

### SCAFFOLD ERECTION NOTES

**STANDARDS**  
MAXIMUM LIFT HEIGHT 3000mm.

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

**LEDGERS**  
MAXIMUM LEDGER SPAN 2000mm.

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

**CLASS 'B' COUPLERS**  
ONLY CLASS 'B' COUPLERS TO BE USED.

**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.

**BRIDGING 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.

**LADDERS**  
FIX LADDER ACCESSES INSIDE SCAFFOLD WITH SELF CLOSING GATE TO ALLOW ACCESS TO WORKING PLATFORM. LADDER TO BE A MINIMUM OF 1000mm ABOVE PLATFORM, WITH A RAKE OF 1:4.  
LADDER POSITIONS TO BE AGREED ON SITE.

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

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ALL DIMENSIONS ARE AS STATED OR AS CALCULATED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DIMENSIONS IN MM UNLESS STATED OTHERWISE (USG).  
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. (UNO). ALL COUPLERS TO COMPLY WITH BS EN 20, UNLESS NOTED OTHERWISE.  
ALL BOARDS TO COMPLY WITH BS EN 111-1 UNLESS NOTED OTHERWISE. (UNO). SCAFFOLD ERECTION AND DEMANTING TO COMPLY WITH THE CURRENT REVISION OF SS 4.  
EN 2015 - 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. THROUGH 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**

2.00kN/m <sup>2</sup>	ON 1 No. WORKING PLATFORM (S)
1.00kN/m <sup>2</sup>	ON 1 No. ADDITIONAL PLATFORM (S)
0.75kN/m <sup>2</sup>	ON 1 No. INSIDE BOARD (S)
0.75kN/m <sup>2</sup>	ACCESS LINK BRIDGE

**ENVIRONMENTAL LOADS**

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

**INTERFACE LOADS**

15.96kN	MAXIMUM VERTICAL POINT LOAD
3.18kN	CALCULATED HORIZONTAL TIE LOAD

**TIE LOAD TESTING**

4.00 kN	PROOF TEST (F.O.S. 1.25 : 1)
PROOF TEST 3 No. OR 5% OF TIES (WHICHEVER IS GREATER)	







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

**ASSOCIATED DOCUMENTATION**

15257-ESS-0058-CAL	CALCULATION
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**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 GROUND
-  B2 IMPOSED LOADS TO EXISTING STRUCTURE
-  C1 POSITION OF SCAFFOLD
-  D1 UNAUTHORISED ADAPTION OF SCAFFOLD
-  E1 WORKING AT HEIGHT

**DRAWING STATUS**

 ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
P01	ISSUED FOR INTERNAL SIGN OFF	MW	03.08.23
A02	ISSUED FOR APPROVAL	MW	03.08.23
C03	REV A ISSUED FOR CONSTRUCTION	MW	08.08.23

