PELL & BALDWIN
(FABRICATIONS) LTD

Method Statement rev 01

BLACK BRIDGE

HEIGHT INCREASE RAILINGS

START DATE - N/A



METHOD WRITTEN BY ALAN PELL

DATE 02/02/2026

Method Statement

Reference No : 160425

Operation : Installation of height increase railings

References : See attached Risk Assessments / Drawings

Note : ***This method statement must be fully explained to all employees involved in the operation prior to the commencement of the works. Each operative is to sign the signature box at the end of this method statement to acknowledge receipt of information, and must attend a site specific site induction organised by the Main Contractors Safety Advisor.***

Scope of Work

Description and sequence

To diamond core drill into copings of existing bridge

Installation of posts into pre core drilled holes

Install new railings to posts.

The appropriate Traffic Management will be required and will be installed by others to protect Pell & Baldwins site installation team. This should be installed to prevent any pedestrians or vehicles entering the working area and protect the workforce and pedestrians. No works are to commence until the Traffic Management has been installed correctly, and has been approved by Havering Borough.

The work will be carried out during working hours 08:00 hrs – 17.00hrs unless otherwise agreed

Clearly marked works entry and exit points should be made aware to all P & B fitters

No works are to commence until the workforce have been inducted by the Main Contractor and have received a method statement, risk assessment brief from the Contracts Manager or Site Supervisor.

No works are to commence until a permit to work has been issued by the Main Contractor clearly identifying all site hazards

Method

2.0 Parapet Assembly and Installation Overview

2.1 General

The procedure below is intended to give a general overview of the assembly and installation for new bridge parapet system. It deals purely with the assembly of the parapet to be installed.

2.2 Site Preparation

Before starting installation, the contractor should ensure that the site has been properly prepared and secured in accordance with requisite health and safety requirements. This should include addressing the need to close off traffic lanes or apply other traffic control measures and the installation of nets and other safety equipment for the height and site location concerned

2.3 Marking Out

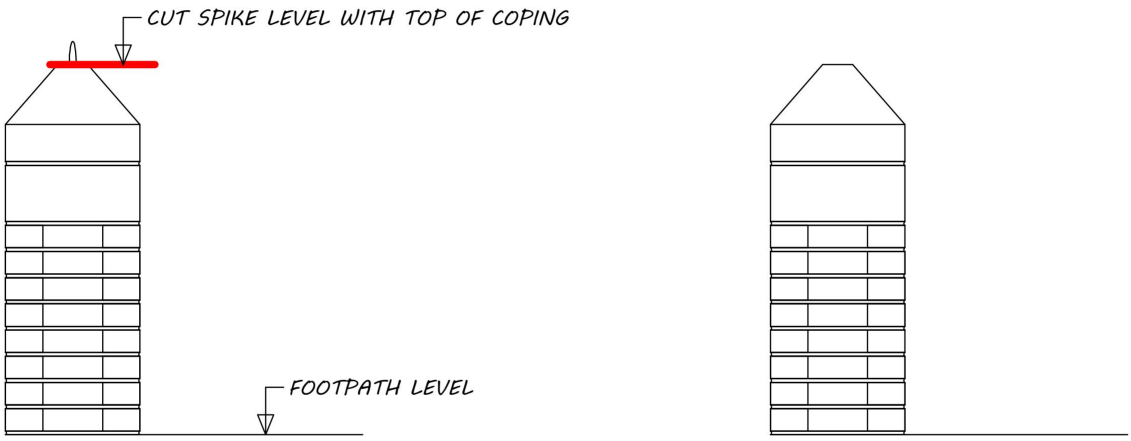
The following is prepared and marked out in advance of assembly by Pell & Baldwin

a) Datum line for the railings
b) Post centre positions (use P & B Layout drawing issued)

1.

