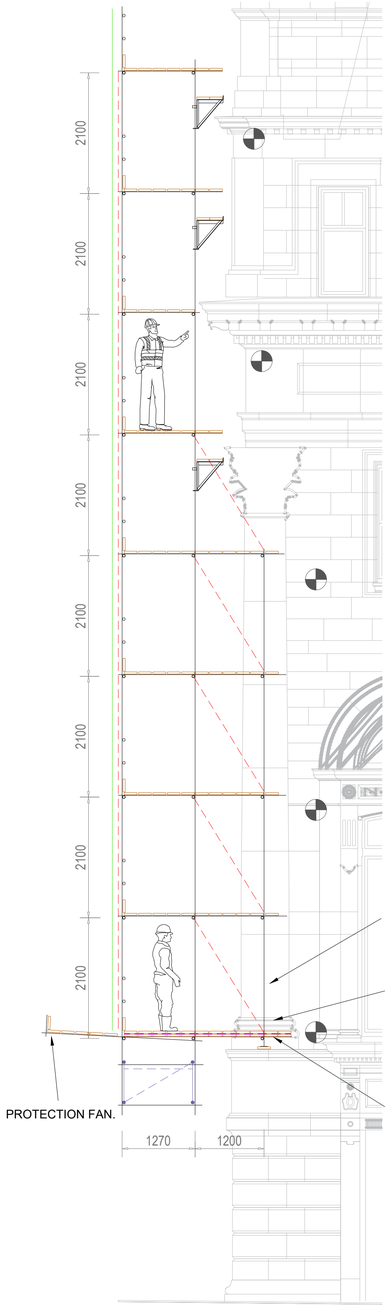
TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

