



DESIGN IN ACCORDANCE WITH BS EN 12811-1.
ALL STEEL TUBE IN ACCORDANCE WITH BS EN 39.
ALL COUPLERS TO COMPLY WITH BS EN 74.
ALL BOARDS TO COMPLY WITH BS 2482-1.
ALL DIMENSIONS IN MM.
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SCAFFOLD ERECTION NOTES

EDGE PROTECTION

ENSURE THAT DOUBLE GUARDRAILS AND TOE BOARDS ARE FIXED TO ALL WORKING PLATFORMS AND SINGLE GUARDRAIL ON ALL INTERMEDIATE PLATFORMS. SCAFFOLD ERECTION IN ACCORDANCE WITH THE LATEST CURRENT SG 4.

STANDARDS

MAXIMUM LIFT HEIGHT 2550mm.

TRANSOMS

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

LEDGERS

MAXIMUM LEDGER SPAN 2100mm.

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.

DOUBLE BOARDS

USE DOUBLE 38mm SCAFFOLD BOARDS WITH MEMBRANE BETWEEN. 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.

SPUR BRACING

SPUR BRACE FIXED TO UNDER SLUNG TRANSOM USING LOAD BEARING COUPLERS. FIX SUPPLEMENTARY COUPLERS AS INDICATED.

FOOTINGS

CLIENT TO PREPARE SOUND AND LEVEL FOOTINGS. ALL STANDARDS ARE TO BE FOOTED ON M.S. BASE PLATES ON 225mm X 450mm X 38mm THICK TIMBER SOLE PADS.

750 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.

TIE TUBES

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.

SETTING OUT POINT

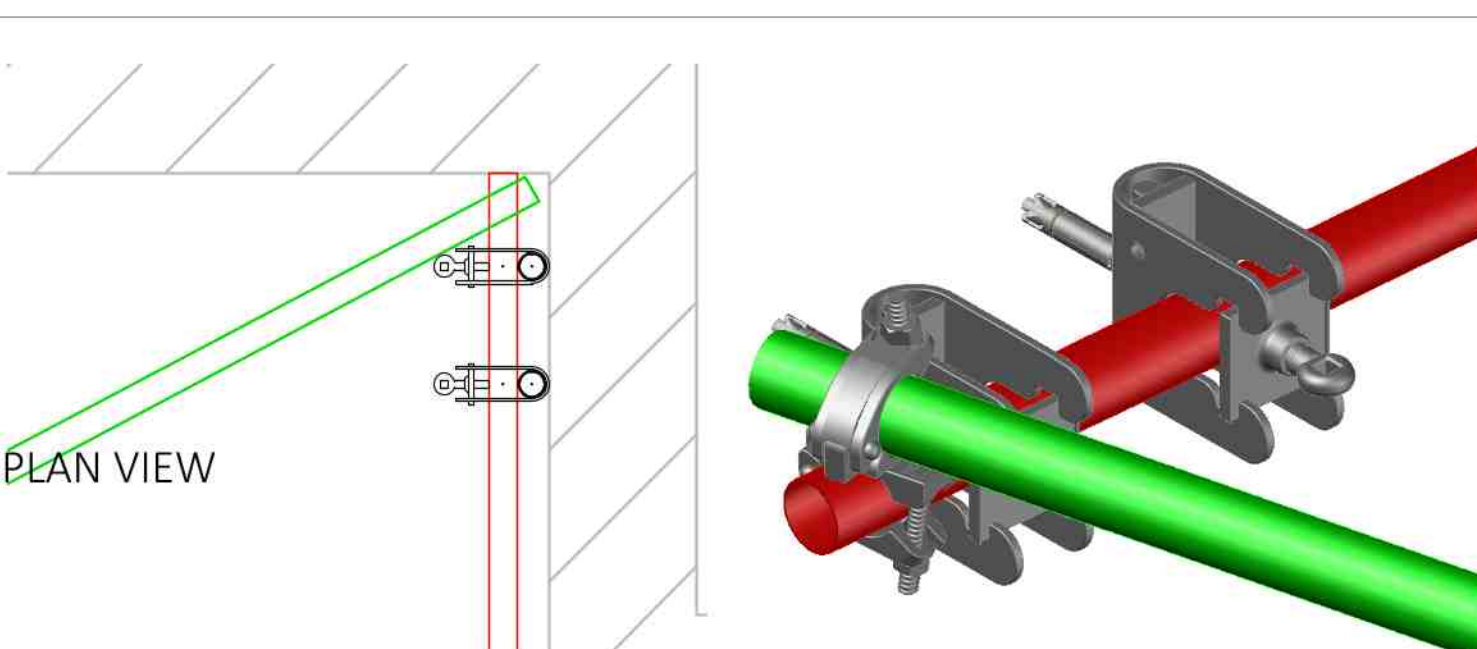
SETTING OUT POINT INDICATED IN RED DIMENSIONS. SETTING OUT POINT TO BE LOCATED AND MARKED BY MAIN CONTRACTOR.

