

Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

METHOD STATEMENT

INSTALLATION: 01/08/24 ONWARDS

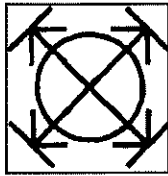
CLIENT: MP BROTHERS LTD

**CONTRACT: 26 SHELDON AVENUE
HIGHGATE
N6 4JT**

JOB REF: PTL-MP-SA

SUPPLY & FIX: SUPPLY & FIX STEELWORK

**LIFT FORMEN: IULIAN DIVISEVICI OR
IONUT DUDUMAN**



Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

1) SCOPE OF WORKS:

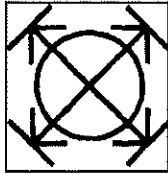
Supply & Fit Steelwork from Basement to 1st Floor in 2 separate visits.

2) SITE CONDITIONS:

- Access/Egress: Sheldon Avenue.
- All routes to be kept clear.
- Overhead crane obstruction: none
- Ground conditions: Good ground conditions. Road and drive are asphalted.
- Access to higher levels is by means of ladders.
- Underground services: Small drains at depth with low risk of collapse.
- Underground void and vaults none present.
- Traffic management is by MP.
- Pedestrian management is by MP.
- Local authority concerned: Haringey Council.
- All necessary permits to be arranged by MP on behalf of Promet if required.
- Road closure details: Not required
- Permit times: 08.00 HRS TO 18.00 Hrs.
- Living tenants: No.
- MP to ensure that other site activities should not impede on the access routes and associated working areas etc.
- All steels stored on ground floor within site compound. This area must be kept clear of other stored materials/machinery/rubbish to allow safe temporary storage of steels.

3) CRANE & LIFTING:

- Lorry to park at front of site next to footpath. Refer to Drg SK1
- MP to set up a seclusion zone around the Lorry by means of barrier tapes, traffic cones and Harris fencing as deemed necessary.



Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

- All items to be lifted shall be within the confines of the demarcation areas on the site. At no time will the boom protrude outside the demarcation zone.
- Crane positions. Refer lifting plan Drawing No SK1 as attached.
- Prior to the crane being set up, inductions will be given to all operative and the crane operator.
- MP to set up a seclusion zone around the crane by means of barrier tapes, traffic cones and Harris fencing as deemed necessary.
- All items to be lifted shall be within the confines of the demarcation areas on the site as per lifting plan attached. At no time will the boom protrude outside the demarcation zone.
- Cranes to be used are various Mobile Tower Cranes.

4) DETAILS OF THE LIFT(S)

Position 1. Drawing SK1.

Crane type: Liebherr LTM 1040

Furthest lift: Radius = 22.0m

Lift weight 0.350t + hook block built into crane + 0.150t
tackles = 0.500t.

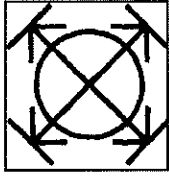
Crane capacity @ 22.0m radius, = 2.500t.

Heaviest lift: Radius = 18.0m

Lift weight 1.991t + hook block built into crane + 0.150t
tackles = 2.141t.

Crane capacity @ 18.0m radius, = 3.500t.

Slinging points. Two points hooking when using chain directly secured to beams. One-point hooking when chain is secured to beam via lifting clamp. Lift included angle between slings is not to exceed 90 deg.



Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

5) WEATHER CONDITIONS:

The maximum wind speed in which this operation can take place is 14m/s.

Note that the local conditions and safety of the personnel may dictate that the Appointed person and the Crane operator(s) must stop lifting operation at lower wind speed then specified above. Lifting operation must stop during storms, or when there is a risk of lightening strikes.

6) COMUNICATIONS

Communication between Slings/signaller shall be by means off hand signals or two-way radios.

Crane operator is to use remote control box facilities when required and available to position steel within the existing building if one comes with the crane.

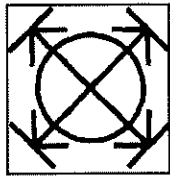
7) CRANE OWNERS

NATIONWIDE LIFTINGS SOLUTIONS

8) INITIAL CONDITIONS

The working area must be cleared by MP to allow the loads lifting operation to take place in a safe manner without endangering miscellaneous personnel not directly involved in the lifting operations.

All personnel not directly concerned with the steel installation must keep out of the related site areas. If necessary, the working area should be cordoned off by MP or otherwise secured against personnel entry.



Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

9) LOAD LIFT PROCEDURE.

