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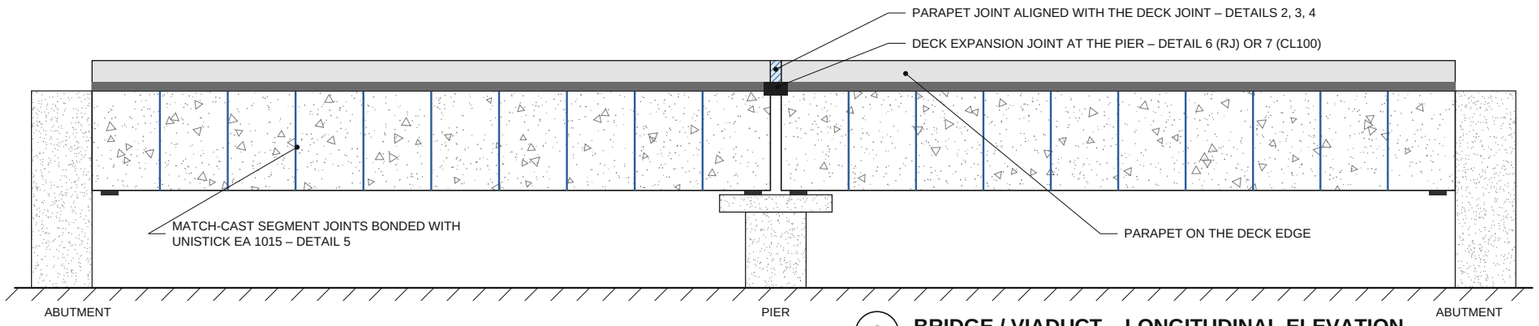
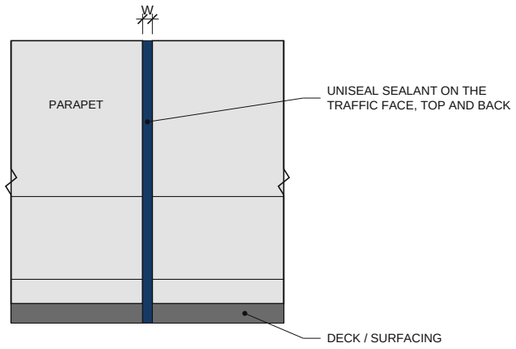


1 BRIDGE / VIADUCT – LONGITUDINAL ELEVATION

SCHEMATIC – JOINT LOCATIONS AS PER THE BRIDGE ENGINEER

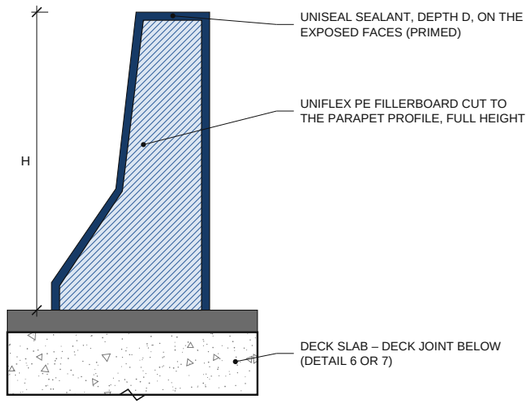
GENERAL NOTES (FOR GUIDANCE ONLY)

1. Joint positions, joint type and movement, parapet joint width W, girder design, segment joint and prestressing are by the bridge engineer. Product data: refer to each TDS.
2. Parapet joints sit directly over the deck expansion joints and are cut through the full parapet.
3. Parapet joint: UNIFLEX PE fillerboard cut to the parapet profile, set back by the sealant depth D; prime the joint faces and seal the traffic face, top and back with UNISEAL sealant.
4. Sealant W:D – joints up to 12mm 1:1, over 12mm 2:1; minimum depth 6mm (UNISEAL TDS).
5. Segment joints: UNISTICK EA 1015 on both clean, sound match-cast faces; keys fully filled; temporary stressing while it cures; clean off the squeeze-out.
6. Deck joint: UNIJOINT RJ module joint (UR-JT-05, UNISEAL AP77 nosing) or UNIJOINT CL100 steel joint (UR-JT-04).
7. JKR detail: UNIJOINT rubber sheet membrane on the recess / blockout floor, continuous across the joint with a loop into the gap sized for the full movement; seal every stud / bar penetration. Sheet type and thickness as per JKR.



