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Grant Keys CEng MICE
Technical Director
Scaftec Ltd

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National Access & Scaffolding Confederation

PURPOSE OF SEMINAR

- Kwikstage loading platforms
- Cuplok loading platforms
- Tube and fitting loading platforms
- Loading capacities
- Handovers

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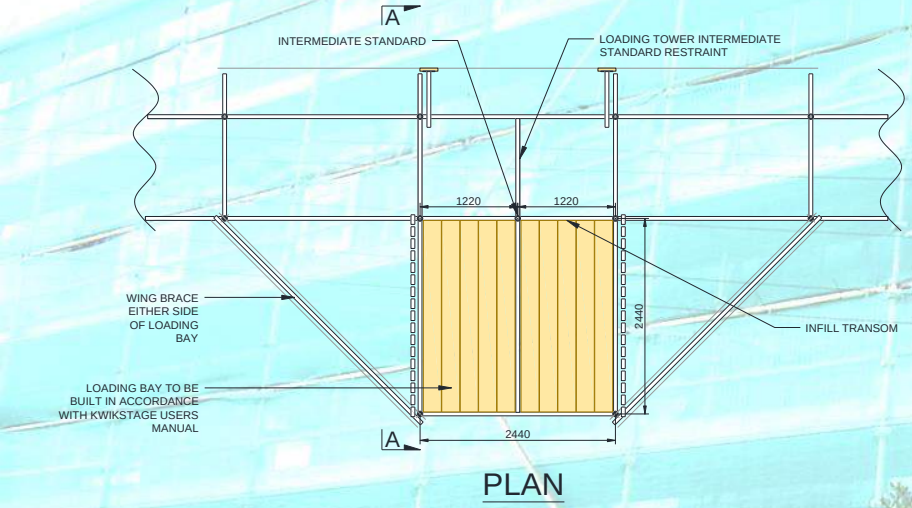
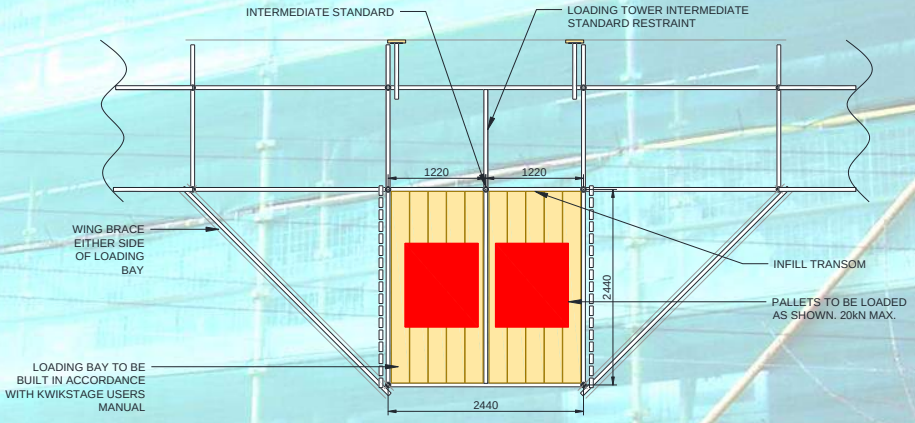
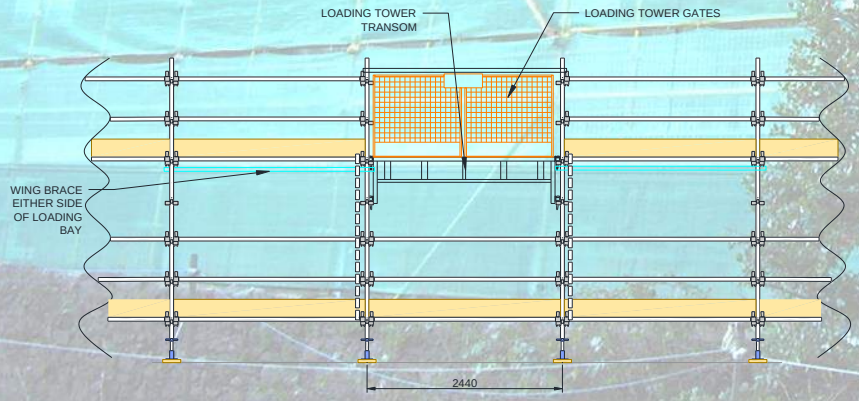
1.1 KWIKSTAGE USERS MANUAL