Lift supervisor will meet and carry out toolbox talk with all personnel involved in the lifting operation. Upon this being completed all involved in the lifting operation must sign the induction register.

10) RISK ASSESMENTS

Refer separate risk assessment documents as attached.

11) DELIVERY:

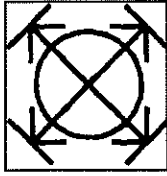
Two separate deliveries (1 Per Phase) of steelwork will be made on a Rigid/HIAB lorry on installation day. Lorry will park outside on footpath.

12) ENABLING WORKS:

- N/A

13) SEQUENCE OF WORK:

- Refer to PTL erection drawings.
- M.P to mark out all setting out lines as per Promet approved drawings.
- Promet to drill and fix resin studs where required.
- Prior to lifting day, M.P is to notify all neighbours that the lifting operation is to be conducted.
- M.P ensure that during steelwork lifting operation, no other persons are present around the steelwork erection area.
- M.P is to set out and monitor secure pedestrian route and traffic route in the car park/access way during the crane and lorry movement in and out of the site.
- M.P is to place temporary barrier fencing/cones around the the lorry once these are in positions if material is being delivered on install day.
- The steelwork is to be erected in the following sequence:



Promet Technology Ltd

Architectural & Structural Steel

Design, Fabrication & Erection

TEL: 020 8965 0500 FAX: 020 8965 3030

1. Steelwork to be spread on Ground Floor slab. The Ground Floor will need to be kept clear for suitable storage.
2. Setting out and drilling works for all columns to be carried out prior to installation.
3. All steel lifting install by Crane, one member at a time to designated floor area.
4. Lifting one steel at a time and offer the steel to the desired location.
5. Commence by installing 2 Nos Columns.
6. For every 2 Columns installed, install a tie beam and secure with bolts and fasteners at both ends of the beam to the column.
7. Once all the steelwork is erected, line up and level all the steelwork and tighten all the bolts. Use ½" Square Drive Torque Wrench for tightening.
 - All M16 Grd 8.8 Bolts to be tightened to a torque of 245N*m
 - All M20 Grd 8.8 Bolts to be tightened to a torque of 480N*m
8. Steelwork to be installed tightened and levelled floor by floor working bottom up.
9. Use packing shims to level steels where required.
10. M.P to grout all base plates or top/bottom of beams once the steelwork is tightened and levelled if required. Promet will confirm to M.P site team when this can be done.

Promet Technology Ltd

Risk Assessment

Job Ref No: PTL-MP-SA

Site: 26 SHELDON AVENUE, HIGHGATE, N6 4JT

TIME/DURATION:

SHIFT HOURS – 8am TO 5pm, DURATION – VARIES AS PER PHASES AND CALL OF

PERSONNEL:

UPTO FOUR OPERATIVE – 1 ENGINEER & 2 LABOURS

SUPERVISION:

JAYMEEN HIRANI – 0208 9650500

MATERIALS (INC DELIVERIES AND STORAGE):

ALL HAND TOOLS INCLUDING FIXINGS/BOLTS WILL BE OFFLOADED FROM VEHICLE BY HAND AND TAKEN TO THE ALLOCATED STORAGE AREA PROVIDED BY MAIN CONTRACTOR

WELFARE:

WELFARE FACILITIES ARE LOCATED ON SITE AND WILL BE IDENTIFIED TO THE TEAM DURING THE INDUCTION

FIRST AID:

MAIN CONTRACTOR TRAINED FIRST AIDERS WILL BE ON SITE AND THE FIRST AID KIT IS LOCATED IN THE SITE OFFICE

EMERGENCY PROCEDRES:

EVACUATIONS OF THE BUILDING ARE UNDERTAKEN IN LINE WITH THE PROJECT EVACUATION PROCEDURES. THE ROUTE AND MEETING/MUSTER POINTS ARE DISPLAYED ON THE HEALTH & SAFTEY BOARD ON SITE AND ARE DISCUSSED DURING THE INDUCTION

