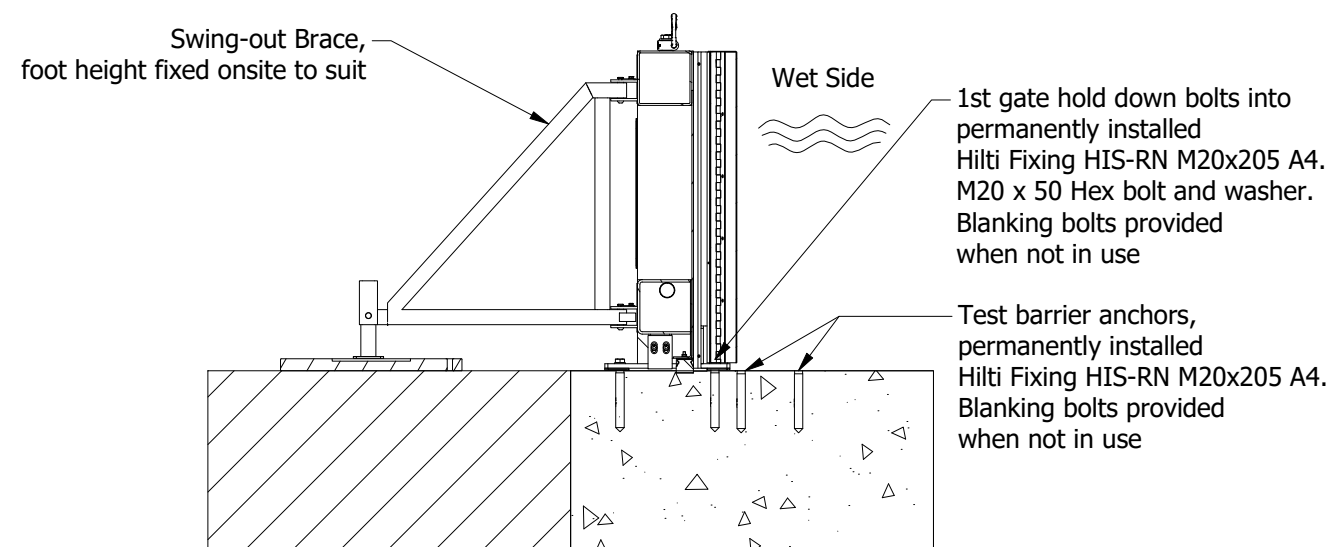
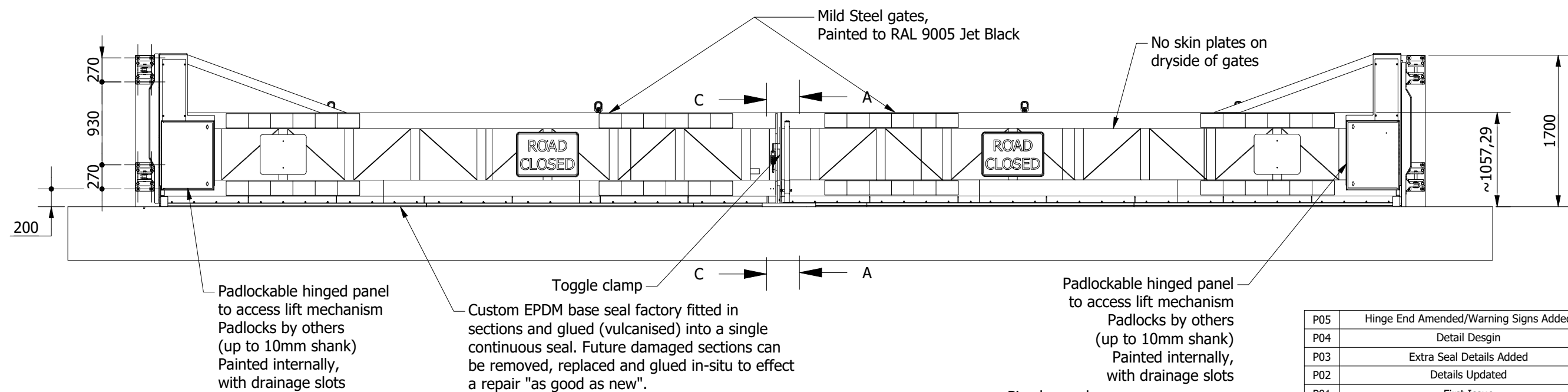