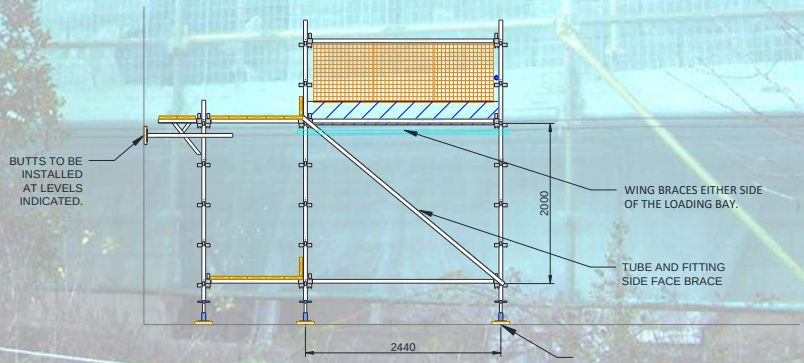
PLAN



PALLET LAYOUT



ELEVATION



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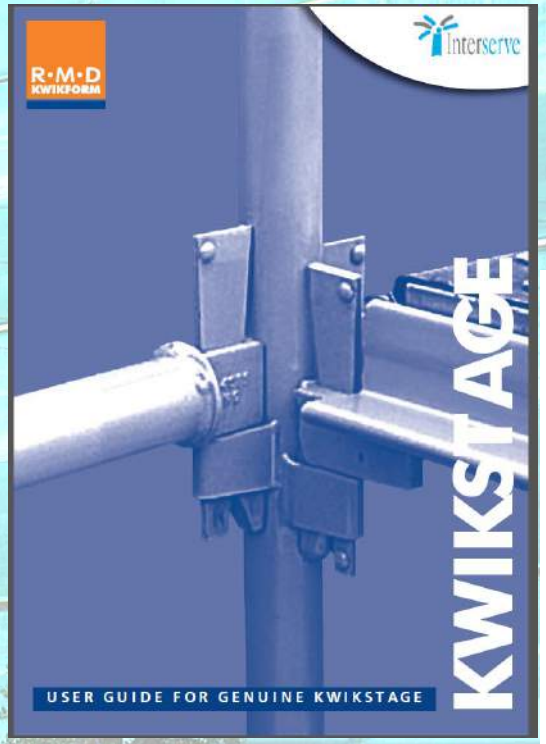
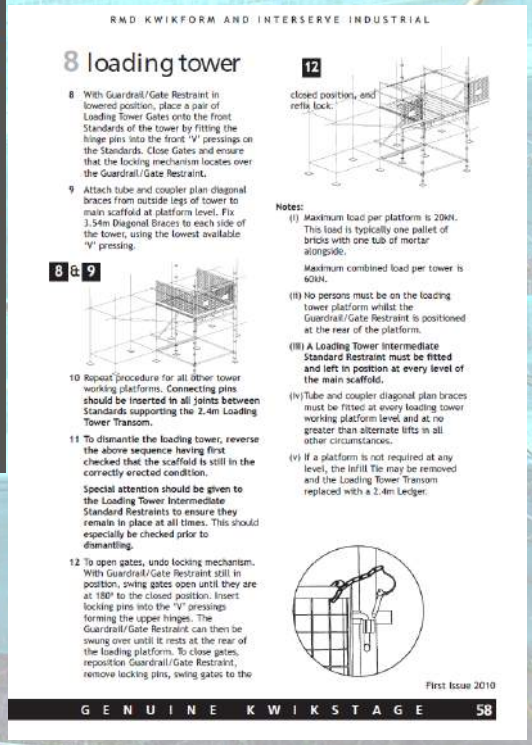
1.2 KWIKSTAGE USERS MANUAL

- 20kN per platform
- Max combined load per tower 60kN
- Intermediate standard restraint MUST be fitted
- Loading gates
- T&F bracing




RMD KWIKFORM AND INTERSERVE INDUSTRIAL

8 loading tower

8 With Guardrail/Gate Restraint in lowered position, place a pair of Loading Tower Gates onto the front Standards of the tower by fitting the hinge pins into the front 'V' pressings on the Standards. Close Gates and ensure that the locking mechanism locates over the Guardrail/Gate Restraint.

9 Attach tube and coupler plan diagonal braces from outside legs of tower to main scaffold at platform level. Fix 3.54m Diagonal Braces to each side of the tower, using the lowest available 'V' pressing.

8 & 9

10 Repeat procedure for all other tower working platforms. **Connecting pins should be inserted in all joints between Standards supporting the 2.4m Loading Tower Transom.**

11 **To dismantle the loading tower, reverse the above sequence having first checked that the scaffold is still in the correctly erected condition.**

Special attention should be given to the Loading Tower Intermediate Standard Restraints to ensure they remain in place at all times. This should especially be checked prior to dismantling.