KEY: DEGREE OF RISK 1=LOW 2=MEDIUM 3=HIGH PAR =PERSON AT RISK				
OPERATION	HAZARD	DEGREE OF RISK	CONTROL MEASURES	RESIDUAL RISK
ERECTING STEELS CRANE OPERATION	LOAD FALLING PAR – FIXERS AND OTHER OPERATIVES	3	OBSEVER SAFETY POLICY. FOLLOW METHOD STATEMENT. USE INSPECTED AND CORRECT CAPACITY LIFTING EQUIPMENT. ATTACH SLINGS AND TACKLES CORRECTLY. WEAR PROTECTIVE HEAD & FOOTWEAR. MP TO CORDON OF CRANE AREA TO PREVENT PUBLIC/UNAUTHORISED PERSONNEL FROM ENTRERING INTO LIFTING AREA.	1
ERECTING STEELS PORTA GANTRY FRAME OPERATION	LOAD FALLING PAR – FIXERS AND OTHER OPERATIVES	3	FOLLOW METHOD STATEMENT. USE INSPECTED AND CORRECT CAPACITY LIFTING EQUIPMENT. ATTACH SLINGS AND TACKLES CORRECTLY. WEAR PROTECTIVE HEAD & FOOTWEAR. MP TO CORDON OF WORKING AREA TO PREVENT PUBLIC/UNAUTHORISED PERSONNEL FROM ENTRERING INTO LIFTING AREA.	1

ERECTING STEELS	PERSON FALLING PAR – FIXERS AND OTHER OPERATIVES	3	FOLLOW METHOD STATEMENT. CARRY OUT TOOL BOX TALK TO RAISE AWARENESS. MP TO PROVIDE LEADING EDGE PROTECTION BARRIERS/SCAFOLDING WHEREVER REQUIRED. USE LADDERS/PODIUM STEPS ONLY WITH PRIOR APPROVAL/PERMIT FROM YOUR SUPERVISOR OR MP. DO NOT ACCESS/CLIMB TO ANY AREAS WITHOUT EDGE PROTECTION IN. IF IN DOUBT STOP ALL WORK AND REPORT TO YOUR SUPERVISOR WITHOUT TAKING ANY FURTHER RISK.	1
ERECTING STEELS	PINCHING FINGERS PAR – FIXERS AND OTHER OPERATIVES	3	WEAR SAFETY GLOVES. KEEP HANDS AND LEGS CLEAR OF LOAD DURING LIFTING AND DROPPING LOAD. USE TIMBER CHALKES TO KEEP LOAD CLEAR OFF THE FLOOR.	1
ERECTING STEEL	TRIPS AND FALLS PAR – FIXERS AND OTHER OPERATIVES	3	WATCH CAREFULLY WHERE YOU WALK. LOOK OUT FOR OBJECTS ON WHICH YOU CAN TRIP AND FALL. DO NOT WORK NEAR UNPROTECTED EDGE OF VOIDS WITHOUT. REPORT UNPROTECTED EDGES AND TRIP HAZARD TO YOUR	1

ERECTING STEEL	TRIPS AND FALLS PAR – FIXERS AND OTHER OPERATIVES	3	SUPERVISOR OR THE MAIN CONTRACTOR FORMAN. DO NOT CROSS OVER DITCHES, TRENCHES OR VOIDS. DO NOT STEP ON FRAGILE/LOOSE MATERIALS/MEMBERS OVER VOIDS DUE TO RISK OF COLLAPSE OR MOVEMENT. WATCH CAREFULLY WHERE YOU WALK. LOOK OUT FOR OBJECTS ON WHICH YOU CAN TRIP AND FALL. DO NOT WORK NEAR UNPROTECTED EDGE OF VOIDS. REPORT UNPROTECTED EDGES AND TRIP HAZARD TO YOUR SUPERVISOR OR THE MAIN CONTRACTOR FORMAN. DO NOT CROSS OVER DITCHES, TRENCHES OR VOIDS. DO NOT STEP ON FRAGILE/LOOSE MATERIALS/MEMBERS OVER VOIDS DUE TO RISK OF COLLAPSE OR MOVEMENT.	1
GRINDING/DRILLING	EYE INJURY PAR – FIXERS AND OTHER OPERATIVES	2	WEAR SAFETY GOGLES	1