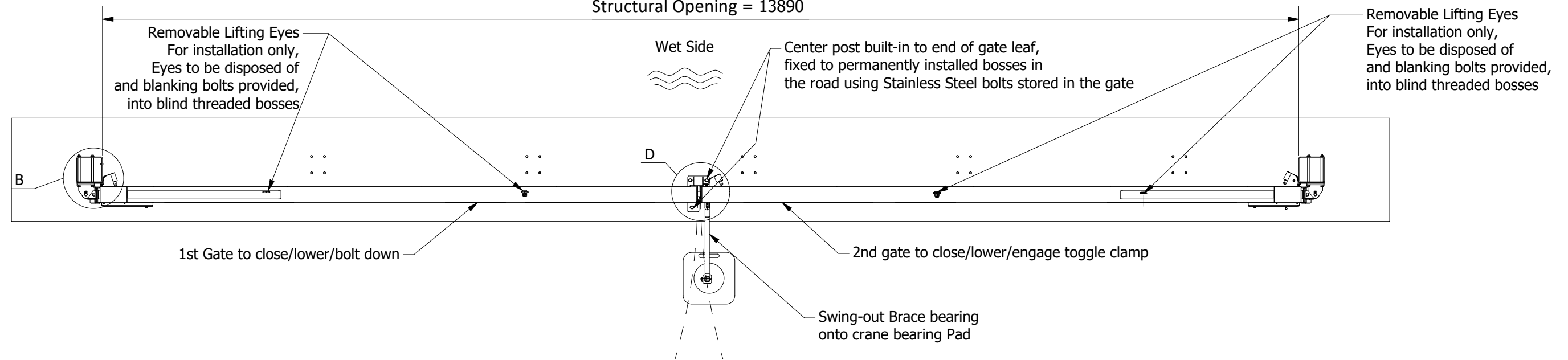
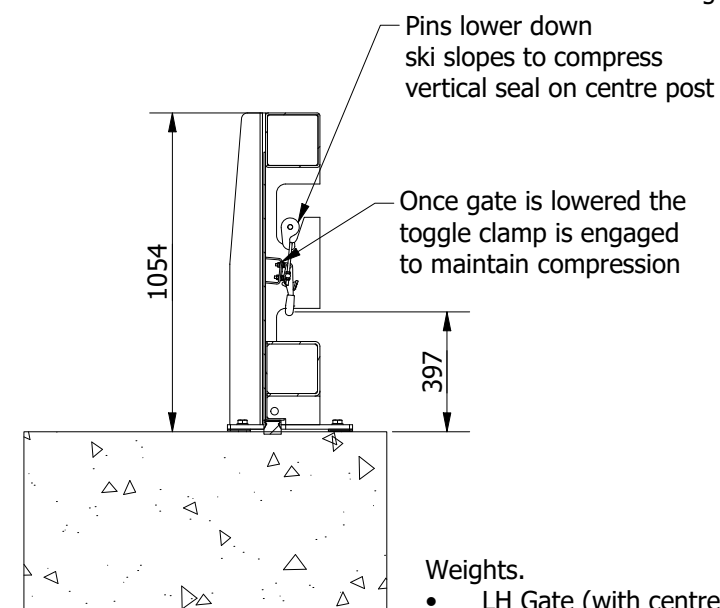


