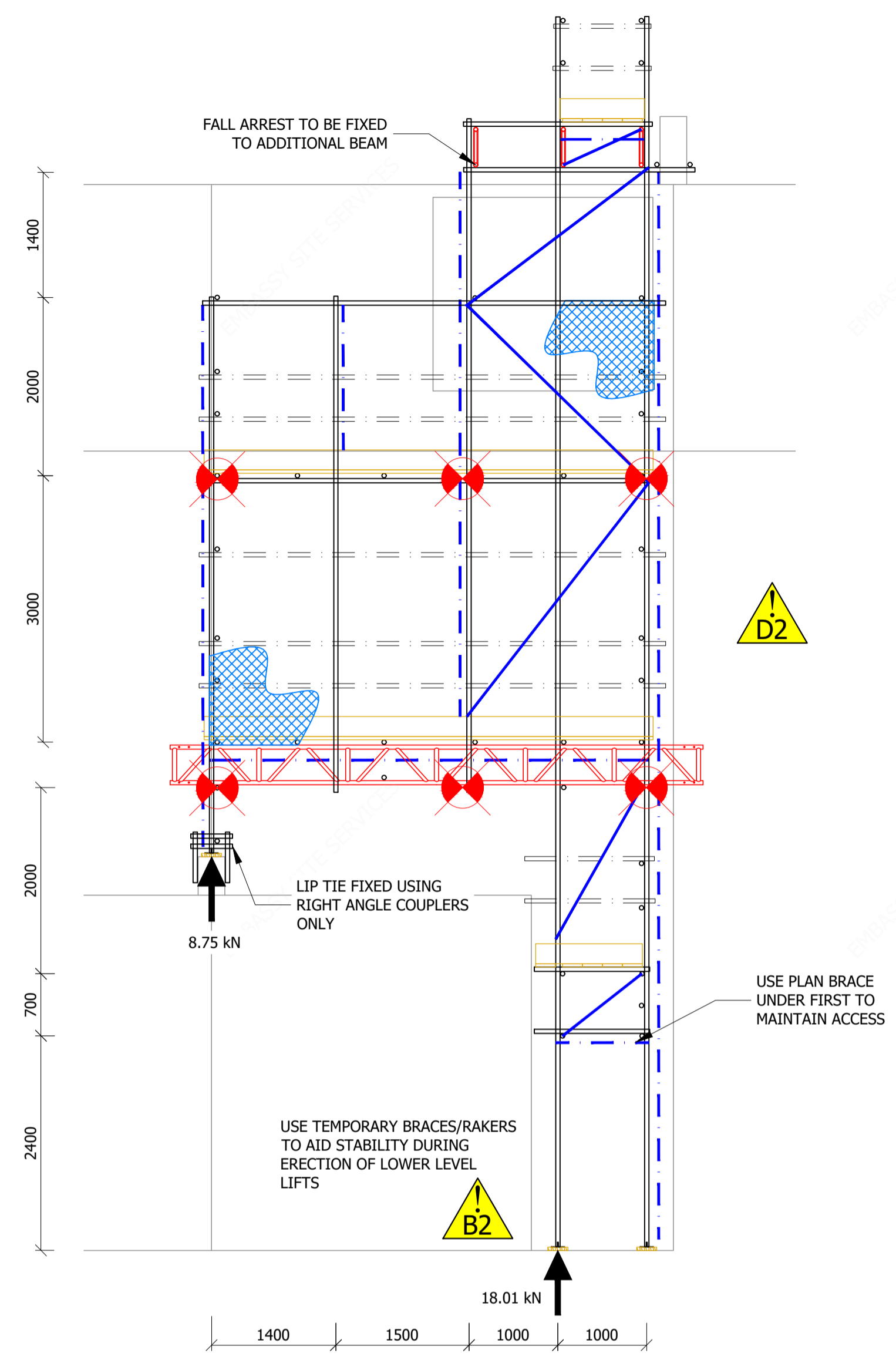
