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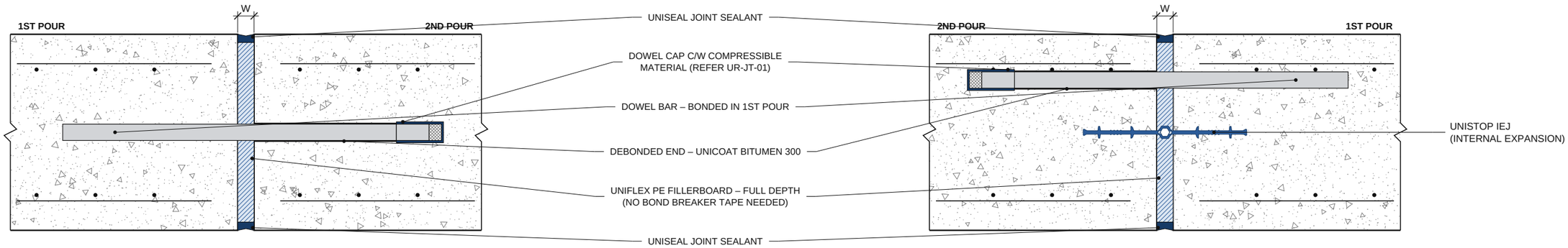
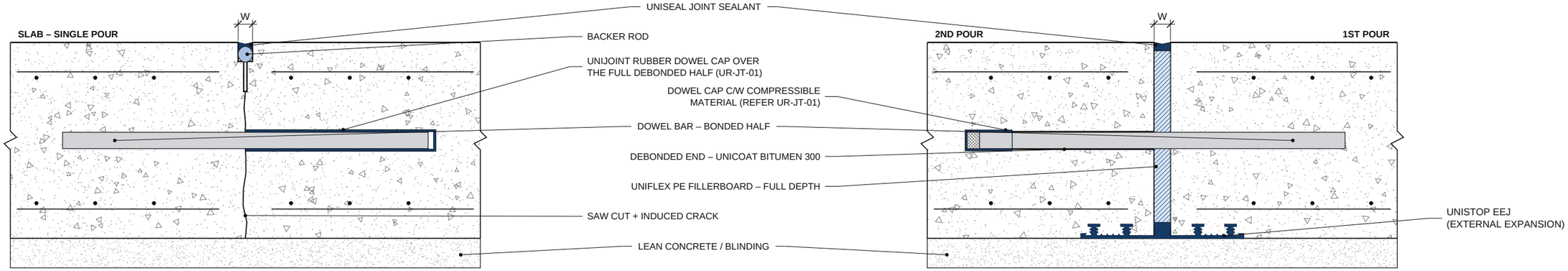


1 WALL / SUSPENDED SLAB

EXPANSION JOINT – NOT TO SCALE

2 WALL / SUSPENDED SLAB WITH WATERSTOP

UNISTOP IEJ – NOT TO SCALE



3 SLAB ON GROUND

SAWN CONTRACTION JOINT – NOT TO SCALE

4 SLAB ON GROUND WITH WATERSTOP

UNISTOP EEJ – NOT TO SCALE

GENERAL NOTES (FOR GUIDANCE ONLY)

1. Joint width W, member thickness, dowel size, spacing and length as per engineer. Reinforcement indicative only – not continuous across the joint.
2. Cast the 1st pour, fix UNIFLEX PE fillerboard to the joint face for the full depth (around the waterstop centre bulb where present), then cast the 2nd pour against it.
3. Dowels parallel to the surface and perpendicular to the joint. Expansion joints: bonded in the 1st pour; the 2nd-pour half coated with UNICOAT BITUMEN 300 and fitted with a dowel cap c/w compressible material (UR-JT-01).
4. Contraction joint (Detail 3): single pour, saw cut as soon as the concrete allows (depth as engineer) to induce the crack; dowel half covered full length by a UNIJOINT rubber dowel cap.
5. Use expansion profiles at expansion joints: UNISTOP IEJ centred in the wall/slab, EEJ on blinding – centre bulb on the joint line (UR-ST-07, UR-ST-02). Construction profiles (ICJ / ECJ) are not suitable.
6. Form the sealant slot, prime and seal with UNISEAL. UNIFLEX PE is a natural bond breaker – no tape needed (tape required with RBCF). W > 12mm: W:D = 2:1 (UR-SL-01).

LEGEND

- Concrete
- UNIFLEX PE fillerboard
- UNISEAL joint sealant
- Dowel bar / reinforcement
- Dowel cap
- Compressible material
- Backer rod
- UNISTOP IEJ
- UNISTOP EEJ
- Lean concrete

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REVISIONS

REV	DATE	DESCRIPTION
0	01/01/22	FIRST ISSUE
1	29/10/26	REDRAWN – EEJ, DOWEL CAP, STYLE
2	30/10/26	DETAIL 3 – CONTRACTION JOINT

PRODUCT
UNIFLEX PE FILLERBOARD / UNISEAL
UNISTOP IEJ / EEJ WATERSTOP
UNIJOINT DOWEL CAPS

DRAWING TITLE
TYPICAL EXPANSION & CONTRACTION JOINTS – WALL, SUSPENDED SLAB & SLAB ON GROUND

DRAWING NO. **UR-FL-01**

REV **2**

SCALE	SIZE	DATE	DRAWN
NTS	A3	30/10/26	UR

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