CLIENT  
**WATES**

TITLE  
**ACCESS SCAFFOLD WITH LINK BRIDGE**

SITE  
**174 TUFNELL PARK ROAD**

SCALE  
1:50 @ A1

DRAWN BY  
M.WARD

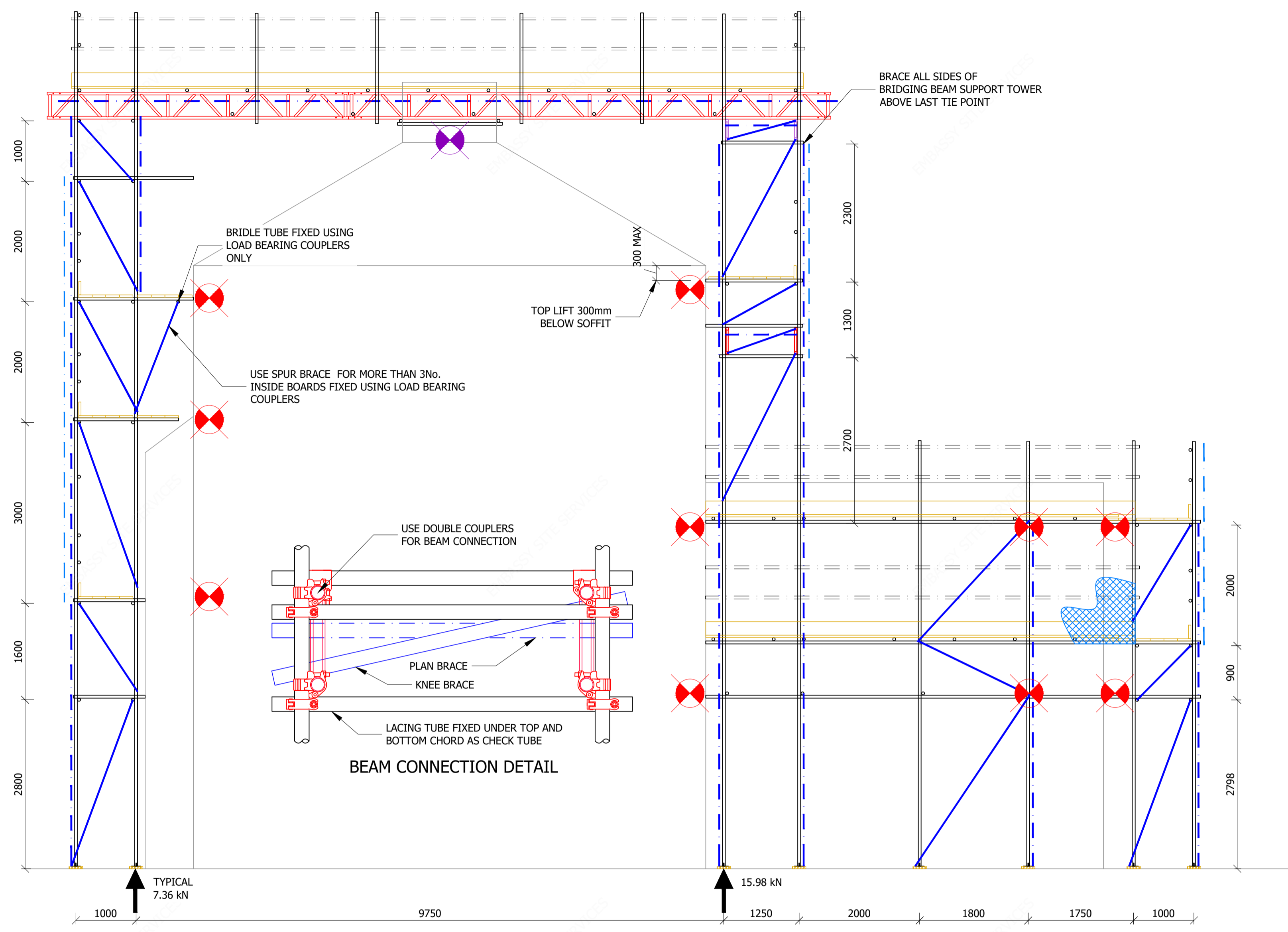
03.08.23

PRELIMINARY APPROVAL BY  
00.00.00

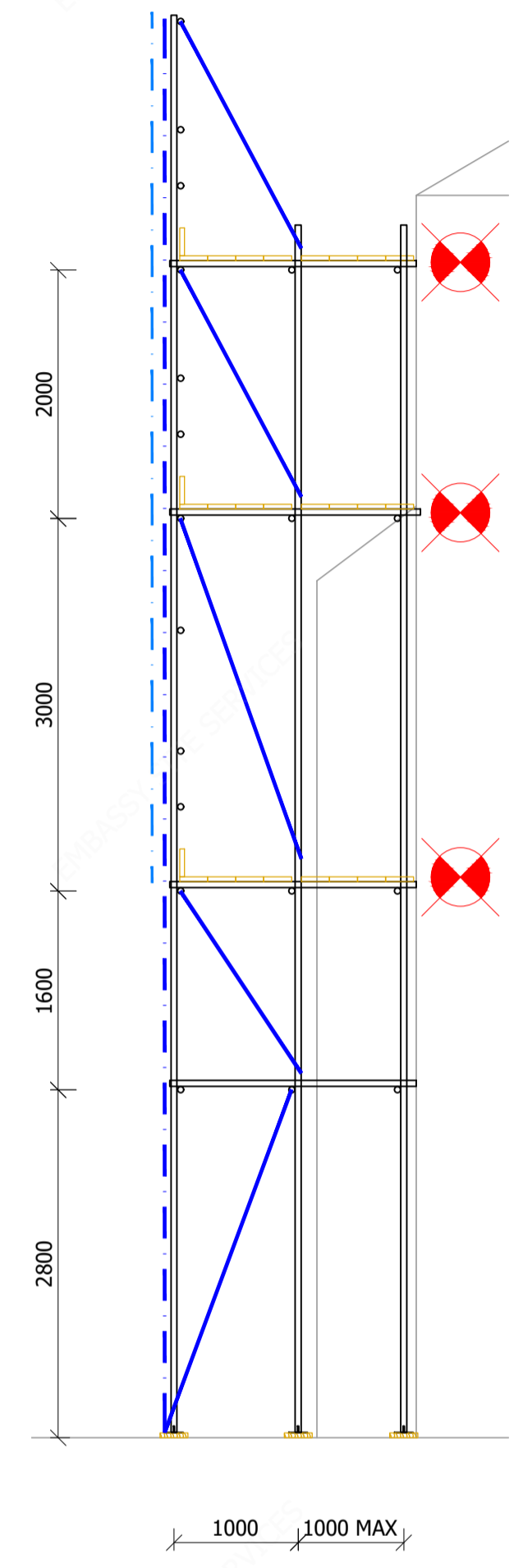