i MARK THE LOCATION OF EACH POST USING THE LAYOUT DRAWING SUPPLIED BY PELL & BALDWIN

ii IF ONE OF THE EXISTING SPIKES ARE IN THE LOCATION OF THE NEW POSTS, THE SPIKE MUST BE REMOVED

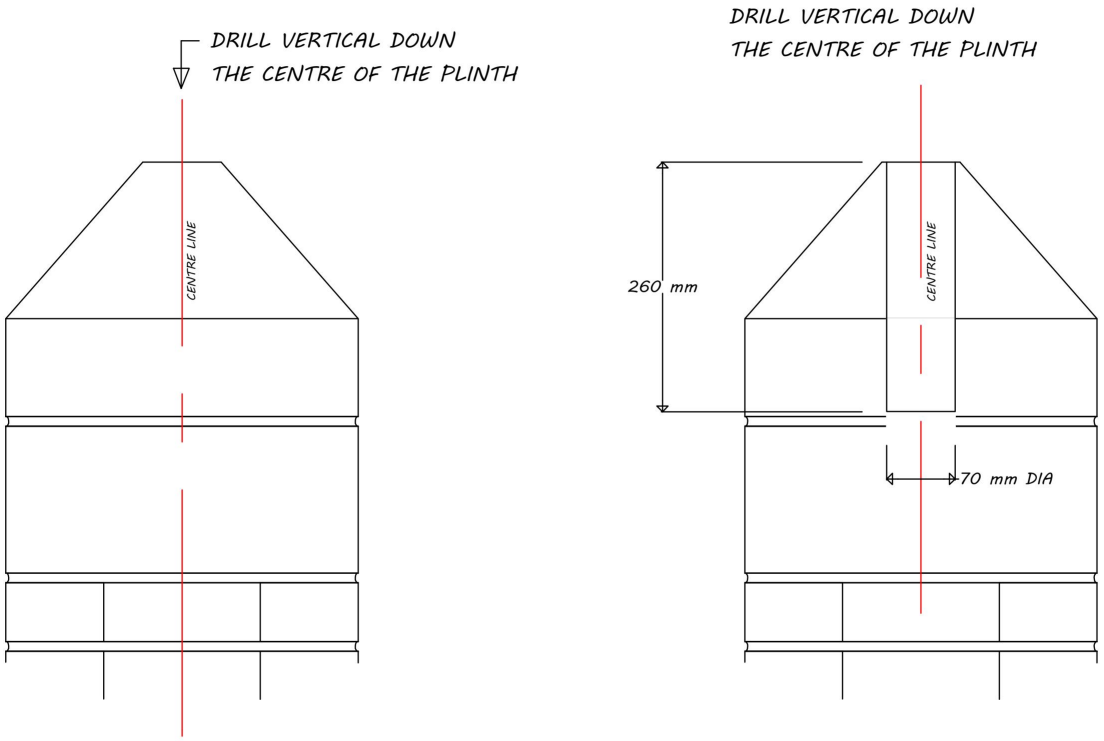


SECTION THROUGH EXISTING PLINTH

2.