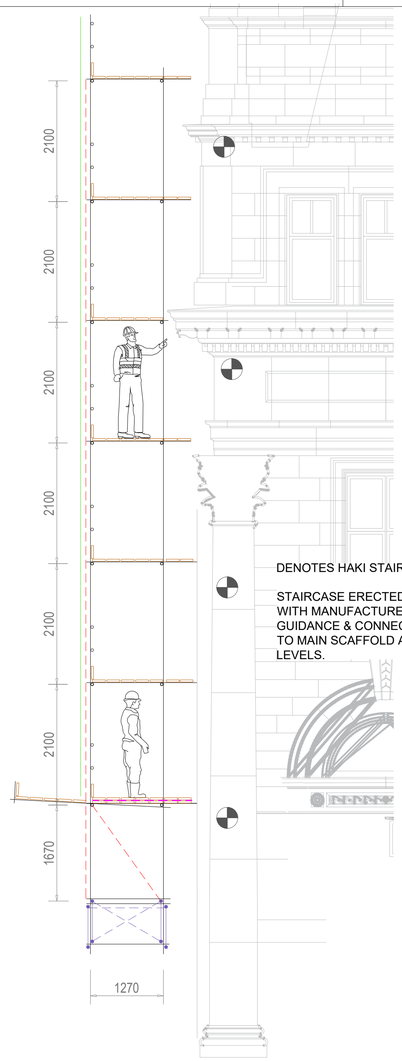
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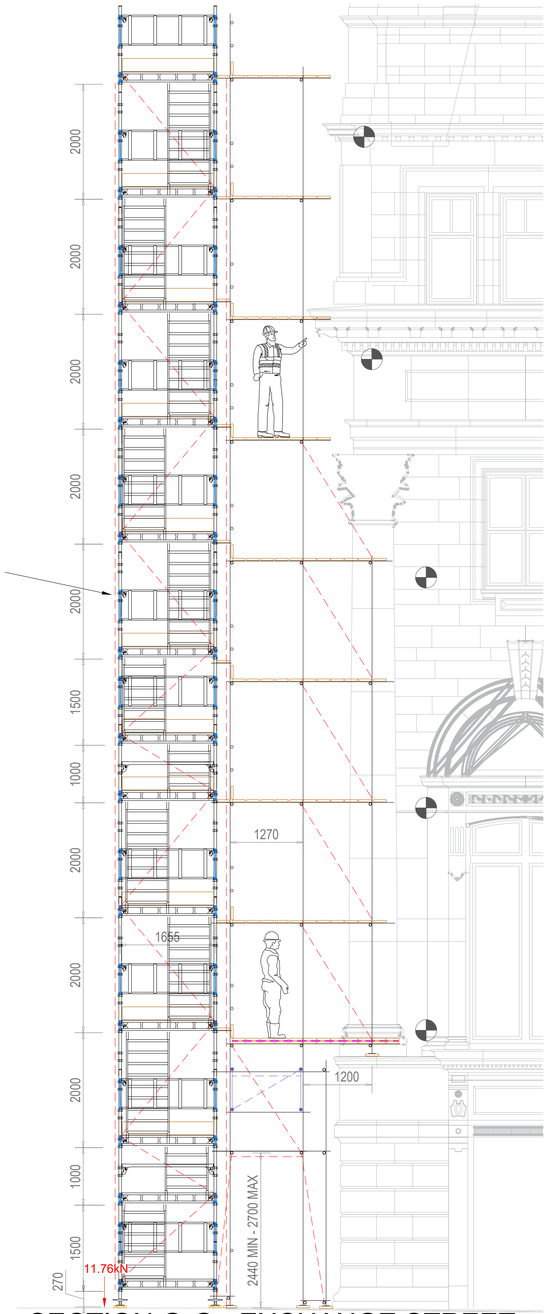
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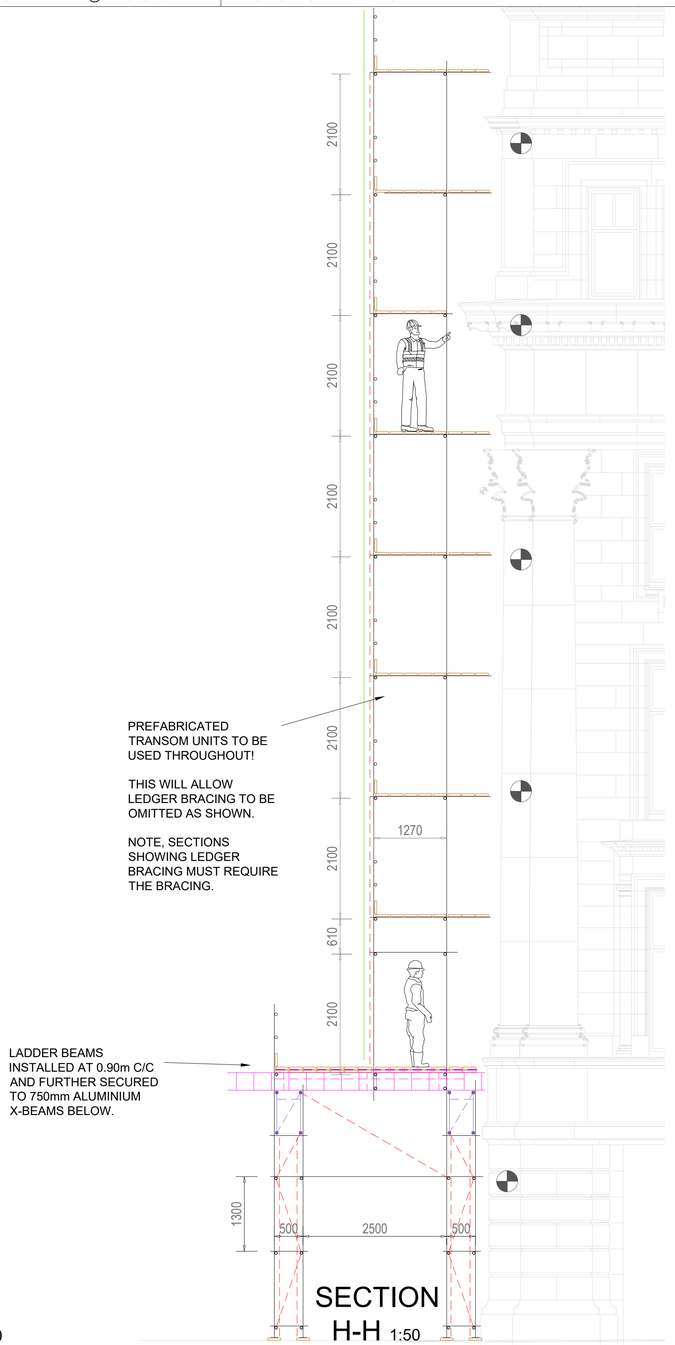
SECTION E-E - EXCHANGE STREET 1:50



