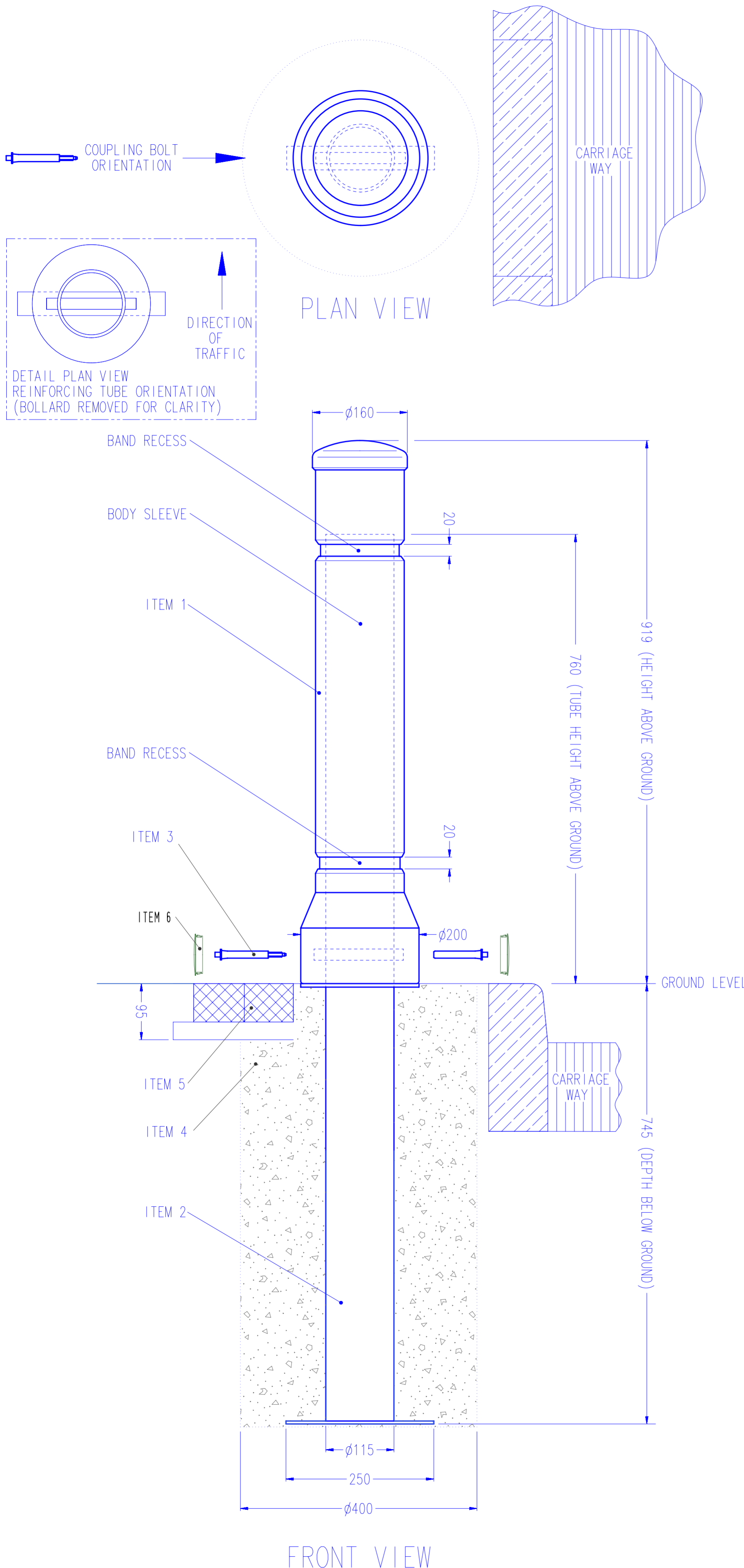


# MODEL SPECIFICATION

## NEOPOLITAN™ 20 BOLLARD – GUARDSMAN™ – ANTI-RAM RAID



### PRODUCT INFORMATION:

- WEIGHT - BOLLARD 3.5 Kg  
- REINFORCING TUBE 21.3 Kg  
- TOTAL 24.8 Kg
- MATERIAL - BOLLARD - DURAPOL®  
- REINFORCING TUBE - GALVANIZED MILD STEEL
- COLOURS - MILLSTONE, SANDSTONE, BLACK, AIRCRAFT GREY, STONE, WHITE AND DARK BLUE.
- DIMENSIONS - ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

### INSTALLATION GUIDE:

- ITEM 1 - REMOVABLE BOLLARD
  - ITEM 2 - REINFORCING TUBE
  - ITEM 3 - COUPLING BOLTS
  - ITEM 4 - QUICK SETTING CONCRETE (eg. GRADE QC10)
  - ITEM 5 - BLOCK PAVING
  - ITEM 6 - GLASDON BADGE HOLE PLUG
  - ENSURE REFLECTIVE BANDING IS IN THE CORRECT ORIENTATION - RED TOWARDS ONCOMING TRAFFIC (YELLOW ON CENTRAL RESERVATION).
  - THE REINFORCING TUBE IS TO BE ORIENTATED SO THAT THE COUPLING BOLT IS INSERTED AT 90° TO THE CARRIAGE WAY (SEE DETAIL PLAN VIEW FOR CORRECT ORIENTATION).
  - RECOMMENDED HOLE SIZE  $\phi 400\text{mm} \times 745\text{mm}$  DEEP.
  - WE RECOMMEND THE REINFORCING TUBE IS BEDDED ON GRAVEL AND A 300mm MINIMUM DEPTH OF CONCRETE SHOULD BE USED.
  - THE REINFORCING TUBE SHOULD BE FILLED WITH CONCRETE FOR ADDED STRENGTH.
  - THIS BOLLARD IS ALSO AVAILABLE WITH SOCKET, CONCRETE-IN ANCHOR FIXINGS OR SURFACE MOUNT FIXINGS.
  - AVOID CONTACT WITH HOT TARMACADAM AS THIS WILL SERIOUSLY IMPAIR THE PERFORMANCE OF THE BOLLARD.
  - WE RECOMMEND INSTALLING WITH QUICK SETTING CONCRETE (eg. GRADE QC10) BUT EXACT INSTALLATION REQUIREMENTS SHOULD BE ASSESSED FROM A SITE SURVEY.
- OPTIONAL PARTS:
- ALUMINIUM BACKED RETROREFLECTIVE BANDING (TO BS EN 12899-1:2007, FIXED, VERTICAL ROAD TRAFFIC SIGNS) OR DECORATIVE BANDING MAY BE FITTED.
  - STANDARD BANDING SETS:  
2 x 20mm BANDS (WITHIN THE 2 BAND RECESSES).  
1 x 480mm BODY SLEEVE.
  - STANDARD OR SPIKED CHAIN LINKAGE IS AVAILABLE. RECOMMENDED PITCH BETWEEN BOLLARDS 1.1m.
  - SPARE BOLLARDS, KEYS AND BANDING ARE AVAILABLE.
  - ALL RETOREFLECTIVE MATERIALS SUPPLIED BY GLASDON ARE AS RECOMMENDED IN TABLE NA1 OF THE NATIONAL ANNEX OF BS EN 12899-1 2007 FIXED VERTICAL ROAD SIGNS.



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SPECIFICATION NUMBER - 11S019-S01

ISSUE 08

GLASDON GROUP LTD 18/02/15

SHEET SIZE:A2