

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

Prefabricated retractable transom unit must be TG20: 13 compliant

ANCHORS TO BE TESTED IN ACCORDANCE WITH N.A.S.C. DOCUMENT TG4

ALL TIES ARE TO BE INSTALLED USING CLASS B COUPLERS WITH MIN 9.1kN SLIP CAPACITY AT ALL TIMES.

SUPPLEMENTARY COUPLERS TO BE INSTALLED AT THE CONNECTION POINT WHERE TIE LOAD EXCEEDS 9.1kN.

TIE LOAD INFORMATION: MAX TIE LOAD = 7.7kN +/- MIN PULL TEST TO BE NO LESS THAN 9.6kN

ALL TIES ARE TO BE INSTALLED TO INNER AND OUTER UPRIGHTS AT ALL TIMES.

! DESIGN BASED RESIDUAL HAZARD !

SCAFFOLD CONTRACTOR TO SUPPLY RELEVANT RAMS FOR THE ERECTION AND DISMANTLE OF SCAFFOLD TO THE MAIN CONTRACTOR.

! DESIGN BASED RESIDUAL HAZARD !

SCAFFOLD TO BE DISMANTLED IN LINE WITH PROGRESSION OF DEMOLITION WORKS AT ALL TIMES

RETRACTABLE TRANSOM DETAIL NOT TO SCALE

All beam support tower to be installed with twin boards

Twin sole boards to be installed beneath support tower uprights.

Structural transom to be installed to full height at every standard-to-ledger connection except where tie tubes are already fixed

C. I. Sheeting to be fixed top and bottom on all sheets with an additional centre fixing on all eaves sheets

Temporary cover to consist of layer of corrugated steel sheets connected to roof purlins via pressed steel roofing couplers

Cross bracing to be installed at 2m centres max.

Install ties from the bridge beam to the existing slab as indicated

Apollo X beams installed forming temporary roof

Non-working lifts to be handrailed in accordance with SG4:15

Inner sway brace to be installed from last tie level as indicated

All joints to be spliced using 2no. load bearing couplers either side of joint

Install rakers from the top lift of the scaffold to support temporary roof

450 Alloy beams installed forming flyer to support roof beams

Double handrail and toeboards to be installed to all working lifts as indicated

Monarflex sheeting to be installed to outside of uprights as indicated

Sway bracing to be installed to full height as indicated

All joints to be spliced using 2no. load bearing couplers either side of joiner

Plan bracing to be installed to top chord of bridged beams

Twin ladder beams to be installed forming gantry & supporting access scaffold where indicated

Edge protection to perimeter of temporary roof

Ledger bracing to be installed at every frame above last tie level

Install rakers from the top lift of the scaffold to support temporary roof

Shear ties to be installed at top 3No lifts @ every frame as indicated

Ledger bracing to be installed at alternate frames below last tie level

Plan bracing to be installed to top chord of bridged beams

Cross bracing to be installed at 2m centres max.

Apollo X beams installed forming bridge supporting access scaffold

Edge protection to perimeter of temporary roof

Bracing to be installed at every punchon to support monarflex frame as indicated

Monarflex sheeting to be installed outside of uprights as indicated

All joints to be spliced using 2no. load bearing couplers either side of joiner

Three no. lines Apollo X beams installed forming bridge supporting access scaffold

6no. Band and plate coupler with M12 Excalibur bolts as indicated

Twin Apollo X beams installed forming bridge supporting access scaffold

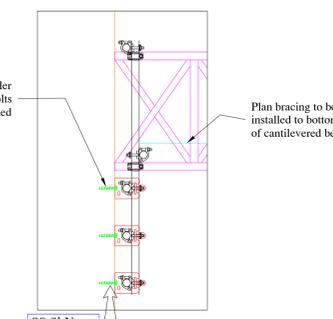
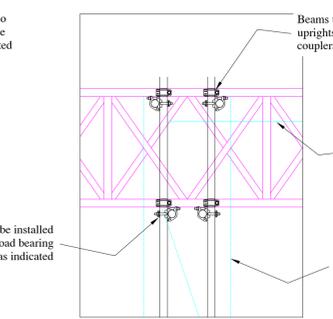
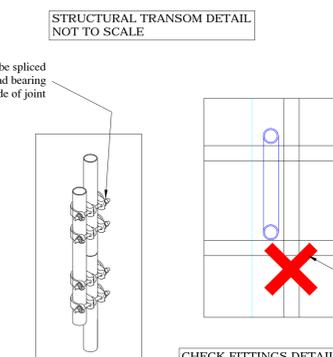
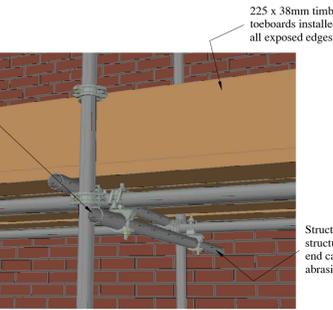
STRUCTURAL TRANSOM DETAIL NOT TO SCALE

SPLICE DETAIL SCALE 1 : 50

CHECK FITTINGS DETAIL SCALE 1 : 10

BEAM CONNECTION DETAIL SCALE 1 : 20

SHEAR TIE DETAIL SCALE 1 : 20



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, its fabric and/or the ground will safely support the extra imposed loads; or supply new.
Maximum calculated live load: See notes
Maximum calculated dead 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 BSEN1991-1-3:2003, 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 and TG20:13 (current editions).

MODIFICATION
No alteration is to be made to the structure detailed on this drawing without prior written permission from PSD (south-east) Limited.

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 ledger 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 TG20:13 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 sheeting, wind protection or fans to be added to this structure without prior written permission from PSD (south-east) limited.

ISSUED FOR APPROVAL

Revisions:

DATE	REVISION DETAILS
A	
B	
C	
D	
E	
F	

Client:

Rodell

PSD (south-east) Limited
Tel: 020 7403 2994
Office: 9-10 Copper Row, London SE1 2LH

TITLE:
**Proposed Scaffold Layout
Access & Temporary Roof
High Holborn, London**

DRAWN: D.Dangerfield **CHECKED BY:** P. Pinto

CLIENT: Rodell Scaff. **DATE:** 04/12/2017

SCALE: As Drg @ A1L **DRG No:** A/RS 6633-4

! PROPOSAL APPROVAL !

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

! GANTRY LOAD CONSIDERATIONS !

IMPOSED LOADING NOT TO EXCEED 1 NO. WORKING LEVEL RATED AT 10.0kN/m2.

SECTION B - B SCALE 1 : 50

! LOAD CONSIDERATIONS !

IMPOSED LOADING NOT TO EXCEED 1 NO. WORKING LEVEL RATED AT 2.0kN/m2 AND 1 NO. LEVEL AT 1.0kN/m BETWEEN UPRIGHTS WITH 0.75kN/m2 ON THE INSIDE BOARDS.

! 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)