12 To open gates, undo locking mechanism. With Guardrail/Gate Restraint still in position, swing gates open until they are at 180° to the closed position. Insert locking pins into the 'V' pressings forming the upper hinges. The Guardrail/Gate Restraint can then be swung over until it rests at the rear of the loading platform. To close gates, reposition Guardrail/Gate Restraint, remove locking pins, swing gates to the

12

closed position, and refit lock.

Notes:

(i) Maximum load per platform is 20kN. This load is typically one pallet of bricks with one tub of mortar alongside.

Maximum combined load per tower is 60kN.

(ii) No persons must be on the loading tower platform whilst the Guardrail/Gate Restraint is positioned at the rear of the platform.

(iii) **A Loading Tower Intermediate Standard Restraint must be fitted and left in position at every level of the main scaffold.**

(iv) Tube and coupler diagonal plan braces must be fitted at every loading tower working platform level and at no greater than alternate lifts in all other circumstances.

(v) If a platform is not required at any level, the Infill Tie may be removed and the Loading Tower Transom replaced with a 2.4m Ledger.

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GENUINE KWIKSTAGE 58

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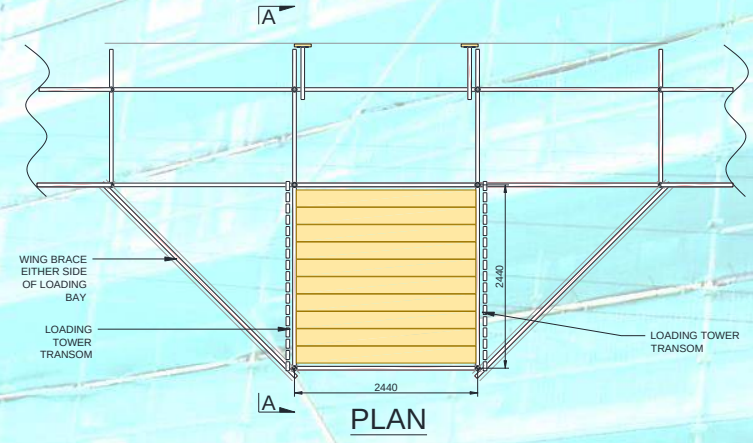
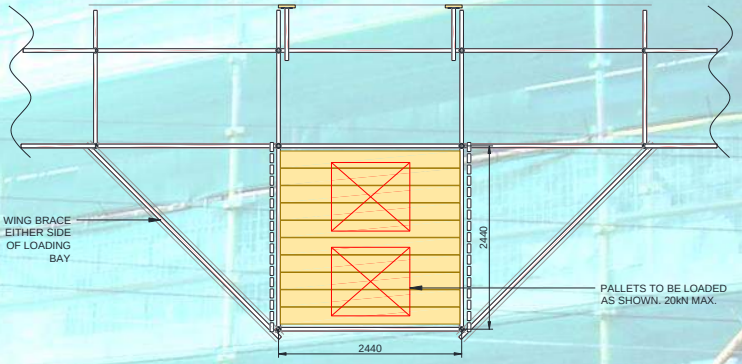
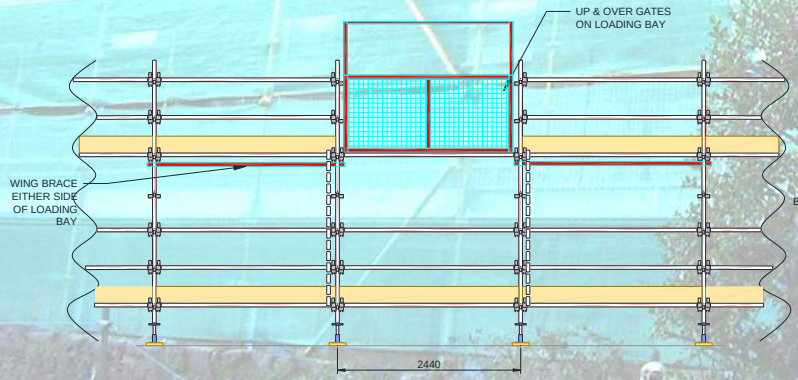
1.3 KWIKSTAGE BY DESIGN



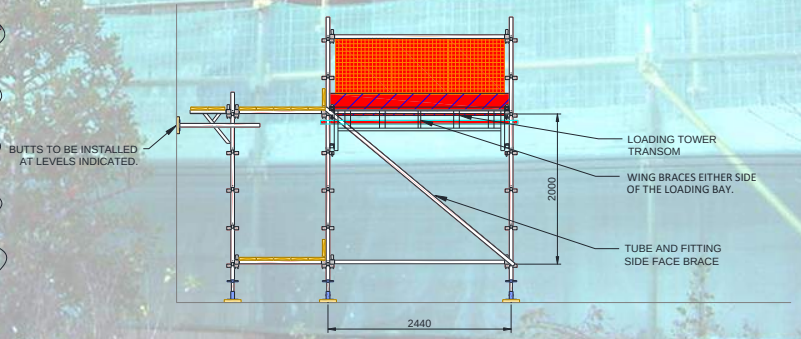
PLAN



PALLET LAYOUT



ELEVATION



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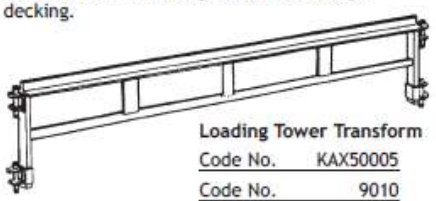
1.4 KWIKSTAGE BY DESIGN