GRINDING/DRILLING	CUTS/GRAZES PAR – FIXERS AND OTHER OPERATIVES	3	WEAR RIGGER GLOVES PROVIDED ENSURE PROTECTION GUARDS ARE IN PLACE AND DO NOT TEMPER WITH THE GUARDS	1
ERECTING STEELS	MANUAL HANDLING PAR – FIXERS AND OTHER OPERATIVES	3	OPERATIVES WILL NOT LIFT ANY ITEMS WEIGHING MORE THEN 20 KG IN WEIGHT. ITEMS WEIGHING MORE THEN 20 KG MUST BE LIFTED BETEEN TWO OR MORE OPERATIVE PROVIDED IT IS SAFE TO DO SO WITHOUT SUSTAINING ANY INJURY. MATERIALS SHOULD BE BROKEN DOWN INTO MANAGEABLE PIECES. ALWAYS USE LIFTING AID PROVIDED. PPE: SAFETY FOOTWEAR BS EN 20345, HI-VIS BS EN 471, SAFETY HELMET BE EN 397	1
SLIPS OR POTENTIAL SPILLAGES	SLIP & FALL'S PAR – FIXERS AND OTHER OPERATIVES	3	OPERATIVES TO WALK THE AREA SO THAT THEY ARE AWARE OF OBSTACLES AND CAN REMOVE OR DIVERT WORKS ACCORDINGLY	1
WORKING AT HEIGHTS ON PODIUMS	PERSON/EQUIPMENT FALLING PAR – FIXERS & OTHER OPERATIVES	3	PODIUM STEPS SHOULD BE INSPECTED, INSPECTION TAG ATTACHED TO EQUIPMENT AND LOGGED IN SITE REGISTER. ENSURE PODIUM STEPS ARE ON	1

TOOLS CHECKS	EQUIPMENT FAILURE/SHORTAGES PAR – FIXERS & OPERATIVES	2	1	FIRM LEVEL GROUND IN THE LOCKED POSITION. ENSURE THE GUARDRAIL/CHAIN IS LOCKED WHEN OPERATIVES ARE ABOARD.
ERECTING STEELS GENIE LIFT	EQUIPMENT USAGE PAR – FIXERS & OPERATIVES	3	1	VISUALLY INSPECT TOOLS PRIOR TO USE AND ENSURE THAT CURRENT PAT TESTS ARE IN PLACE FOR ITEMS. ONLY USE 110V TOOLS ON SITE. ONLY USE TOOLS FIT FOR PURPOSE. PERSONNEL TO BE TRAINED AND COMPETENT TO USE TOOLS. PPE: SAFETY GLASSES BS EN 166, HEARING PROTECTION DO NOT USE AS A PERSONNEL LIFTING PLATFORM OR STEP. DO NOT CLIMB ONTO DEVICE. DO NOT EXCEED THE RATED LOAD CAPACITY. DO NOT RAISE THE LOAD UNLESS THE MACHINE IS ON A FIRM, LEVEL SURFACE. DO NOT MOVE THE MACHINE WITH A RAISED LOAD, EXCEPT FOR MINOR POSITIONING. DO NOT TILE THE MACHINE BACK WITH A RAISED LOAD. DO NOT USE BLOCKS OR OTHER MEANS TO LEVEL THE MACHINE. DO NOT PLACE LADDERS OR SCAFFOLD

POLYESTER RESIN INJECTIONS	SKIN/EYE IRRITATION PAR – FIXERS	3	AGAINST ANY PART OF THE MACHINE. PPE: SAFETY FOOTWEAR BS EN 20345, HI-VIS BS EN 471, SAFETY HELMET BE EN 397 WEAR PPE AS NOTED BELOW. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. DO NOT EAT OR DRINK WHEN USING THIS PRODUCT. WASH HANDS THOROUGHLY WITH WARM WATER AND SOAP AT THE END OF TASK. PPE: GOGGLES WHEN APPLYING PRODUCT. WEAR PROTECTIVE GLOVES AND WEAR PROTECTIVE CLOTHING TO AVOID DIRECT SKIN CONTACT.	1
ERECTING STEELS PORTA GANTRY FRAME OPERATION	TRIPS AND FALLS PAR – FIXERS AND OTHER OPERATIVES	3	EDGE PROTECTION AT ROOF LEVEL REQUIRED (BY JAYSAM) WHEN USING PORTA GANTRY/CHAIN HOIST. KEEP AWAY FROM ROOF VOID AT MEANS IF NO EDGE PROTECTION IS IN PLACE.	1
STAGING BOARDS	PERSON/EQUIPMENT FALLING	3	TEMPORARY ANGLES TO BE INSTALLED TO SLAB/FLOOR AND	1