SECTION F-F - EXCHANGE STREET 1:50



SECTION G-G - EXCHANGE STREET 1:50



SECTION H-H 1:50

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A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
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CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD EXCHANGE STREET SECTIONS

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GB DWG NO: GB-DWG-2026-312
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 | REV: B | SHEET: 8 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

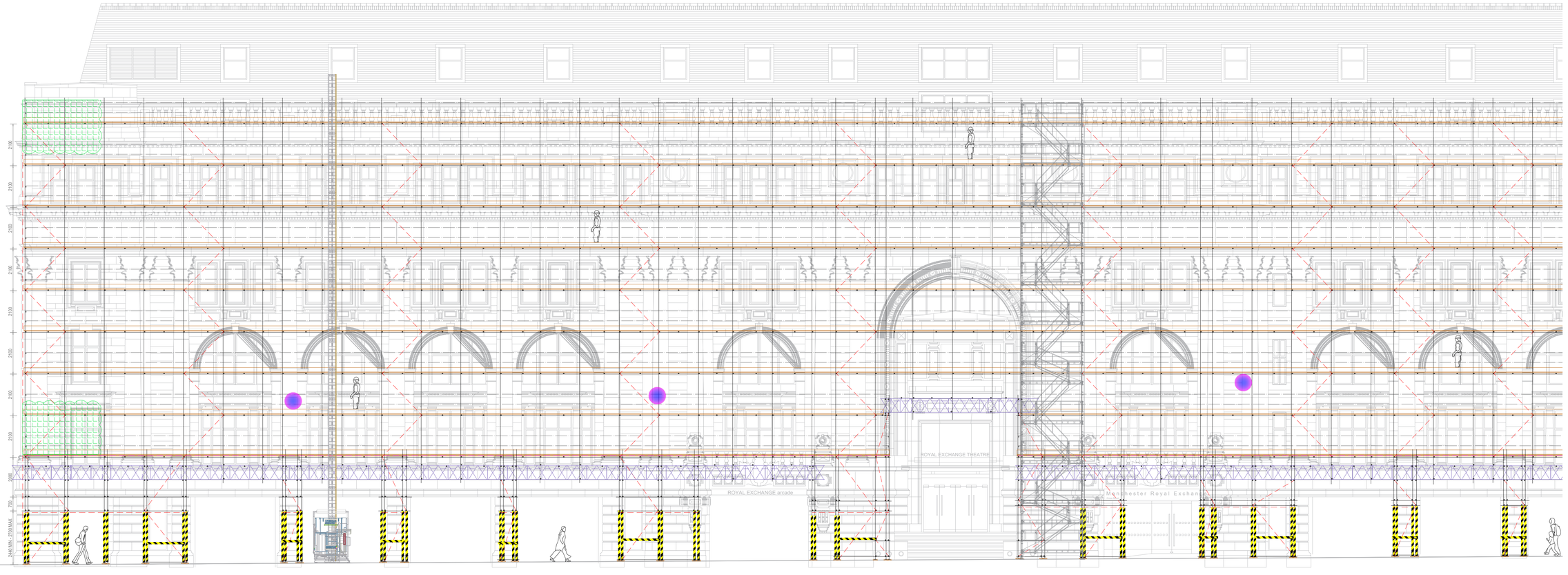
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DENOTES EXISTING METROLINK SUPORT CABLES FIXED TO BUILDING FABRIC.

SEE DRAWING PAGE 11 FOR MORE DETAIL.