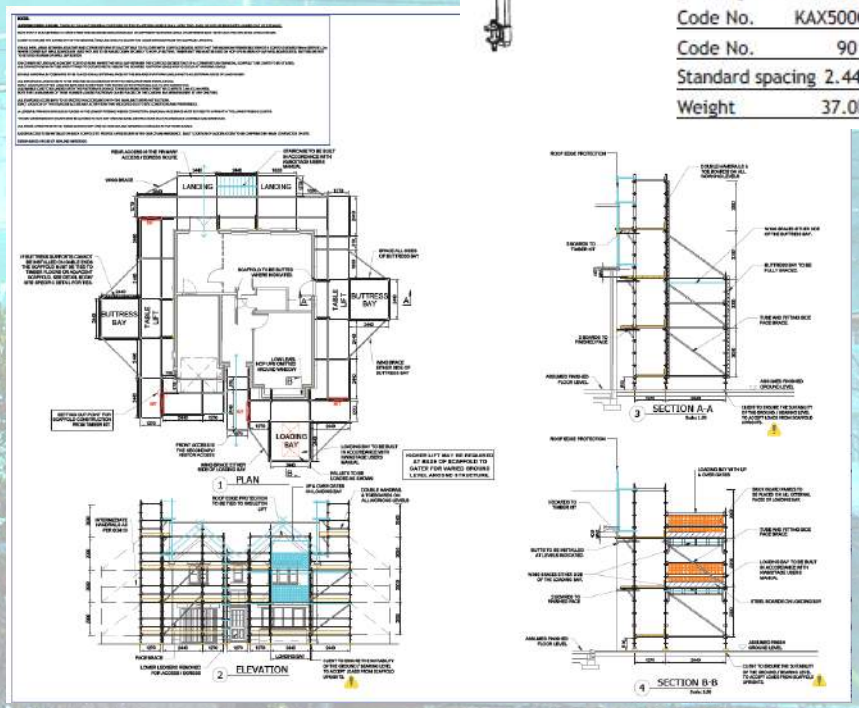
- 20kN per platform
- Max combined load per tower 60kN
- Up and over gates
- T&F bracing

Loading Tower Transom

This Transom is designed to connect to the front pair of Standards in a loading tower by means of wedge fixing devices. These fit into two pairs of upper 'V' pressings on the Standards. The top chord of the Transom is in the form of an inverted T-section, the flanges of which form a seating for the Steelstage decking.



Loading Tower Transform	
Code No.	KAX50005
Code No.	9010
Standard spacing	2.44m
Weight	37.0kg



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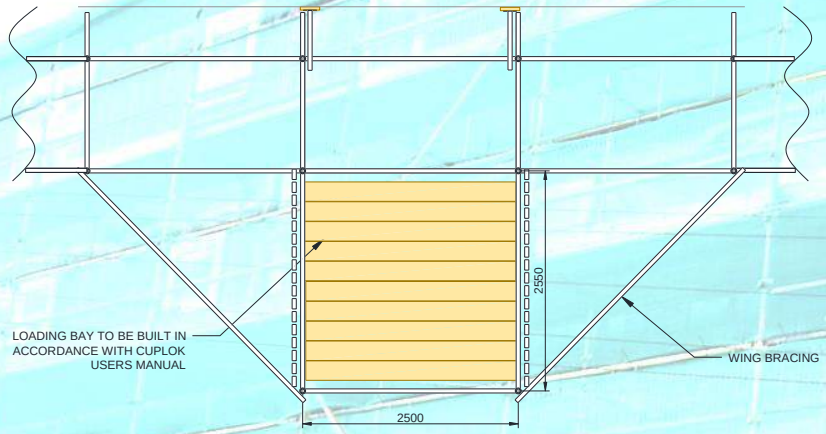
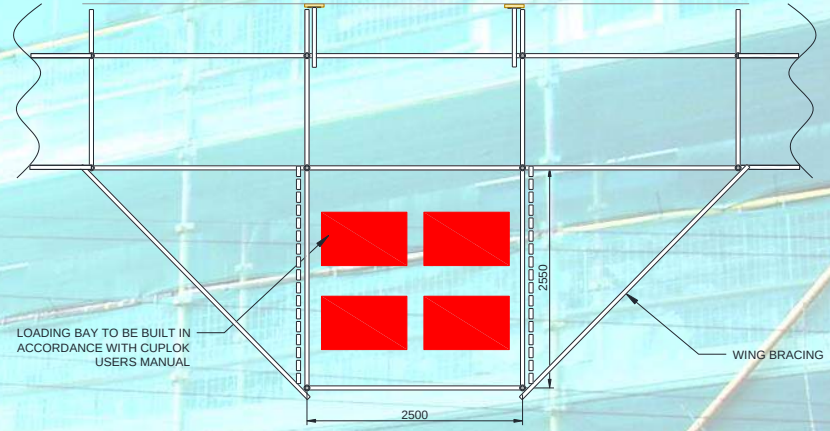
2.1 CUPLOK USERS MANUAL