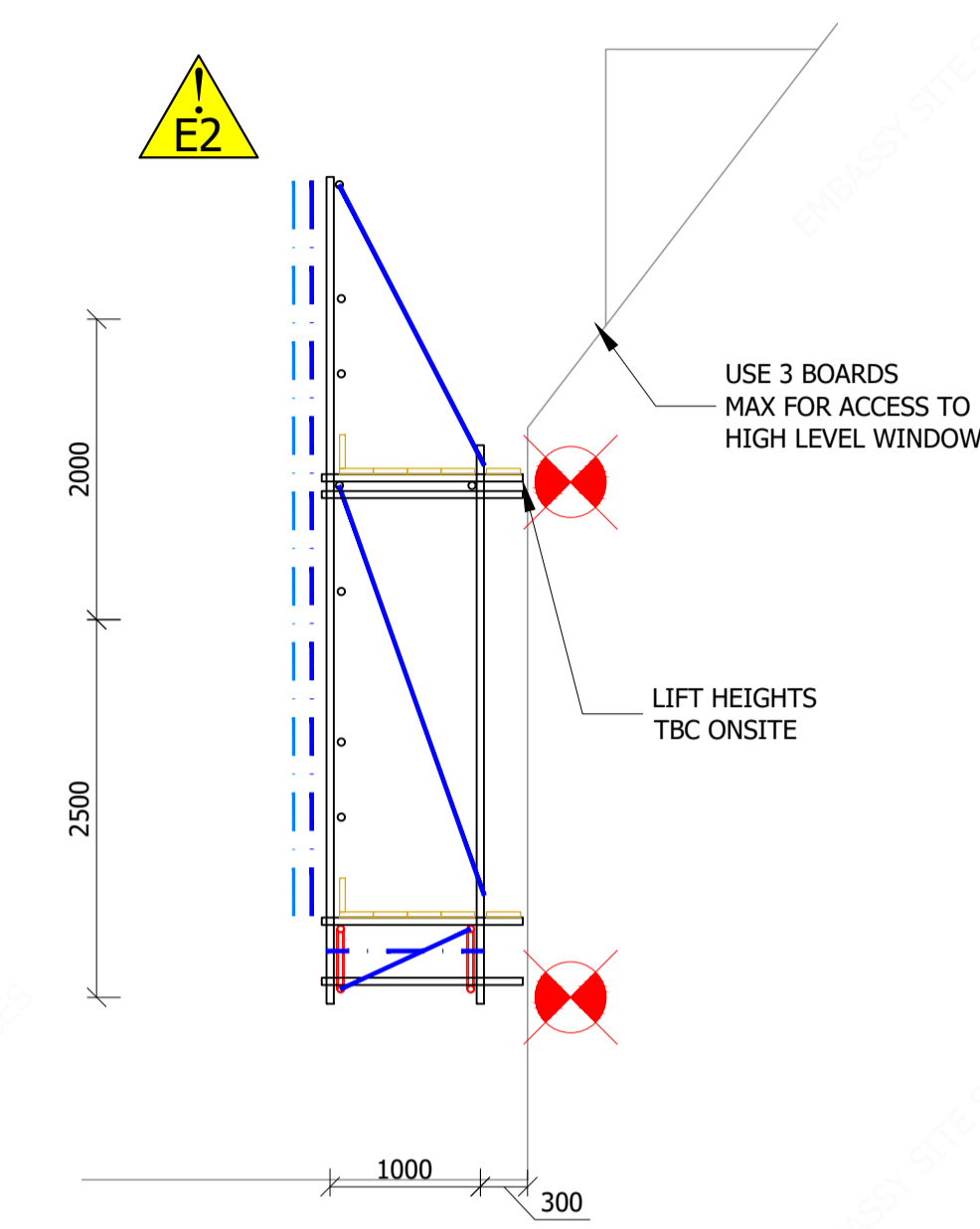


