

NOTES:

1. ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE
2. TITAN PROPS TO BE PROP SIZE 4 AND NEEDLE BEAMS TO BE UC 152x152x37 INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S INSTRUCTIONS
3. TITAN PROPS TO BE FOUNDED ON SCAFFOLD BOARD SOLE BOARDS MIN. 450mm LONG & 225mm WIDE.
4. MASONRY TO BE SUPPORTED IS 355mm THICK, AS PER PW DESIGN.
5. NEW STEEL BEAM TO BE UB 457x280x113 AS PER PERMANENT WORKS DESIGN
6. TEMPORARY PROPPING TO BE LEFT IN PLACE UNTIL ALL GROUTS, MORTARS, ETC. HAVE REACHED THEIR REQUIRED STRENGTH AS SPECIFIED BY PERMANENT WORKS DESIGN

COLOUR CONVENTIONS	
BLACK	- EXISTING OR UNCHANGED
BLUE	- MODIFIED OR TO BE MOVED
GREEN	- REDUNDANT OR TO BE MOVED
RED	- PROPOSED OR ADDITIONAL
MAGENTA	- FOR INFORMATION / BY OTHERS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

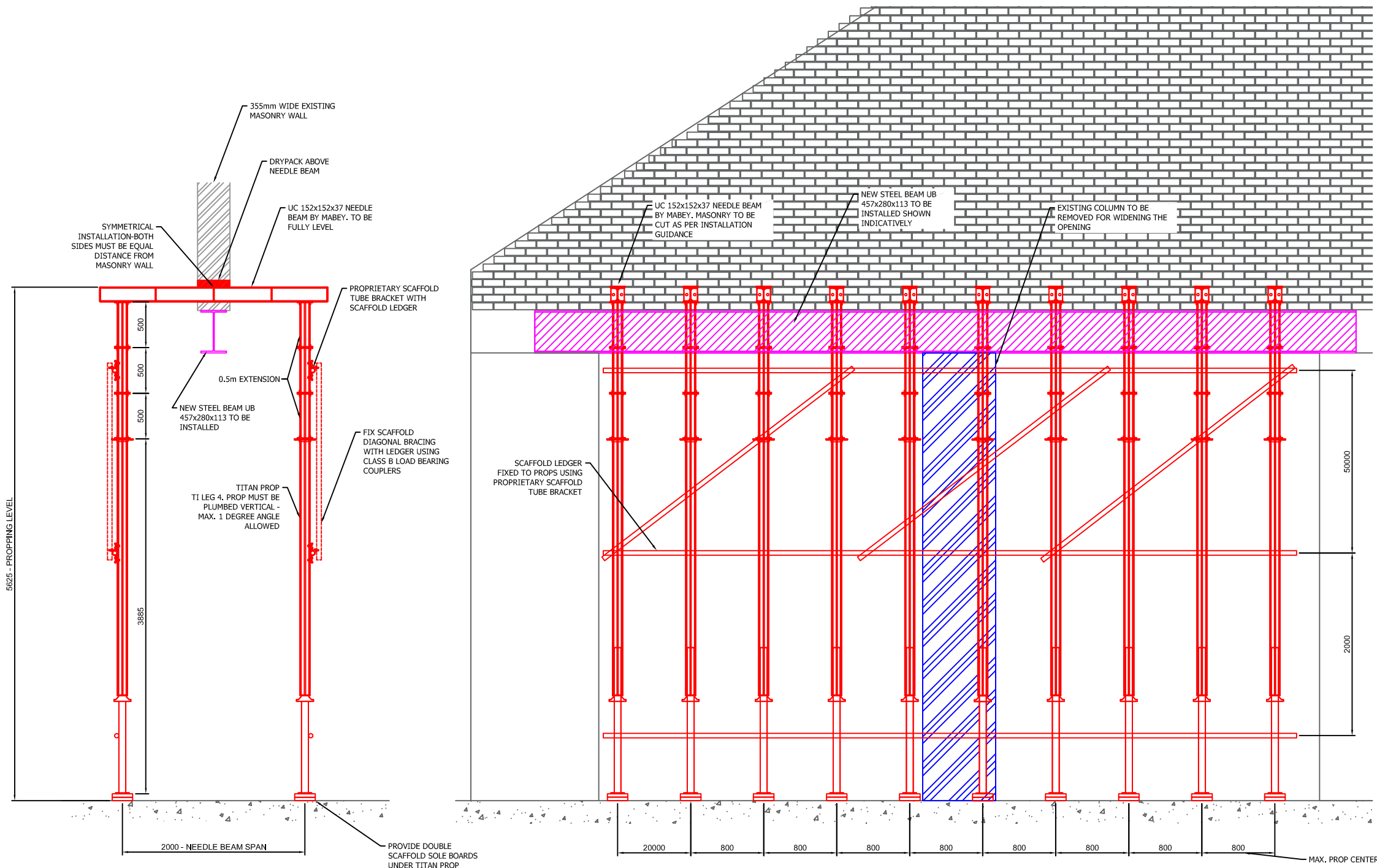
The following notes highlight significant residual hazards identified by the designer. Typical hazards that should be identified by a competent contractor are not included. The contractor shall carry out the works using an approved safe system of work. Further information on hazards can be found in the design risk assessment.

