

**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

*NOTE: 45° AND 90° FRAMES AVAILABLE. FRAMES CAN ALSO BE PROVIDED WITH A REMOVABLE CORE. BLANK FRAMES CAN ALSO BE PROVIDED WHERE FEWER THAN 3 BOLLARDS ARE REQUIRED.*

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**Marshalls**

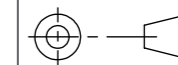
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WEST YORKS  
HX5 9HT

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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.

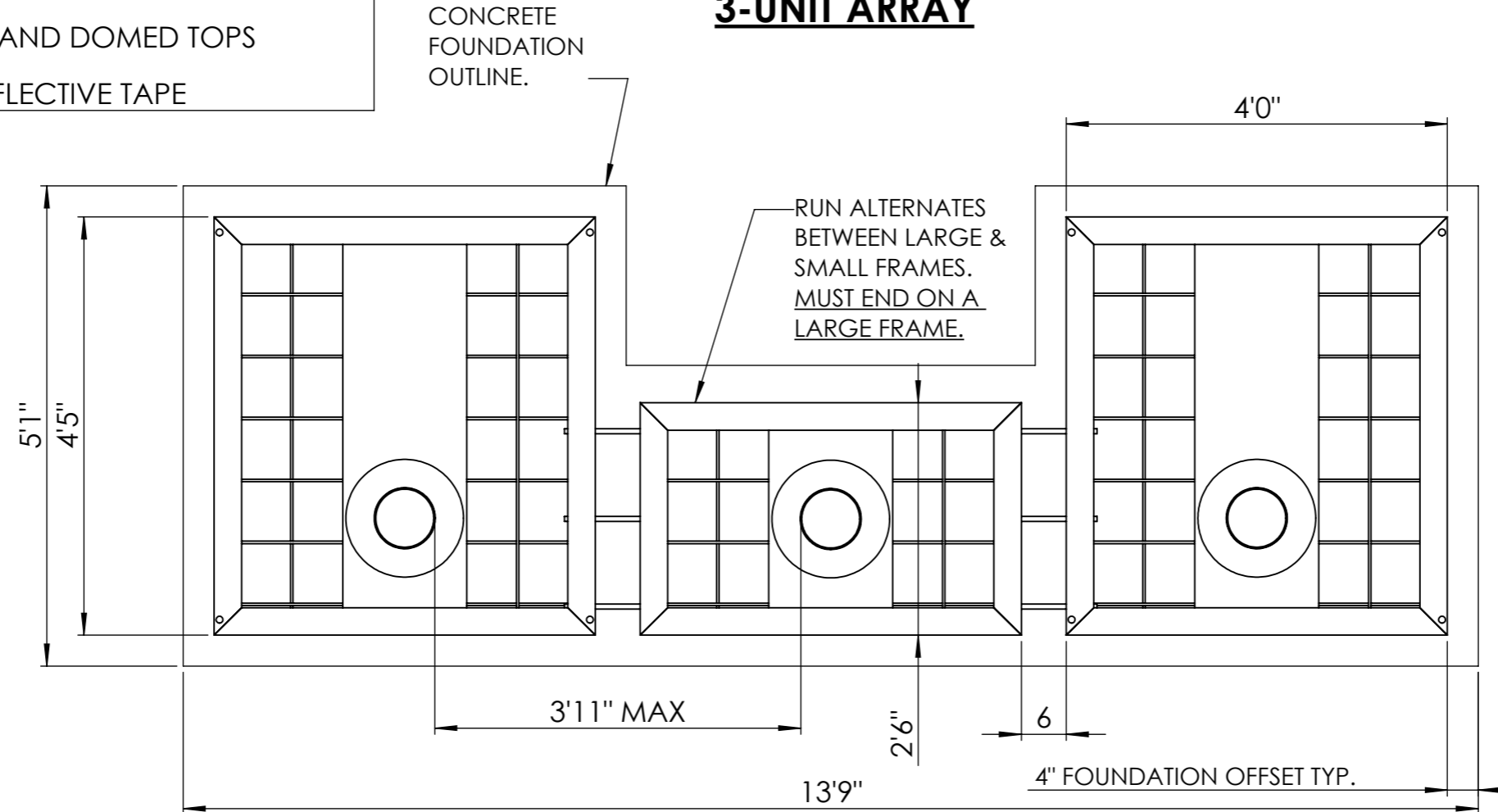


TOLERANCES: LINEAR 0 : +/-1  
0.0 : +/-0.1  
0.00 : +/-0.01  
ANGULAR +/-0.5°

THIRD ANGLE PROJECTION

Rev	Init	Revision Notes	ER No.	Date
A	MB	FIRST ISSUE	20-0712	05/11/20
B	-	-	-	-/-/-
C	-	-	-	-/-/-
D	-	-	-	-/-/-
E	-	-	-	-/-/-

