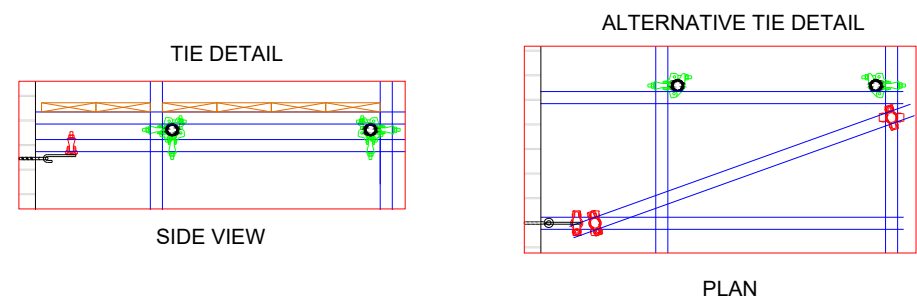


RISK 1
FAILURE OF THE SCAFFOLD
DURING THE IN-SERVICE
PHASE CAUSED BY
OVERLOADING.

RISK 2
EXCESSIVE BAY SIZES INSTALLED
DURING THE ERECTION PROCESS
RESULTING IN STRUCTURAL
FAILURE OF VARIOUS MEMBERS.

RISK 3
EXCESSIVE LIFT HEIGHTS INSTALLED
DURING THE ERECTION PROCESS
RESULTING IN BUCKLING FAILURE OF
STANDARDS.