ELEVATION VIEW 1 OF 2 - CROSS STREET

1:100

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CONSTRUCTION DRAWING

PAPER A1

TITLE
PERIMETER ACCESS SCAFFOLD
EXCHANGE STREET SECTIONS

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DRAWN BY A. NAWAZ DATE 26/01/2026
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SCALE 1:100 REV B SHEET 9 OF 13

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TOP CHORDS LACED AT XX C/C
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LEGEND

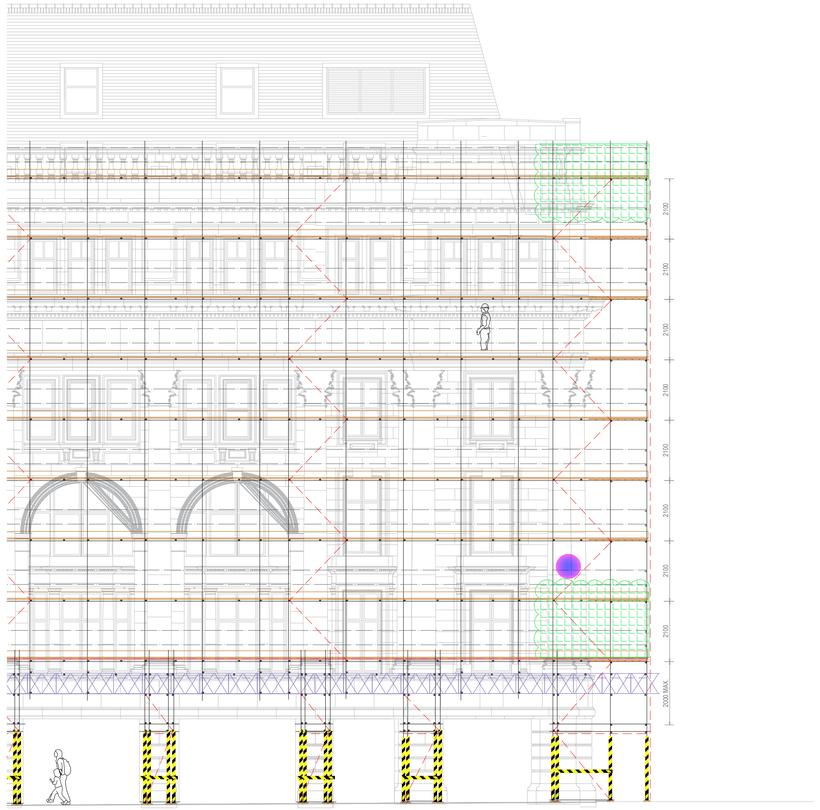
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PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
2 - CLASS B COUPLERS TO BE USED UNLESS SPECIFIED OTHERWISE
3 - LADDER ACCESS TO BE DETERMINED ON SITE TO SUIT IF NOT SHOWN
4 - ALL LOADS FROM TIES AND FOUNDATIONS ARE ALLOWED BY CLIENT
5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED



ELEVATION VIEW 2 OF 2 - CROSS STREET

1:100

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ALL STANDARDS TO BE BASED ON MILD STEEL 125MM X 125MM BASE PLATES AND ANY ADDITIONAL FOUNDATION DETAIL AS SHOWN ON THE DRAWING

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MAX TIE LOAD: 4.91 kN
MAX AXIAL LOAD: 25.13 kN
MAX BEARING PRESSURE: 248.00 kN/m2

MONTH OF ERECTION: UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED: LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE: PERIMETER ACCESS SCAFFOLD EXCHANGE STREET SECTIONS

G B SCAFFOLD DESIGN

DESIGN RESIDUAL HAZARDS
THIS SYMBOL DENOTES DESIGN RESIDUAL HAZARDS HAVE NOT BEEN ELIMINATED AND REMAIN ON THE SCAFFOLD. ACTIONS ARE REQUIRED BY CLIENT

CLIENT: CRAVEN SCAFFOLDING LTD
SITE: ROYAL EXCHANGE, MANCHESTER
GB DWG NO: **GB-DWG-2026-312**
DRAWN BY: A. NAWAZ — DATE: 26/01/2026
CHECKED BY: A. SNADDON — DATE: 26/01/2026
SCALE: 1:100 — REV: B — SHEET: 10 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

