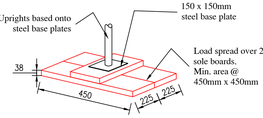


SOLE BOARD DETAIL NOT TO SCALE

KEY PLAN:

LADDERBEAMS	
UNIT BEAMS	
450 ALUMINIUM BEAMS	
750 APOLLO X BEAMS	
GROUNDED UPRIGHTS	○
SUPPORTED PUNCHEONS	⊗

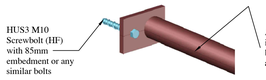
TIE LOAD INFORMATION:
MAX TIE LOAD = 5.75kN+/-
1 in 20 ANCHORS WITH A MIN 0 3NO ANCHORS TO BE TESTED TO = 7.2kN

ANCHORS TO BE INSTALLED AND TESTED IN ACCORDANCE WITH N.A.S.C DOCUMENT TG4 AND MANUFACTURER'S GUIDELINES

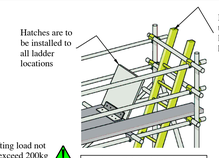
SCAFFOLD TO BE CONSTRUCTED TO SG4:15 SAFE SYSTEMS OF WORK

HANDRAILS TO BE INSTALLED TO ALL OPEN AND UNPROTECTED EDGES

ADJUSTABLE BASE JACK DETAIL Not to Scale



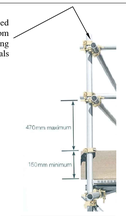
TIE DETAIL NOT TO SCALE



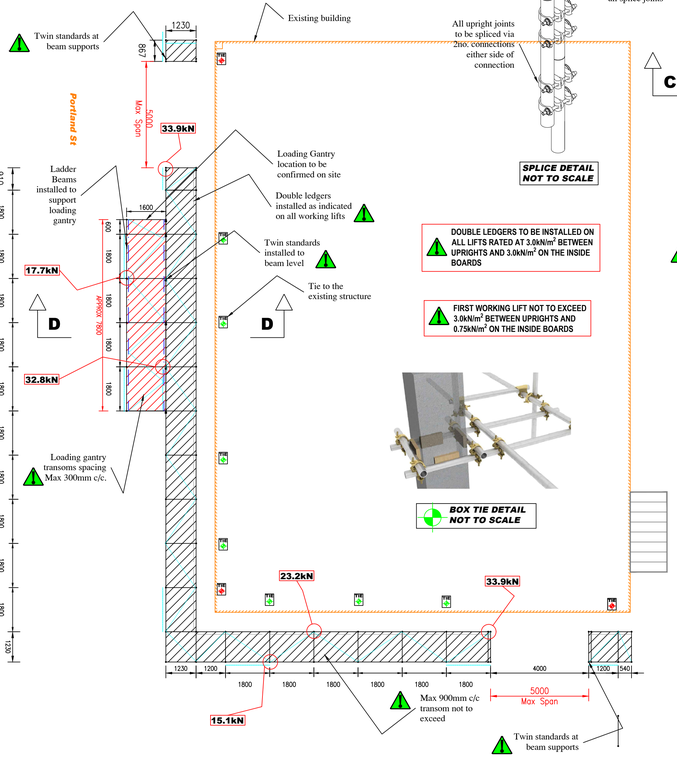
LADDER ACCESS DETAIL NOT TO SCALE

COLOUR KEY CODE:

- ALL SCAFFOLDING SUPPORTED ON GROUND LEVEL
- ALL SCAFFOLDING SUPPORTED ON ROOF LEVEL
- LOADING GANTRY SUPPORTED ON GROUND LEVEL