Structural Opening = 13890



Section A - A



Section C - C

Weights.

- LH Gate (with centre post) ~1300kg
- RH Gate (with Brace) ~1300kg
- Hing Post 95kg
- Crane Pad 13kg

P05	Hinge End Amended/Warning Signs Added	KS	JG	27 Nov 24
P04	Detail Desgin	KS	JG	26 Jul 24
P03	Extra Seal Details Added	KS	JG	16 Jul 24
P02	Details Updated	KS	JG	27 Jun 24
P01	First Issue	KS	JG	21 Mar 24
Rev	Description	Drn	App'd	Date

Reference Drawings

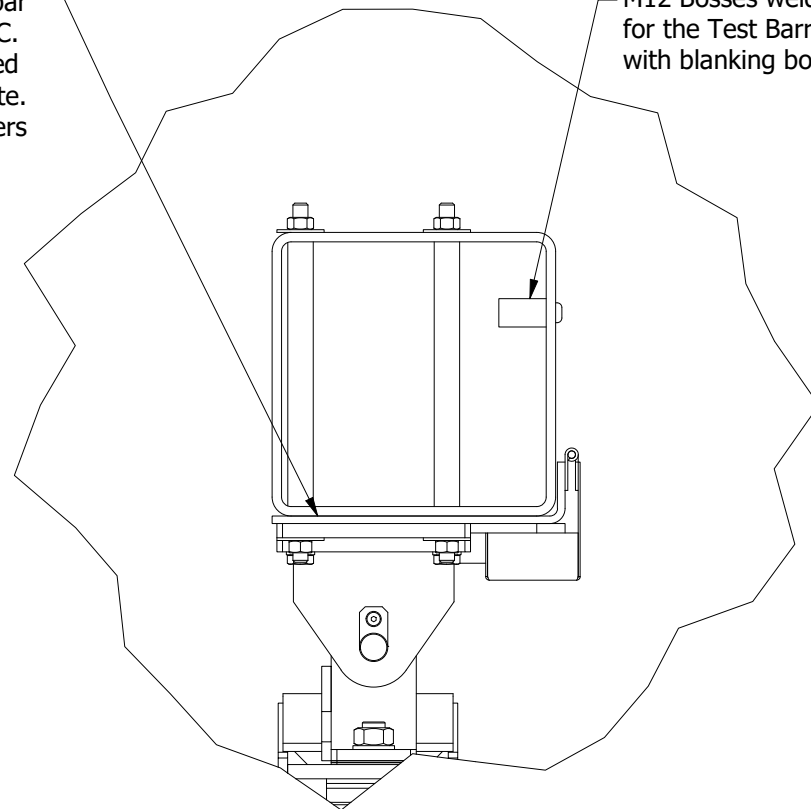
Status For Approval



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Project Hardy's Gate Bridge			
Title Double Lift Hinge Barrier			Status S4
Part No. 24-A050298			
Page No. 1 of 3	Drg No. ENV0000389C-FCI-01-DR-X-1302		Rev P05

End supports fixed to Post using through M16 threaded bar and sealed with Sikaflex 11FC.
Walls/floors prepared with Sika Primer where appropriate.
Posts with internal bosses by others



Detail B
Gate Open/Cover Closed

M12 Bosses welded to posts (by others), for the Test Barrier, with blanking bolts when not in use

Sikaflex 11FC

300
30 155 115

Hinged seal covers, Padlocks by others (up to 10mm shank)

Vertical Seal Detail

Detail B
Gate Closed/Cover Open

EPDM Vertical Seal with matching Stainless Steel 316 Retainer

29

~5mm
Seal Compression

Custom EPDM base seal factory fitted in sections and glued (vulcanised) into a single continuous seal. Future damaged sections can be removed, replaced and glued in-situ to effect a repair "as good as new".