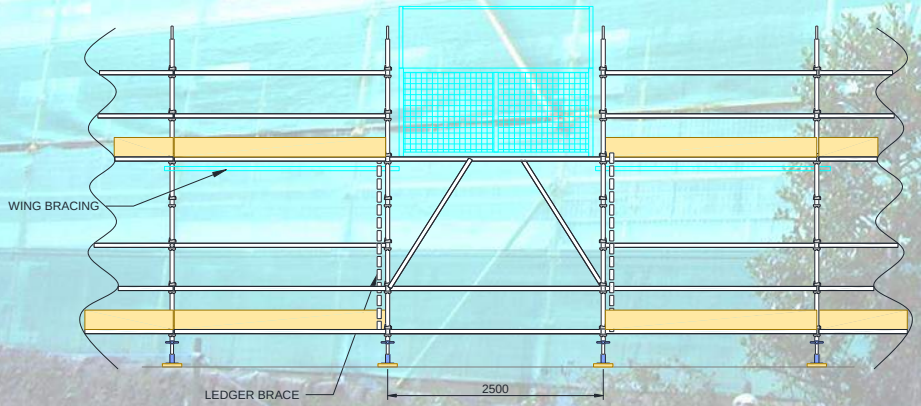


PLAN



PALLET LAYOUT

(4No. 10kN (1 TONNE) PALLETS)



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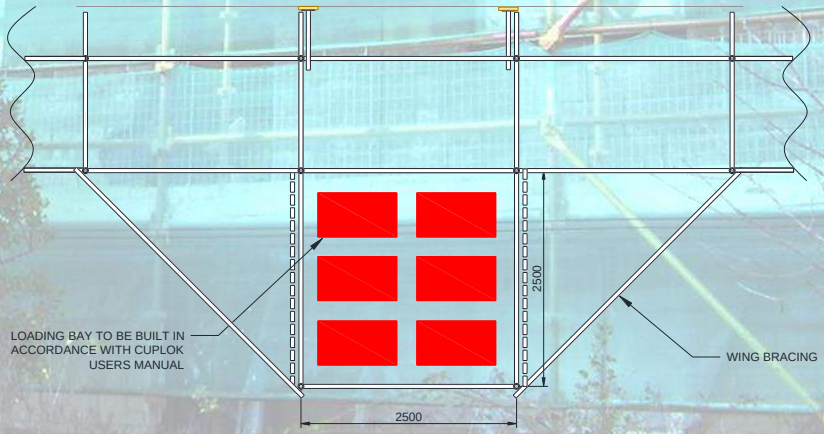

PALLET LAYOUT

(6No. 8.25kN (0.825 TONNE) PALLETS)

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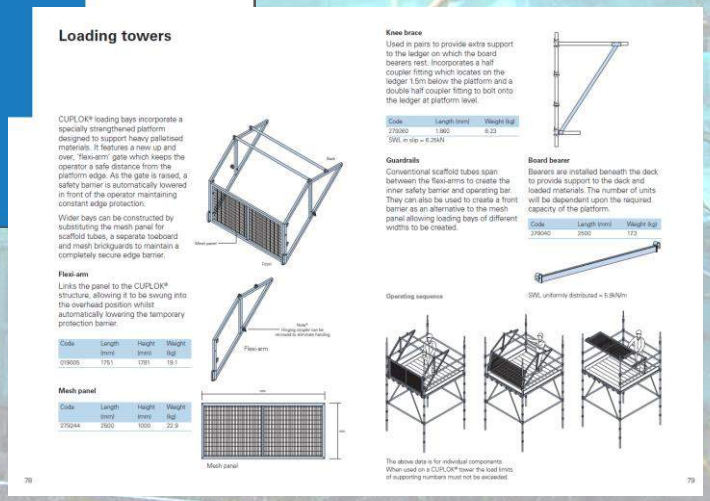
2.2 CUPLOK USERS MANUAL