i USING A 70mm CORE BIT, WET OR DRY CORE A VERTICAL HOLE THROUGH THE TOP OF THE COPING TO A DEPTH OF 260mm

ii IF ONE OF THE EXISTING SPIKES ARE IN THE LOCATION OF THE NEW POSTS, THE SPIKE MUST BE REMOVED

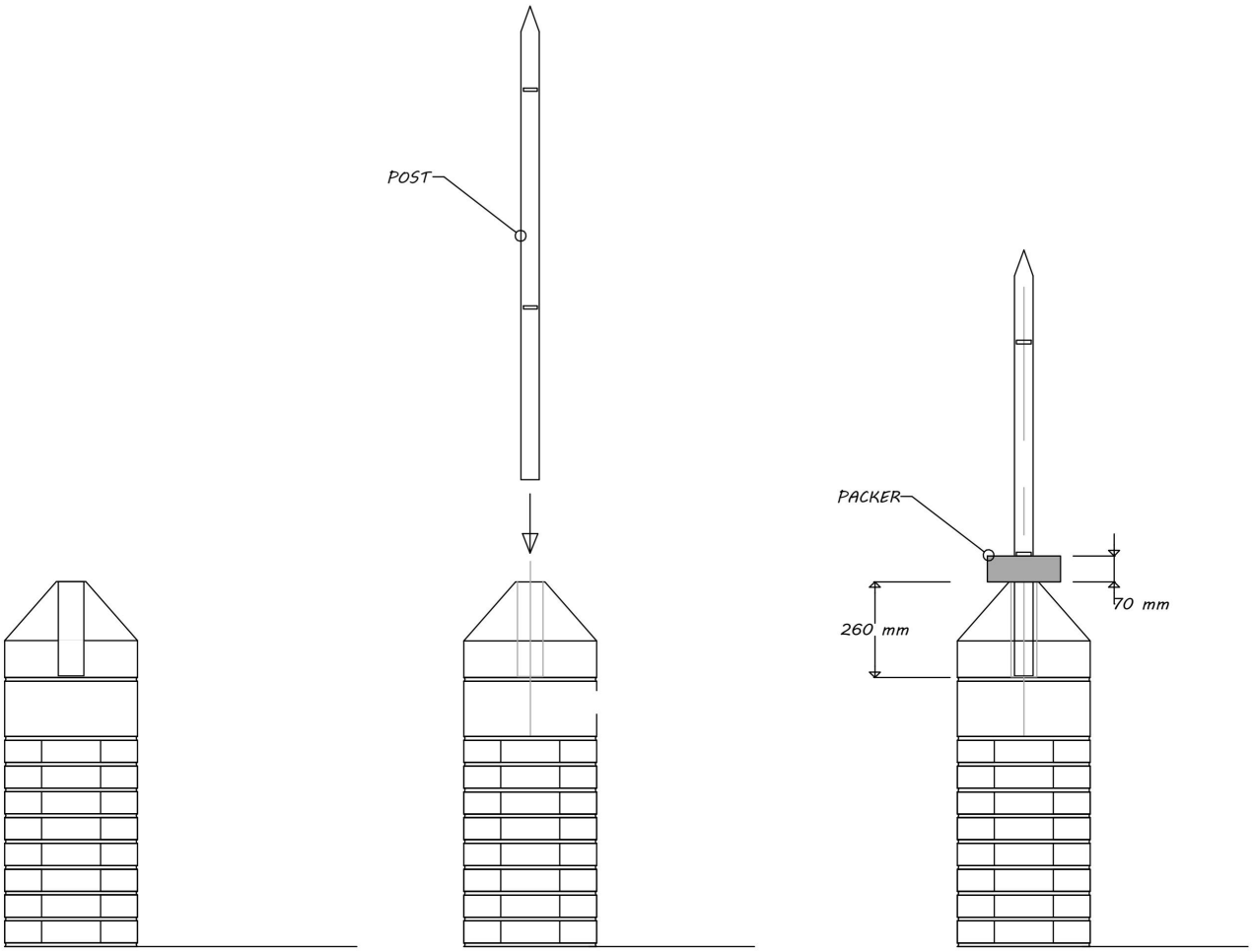


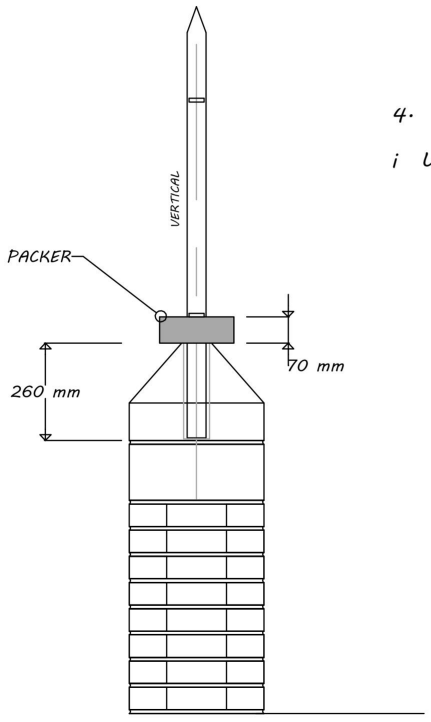
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3.

i INSTALL THE FIRST POST IN SEQUENCE INTO THE HOLE DRILLED

ii THE POST MUST BE FITTED TO SIT ON A 70mm PACKER AS SHOWN





4.

i USING A SPIRIT LEVEL, MAKE SURE THE POST IS SET VERTICAL ON ALL FACES.

