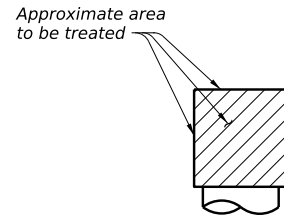
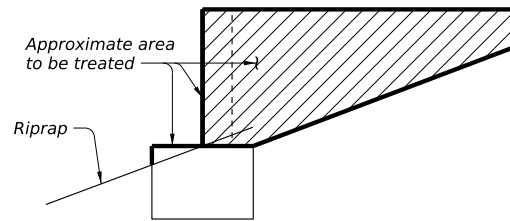


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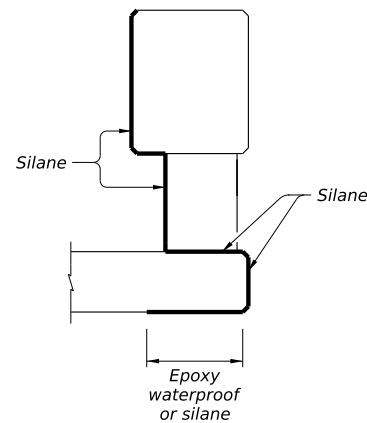
TYPICAL BENT WATERPROOFING DETAIL

Treat all faces of the cap as shown, except for bearing seat buildups.

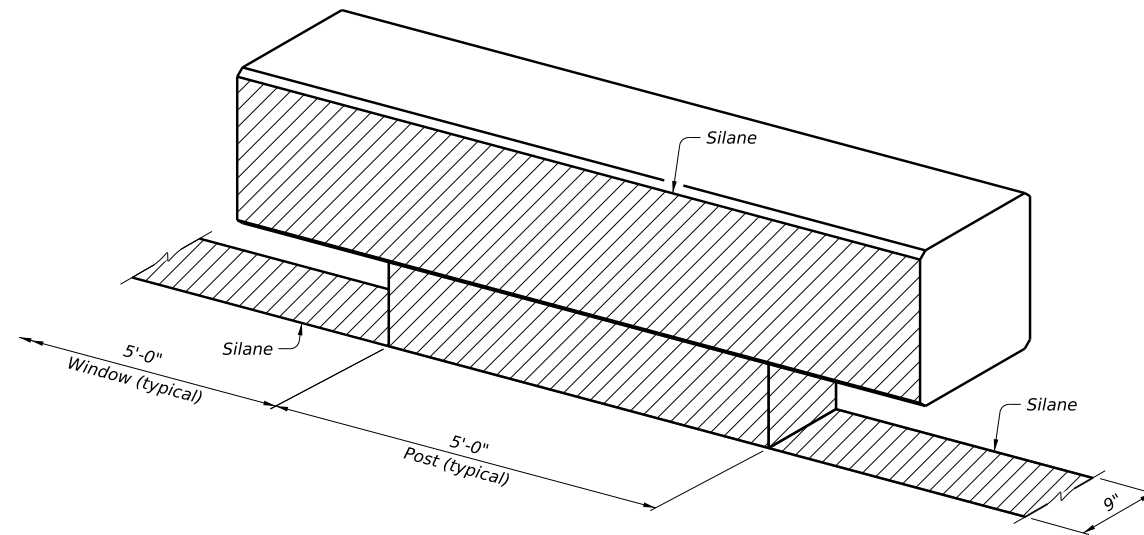


TYPICAL ABUTMENT AND WINGWALL WATERPROOFING DETAIL

Treat the face of backwall and top, front, and ends of cap as shown, except bearing seats.



Deck Edge and Soffit View



Bridge Rail Isometric View

DECK SURFACE AND RAIL TREATMENT DETAIL

Showing Type T223 Rail. Other rail types similar.

TABLE OF ESTIMATED QUANTITIES

NBI	Abutment/ Bent Number	Epoxy Waterproof (SF)	Silane (SY)	Span Number	Epoxy Waterproof (SF)	Silane (SY)	Epoxy Waterproof Total	Silane Total
		427-6007	428-6001		427-6007	428-6001		
PROJECT TOTALS								

NOTE TO DESIGNER:
 This drawing is to be used as a guide for limits of epoxy waterproofing and silane application on bridge abutments, bents, decks, and rails. Coated substructures refer to substructures that have an applied surface finish other than silane, such as epoxy waterproofing, silicone paint finish, etc. Uncoated substructures refer to substructures that do not have an applied surface finish such as epoxy waterproofing, silicone paint finish, etc, but may have had silane previously applied. This sheet cannot be used without modification. The details shown may need to be amended if the exact existing conditions are not covered. In all cases, details and notes not required must be deleted. This note and the phrase "Not to be used as a standard" must be removed and the sheet must be signed and sealed by a Professional Engineer.

- WATERPROOFING PROCEDURE FOR COATED STRUCTURES:**
- 1) Perform all repairs on substructures prior to proceeding with waterproofing. Obtain approval of the repairs from the Engineer prior to waterproofing.
 - 2) Clean exposed surfaces of existing substructures using water blasting in accordance with Item 427, "Surface Finishes for Concrete".
 - 3) Seal exposed surfaces as indicated on the plans and in accordance with Item 427, "Surface Finishes for Concrete." See detail for limits. Submit color to Engineer for approval.

- WATERPROOFING PROCEDURE FOR UNCOATED STRUCTURES:**
- 1) Perform all repairs on substructures prior to proceeding with waterproofing. Obtain approval of the repairs from the Engineer prior to waterproofing.
 - 2) Clean exposed surfaces of existing substructures using abrasive blasting in accordance with Item 428, "Penetrating Concrete Surface Treatment." Water blasting may be used if approved by the Engineer.
 - 3) Seal exposed surfaces as indicated on the plans and in accordance with Item 428, "Penetrating Concrete Surface Treatment." See detail for limits.

GENERAL NOTES:
 Provide epoxy for waterproofing in accordance with DMS-6100, "Epoxy and Adhesives." Submit product information for approval prior to use.
 Provide silane in accordance with DMS-8140, "Penetrating Concrete Surface Treatment."
 Applying epoxy waterproofing to the tops of bearing seats or pedestals is not to be considered in the quantity for payment.

DATE:
FILE:

P.E. SEAL
REQUIRED
PRELIMINARY
 SUBJECT TO REVISION

This document is released for informational purposes under the authority of XXX XXX. P.E. XXXXX on XX/XX/XX. It is not to be used for regulatory approval, permit, bidding, or construction purposes.

Bridge Division

WATERPROOFING DETAILS

(Not to be used as a standard)
NBI: XX-XXX-XXXX-XX-XXX

FILE: WD-WPD-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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