- 49.50kN per platform
- Progressive build
- Board bearers
- Up and over gate
- T&F ledger bracing
- T&F wing bracing



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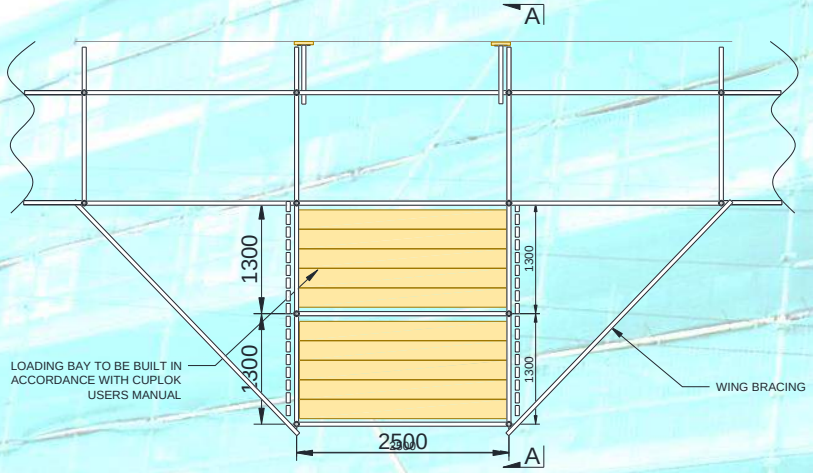
2.3 CUPLOK BY DESIGN



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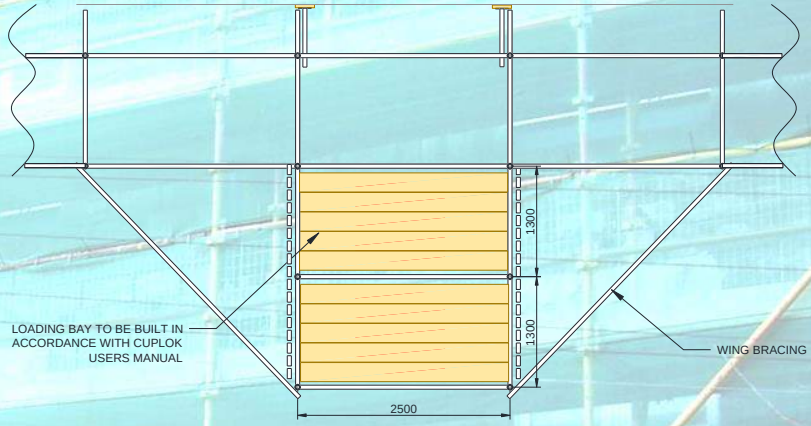
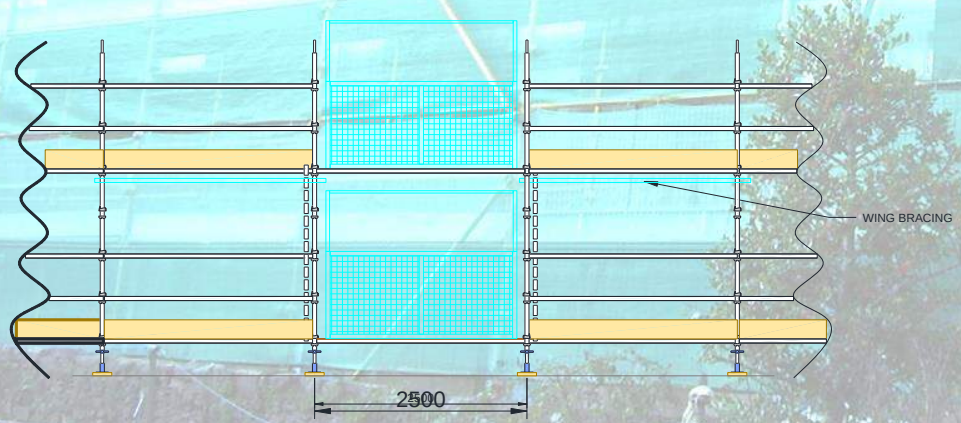


PALLET LAYOUT



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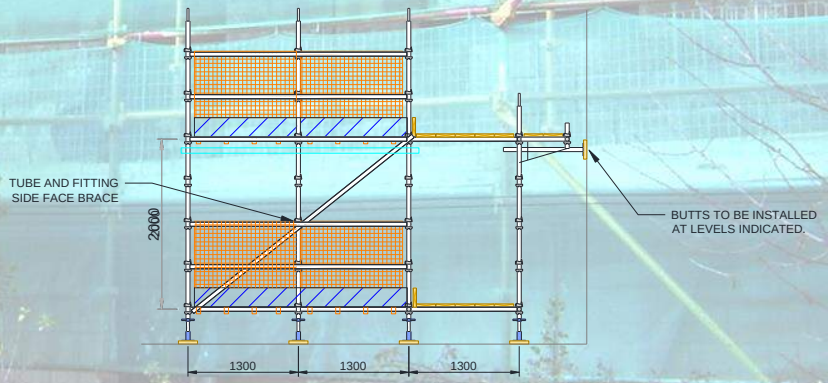