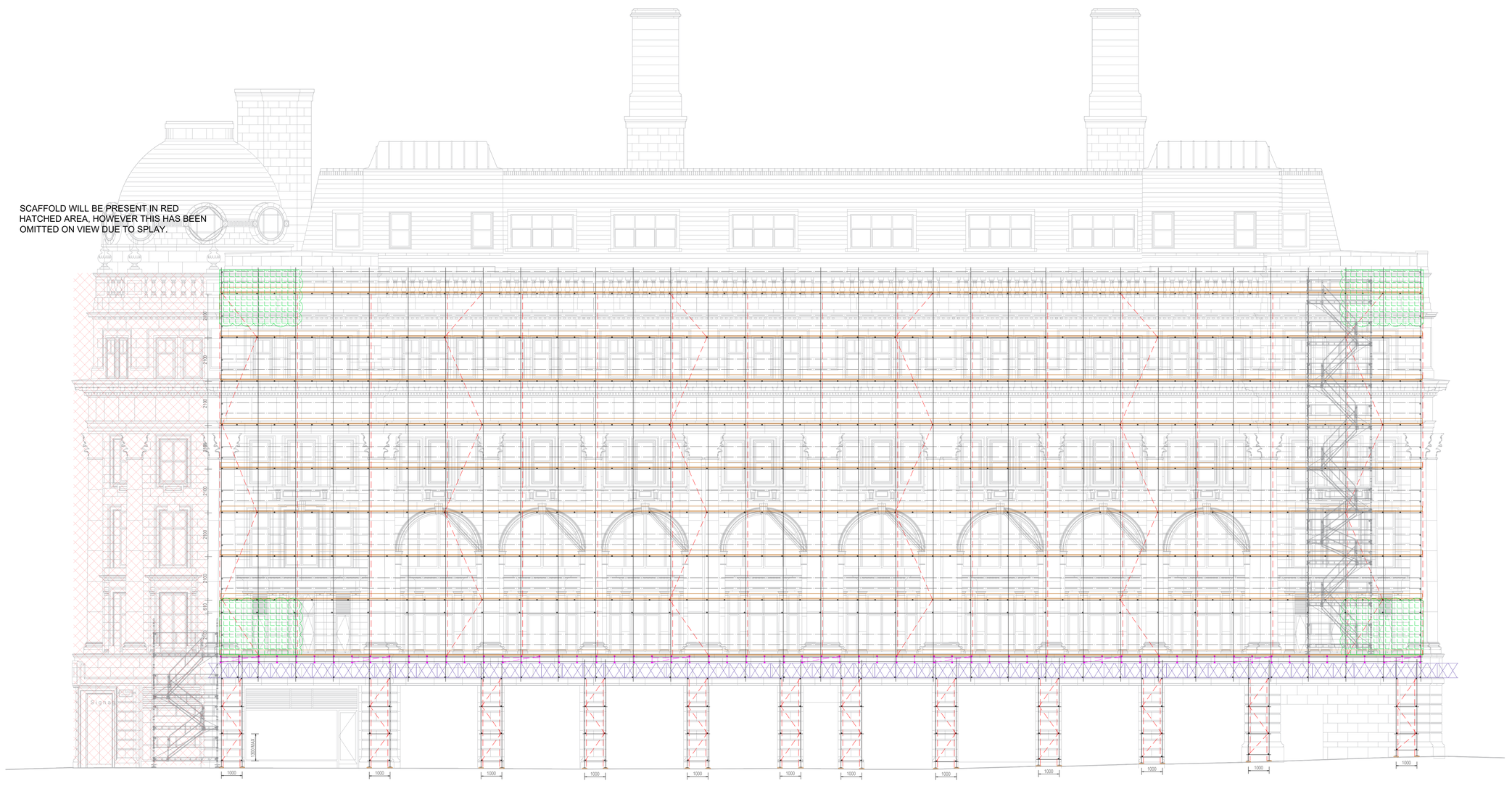
IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
INSIDE BOARDS	@	0.75kN/m2
PROTECTION FAN	@	1.00kN/m2
STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

1 - ALL BOARD BEARING TRANSOMS TO BE SPACED AT MAX. 1.00m C/C
2 - CLASS B COUPLERS TO BE USED UNLESS SPECIFIED OTHERWISE
3 - LADDER ACCESS TO BE DETERMINED ON SITE TO SUIT IF NOT SHOWN
4 - ALL LOADS FROM TIES AND FOUNDATIONS ARE ALLOWED BY CLIENT
5 - SCAFFOLD ERECTED IN TYPE 3 HIGH TENSILE SCAFFOLD TUBE
6 - SCAFFOLD MAY BE MONARFLEX SHEETED

SCAFFOLD WILL BE PRESENT IN RED HATCHED AREA, HOWEVER THIS HAS BEEN OMITTED ON VIEW DUE TO SPLAY.