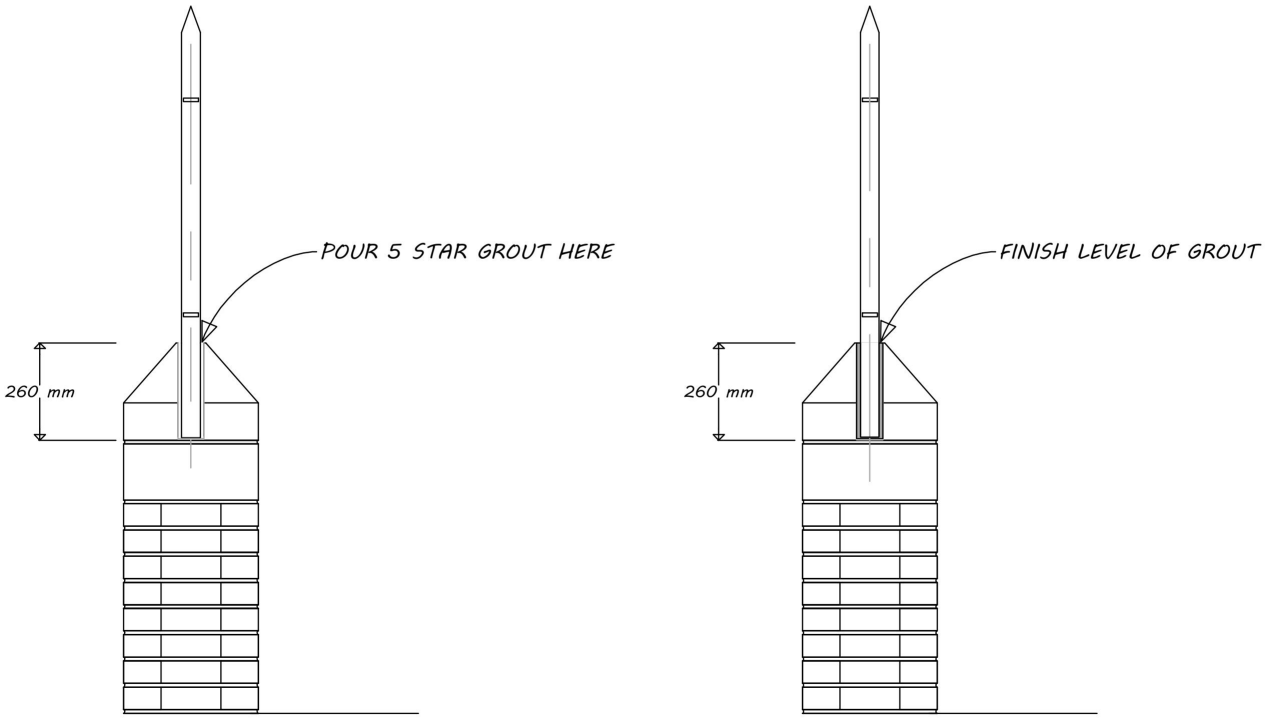
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4.