SCAFFOLD BUTT TUBES FIXED TO TOP AND BOTTOM CHORD OF BEAMS USING LOAD BEARING COUPLERS ONLY



ELEVATION A-A



SECTION B-B

SCAFFOLD ERECTION NOTES

**STANDARDS**  
MAXIMUM LIFT HEIGHT 2500mm.

**TRANSOMS**  
TRANSOMS CENTRES OF 1000mm MUST NOT BE EXCEEDED WITH ADDITIONAL TRANSOMS AT BOARD JOINTS.  
MAXIMUM SHORT SPAN 1000mm.  
BOARDS SHORTER THAN 1200mm TO HAVE A MINIMUM OF 3 TRANSOM.

**STRUCTURAL TRANSOMS**  
STRUCTURAL TRANSOMS TO BE FIXED AS SHOWN USING LOAD BEARING COUPLERS.

**LEDGERS**  
MAXIMUM LEDGER SPAN 1900mm.

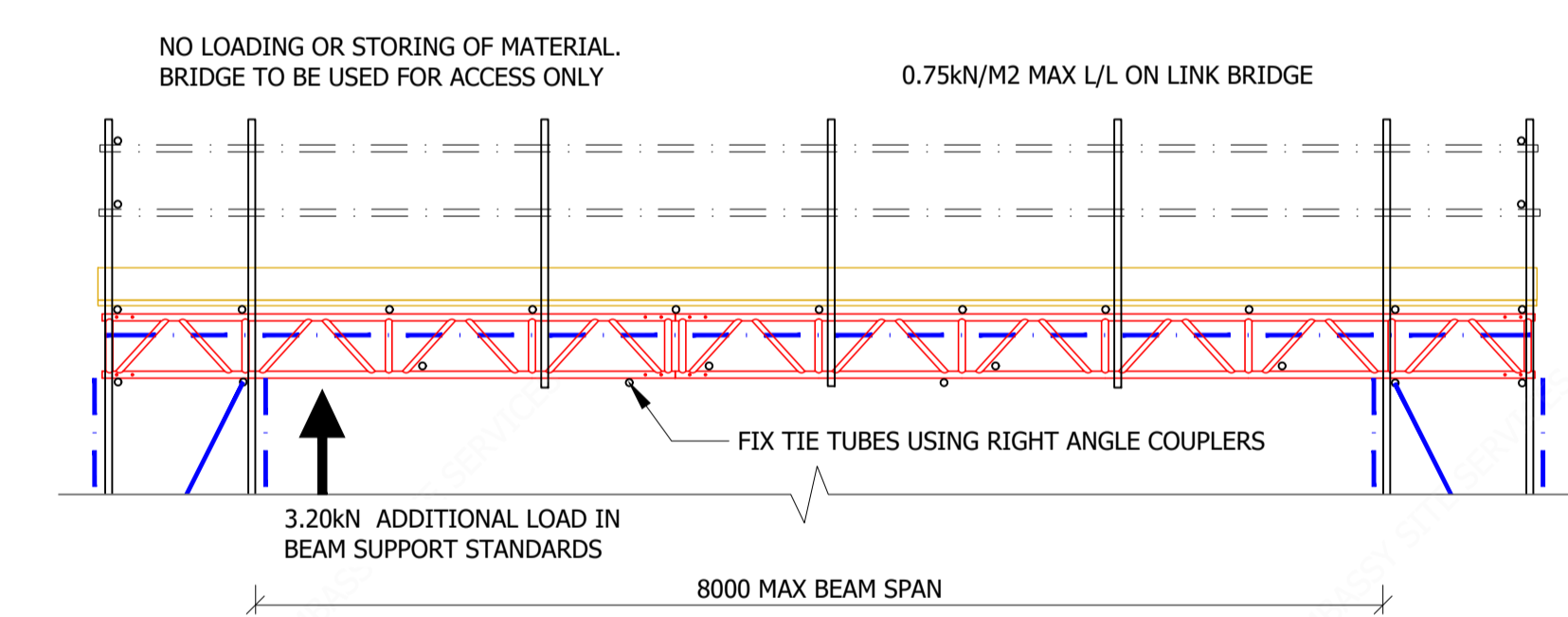
**PUNCHEONS**  
PUNCHEONS INDICATED THUS. FIX TO BOTH CHORDS OF BEAMS USING LOAD BEARING COUPLERS.