WELDING	PAR – FIXERS & OTHER OPERATIVES	3	SECURED USING RESIN STUDS OR SCREWS. STAGING BOARDS TO BE POSITIONED BETWEEN RESIN STUDS SO THAT THE BOARDS ARE SECURED AND LOCKED IN TO AVOID MOVEMENT. USE WELDING SHIELD WITH CORRECT LENS. SITE SUPERVISOR TO ENSURE NO SITE PERSONNELS ARE WORKING NEAR THE WELDING AREA. SUPERVISOR TO BOARD UP / BLOCK OFF THE AREA WHERE WELDING IS BEING CONDUCTED.	1
WELDING/CUTTING	BURNS, FIRE PAR – FIXERS AND OTHER OPERATIVES	3	WEAR PROTECTIVE CLOTHING AND WELDING GLOVES. POSITION FIRE EXTINGUISHER NEAR ANY WELDING OPERATION. OBTAIN HOT WORK PERMIT FROM MAIN CONTRACTOR. STOP ALL HOT WORK ATLEAST ONE HOUR AND MP TO MONITOR SURROUNDING AREA FOR ONE HOUR AFTER HOT WORK OPERATION FOR SMOULDERING OR FIRE. BEFORE ANY MATERIAL IS LIFTED ENSURE THAT IT IS COLD TO TOUCH AND HAS NOT JUST BEEN WELDED/CUT.	1

WELDING/CUTTING	FIRE	3	MP TO REMOVE ANY FLAMMABLE MATERIALS I.E. CARDBOARD BOXES, PAPER, PLASTICS AND RAGS FROM THE WORKING AREA BEFORE CUTTING COMMENCES. BE AWARE OF THE WORKING LOCATION AND USE OF CO2 FIRE EXTINGUISHERS IN THE AREA WHERE WORKS IS CARRIED OUT. TNV TO ENSURE THAT SUFFICIENT CO2 FIRE EXTINGUISHERS ARE MADE AVAILABLE TO PROMET PERSONNEL.	1
WELDING/CUTTING	EYE IRRITATION	3	SAFETY GOGGLES SHOULD BE WORN DURING CUTTING AS ABRASIVE PARTICLES AND HOT SPARKS ARE THROWN OFF. IN THE EVENT OF IRRITANT GETTING INTO EYES REPORT TO THE SUPERVISOR. USE EYEWASH WHICH IS TO BE PROVIDED BY TNV PERSONNEL RESPONSIBLE FOR SITE HEALTH & SAFETY. SAFETY GOGGLES SHOULD BE WORN WHEN USING GRINDER AS ABRASIVE PARTICLES ARE THROWN OFF. IN THE EVENT OF IRRITANT GETTING INTO EYES REPORT TO THE SUPERVISOR. USE EYEWASH WHICH IS TO BE PROVIDED BY TNV PERSONNEL	1

ERECTING STEEL	TRIPS AND FALLS PAR – FIXERS AND OTHER OPERATIVES	3	RESPONSIBLE FOR SITE HEALTH & SAFETY. WATCH CAREFULLY WHERE YOU WALK. LOOK OUT FOR OBJECTS ON WHICH YOU CAN TRIP AND FALL. DO NOT WORK NEAR UNPROTECTED EDGE OF VOIDS WITHOUT A SAFETY HARNESS SECURED TO A FIRM ANCHORING POINT. REPORT UNPROTECTED EDGES AND TRIP HAZARD TO YOUR SUPERVISOR OR THE MAIN CONTRACTOR FORMAN. DO NOT CROSS OVER DITCHES, TRENCHES OR VOIDS. DO NOT STEP ON FRAGILE/LOOSE MATERIALS/MEMBERS OVER VOIDS DUE TO RISK OF COLLAPSE OR MOVEMENT.	1
LORRIES OPERATING ON THE ROAD/SITE	VEHICLE ACCIDENT. PEDESTRAIN ACCIDENT. PAR – FIXERS AND OTHER OPERATIVES PUBLIC & OTHER CONTRACTORS	3	MP TO CORDON OF LORRY WITH SUITABLE BARRIERS. MP TRAFFIC MARSHALLS TO CONTROL TRAFFIC FLOW, MOVEMENT OF CRANE AND LORRIES IF REQUIRED.	1
ERECTING STEELS	HAND ARM VIBRATIONS FROM	1	ROTATE BOLT WRENCH AMONGST OPERATIVE TO LIMIT EXPOSURE TO	1

ELECTRIC BOLT WRENCH. PAR – FIXERS AND OTHER OPERTIVES		
VIBRATIONS. OPERATOR WILL NOT USE ELETIC BOLT WRENCH FOR MOARE THEN 25 MINIUTES.		

INDUCTION CONDUCTED	ATTENDED BY:	SIGNATURE	DATE
TOOL BOX TALK CONDUCTED			

SIGNED: DATE: 01/08/24.....