HANDRAIL DETAIL NOT TO SCALE



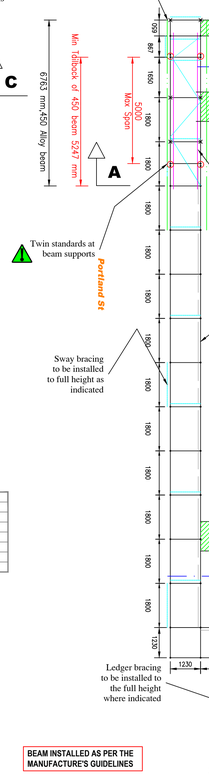
PLAN VIEW GROUND LEVEL SCALE 1 : 100

BOX TIE DETAIL NOT TO SCALE

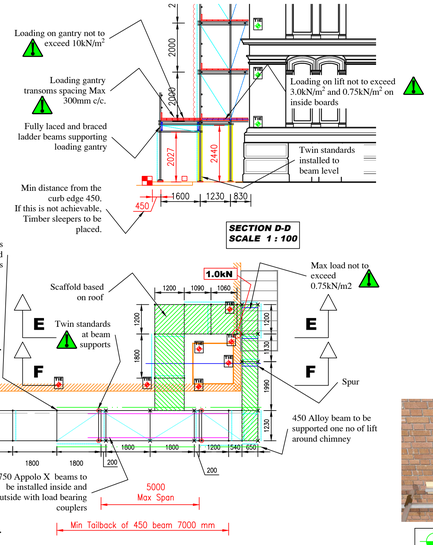
SPLICE DETAIL NOT TO SCALE

DOUBLE LEDGERS TO BE INSTALLED ON ALL LIFTS RATED AT 3.0kN/m² BETWEEN UPRIGHTS AND 3.0kN/m² ON THE INSIDE BOARDS

FIRST WORKING LIFT NOT TO EXCEED 3.0kN/m² BETWEEN UPRIGHTS AND 0.75kN/m² ON THE INSIDE BOARDS

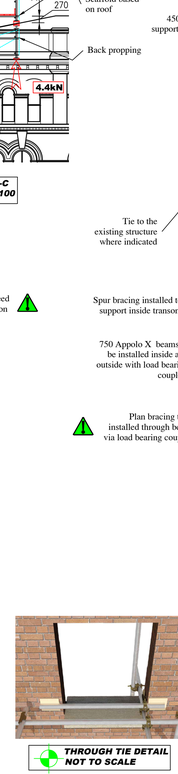


ELEVATION SCALE 1 : 100

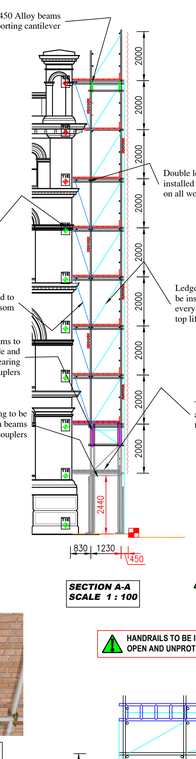


SECTION C-C SCALE 1 : 100

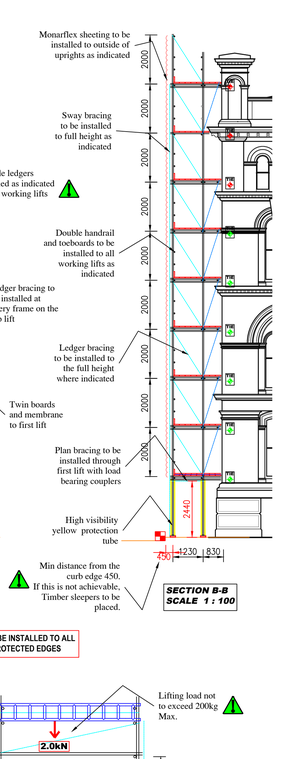
SECTION D-D SCALE 1 : 100



SECTION C-C SCALE 1 : 100



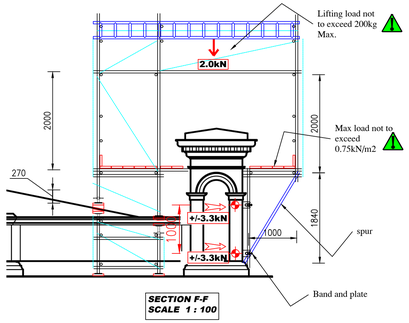
SECTION A-A SCALE 1 : 100



SECTION B-B SCALE 1 : 100

THROUGH TIE DETAIL NOT TO SCALE

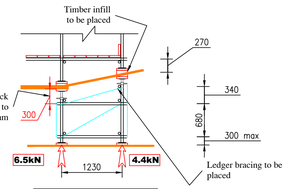
HANDRAILS TO BE INSTALLED TO ALL OPEN AND UNPROTECTED EDGES



SECTION F-F SCALE 1 : 100

ALL TIES ARE TO BE INSTALLED USING LOAD BEARING COUPLERS AT ALL TIMES.

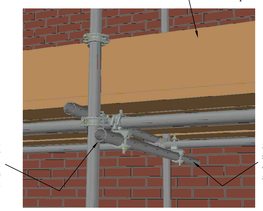
ADDITIONAL TIES MAY BE REQUIRED DEPENDING ON THE TENSILE CAPACITY OF THE ANCHOR USED.



BACK PROPPING DETAIL ROOF LEVEL SCALE 1 : 50

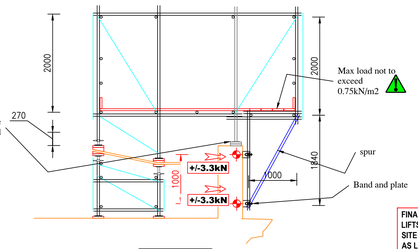
ALL GROUNDED UPRIGHTS TO BE BASED FROM FIRM/LEVEL GROUND AT ALL TIMES.

BEAM INSTALLED AS PER THE MANUFACTURE'S GUIDELINES



STRUCTURAL TRANSOM DETAIL NOT TO SCALE