**BOARDS**  
USE 38mm SCAFFOLD BOARDS.  
SHORT BOARDS (LESS THAN 2400mm) TO BE FIXED DOWN USING BOARD CLAMPS.  
BOARD OVERHANG TO BE BETWEEN 50mm AND 150mm MAX.

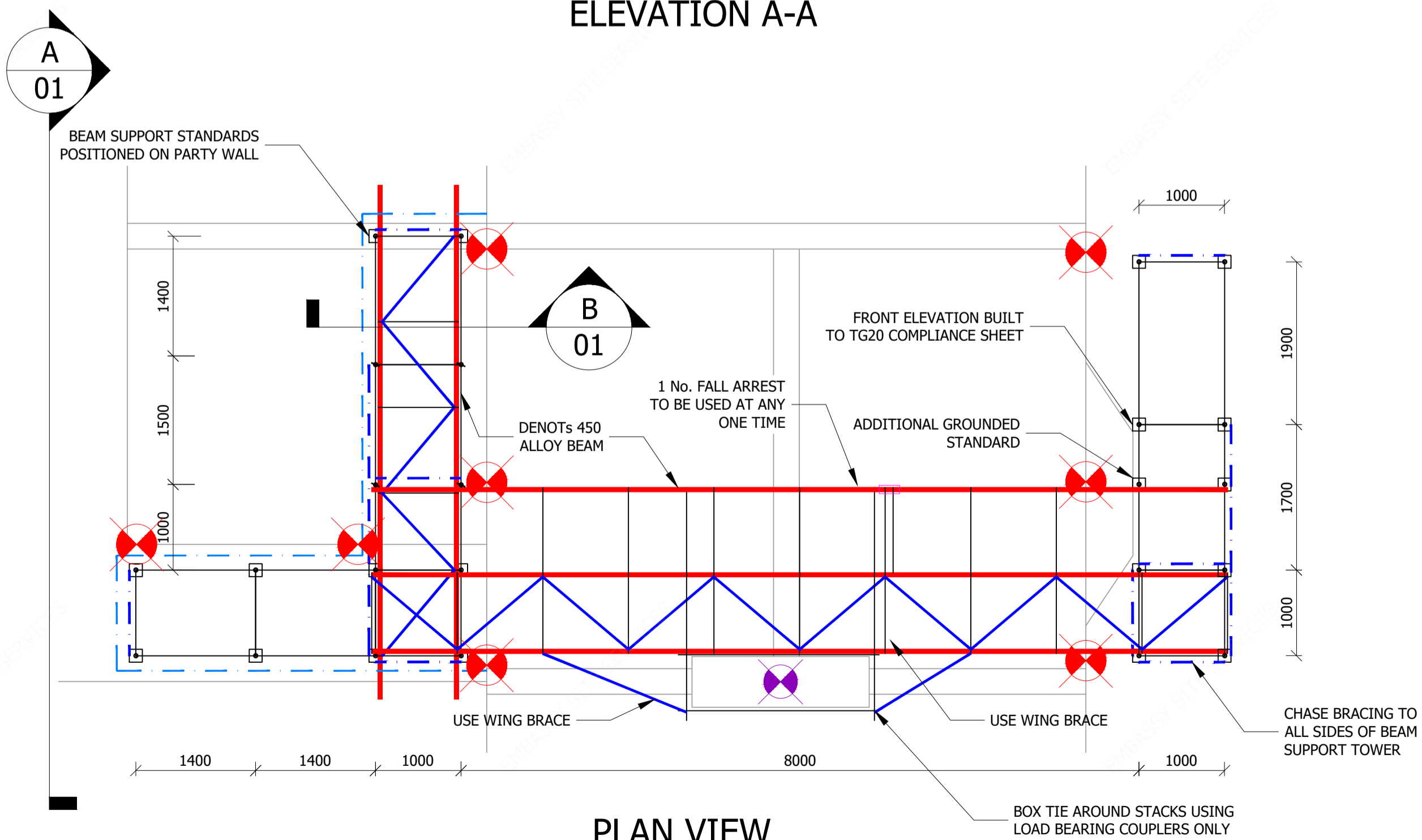
**BRACING**  
BRACES FIXED TO BAYS INDICATED USING LOAD BEARING COUPLERS.  
USE 450 ALLOY BEAMS  
TOP CHORD RESTRAINT @ 1.0M C/C MAX.  
BOTTOM CHORD RESTRAINT @ 2.0M C/C MAX.  
LATERAL BRACING AT @ 2.0M C/C MAX.  
PLAN BRACE FULL LENGTH UNDER TOP CHORD.  
FIX ALL STANDARDS, DROP TUBES OR PUNCHEONS TO BOTH CHORDS USING LOAD BEARING COUPLERS.  
FIX SUPPLEMENTARY COUPLERS AS INDICATED.  
AT SUPPORTS FIX LACING TUBES TO STANDARDS BELOW THE BEAM CHORDS. AT PUNCHEONS AND DROP TUBES FIX LACING TO TUBES ABOVE THE BEAM CHORDS.