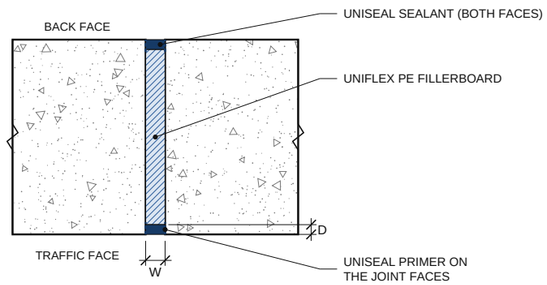
2 PARAPET JOINT – ELEVATION

TRAFFIC FACE



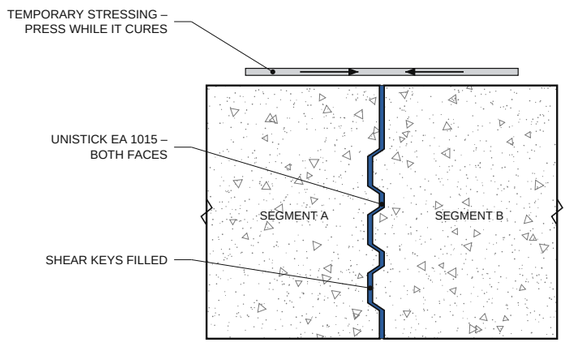
3 PARAPET JOINT – SECTION ON THE JOINT

FILLERBOARD CUT TO THE PARAPET PROFILE



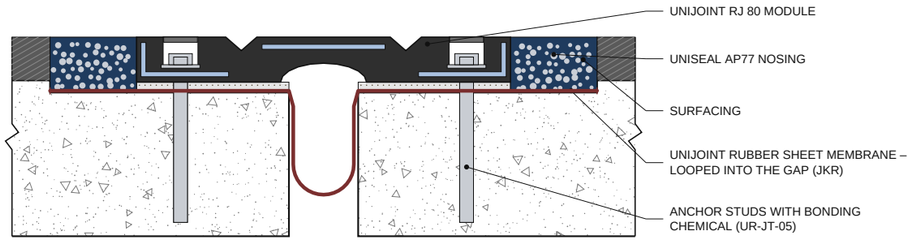
4 PARAPET JOINT – PLAN

SECTION AT MID-HEIGHT



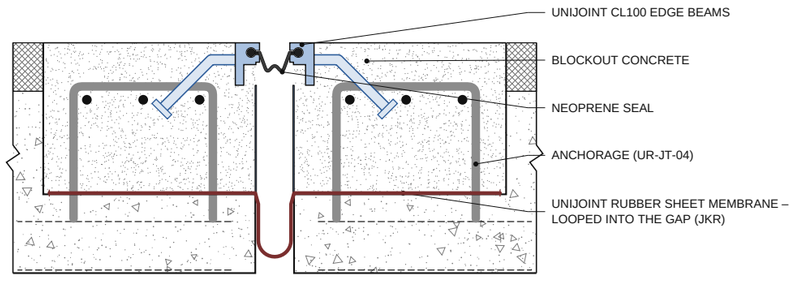
5 SEGMENT JOINT – UNISTICK EA 1015

SECTION THROUGH THE WEB – GLUE LINE EXAGGERATED



6 OPTION A – UNIJOINT RJ MODULE JOINT

RJ 80 SHOWN – SELECT THE MODEL FOR THE MOVEMENT (UR-JT-05)



7 OPTION B – UNIJOINT CL100 STEEL JOINT

80mm TOTAL MOVEMENT (UR-JT-04)

LEGEND

- UNIFLEX PE fillerboard
- UNISEAL sealant
- UNISTICK EA 1015 epoxy
- UNIJOINT RJ elastomer
- UNIJOINT steel
- UNISEAL AP77 nosing
- UNIJOINT rubber sheet
- Parapet (elevation)

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REVISIONS

REV	DATE	DESCRIPTION
0	06/11/26	FIRST ISSUE
A	06/11/26	AP77 NOSING + JKR RUBBER SHEET

PRODUCT
UNIJOINT RJ / CL100 + RUBBER SHEET
UNIFLEX PE + UNISEAL / UNISEAL AP77
UNISTICK EA 1015

DRAWING TITLE
BRIDGE / HIGHWAY JOINT SYSTEM
DECK, PARAPET & SEGMENT JOINTS

DRAWING NO. **UR-SY-02**

REV **A**

SCALE	SIZE	DATE	DRAWN
NTS	A3	06/11/26	UR

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