DEBRIS NETTING

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

PROTECTIVE SLEEVING

2.4m HIGH YELLOW FOAM TUBE PADDING TO COVER STANDARDS.



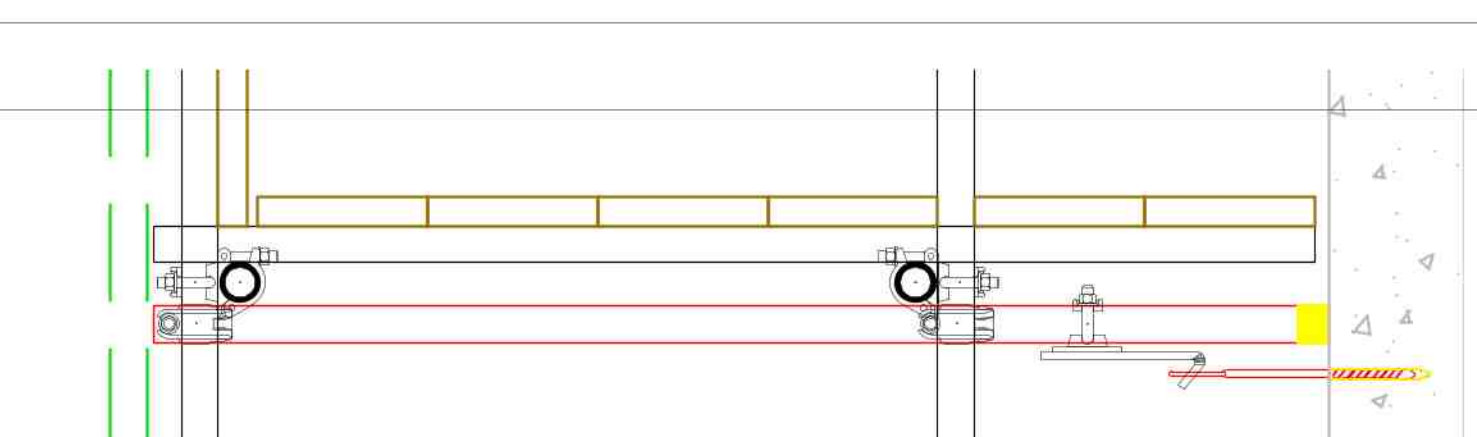
USE 130mm X M12 APOLLO SCREW BOLT WITH BAND AND PLATE WITH 90mm EMBEDMENT

ALL HOLES TO BE MADE GOOD USING SUITABLE MORTAR FILL IN ACCORDANCE WITH TG 4. PROOF TEST 3 No. OR 5% OF TIES (WHICHEVER IS GREATER)

TIE DETAIL

TIE PROOF TEST 4.44kN

TIE PRELIMINARY TEST 7.10kN



USE 100mm X M12 APOLLO EYE BOLT WITH TUBE FIRMLY BUTTED TO WALL. MINIMUM EMBEDMENT 90mm.