**TIES**  
TIES TO BE FIXED IN POSITIONS INDICATED THUS. SEE TIE DETAIL FOR ARRANGEMENT / TYPE.

**DEBRIS NETTING**  
SECURE DEBRIS NETTING TO INSIDE OF THE EXTERNAL PERIMETER OF SCAFFOLD USING CABLE TIES.

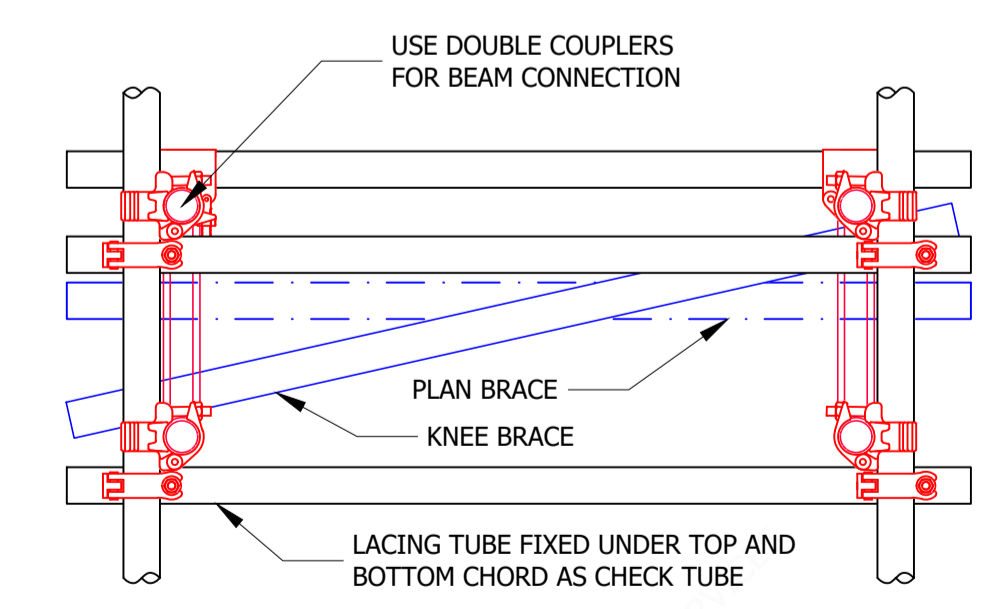


BRIDGING BEAM DETAIL

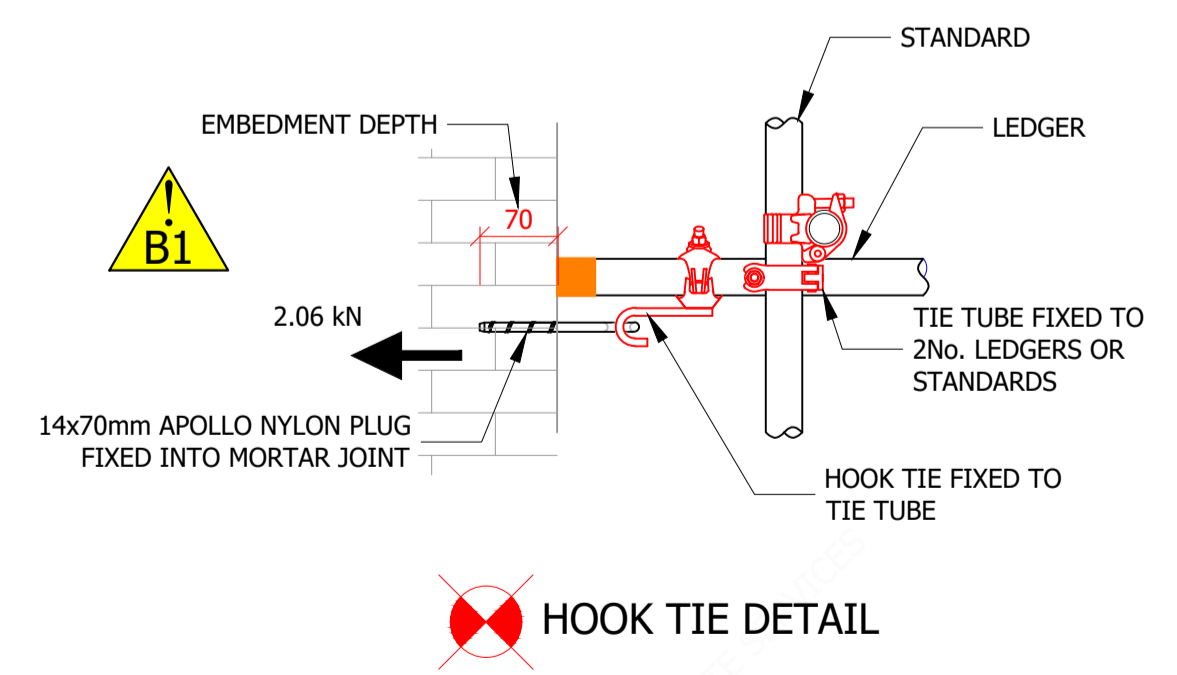


PLAN VIEW

BOARDS AND BOARD BEARING TRANSOMS OMITTED FOR CLARITY



BEAM CONNECTION DETAIL



HOOK TIE DETAIL

THIS DRAWING IS CONFIDENTIAL AND IS THE EXCLUSIVE PROPERTY OF EMBASSY SITE SERVICES. NO UNAUTHORISED USE, COPY OR DISCLOSURE IS TO BE MADE, AND IS TO BE RETURNED UPON REQUEST.

ALL DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN OF THE SCAFFOLD STRUCTURE. EMBASSY WILL NOT ACCEPT RESPONSIBILITY FOR ANY LOSSES, DAMAGES OR INJURY ARISING FROM THE USE OF ANY SCAFFOLD FOR CONSTRUCTION BY ANY PARTY OTHER THAN EMBASSY SITE SERVICES.

ALL DIMENSIONS ARE AS STATED OR AS CALCULATED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DIMENSIONS IN MM UNLESS STATED OTHERWISE (ISO).

CONSTRUCTION IN ACCORDANCE WITH BS EN 12811-1 AND MANUFACTURERS GUIDELINES.

ALL TUBES TO BE STEEL IN ACCORDANCE WITH BS EN 20, UNLESS NOTED OTHERWISE. (EN20). ALL COUPLERS TO COMPLY WITH BS EN 12101. ALL BOARDS TO COMPLY WITH BS EN 12101 UNLESS NOTED OTHERWISE. (EN20). SCAFFOLD ERECTION AND DEMANTING TO COMPLY WITH THE CURRENT REVISION OF SG 4.