CHECKED BY  
00.00.00

CONTRACT DIVISION DESIGN REF DOCUMENT SHEET STATUS  
15257- ESS - 0058 - DRG - 01 - C rev 03

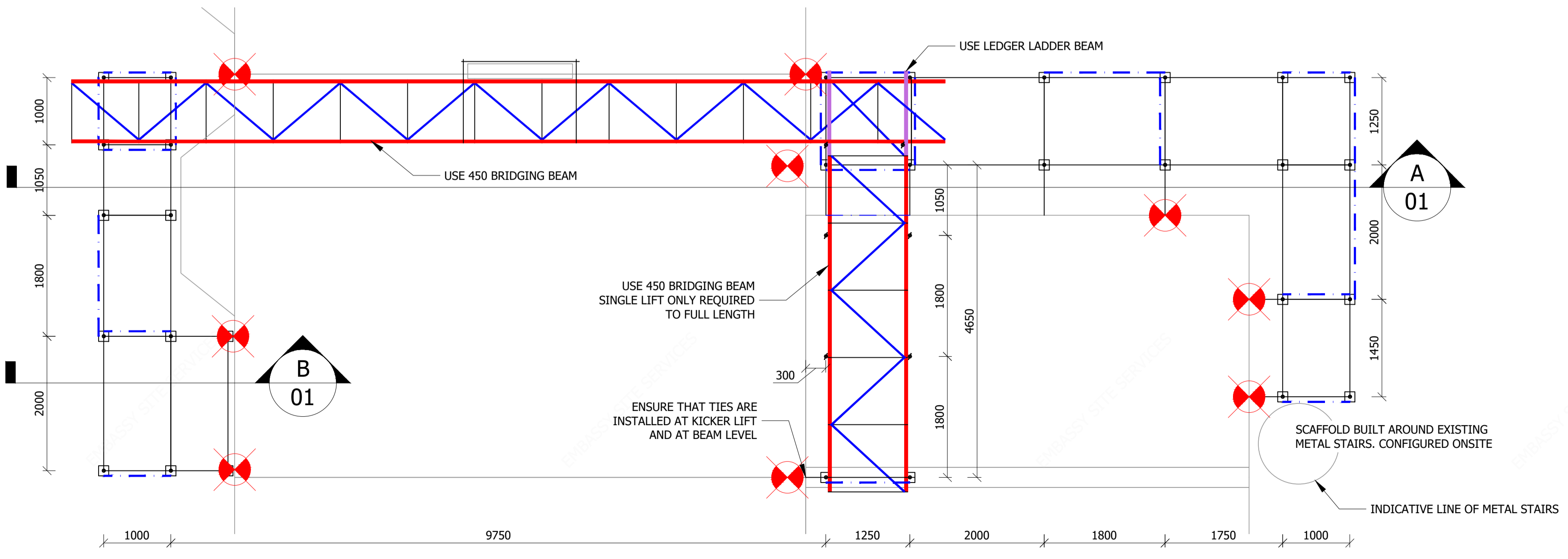
LINK BRIDGE FOR ACCESS ONLY. NO STORING OF MATERIALS. MAX LIVE LOAD 0.75kN/M2  
NO NETTING ON LINK BRIDGE