i POUR 5 STAR NON SHRINK GROUT INTO THE GAP AROUND THE POST TO FILL THE VOID AND SECURE THE POST INTO LOCATION

ii FILL THE VOID AROUND THE POST TO THE TOP OF THE COPING

ii ALLOW GROUT TO SET AND SECURE POST INTO POSITION BEFORE REMOVING PACKER

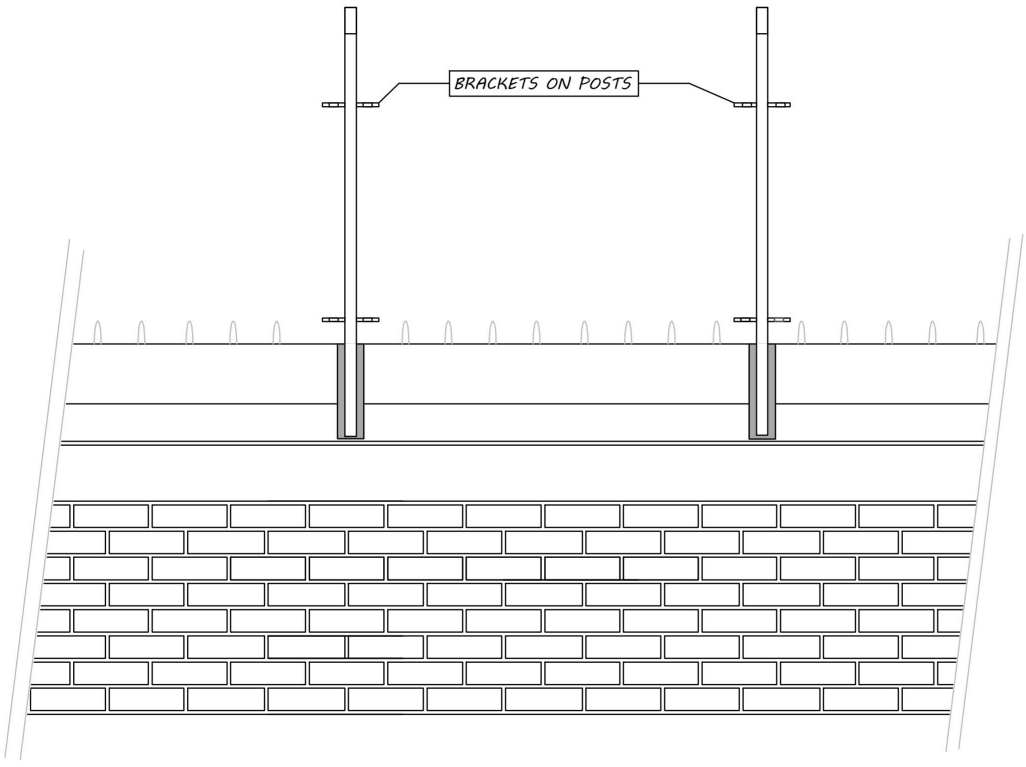


5.

