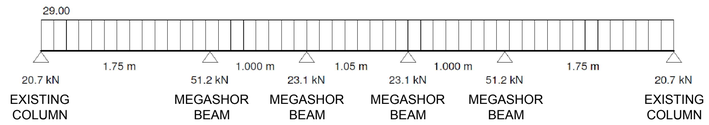
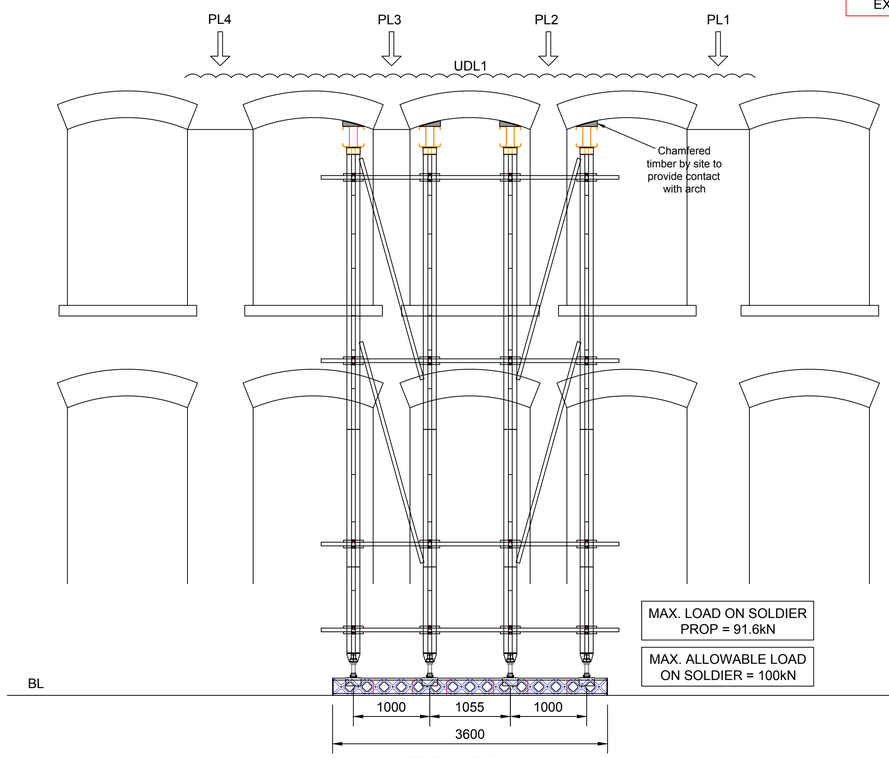