PLAN VIEW HIGH LEVELS SCALE 1 : 100



SECTION E-E SCALE 1 : 100

FINAL LEVEL OF BOARDED LIFTS TO BE CONFIRMED ON SITE BY MAIN CONTRACTOR AS LONG AS LIFT HEIGHT INDICATED NOT EXCEEDS .

ALL COUPLERS TO BE TYPE EN74 CLASS B WITH MIN 9.1kN SLIP CAPACITY

SEE SEPARATE DRAWINGS 9989-3 (LATEST REV.) FOR TIE LOCATIONS

! DESIGN BASED RESIDUAL HAZARD !

Design based hazards actively eliminated where possible in the design process. Where hazards cannot be eliminated, this symbol on the drawing with an attached note means.
1: Design based hazards exist within this proposal.
2: Action is required by the person supervising the work to manage the design hazards during construction.
In accordance with THE SCAFFOLD CONTRACTORS Procedures. The PERSON SUPERVISING the construction MUST CONTACT the design office BEFORE WORK COMMENCES for CLARIFICATION of the identified hazards.

! PROPOSAL APPROVAL !

CUSTOMER TO:
A- Approve layout prior to any erection.
B- Ensure structure is capable of withstanding all loads imposed from scaffold.

! LOAD CONSIDERATIONS !

IMPOSED LOADING NOT TO EXCEED 1 NO. WORKING LEVEL RATED AT 3.0kN/m² BETWEEN UPRIGHTS WITH 3.0kN/m² ON THE INSIDE BOARDS AND 1 NO. LEVEL AT 1.5kN/m BETWEEN UPRIGHTS WITH 0.75kN/m2 ON THE INSIDE BOARDS.

! LOADING GANTRY ! ! LOAD CONSIDERATIONS !

LOADING GANTRY IMPOSED LOADING NOT TO EXCEED 10kN/m² AT 1 NO. WORKING LEVEL

! BEAM SPANS !