2100
2100
2700
2700
2700
2400
1810
700
1000
1000
1000

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

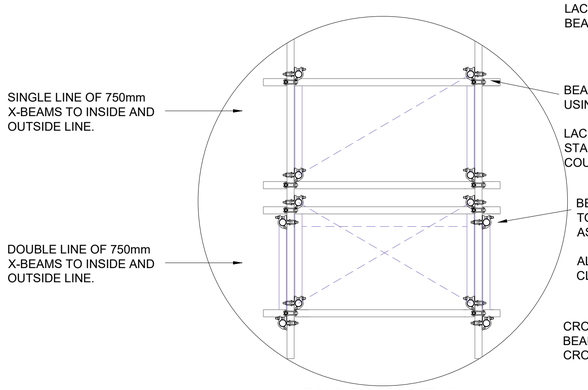
TUBE
BRACING
HANDRAILS
BEAM 1
BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

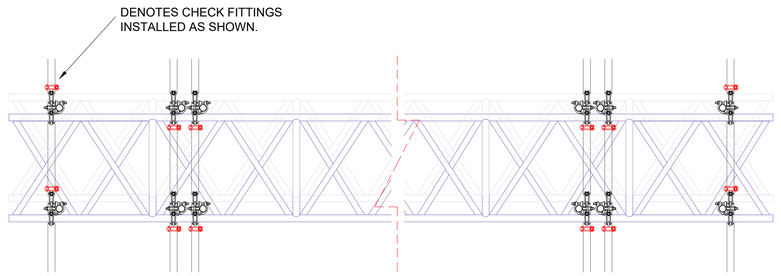
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STAIRCASE	@	1.00kN/m2
LOADING BAY	@	10.00kN/m2

SPECIFIC DETAILS

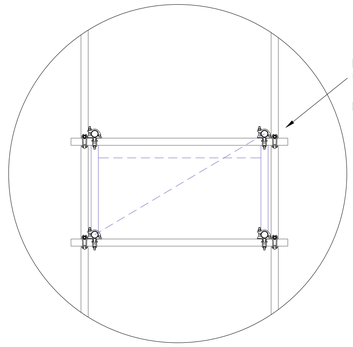
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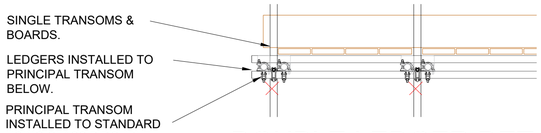
DOUBLE BEAM DETAIL
EXCHANGE STREET - LARGE BEAM SPAN
1:20



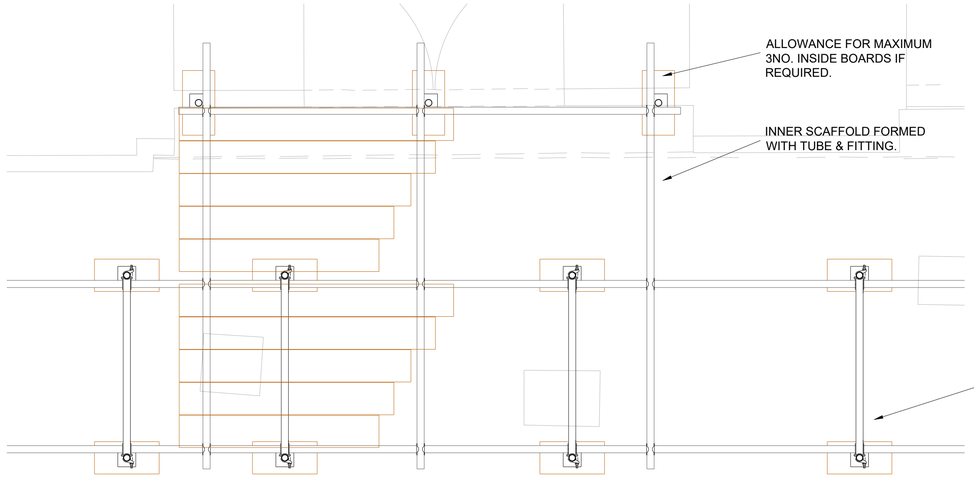
DOUBLE BEAM DETAIL
EXCHANGE STREET - LARGE BEAM SPAN
1:20



