

1. All transoms to abut the existing structure.
2. Scaffold tube ledgers secured to standards using double couplers or using prefabricated transoms as necessary. Joints in ledgers to be made using EN 74 sleeve couplers.
3. Scaffold tube guardrails secured at every lift for full perimeter using load bearing couplers. Joints in handrail to be made using EN 74 sleeve couplers only.
4. All un-boarded lifts should have a single principal guardrail and board transoms to facilitate erection and dismantling in accordance with SG4:Current.
5. Uprights to be installed at positions indicated not exceeding the maximum bay sizes shown ($\pm 50\text{mm}$ tolerance). All uprights to be within 1% of plumb (10mm out of plumb every 1000mm vertical tolerance).
6. Joints in uprights to be made using EN 74 sleeve couplers.
7. Facade bracing secured at positions indicated on design between standards using swivels or to ledgers/transoms using doubles to full height. All bracing connections must be within 300mm of the node.
8. Ledger brace secured at centres indicated on drawings. All bracing must be within 150mm of the node. Secure to uprights using swivels or to ledgers/transoms using doubles.
9. All load bearing transoms to abut the wall.
10. Scaffold tie tube secured to both inside and outside standards or ledgers. The tie tube should be within 300mm of the node.
11. All supplementary couplers fixed tight to existing connections ensuring main body of the coupler abuts the main body of the coupler above. As indicated on design.

DESIGN SERVICE LOADS (LIVE LOADS)

- ## BOARDED LEVELS

- ## MATERIALS

- ## DIMENSIONS

- ## PERMITS AND PERMISSIONS

- ### PROPERTY / MODIFICATION

- PROPRIETARY EQUIPMENT**

- ## DESIGN SPECIFICATION AND INTERPRETATION

- ## ANCHORS (TIES)

-
- Minimum embedment depth per bolt = 90mm
- Anchors to have a minimum edge distance of 140mm and have minimum spacing of 220mm
- 220 MIN.
- Steel beam and plate coupler in accordance with BS 5950-1:2000
- Anchors to be tested to the value of 7.25kN in accordance with NASC TG4:25

ND AND PLATE
TIE DETAIL 1
scale 1:25

- ## **FOUNDATIONS (EXISTING STRUCTURAL MEMBER AS A BEARING STRATA)**

- ## DESIGNERS RISK ASSESSMENT

Likelihood		Severity		Risk Level							Risk Assessment Notes
Probability of Occurrence	Probability Index	Hazard Severity / Potential Maximum Consequence	Severity Index	Hazard Severity Index	Probability Index						
					A	B	C	D	E		
So unlikely that probability is close to zero	A	Minor injury/illness resulting in lost time of 3 days or less	1	1	L	L	M	H	H	<div>• Risk assessment in accordance with the Construction (Design and Management) Regulations 2015</div> <div>• All control measures to be managed on site by party indicated in 'action to be taken by;' column</div> <div>• All residual risks will be indicated on the design as follows;</div> <div><div>Description of control Measure to be adopted</div><div>Description of Risk</div><div> RISK - [.....]</div><div>Control Measure: [.....]</div></div>	
Unlikely though conceivable	B	Injury/illness resulting in lost time of more than 3 days	2	2	L	M	H	H	H		
Likely to occur sometime	C	Major Injury causing long term loss of work	3	3	L	M	H	S	S		
Occurrence not surprising. May occur more than once.	D	Major Illness / Disability / Single Fatality	4	4	M	H	S	S	S		
Occurrence inevitable. May occur many times.	E	Multiple Fatality	5	5	M	H	S	S	S		