**TOP VIEW  
3-UNIT ARRAY**

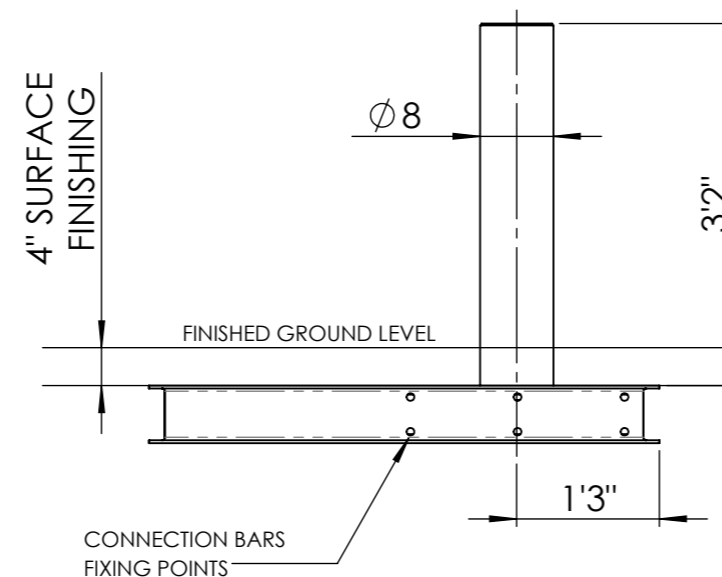


**NOTES:**

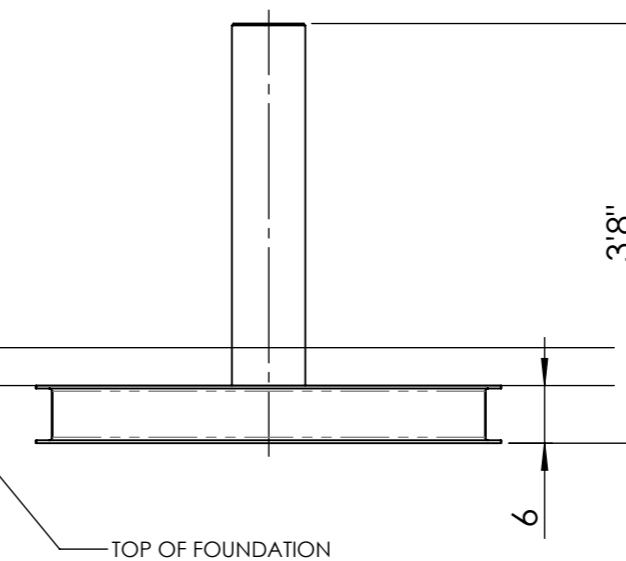
- 1) FOUNDATION DETAIL FOR INDICATIVE PURPOSES ONLY. PRODUCT TO BE INSTALLED IN ACCORDANCE WITH MARSHALLS SPECIFICATION.
- 2) PRODUCT TO BE INSTALLED IN A MINIMUM RUN OF 3 UNITS. FOR HVM COMPLIANCE BOLLARD TO BOLLARD CLEAR GAP MUST NOT EXCEED 47.25"
- 3) ADJOINING UNITS CONNECTED WITH SUPPLIED THREADED BAR AND FIXINGS. FLEXIBILITY IN THREADED BAR TO ALLOW CURVED AND STEPPED LAYOUTS.
- 4) PRODUCT MANUFACTURED FROM S355 MILD STEEL.

**PRODUCT CLASSIFICATION:**  
B-FOUNDATION/PASSIVE/BOLLARD  
PERFORMANCE RATING:  
PAS 68:2010 BOLLARD  
V/7500(N2)/48/90:1.5/0.0

**SIDE VIEW**



**FRONT VIEW**



**PRODUCT TYPE:**

SHALLOWMOUNT BOLLARDS

**IMPACT RATING:**

75-30

**SLEEVE DETAIL:**

VARIOUS SEE NOTES

**PRODUCT RANGE:**

RHINO GUARD

**BRACKET WEIGHT:**

22 lbs

**BOLLARD WEIGHT:**

**755.18 lbs**

**SHEET TITLE:**

RhinoGuard 75/30 Large SM Frame Ø194 Core PC

**DRAWING NUMBER:**

**CD-RG-SM-00012**

DRAWN BY  
MB

DATE  
05/11/20

SCALE  
1:20@A3

**REVISION**

[A]

SHEET 1 of 1