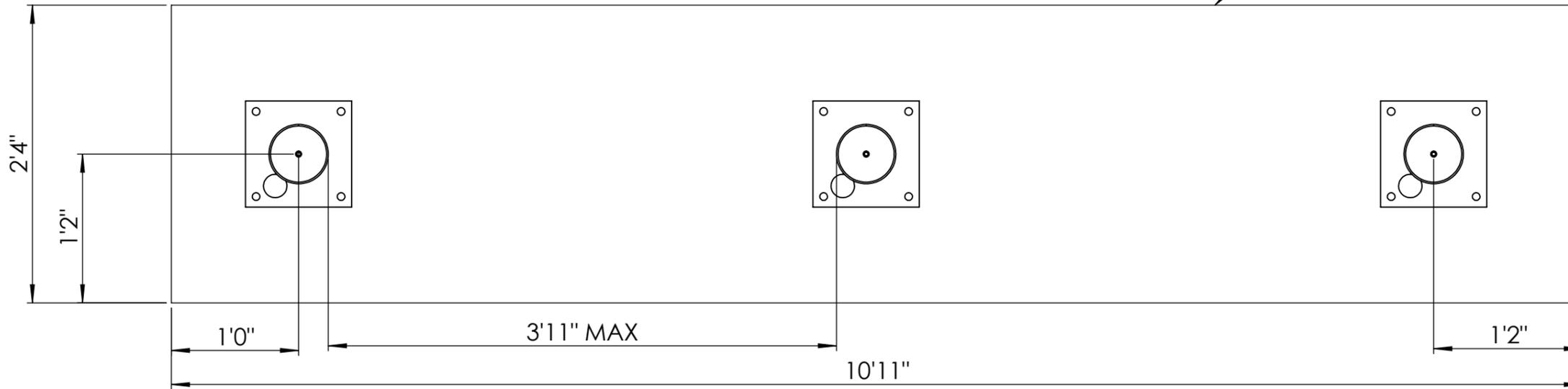


**FOUNDATION DETAIL  
3 BOLLARD ARRAY**

REINFORCED CONCRETE  
FOUNDATION  
(REBAR NOT SHOWN)



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- NOTES:**
1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE STATED.
  2. DO NOT SCALE DRAWING.
  3. ALL CONCRETE TO BE IN ACCORDANCE WITH BS 8500
  4. MIXES TO BE REINFORCED CONCRETE - C30/C40
  5. ALL MATERIAL & WORKMANSHIP TO BE IN ACCORDANCE WITH RECOMMENDATIONS OF BS-EN 1992 EUROCODE 2
- Foundation sizes given are for customer guidance and suited to sub-soils with good load bearing capabilities. Where adverse site conditions are met professional advice to be sought.

TOLERANCES:

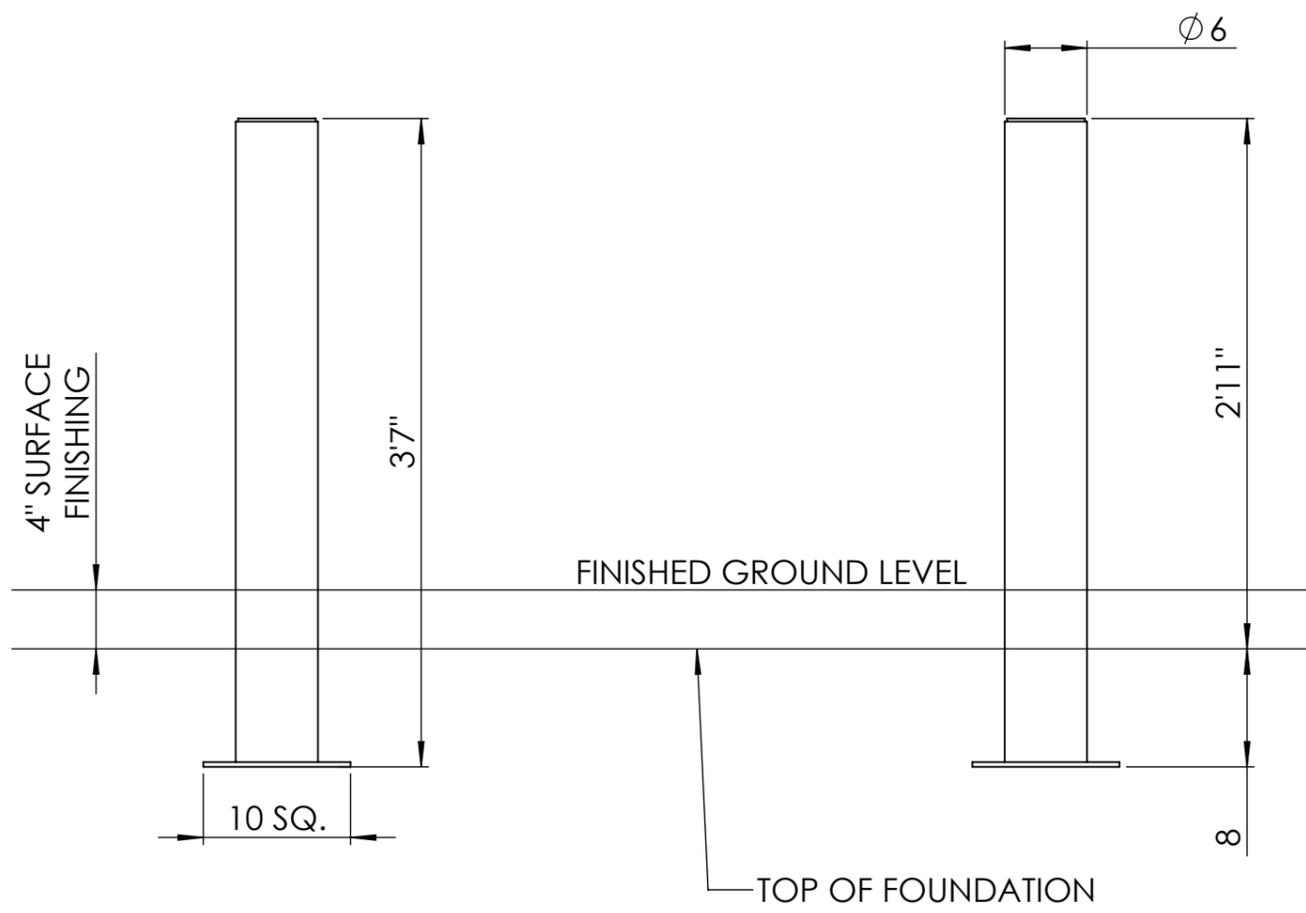
LINEAR	0	:+/-1
	0.0	:+/-0.1
	0.00	:+/-0.01
ANGULAR		+/0.5°

THIRD ANGLE PROJECTION

Rev	Init	Revision Notes	ER No.	Date
A	MB	FIRST ISSUE	20-0712	06/11/20
B	-	-	-	-/-/-
C	-	-	-	-/-/-
D	-	-	-	-/-/-
E	-	-	-	-/-/-

- NOTES:**
- 1) FOUNDATION DETAIL FOR INDICATIVE PURPOSES ONLY. PRODUCT TO BE INSTALLED IN ACCORDANCE WITH MARSHALLS SPECIFICATION.
  - 2) FOR HVM COMPLIANCE BOLLARD TO BOLLARD CLEAR GAP MUST NOT EXCEED 47.25"
  - 3) STOP AND START RUN EVERY 49 FEET TO ALLOW FOR EXPANSION.
  - 4) MINIMUM 3 BOLLARD ARRAY REQUIRED.
  - 5) PRODUCT MANUFACTURED FROM S355 MILD STEEL.

- FINISH OPTIONS:**
- ZINC PRIMED AND POWDER COATED
  - MILD STEEL GALVANISED AND POWDER COATED SLEEVE
  - STAINLESS STEEL SLEEVE (BRUSHED OR BEAD BLASTED)
  - FERROCAST (VARIOUS OPTIONS AVAILABLE)
- AVAILABLE WITH FLAT/MITRED AND DOMED TOPS  
WITH OR WITHOUT GROOVES  
WITH OR WITHOUT CLASS 2 REFLECTIVE TAPE



**BOLLARD RATING:**  
PAS170-1: 2017  
Rigid Foundation Socket  
2500kg/20mph;1.8m Penetration

**PRODUCT TYPE:**  
PAS170 BOLLARDS

**IMPACT RATING:**  
25-20

**SLEEVE DETAIL:**  
VARIOUS SEE NOTES

**PRODUCT RANGE:** RHINO GUARD

**BRACKET WEIGHT:** N/A lbs

**BOLLARD WEIGHT:** **116.19 lbs**

**SHEET TITLE:**  
RhinoGuard PAS170 25/20 Ø139 Bollard

**DRAWING NUMBER:**  
**CD-RG-BL-00606**

<b>DRAWN BY</b> MB	<b>REVISION</b> [A]
<b>DATE</b> 06/11/20	
<b>SCALE</b> 1:12@A3	SHEET 1 of 1