**SCAFFOLDS TO BE ERECTED IN
ACCORDANCE WITH SG4:22**

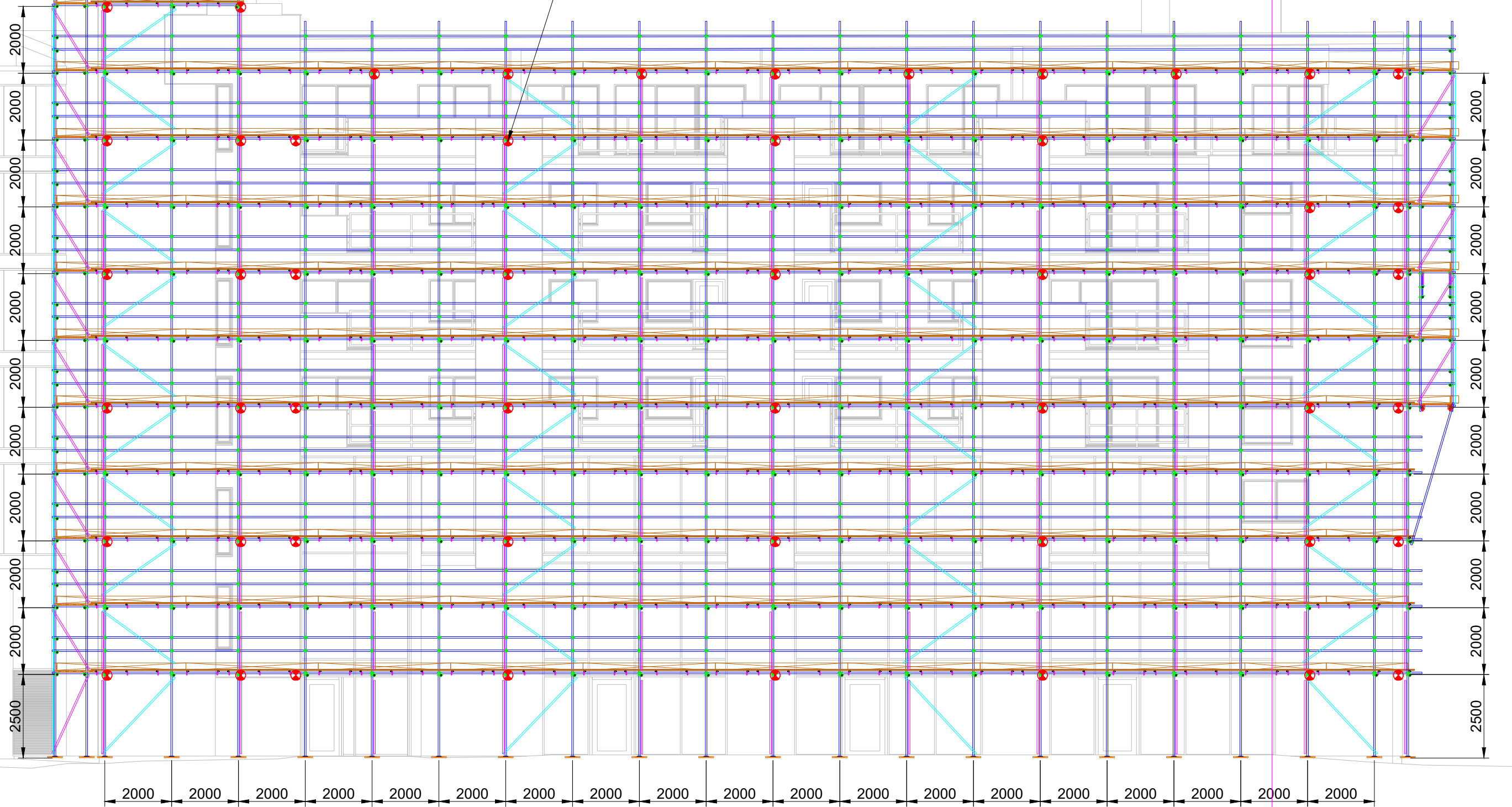
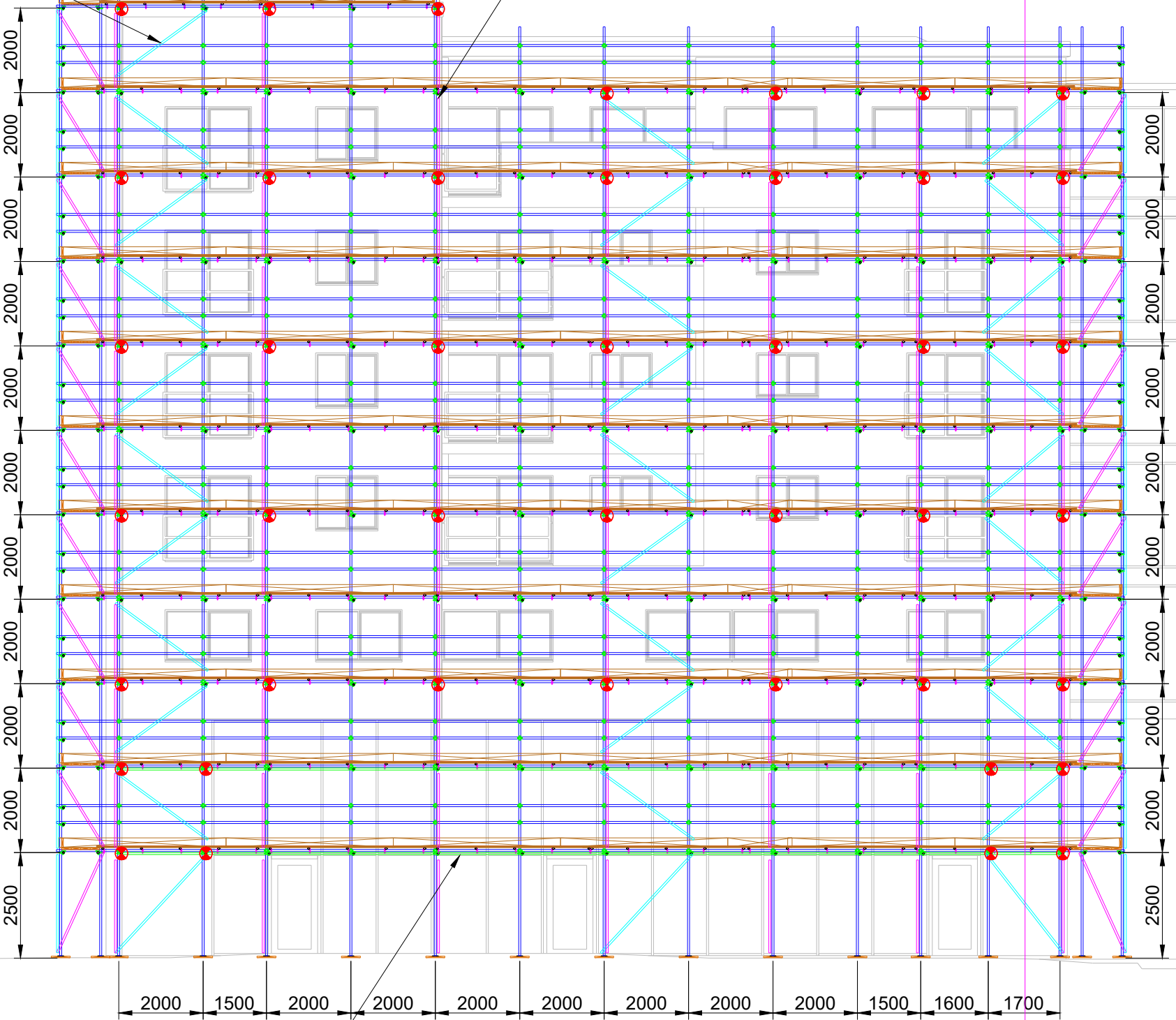