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2.4 CUPLOK BY DESIGN

- 20kN per platform
- Up and over gate
- T&F ledger bracing
- T&F wing bracing

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3.1 TUBE & FITTING LOADING BAY

- TG20:13 Operational guide
- Loading capacities
- Bracing requirements
- Compliance sheets
- House building = design scaffold

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3.2 TUBE & FITTING LOADING BAY

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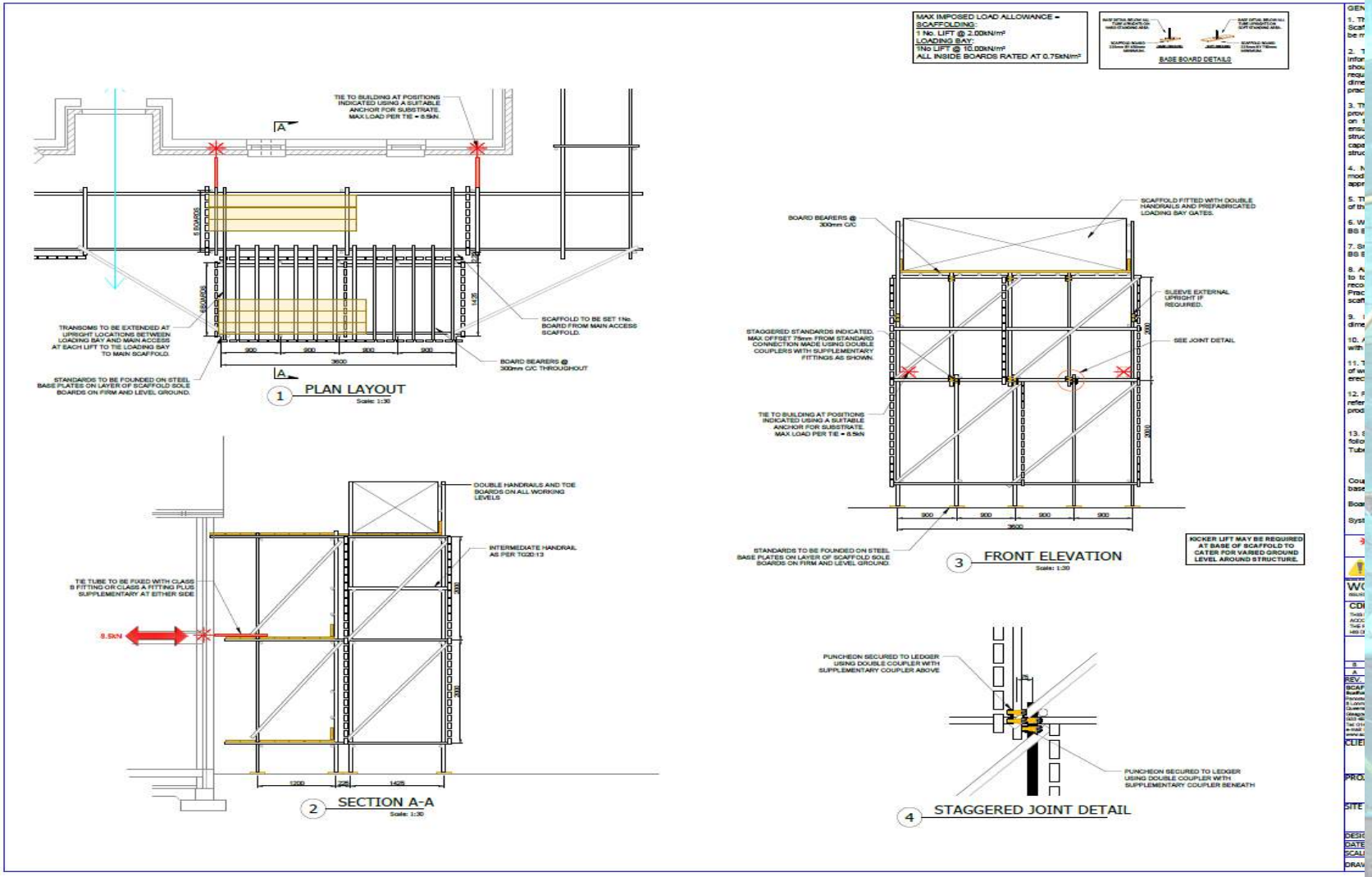
3.3 TUBE & FITTING LOADING BAY