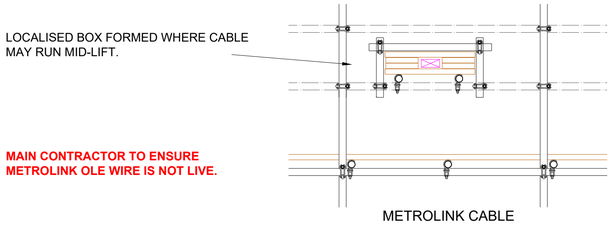
ALL OTHER SINGLE BEAM DETAIL
1:20



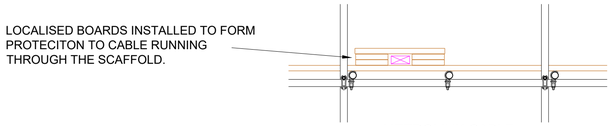
DOUBLE LEDGER DETAIL
1:20



SCAFFOLD SET OUT DETAIL
1:20



METROLINK CABLE PROTECTION - OPTION 1
1:20



METROLINK CABLE PROTECTION - OPTION 2
1:20

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MONTH OF ERECTION:	UNKNOWN
PERIOD SCAFFOLD TO BE ERECTED:	LESS THAN 2 YEARS

REV	DESCRIPTION	CHG	CHK	DATE
A	CROSS STREET ELEVATION ADDED	AN	AS	03/02/26
B	OLD BANK ST. ELEVATION ADDED	AN	AS	17/08/26

CONSTRUCTION DRAWING

PAPER A1

TITLE
PERIMETER ACCESS SCAFFOLD KEY DETAILS

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DESIGN RESIDUAL HAZARDS
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GB DWG NO **GB-DWG-2026-312**
DRAWN BY A. NAWAZ — DATE 26/01/2026
CHECKED BY A. SNADDON — DATE 26/01/2026
SCALE 1:100 — REV B — SHEET 12 OF 13

BEAMS USED

APOLLO 450/mm750mm X-BEAMS
305mm STEEL LADDER BEAMS

BEAM BRACING

BEAM 1 - APOLLO 750mm X-BEAM / 450 BEAMS
TOP CHORDS LACED AT 1.00m C/C
BOTTOM CHORDS LACED AT 2.00m C/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT 2.00m C/C

BEAM 2 - 305mm STEEL LADDER BEAM
TOP CHORDS LACED AT XX C/C
BOTTOM CHORDS LACED AT XXC/C
PLAN BRACING TO TOP CHORD
CROSS BRACING AT XX C/C

LEGEND

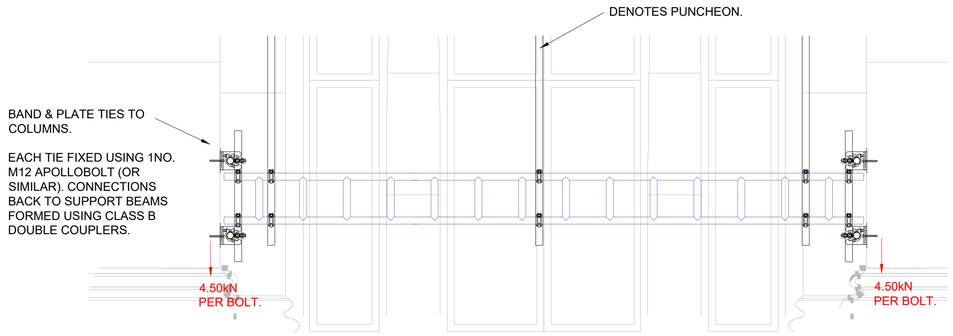
TUBE
BRACING
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BEAM 1 BRACING
BEAM 2
BEAM 2 BRACING
BOARDS
SOLE PAD
SHEETING
CHECK FITTING
TIES