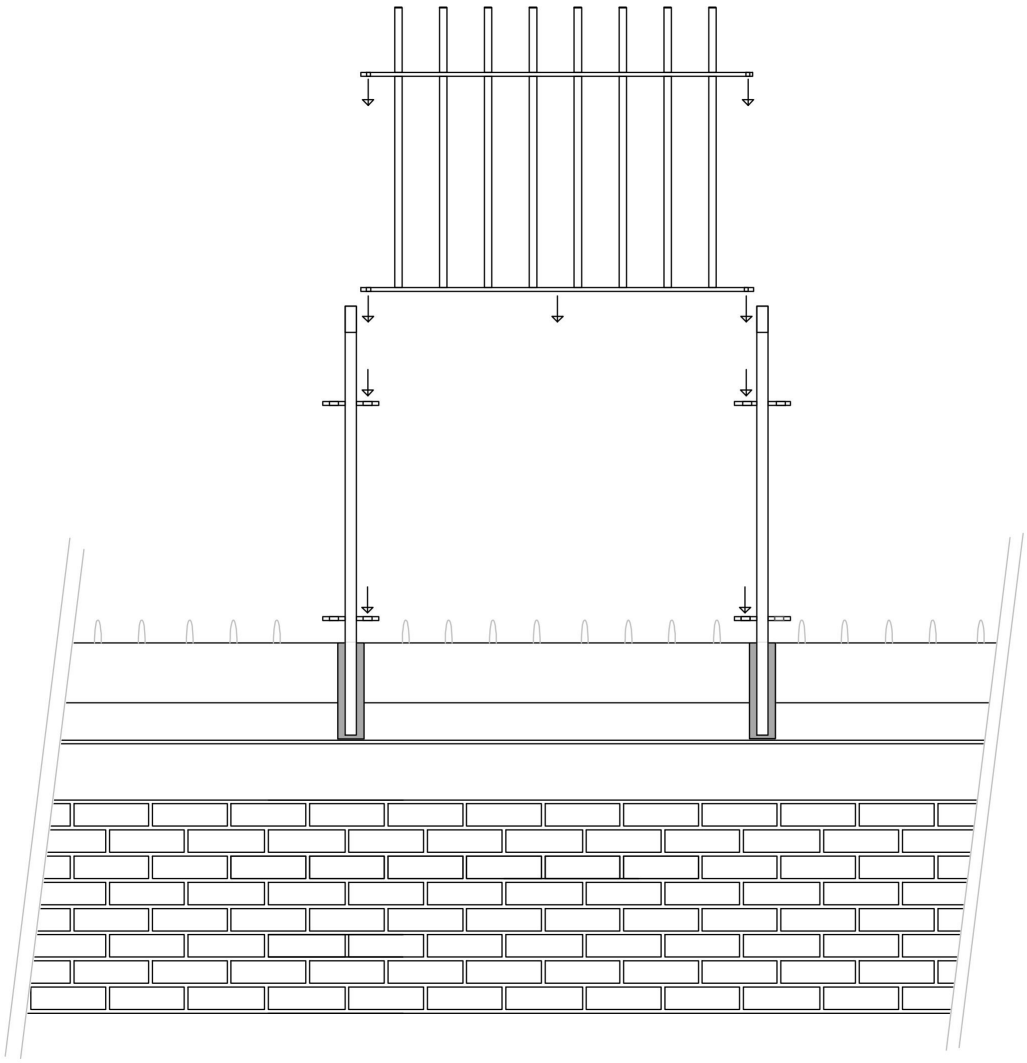
i WITH THE POST SET INTO POSITION THE PANELS CAN NOW BE BOLTED IN SEQUENCE TO THE POSTS