EPDM vertical seal

Profiled aluminium seal retainer bolted and sealed to the barrier leaf

Center post built-in to end of gate leaf, fixed to permanently installed bosses in the road using Stainless Steel bolts stored in the gate

Bump stop to restrict over compression

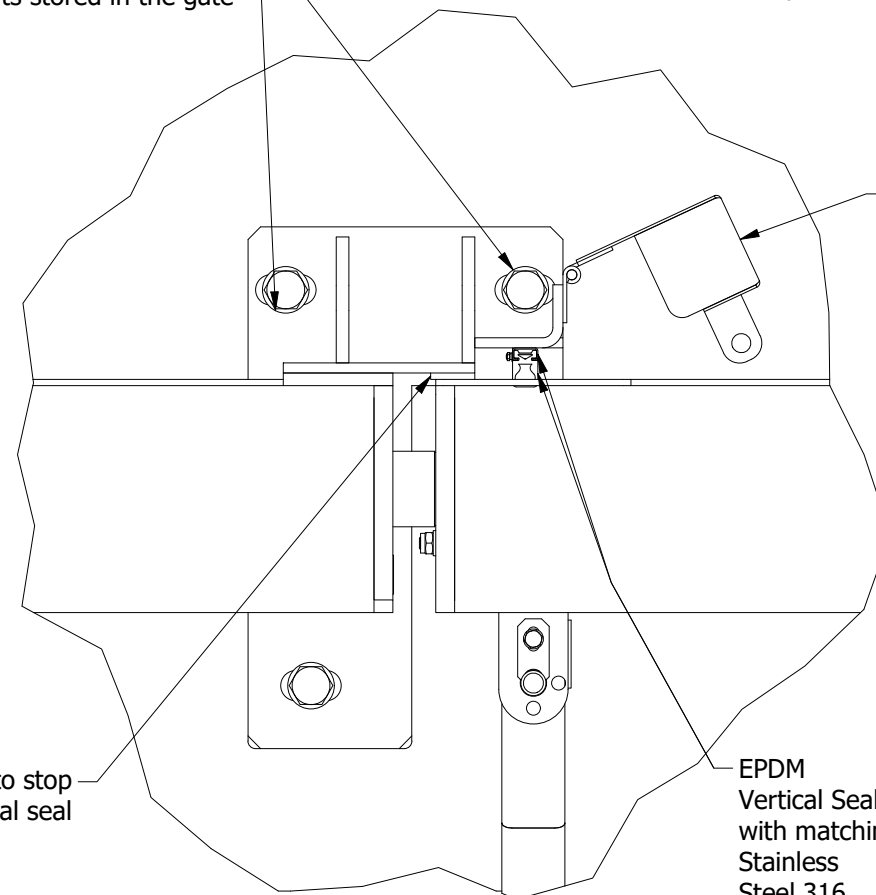
42

~10mm Designed
Seal Compression

100mm wide steel float finish is required on concrete for sealing

Detail Base Seal Detail

Physical bump stop to stop over compression of vertical seal



Detail D

Detail Vertical Seal Detail

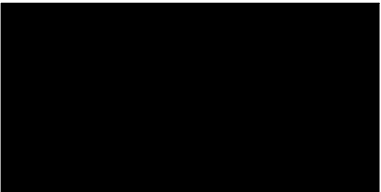
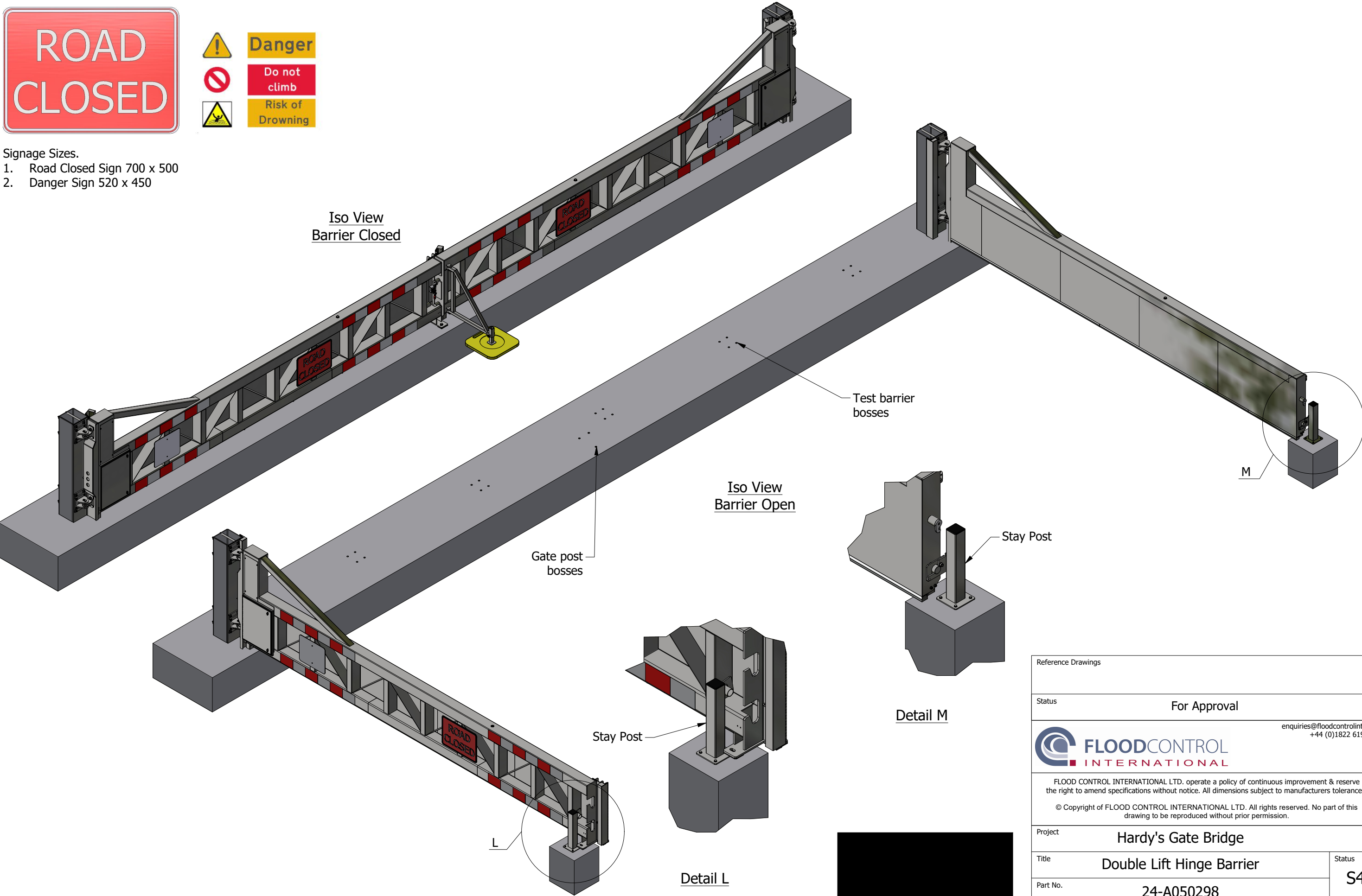
Hinged seal covers, Padlocks by others (up to 10mm shank)

EPDM Vertical Seal with matching Stainless Steel 316 Retainer

Reference Drawings			
Status		For Approval	
		enquiries@floodcontrolint.com +44 (0)1822 619 730	
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Project		Hardy's Gate Bridge	
Title		Double Lift Hinge Barrier	Status
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- Signage Sizes.
- 1. Road Closed Sign 700 x 500
 - 2. Danger Sign 520 x 450



RAL 9005 Jet Black

Reference Drawings			
Status		For Approval	
		FLOODCONTROL INTERNATIONAL enquiries@floodcontrolint.com +44 (0)1822 619 730	
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Project		Hardy's Gate Bridge	
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