ALL BRIDGE BEAMS TO BE TIED AT 1.0m MAX. ON THE TOP CHORD AND 2.0m MAX. ON THE BOTTOM CHORD, WITH CANTILEVERED BEAMS TIED IN REVERSE (UNLESS STATED OTHERWISE)

GENERAL NOTES

BASIS OF DESIGN
This drawing has been prepared from information supplied to us by, or on behalf of the contractor, who should check that his requirements have been correctly interpreted and that all loadings, dimensions, lift heights, bay sizes, erection/striking sequences etc. are as required and practicable.

IMPOSED LOADS
The contractor is to ensure that the existing structure, it's fabric and/or the ground will safely support the extra imposed loads; or supply new.
Maximum calculated tie load: See notes
Maximum calculated leg load: See notes

LOADINGS ALLOWED
The contractor must ensure that all loading(s) allowed for is sufficient.
Live loads: See notes

Windloading: As BSEN1991-1-4
Maximum number of boarded levels:

SHORING WORK
We can not and will not pass comment on the structure being shored, as this involves matters beyond our control and knowledge. It is the contractors responsibility to ensure that the existing structure will safely span between our supports, and can be safely shored in the way indicated.

FOUNDATIONS
The contractor must prepare all foundations prior to erection.

TEMPORARY ROOFS
No temporary roof can be made watertight.
Loading: Snow loading assessed using BSEN1991-1-3 (current editions), unless the contractor adopts a snow management system.

MATERIALS
All scaffolding materials forming this structure are to comply, and be constructed in accordance with BS1139, BSEN12811 and TG20 (current editions).

MODIFICATION
No alteration is to be made to the structure detailed on this drawing without prior written permission from Prime Scaffold & Structural Designs Ltd.

PROPERTY
This drawing is confidential and the exclusive property of THE SCAFFOLD CONTRACTOR. No unauthorised use, copy or disclosure is to be made, and is to be returned on request.

DIMENSIONS
Written dimensions shall take precedence over scaled dimensions. The contractor must verify all site dimensions and notify of any discrepancies prior to erection.

PERMITS AND PERMISSIONS
The contractor must obtain all permits and permissions prior to erection.

CONSTRUCTION NOTES
1) All ladder beams and/or unit beams are to be tied together at 1200 centres on top chord and 2400 centres on bottom chord, with the top chord plan braced, unless stated otherwise.

2) Unless otherwise noted all lifts other than boarded platform levels are to be constructed using load bearing couplers.

3) All general construction is to be in accordance with TG20 (current edition) unless noted otherwise.

4) Main contractor to undertake all making good where necessary.

5) Main contractors to provide and maintain adequate tie positions.

6) No additional sheeting, wind protection or fans to be added to this structure without prior written permission from Prime Scaffold & Structural Designs Ltd.

ISSUED AS WORKING DRAWING [APPROVED FOR CONSTRUCTION]

Revisions:

	DATE	REVISION DETAILS	INITIAL
A	26/01/2022	Load increaded to 3kN/m2	M.N
B	24/03/2022	Extended Scaffold Around Chimney	H.B
C	12/04/2022	Spur bracing to support transoms & Loading Gantry	H.B
D	28/04/2022	Back propping detail	M.N
E	30/06/2022	Wrap around scaffold updated with client comment	M.N
F	05/10/2022	Update Tie Details and Locations	H.B
G	10/10/2022	Loading bay location updated	M.N

Client:

Titchfield GROUP

Prime Scaffold and Structural Designs Limited
Tel: 0207 403 2994
Web: www.psd.uk.com

TITLE:

Proposed Scaffold Layout for scaffold access at Fraser House, Manchester

DRAWN:	M.Nilforooshan	CHECKED BY:	V.Bariya
CLIENT:	Titchfield Group	DATE:	21/01/2022
SCALE: (ORIG DRG)	As Drg @ A1L	DRG No:	A/9989-1G