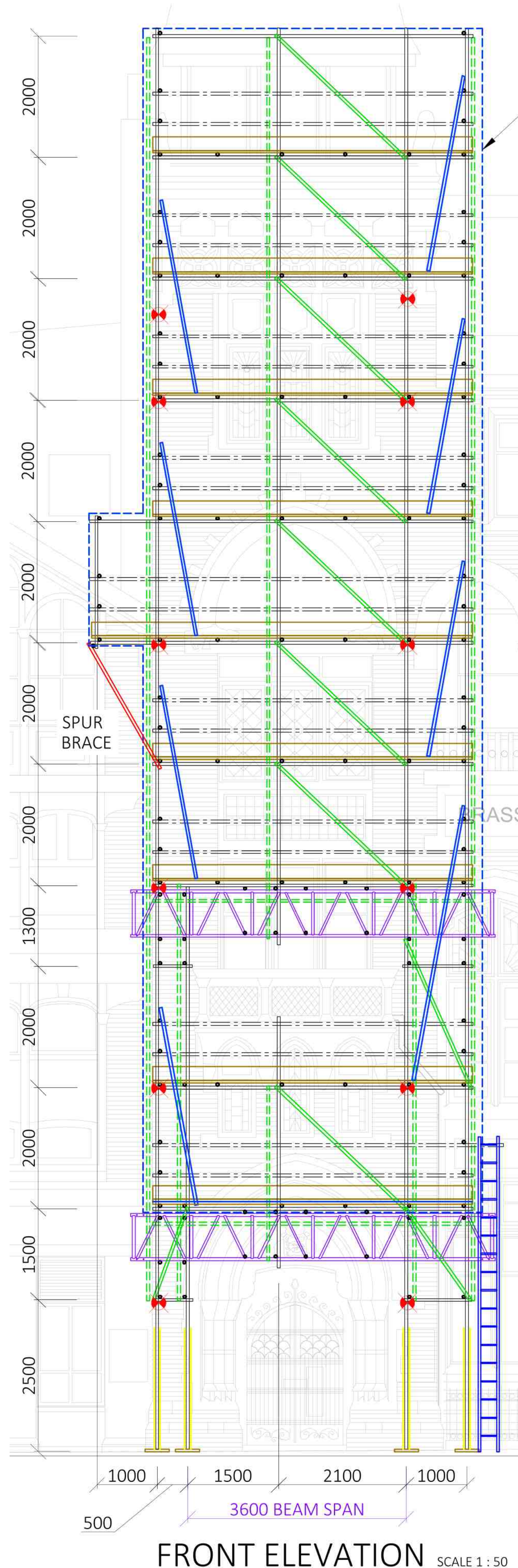
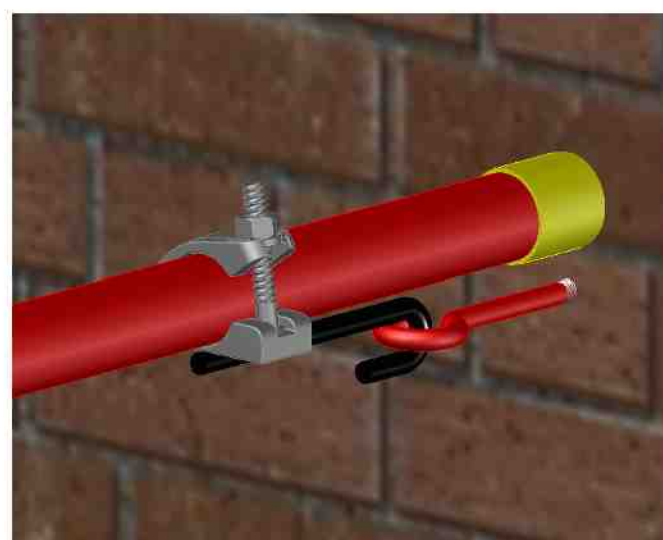
ALL HOLES TO BE MADE GOOD USING SUITABLE MORTAR FILL

PROOF TEST 3 No. OR 5% OF TIES (WHICHEVER IS GREATER)