ii FILL THE VOID AROUND THE POST TO THE TOP OF THE COPING

ii ALLOW GROUT TO SET AND SECURE POST INTO POSITION BEFORE REMOVING PACKER

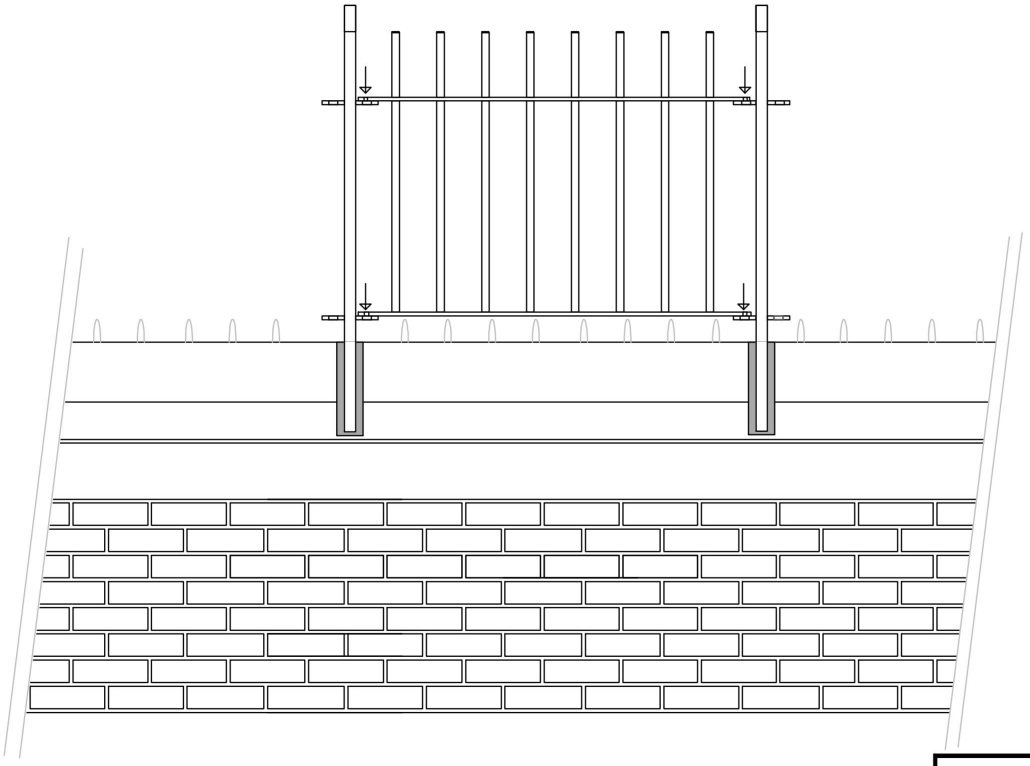


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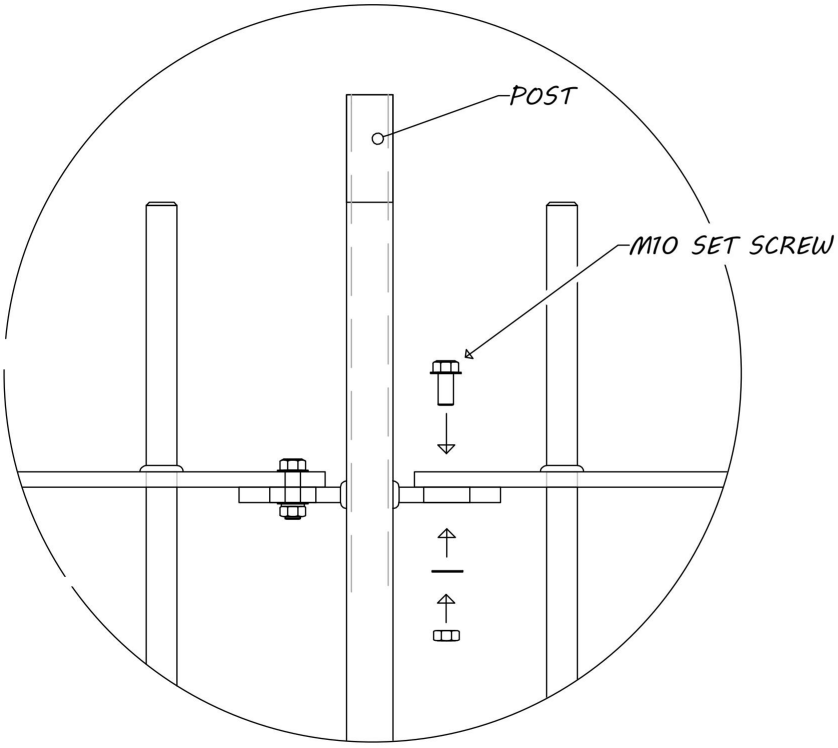


5.

i LIFT THE FIRST PANEL IN SEQUENCE ONTO THE INSTALLED POSTS WITH THE HOLES IN THE PANELS MATCHED UP TO THE HOLES IN THE BRACKETS ON THE POSTS



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6.

i INSTALL THE M10 SET SCREW FROM THE TOP THROUGH THE HOLE IN THE PANELS (X 4) AND THROUGH THE POST BRACKETS

ii THE WASHER CAN THEN BE INSTALLED FOLLOWED BY THE NUT

iii TIGHTEN THE NUT ANMD BOLTS TO SECURE PANEL IN PLACE, REPEAT PROCESS TO INSTALL ALL PANELS

7.