Hazard:	Initial Risk			Risk Control Measures:	Residual Risk		
	P	R	L		P	R	L
Inaccuracies in the visual representation and detailing of existing 'structure' and ground based obstacles etc.	C	1	M	Accuracies to be checked on site and any discrepancies made aware of to Creator Ltd as erection progresses.	C	1	M
Excessive bay sizes installed during erection process causing structural failure of various members.	C	4	S	Bay sizes indicated to be maintained with the tolerances level indicated on the design. This tolerance should not be the norm for all bays	C	1	M
Failure of the scaffold during the in-use phase caused by overloading.	A	4	M	The maximum design service load indicated to be managed by the principal contractor and all loads indicated on the Scaffold	A	3	L
Excessive lift heights installed during erection causing buckling of the uprights.	C	4	S	Maximum lift heights to be installed by the scaffold contractor as detailed in the design $\pm 100\text{mm}$.	A	3	L
Unauthorised access onto/into the scaffold structure	D	3	S	Where appropriate, ladder access will be installed and dismantled when required. Where indicated on the design, hoarding will be installed by the principal contractor.	A	3	L
Damage to the scaffold structure caused by on-site works or otherwise.	B	4	H	The principal contractor is to ensure all relevant procedures are in place when site vehicles are operating in close proximity of the scaffold structure.	A	3	L
Overloading of existing structure due to the need to support the scaffold structure.	B	4	H	All loads to the existing structure(s) will be checked by a structural engineer before erecting the scaffold.	A	3	L
Failure of the existing bearing stratum by means of: exceeding the bearing stratum, immediate settlement, consolidation settlement, saturated soils etc.	C	4	S	The maximum legloads and reactions should be appraised by the principal contractor. All founded on hardstanding.	A	3	L
Instability of scaffold boards to main boarded deck(s) during all stages i.e. in-use and out-of-use.	A	4	M	All boards to be secured down against uplift using board clips or similar.	A	4	M
Instability of ladder access and the ability for persons to fall as a result. Also, falls as a result of no handrails adjacent to ladder access.	B	4	H	Ladder to be effectively secured against movement and access gate provided adjacent to the ladder access	A	1	L
Insufficient board bearers (transoms) causing boards to fail under maximum design service load	A	4	M	Transoms to be installed at positions / centres indicated on the design	A	3	L
Boards of insufficient 'quality' to sustain maximum design service load (defects in boards such as rotting, 'cut' etc)	C	4	S	Boards should be visually inspected regularly to ensure they are of sufficient 'quality' to sustain the loads. Boards of insufficient quality should be replaced.	A	3	L
Materials / objects falling from boarded deck level / persons passing through void between intermediate guardrail and deck	A	5	M	Toeboards to be secured to leading edges and double guardrails installed where falls from height are possible	A	1	L
Materials / objects falls through scaffold into a pedestrianised area or other area causing damage / injury to persons / objects.	B	5	H	Toeboards to be secured to leading edges and double guardrails installed where falls from height are possible. A protective polythene layer is to be installed between boards.	B	1	L
Falls from height / gaps in decking members	B	5	H	Double guardrails installed where falls from height are possible. Gaps to be a maximum of 25mm except between any inside board and main boards which should be 50mm	B	1	L
Coupler of insufficient tightness, grade and quality	C	5	S	Couplers to be manufactured to EN74 and should be tightened to a 50Nm torque. Couplers should be undamaged	C	1	M
Collision of vehicles with scaffold	C	5	S	Demarcation to be implemented. To prevent collision temporary vehicle crash barriers to be installed by the principal contractor.	C	1	M

	Structural Steel
	Scaffold Beams
	Timber Products / Scaffold Boards
	Building Line
	Facade Brace (Plan, Section)
	Torsional Brace (Plan, Elevation)
	Torsional Brace (Section)
	Kentledge Hatch
	Ledger Brace (Plan, Elevation)
	Plan Brace (Plan, Section, Elevation)
	Scaffold Centre Line (Plan)
	48.3mm Diameter Scaffold Tube
	Cladding Material (Sheeting / Netting)
	Splice Detail
	Supplementary Coupler / Check Fitting
	Tie Location (Plan, Section, Elevation)
	Punchcon
	Upright Cut Off
	Residual Risk
	Ledger Brace (Elevation, Section)
	Facade Brace (Elevation, Section)
	Double Coupler (Plan, Elevation, Section)
	Girder Coupler/SK (Plan, Section)
	Prefabricated transom, readylock (Plan, Elevation, Section)

* Some of the above key/ items may not be present in design but are indicated on all designs for conformity

This design is to be read in conjunction with the following design drawings and/or documents:

CRE-IBN-433-001A_REPORT
APPENDIX A - CRE-IBN-433-001A_1,2,GN.dwg

AMENDMENTS / REVISIONS					
A	DJB	09.04.26	KRB	09.04.26	
-	DJB	30.03.26	SLB	30.03.26	
REV	BY	DATE	CHECK	DATE	APP'D



Drawing Status:

FOR APPROVAL

Project Number:	Page Number:	Scale:
CRE-IBN-433-001A	GN	1 : 50,2

Project Title/Description:

BASEMENT WALL RETENTION
GEORGE HOTEL, ST GEORGE'S SQUARE
HUDDERSFIELD
HD1 1JA

SEE QUOTE