IMPOSED LOADING

1NO BOARDED LIFT	@	1.50kN/m2
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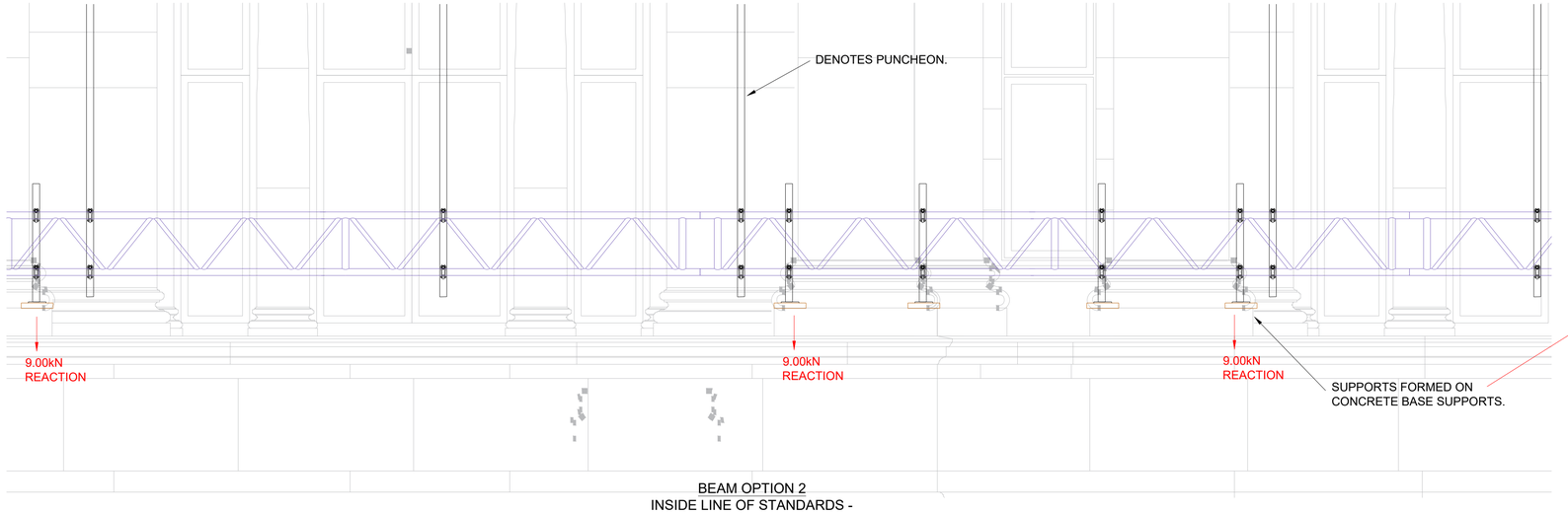
SPECIFIC DETAILS

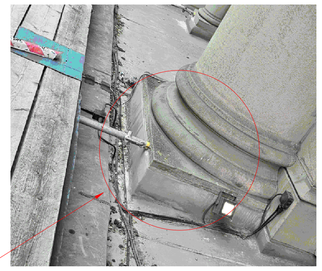
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BEAM OPTION 1
INSIDE LINE OF STANDARDS - SECURED TO COLUMN BASE
1:20

BOTH PROPOSED BEAM OPTIONS REQUIRE LACING TUBES AND LOCALISED BRACING TO BE FORMED BACK TO MAIN SCAFFOLD IN ORDER TO PROVIDE THE BEAM WITH SUFFICIENT STABILITY.





BEAM OPTION 2
INSIDE LINE OF STANDARDS - SECURED TO COLUMN BASE
1:20

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CONSTRUCTION DRAWING

PAPER A1

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PERIMETER ACCESS SCAFFOLD KEY DETAILS

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SCALE 1:100 REV B SHEET 13 OF 13