PLAN VIEW

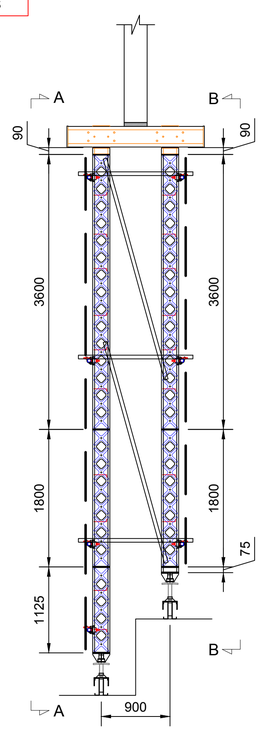
PL1 AND PL2 ASSUMED TO BE FULLY SUPPORTED BY EXISTING COLUMNS

LOADS IMPOSED BY UDL1

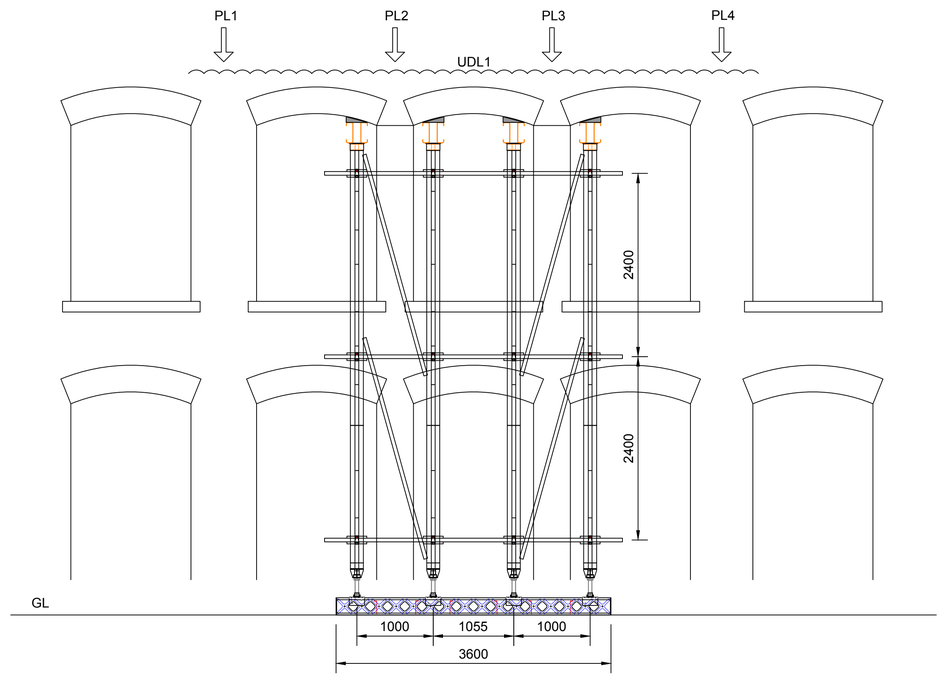




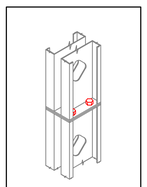
ELEVATION A



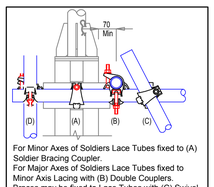
SECTION 1-1



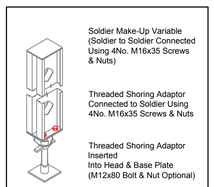
ELEVATION B



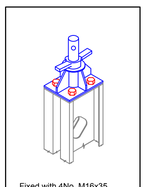
Soldier End to End
(4No. M16x35 HT Screw & Nut)



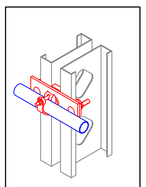
Tube Lacing & Bracing
Soldier Bracing Coupler



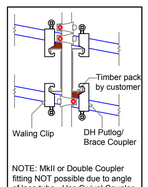
General Arrangement for Shoring
Typical Shore Detail



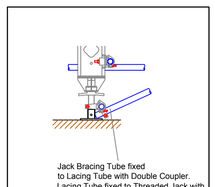
Threaded Shoring
Adaptor



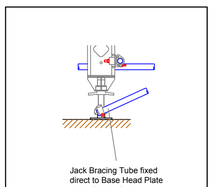
Bracing Coupler
with Lacing Tube



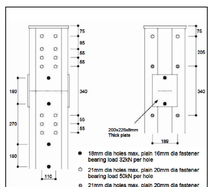
Lace Tube Detail
(For Increasing Angle upto 10°)



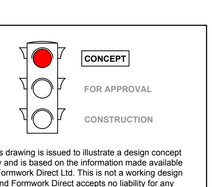
Brace Tube Fixed to
Threaded Shoring Adaptor



Brace Tube Fixed to
Threaded Shoring Adaptor



Megashor Mk2. Details



This drawing is issued to illustrate a design concept only and is based on the information made available to Formwork Direct Ltd. This is not a working design and Formwork Direct accepts no liability for any issues arising from the application of it's content

Formwork Direct Drawing Status
(Not Issued For Construction)

GENERAL NOTES.