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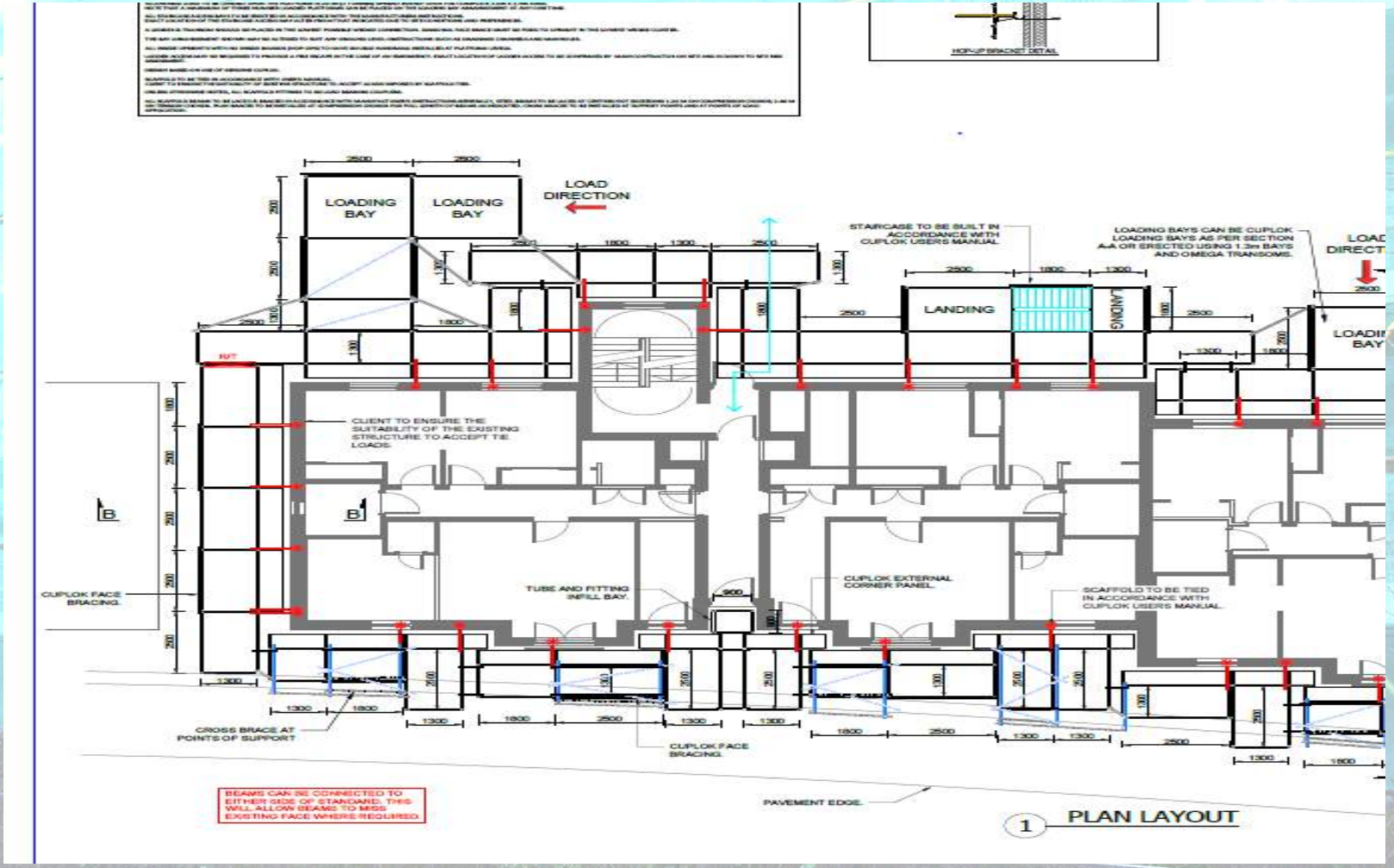
4.1 SIDE LOADING BAY



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5.1 LOADING CAPACITIES & OPERATORS

- Kwikstage = 20kN per platform & max of 60kN
- Cuplok = 49.50kN (not practicable due to progressive build)
- Cuplok (design) = 20kN per platform
- What is 20kN ?
- What does 2000kg's equate to ?
- If I've a pallet of blockwork will I overload the scaffold ?

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6.1 HAND OVERS

- A house building access scaffold/ loading platform requires a design.
- Is the loading platform as per a Users Manual ?
- Is the scaffold as per a design drawing ?
- Who is responsible for the scaffold ?
- Is the person inspecting / accepting the scaffold qualified ?
- Design input required

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Q & A