CONSTRUCTION & OPERATION:

- ⚠️ 01 PROPPING SYSTEMS IN THIS DESIGN HAVE NOT BEEN DESIGNED TO RESIST PLANT OR VEHICLE IMPACT LOADING. SUITABLE HIGH VISIBILITY PLANT EXCLUSION ZONE MEASURES SHALL BE INSTALLED AROUND PROPPING SYSTEMS TO PREVENT VEHICLE STRIKES.
- ⚠️ 02 SITE TEAM TO SEARCH FOR ALL EXISTING SERVICES ATTACHED TO WALL IN LOCATION OF NEW BEAM AND DIVERT AS REQUIRED PRIOR TO INSTALLING THE PROPPING.
- ⚠️ 03 THIS DESIGN HAS NOT TAKEN INTO CONSIDERATION ANY POTENTIAL BURIED SERVICES ON THE GROUND SLAB. CONSTRUCTION TEAM SHALL CONFIRM NO BURIED SERVICES ARE PRESENT UNDER THE PROPPING SYSTEM LEGS PRIOR TO INSTALLATION. THIS DESIGN SHALL NOT BE INSTALLED UNDER ANY CIRCUMSTANCES PRIOR TO THIS CHECK BEING UNDERTAKEN.
- ⚠️ 04 NO LIVE LOADING OR STORAGE OF MATERIALS IS PERMITTED ON TOP OF THE MASONRY WALL ABOVE THE PROPPING WHEN THE PROPPING IS IN PLACE.
- ⚠️ 05 THIS DESIGN DOES NOT COVER PEDESTRIAN FLOW ASSESSMENT AROUND THE PROPS. IT IS ADVISED ALTERNATIVE ROUTES ARE IMPLEMENTED FOR BOTH NORMAL WORKING CONDITIONS AND EMERGENCY CONDITIONS (FIRE).

CONSTRUCTION SEQUENCE

- STEP 1
MARK OUT POSITION OF OPENINGS FOR NEEDLE BEAMS ON THE WALL WITH PAINT OR CHALK. ENSURE NEEDLE BEAMS ARE HIGH ENOUGH ABOVE OPENINGS TO INSTALL THE BEAM AND LOW ENOUGH TO INSTALL THE TITAN PROPS. CUT OUT ONLY NEEDLE BEAM OPENINGS. USE A MECHANICAL CUTTER TO REMOVE THE MASONRY AND LIMIT THE DAMAGE TO THE EXISTING WALL.
 - STEP 2
ONCE OPENINGS FOR NEEDLE BEAMS HAVE BEEN MADE THROUGH THE WALL INSTALL THE NEEDLE BEAM ARRANGEMENT. REFER TO DRAWING FOR INSTALLATION SEQUENCE OF THE NEEDLES. ENSURE DRYPACK IS FULLY DRY BEFORE ADJUSTING THE PROPS TO TAKE THE MASONRY LOADING.
 - STEP 3
ENSURE NEEDLE PROPS ARE TIGHT AND TAKING THE LOAD FROM ABOVE. SAW CUT AND PICK OUT ONLY ENOUGH MASONRY FOR THE INSTALLATION OF THE PROPOSED FRAME. REBUILD OPENING REVEALS AS REQUIRED.
 - STEP 4
INSTALL FRAME. LEAVE APPROXIMATELY 50MM OPENING ABOVE THE FRAME TO ALLOW FOR DRY PACKING. ALLOW MORTAR TO SET FOR AT LEAST 24 HOURS. DRY PACK OPENINGS ABOVE BEAM. REMOVE ALL NEEDLE BEAMS AND MAKE GOOD REMAINING WALL.
- NEEDLE BEAMS MUST BE LEVEL AND PROPS PLUMB AND INSTALLED TO MANUFACTURER SPECIFICATION.**



**TYPICAL SECTION VIEW
(SCALE 1:25)**

**TYPICAL ELEVATION VIEW
(SCALE 1:25)**



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-	Issue for Approval 20/06/2024	N.K.
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Client WSW PROJECTS LTD		
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SURREY OFFICE DORSET HOUSE LEATHERHEAD KT22 7PL info@surreyhs.com www.surreyhs.com		HITCHIN OFFICE 46A WILBURY WAY HITCHIN, HERTS SG4 9W P: 020 3488 2363