1. This drawing is confidential and is the property of Formwork Direct. No unauthorised copy is to be made.
2. This drawing has been prepared from details supplied to Formwork Direct by the CUSTOMER who should check that his requirements have been correctly interpreted and that all loadings, dimensions, details, erection and striking procedures etc. are correct and practicable.
3. This drawing has been prepared in accordance with BS5973 (Superseded by BSEN 12811-1), BS 5975 (in conjunction with BSEN 12812) and/or "Formwork A Guide To Good Practice". Wind loadings to BS EN 1991-1-4. And also any other applicable codes not referred to above. All access platforms should comply with the Work at Height Regulations 2005, and where appropriate in accordance with SG4: 2015. Protection to open ends must be provided by the Customer and be compliant with the same regulations.
4. All proprietary equipment must be used in accordance with the manufacturers' recommendations.
5. The Customer is responsible for ensuring that all scaffolding, falsework and formwork is adequately tied to a part of the permanent works capable of carrying all lateral loads imposed. Where this is not possible the Customer should ensure that sufficient diagonal bracing or strutting is used to stabilise the scaffolding, falsework and formwork against lateral loads which may arise during all phases of erection, use and dismantling.
6. To assist in the preparation of this drawing the following assumptions have been made:
   a) Concrete density is 25 kN/m³. (Soffit formwork minimum value)
   b) Combined soffit formwork and live load to BS 5975 Section 17. loads applied to soffit formwork, live loads and to Appendix D.
   c) Concrete density is 24.5 kN/m³ (Wall formwork 2500kg/m³)
   d) Concrete group is B (CIRIA 108-Formwork:- A Guide to Good Practice).
   e) Concrete temperature is ?? °c.
   f) Rate of placing is ?? m/h rise.
   g) Maximum concrete pressure is ?? kN/m².

$$P_{max} = D\left[C_1\sqrt{R} + C_2K\sqrt{(H - C_1\sqrt{R})}\right]$$

or Dh kN/m2 , whichever is the smaller.

$$K = \left[\frac{36}{T + 16}\right]^2$$

T = Concrete temperature at placing
K = Temperature coefficient
H = the vertical height of the form if greater than the concrete height, m.
R = the rate at which the concrete rises up the form, metres/hour.
h = the vertical height of the concrete pour, m.
D = weight density of the concrete , kN/m³.

C_1 = coefficient dependent on the size and shape of the formwork.
C_1 = 1.0 for wall or base and 1.5 for columns.
C_2 = coefficient dependent on the constituent materials of the concrete.

C_2 = coefficient type A concrete - 0.3
C_2 = coefficient type B concrete - 0.45
C_2 = coefficient type C concrete - 0.6

~~h) Plywood is exterior grade ?????????????? of thickness ????? mm. Plywood direction is face grain parallel to span unless indicated otherwise.~~
~~i) Waling material is??????????????~~
~~j) Secondary bearers are ??????????????~~
~~k) Primary bearers are ??????????????~~
~~singly? / in pairs?~~

7. Stop ends are to be designed by the Customer unless otherwise noted.
8. The Customer is responsible for ensuring that the foundations are capable of safely supporting the loads imposed under all conditions. Bases must be securely fixed.
9. Dimensions are in millimetres unless otherwise noted.

A1 Paper Space

Rev	Description	By	Date
A	CONCEPT	CH	21 AUG 2018

RESIDUAL RISK ASSESSMENT
Where possible risk is designed-out of this proposed during the design process.
Where this is not possible, the risk will be minimised residual risk will be noted

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Drawing Status: CONCEPT

Client: CLAN CONTRACTING
Project: New Little Mill
Title: PROPOSED TEMPORARY SUPPORT MKII SOLDIERS

Drawing Office: LIVERPOOL
Telephone: 0151 532 0179
Drawn by: CH
Checked by:
Date:
Date: 21.08.2018
Drawing Number: FD CH CLA 0004
Revision: A
Scale: N/A