i WHEN ALL PANELS ARE INSTALLED CHECK ALL BOLTS ARE TIGHT

ii CHECK THE PAINT SYSTEM ON THE RAILINGS AND TOUCH UP ANY DAMAGED PAINT

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3 . Access/Egress

Access Routes

3.1. Site access and egress only made through designated and properly signed works access and works exit areas.

Access for Emergency Services and others

3.2. Works access and exits are to be kept clear to enable emergency vehicle access at all times.

4. Lighting

Daytime and Night time working. Task lighting if required to be provided by Murphy

5. Plant & Equipment

Schedule of Equipment

5.1. Site Van - 3.5t gross drop side

All vehicles shall be fitted with a flashing amber beacon and display a Motorway Maintenance chevron sticker in a prominent position upon the rear of the vehicle. Driver/s to make visual checks before traveling to site

Specialist Equipment

5.2. 110v pistol drill and 210mm Disc cutter

Noise /vibration information
Measured values determined according to EN 60745
Total vibration values (vector sum of three directions)
Surface drilling
Vibration emission value ah 8,5 m /s²
Uncertainty K 1,5 m /s²

The A-rated noise level of the power tool is typically as follows:
Sound pressure level 91 dB(A); Sound power level 102 dB(A).
Uncertainty K= 3 dB.

5.3 Material Weights / loading

Maximum weight
Post 10kg each
panels 49kg each

Training

6.0. All operatives using any of the plant or equipment listed above shall have been trained in its correct use, and therefore deemed as a competent operative.

6.1 Operators of plant and vehicles are to switch off all plant or equipment when it is not in use. This will reduce emissions into the atmosphere, and will reduce noise. When switching off the equipment, ignition keys are to be removed so as to prevent the unauthorised use.

7. Risks and Controls

See attached Risk Assessments

8. Housekeeping

8.1. Site to be kept clear of debris at all times. All waste to be disposed of appropriately using site skips where agreed.

Frequency
8.2. Daily checks as a minimum

9.0. Mandatory items :
9.1 Safety Footwear
9.2. Class 3 Full High Visibility Clothing (yellow or orange)
9.3. Hard Hats
9.4. Hearing Protection
9.5. level C cut resistant Gloves
9.6. Eye goggle Protection
9.7 Air Fed respirator

Each fitter to take full responsibility of their own PPE equipment which includes checks for damaged and keeping clean. Any damaged found will require the item to be replaced with new (please take care of all PPE for your own safety and do not miss use.

Issue, Maintenance

All PPE is to be issued free of charge. Managers are to instruct the operatives in the procedures for cleaning, maintenance, storage, and replacement of their PPE.

Services may be called in case of an incident. Once services have been called and any necessary evacuation has been carried out, the lead erector to inform the Contracts Manager so that role call may be taken of employees.

Adverse Weather Conditions

10.0. If working area become subject to ice or snow operatives are to withdraw from site until such time as the highway is considered safe by the Clients on-site Health & Safety Manager. Should any person be concerned over any safety or environmental matter, contact their Contracts Manager immediately.

Equipment

10.1
All persons working on site have a duty to ensure that equipment is maintained in safe working order. They shall be reminded of this point at their tool box talks / induction.

Spillage

11.0
Should any spillages occur on site, inform the Contracts Manager so that any emergency procedures may be initiated.

11.1.If diesel is spilt onto the carriageway, operatives in the immediate vicinity are to withdraw until the highway has been cleared by the emergency services.

12.0 Telephone

.
Lead erectors shall all be in possession of mobile telephones so that they are able to contact their Contracts Manager and vice versa.

This method statement and the associated risk assessment will be verbally explained to all employees and to all contractors involved in the operation prior to its commencement.

Method and risk explained and issued to operatives:

By Alan Pell

Signed ……

Please print and sign below if you understand and agree to the method and risk assessment for the Pedestrian parapet works titled on page 1

Print Name……...

Sign ……Date / /