TIE PROOF TEST 4.02kN

TIE PRELIMINARY TEST 6.43kN

TIE DETAIL



FRONT ELEVATION

SCALE 1 : 50

SECURE DEBRIS NETTING TO PERIMETER OF SCAFFOLD



MAIN CONTRACTOR TO DISPLAY SIGNS STATING MAXIMUM PERMITTED LOADS



SPUR BRACE

LOWER LEVEL TIES
2 No. BAND AND PLATE FIXED TO WALL WITH WING BRACE TO STANDARD

INSIDE HANDRAIL AT WALL RECESS
4.0m x 750 CANTEVERED BEAMS

DOUBLE BOARDS AND SHEETING FIRST BOARDED LIFT



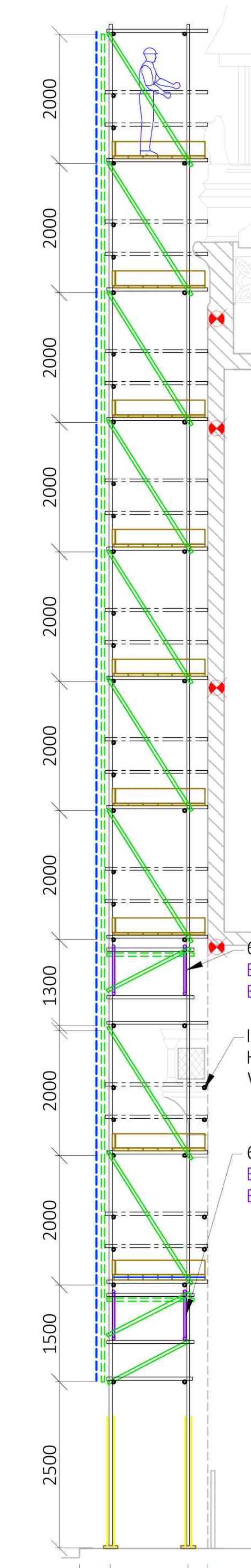
SECTION A-A

SCALE 1 : 50

LADDERS TO BE STORED SECURELY WHEN NOT IN USE



CAPABILITY OF SUPPORTING STRUCTURE



SIDE ELEVATION B-B

SCALE 1 : 50

MAIN CONTRACTOR NOTES

MAXIMUM LIVE LOADS

THE MAIN CONTRACTOR MUST ENSURE THAT ALLOWABLE LIVE LOADS STATED BELOW ARE SUFFICIENT AND NOT EXCEEDED.

LOAD CLASS 2 ACCESS SCAFFOLD

01.50kN/m² ON ACCESS PLATFORM (150kg/m²)

00.75kN/m² ON 1 No. ADDITIONAL PLATFORM

00.75kN/m² ON 1 No. INSIDE BOARDS

INTERFACE LOADS

INTERFACE LOADS TO BE REVIEWED & APPROVED BY THE MAIN CONTRACTOR BEFORE THE SCAFFOLD IS ERECTED, PERMISSION FOR THE SCAFFOLD TO BE ERECTED IS AN ACCEPTANCE THAT IMPOSED LOADS CAN BE SUPPORTED BY EXISTING STRUCTURES.

18.10 kN MAXIMUM VERTICAL POINT LOAD

3.55kN HORIZONTAL TIE LOAD

ENVIRONMENTAL LOADS

ENVIRONMENTAL LOADS FROM CALCULATIONS AND IN ACCORDANCE WITH BS EN 1991-1-4 AND BS EN 1991-1-3.

0.57 kN/m² PEAK WIND VELOCITY PRESSURE

0.26 kN/m² SNOW LOAD (OCT-MARCH)

FOR SAFETY REASONS, REMOVE ALL SNOW FROM WORKING PLATFORMS BEFORE USE.

N/A kN/m²

AERODYNAMIC LOADS FROM PASSING TRAINS (100MPH)

PERIOD OF ERECTION

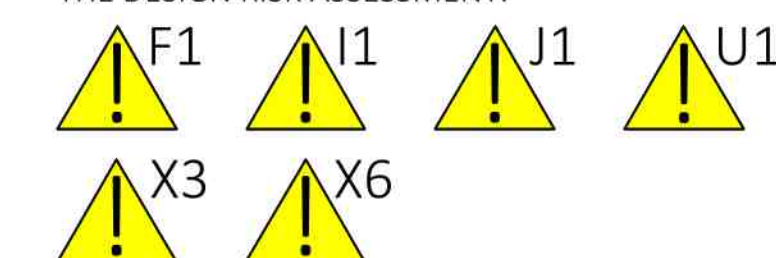
WINTER 8 WEEKS MAXIMUM DURATION OF SCAFFOLD

RESIDUAL RISKS - SITE SPECIFIC

CDM 2015 DESIGNERS PRINCIPLES APPLIED

AVOID - EVALUATE - CONTROL

RESIDUAL RISKS / HAZARDS THAT REMAIN ARE IDENTIFIED BELOW WITH A HAZARD SYMBOL AND REFERENCE. THESE RISKS ARE DETAILED WITHIN THE DESIGN RISK ASSESSMENT.



USE IN CONJUNCTION WITH

DESIGN RISK ASSESSMENT: 2000-CPD-ZZ-RA-X-1105

CALCULATIONS : 2000-CPD-ZZ-CA-X-1105

6.0m x 750 BRIDGING BEAMS

INSIDE HANDRAIL AT WALL RECESS

6.0m x 750 BRIDGING BEAMS

A03	ISSUED FOR APPROVAL	D.P.	14.03.2024
A02	ISSUED FOR APPROVAL	D.P.	13.03.2024
A01	ISSUED FOR APPROVAL	J.W.	07.03.2024
REV	DESCRIPTION	BY	DATE
DRAWN BY	J.PERRY	07.03.2024	
CHECKED BY	J.WALIA	07.03.2024	



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