SECTION A-A

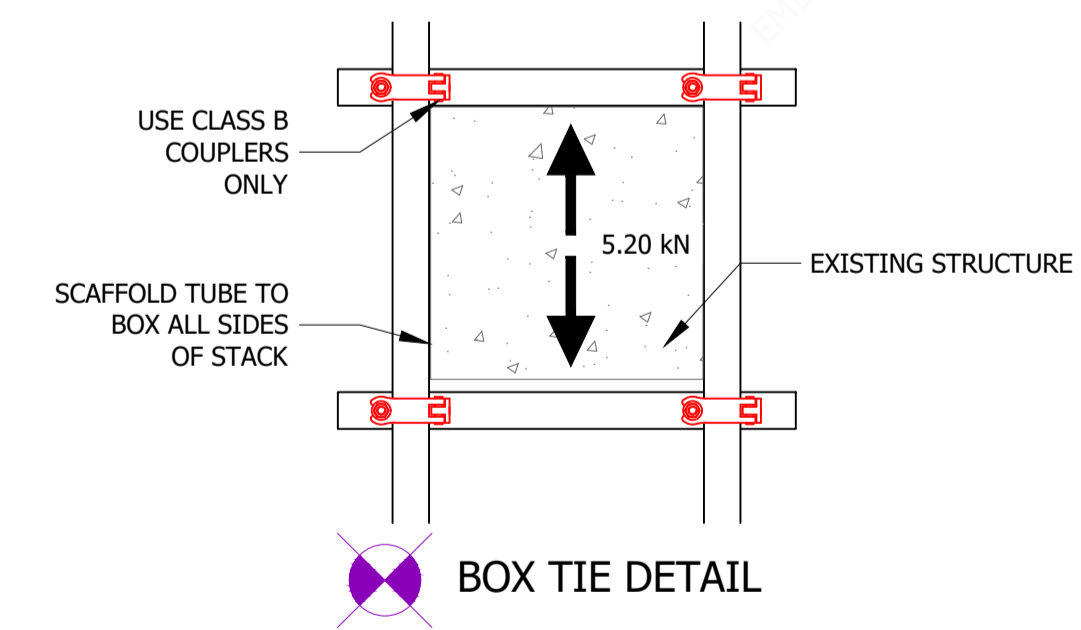


SECTION B-B

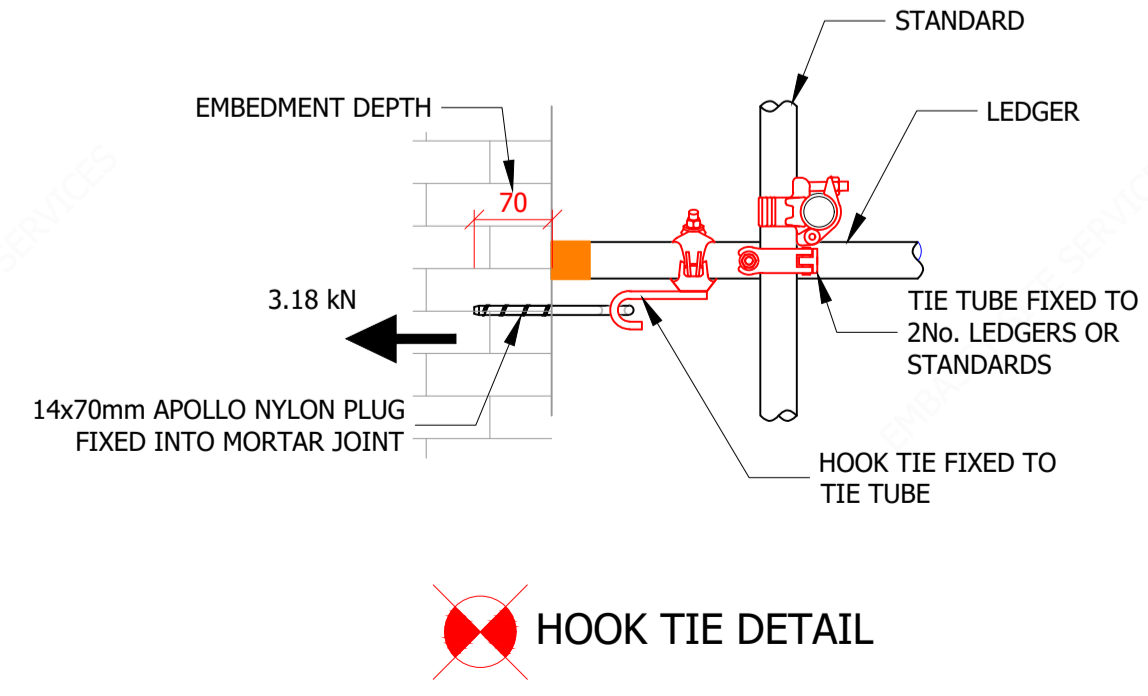


PLAN VIEW

BOARDS AND BOARD BEARING TRANSOMS OMITTED FOR CLARITY



BOX TIE DETAIL



HOOK TIE DETAIL