ON-SITE: THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015 IN ORDER TO ELIMINATE, REDUCE AND CONTROL RISK. SAFETY, HEALTH AND THE DESIGN RISK ASSESSMENT HAVE BEEN CONSIDERED IN THE PREPARATION, PRODUCTION OF THIS DESIGN THROUGHOUT CO-OPERATION AND CO-ORDINATION WITH OTHERS.

SOME RESIDUAL HAZARDS / RISKS MAY REMAIN. THESE ARE IDENTIFIED WITH A HAZARD SYMBOL AND REFERENCE. EMBASSY OPERATOR MANAGERS AND / OR THE CLIENTS SHOULD ASSESS AND MANAGE THESE RESIDUAL HAZARDS / RISKS. (IF APPLICABLE REFER TO THE DESIGN RISK ASSESSMENT).

**MAXIMUM ALLOWABLE LIVE LOADS**  
1.50kN/m<sup>2</sup> ON 1 No. WORKING PLATFORM (S)  
0.750kN/m<sup>2</sup> ON 1 No. ADDITIONAL PLATFORM (S)  
0.75kN/m<sup>2</sup> ON 1 No. INSIDE BOARD (S)

**ENVIRONMENTAL LOADS**  
0.28kN/m<sup>2</sup> PEAK WIND VELOCITY PRESSURE  
JULY PERIOD OF ERECTION  
8 WEEKS MAXIMUM DURATION OF SCAFFOLD

**INTERFACE LOADS**  
18.01kN MAXIMUM VERTICAL POINT LOAD  
2.06kN CALCULATED HORIZONTAL TIE LOAD







**TIE LOAD TESTING**  
2.60 kN PROOF TEST (F.O.S. 1.25 : 1)  
PROOF TEST 3 No. OR 5% OF TIES (WHICHEVER IS GREATER)

4.50 kN PRELIMINARY TEST LOAD (F.O.S. 2 : 1)  
5 No. ANCHORS IN ALTERNATIVE LOCATION - NOT TO BE USED.

**ASSOCIATED DOCUMENTATION**  
15142-ESS-0047-CAL CALCULATION  
15142-ESS-0047-DRA DESIGNERS RISK ASSESSMENT

**RESIDUAL RISKS**

THE FOLLOWING RESIDUAL RISKS HAVE BEEN IDENTIFIED IN THE DESIGN PROCESS AND ARE HIGHLIGHTED ON THIS DRAWING USING THE FOLLOWING SYMBOLS

-  A1 DESIGNED USE OF SCAFFOLD
-  B1 IMPOSED LOADS TO EXISTING STRUCTURE
-  B2 IMPOSED LOADS TO GROUND
-  C1 POSITION OF SCAFFOLD
-  D1 UNAUTHORISED ADAPTION OF SCAFFOLD
-  E1 WORKING AT HEIGHT

FOR FURTHER INFORMATION PLEASE REFER DESIGNERS RISK ASSESSMENT DOCUMENT: 15142-ESS-0047-DRA

DRAWING STATUS

 ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
P01	ISSUED FOR INTERNAL SIGN OFF	MW	03.07.23
A02	ISSUED FOR APPROVAL	MW	03.07.23
A03	ISSUED FOR APPROVAL	MW	04.07.23
C04	REV A ISSUED FOR CONSTRUCTION	MW	16.07.23
A05	ISSUED FOR APPROVAL	MW	24.01.24
C06	REV A ISSUED FOR CONSTRUCTION	MW	06.02.24

CLIENT  
**WATES**

TITLE  
**REAR ACCESS SCAFFOLD**

SITE  
**127 FAIR BRIDGE ROAD**

SCALE  
1:50 @ A1

DRAWN BY  
M.WARD

03.07.23

PRELIMINARY APPROVAL BY  
00.00.00

CHECKED BY  
00.00.00

CONTRACT DIVISION DESIGN REF DOCUMENT SHEET STATUS  
15142- ESS - 0047 - DRG - 01 - C REV 06