FACADE BRACING TO
BE INSTALLED EVERY
SIXTH BAY AND TO
THE FULL HEIGHT OF
THE SCAFFOLD

LEDGER BRACING TO BE
INSTALLED EVERY OTHER
BAY AND TO THE FULL
HEIGHT OF THE SCAFFOLD

TIE LOCATION IS SHOWN
AS INDICATIVE AND FINAL
TIE LOCATIONS ARE TO BE
DETERMINED AT A LATER
DATE

B



PLAN BRACING TO BE
INSTALLED BETWEEN TIES
ON THE FIRST TWO LIFTS OF
THE GLASS SHOP FRONT

FRONT ELEVATION
SCALE 1:125

DOUBLE BAY TO
BE INSTALLED AT
THE BALCONIES

INSIDE STANDARD TO BE
INSTALLED AT BALCONY
LEVEL AND FOUNDED WITH A
BASE PLATE AND SOLE PAD

DOUBLE BAY TO
BE INSTALLED AT
THE BALCONIES

INSIDE STANDARD TO BE
INSTALLED AT BALCONY
LEVEL AND FOUNDED WITH A
BASE PLATE AND SOLE PAD

STRUCTURAL
TRANSOMS / TIE
TUBES TO BE
INSTALLED THROUGH
ALL STANDARDS

LEDGER BRACING TO BE
INSTALLED EVERY OTHER
BAY AND TO THE FULL
HEIGHT OF THE SCAFFOLD

FACADE BRACING TO
BE INSTALLED EVERY
SIXTH BAY AND TO
THE FULL HEIGHT OF
THE SCAFFOLD

FAN TRANSOMS TO BE
INSTALLED BELOW THE INSIDE
LEDGER USING LOAD BEARING
COUPLERS AND ON TOP OF
THE OUTSIDE LEDGER USING
PUTLOG COUPLERS (SINGLES)

SIX SCAFFOLD BOARDS
INSTALLED ON THE FAN
WITH ALL BOARDS BEING
SECURED TO THE
TRANSOMS WITH BOARD
RETAINING COUPLERS

FAN TRANSOMS TO
BE INSTALLED AT
0.9M MAXIMUM C/C

PROTECTION FAN DETAIL
SCALE 1:50

PLAN BRACING TO BE
INSTALLED BETWEEN TIES
ON THE FIRST TWO LIFTS OF
THE GLASS SHOP FRONT

SECTION THROUGH
A-A
SCALE 1:125

FACADE BRACING TO
BE INSTALLED EVERY
SIXTH BAY AND TO
THE FULL HEIGHT OF
THE SCAFFOLD

STRUCTURAL
TRANSOMS / TIE
TUBES TO BE
INSTALLED THROUGH
ALL STANDARDS

LEDGER BRACING TO BE
INSTALLED EVERY OTHER
BAY AND TO THE FULL
HEIGHT OF THE SCAFFOLD

BALCONY SCAFFOLD DETAIL
SCALE 1:50

Scaffold Design Key

- Scaffold Tube (Plan, Elevation, Section)
- Tie Tube (Plan, Elevation, Section)
- Facade Brace (Plan, Elevation, Section)
- Ledger Brace (Plan, Elevation, Section)
- Plan Brace (Plan, Elevation, Section)
- Lacing Tube (Plan, Elevation, Section)
- Puncheon (Plan, Elevation, Section)
- Scaffold Centre Line (Plan, Elevation, Section)
- Scaffold Board / Sole Pads
- Scaffold Swivel Fitting
- Scaffold Double Fitting
- Scaffold Check Double Fitting
- Scaffold Putlog "single" Fitting
- Scaffold Tie

Notes:

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THE CONSTRUCTION (DESIGN AND MANAGEMENT)
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PRACTICE.

PRINCIPAL CONTRACTOR TO ENSURE THAT THE
GROUND IS CAPABLE OF SUPPORTING THE
SCAFFOLD AND ALL IMPOSE LOADS

PRINCIPAL CONTRACTOR TO ENSURE THAT THE
STRUCTURE IS CAPABLE OF SUPPORTING THE
SCAFFOLD AND ALL IMPOSE LOADS

SCAFFOLD TO BE ERECTED IN ACCORDANCE WITH
SG4:15

ALL LOAD BEARING CONNECTIONS TO BE MADE WITH
CLASS B COUPLERS CLASS B SWL = 9.1 KN

MAXIMUM LOADINGS

DESIGN LOADS	
DESIGN LOAD 1.	=2.0 KN/M ²
DESIGN LOAD 2.	=1.0 KN/M ²
DESIGN LOAD 3.	=0.75 KN/M ²
NUMBER OF LIFTS	
TOTAL NO. OF LIFTS =	=11 NO. LIFTS MAXIMUM
BOARDED LIFTS =	=11 NO. LIFTS
UNBOARDED LIFTS =	=0 NO. LIFTS
ALLOWABLE VARIABLE ACTIONS	
MAXIMUM WIND PRESSURE =	=0.452 KN/M ²
WORKING WIND PRESSURE =	=0.200 KN/M ²
MAXIMUM SNOW LOAD =	=0.236 KN/M ²
LEGLOAD'S AND BEARING PRESSURE'S	
MAXIMUM LEGLOAD =	=14.02 KN
MAXIMUM BEARING PRESSURE =	=138.5 KN/M ²
TIE LOADS	
REQUIRED TIE LOAD =	=TBC KN
PROOF TEST LOAD =	=TBC KN

Issued for comments

REV:	DESCRIPTION:	BY:	DATE:
REV:	DESCRIPTION:	BY:	DATE:
REV:	DESCRIPTION:	BY:	DATE:
REV:	DESCRIPTION:	BY:	DATE:

Company Address:
29 Devon Rd,
Blackburn, BB1 3LH

Contact Details
Email: Neil@dynamicdesignservices.co.uk
Tel: 07899222564



PROJECT TITLE/DESCRIPTION:
2 KN/M² INDEPENDENT TIED ACCESS SCAFFOLD
EXPRESS 3, GREAT ANCOATS,
MANCHESTER.

SCALE AT A1: 1:125 1:50	DATE: 20/03/2022	DRAWN: NH	CHECKED: RM
PROJECT NO: DYN-0311-01	DRAWING NO: DGA-01	REVISION:	

