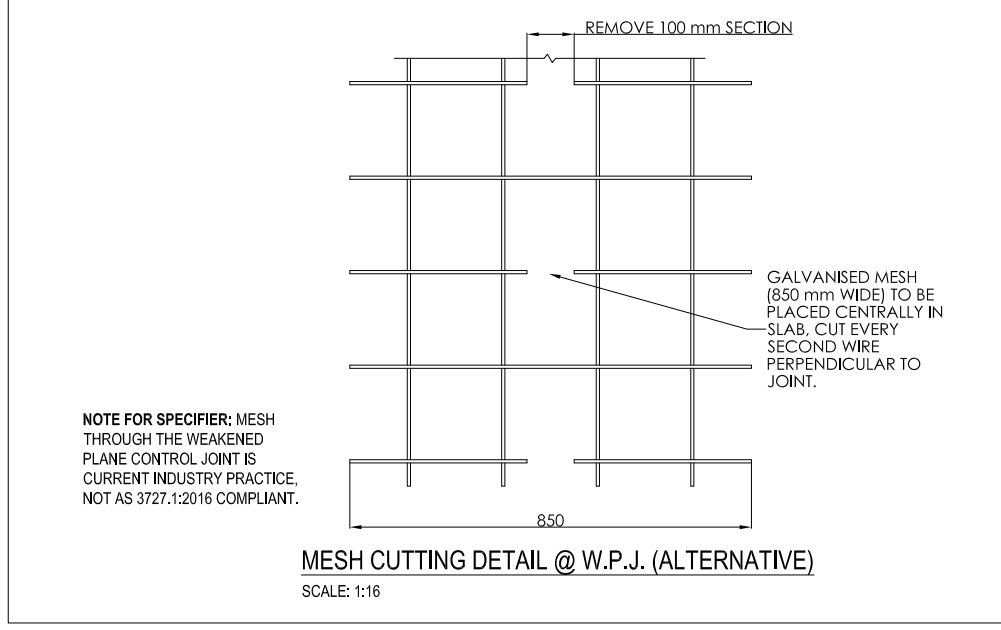
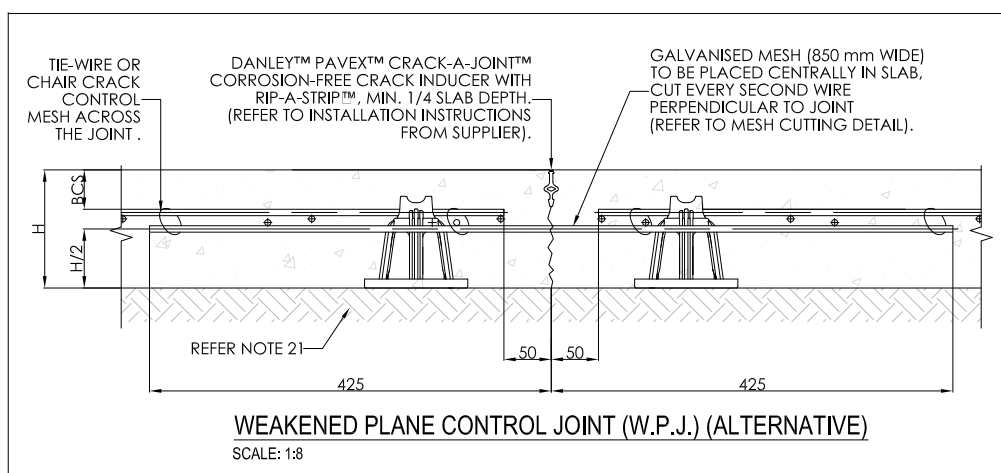
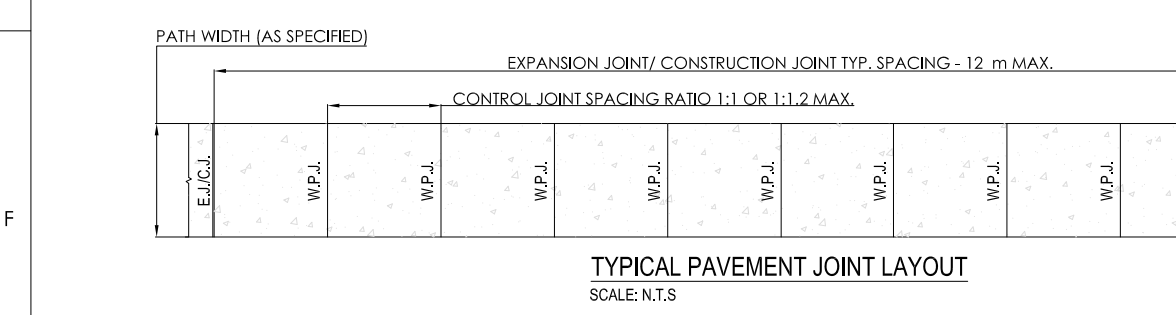
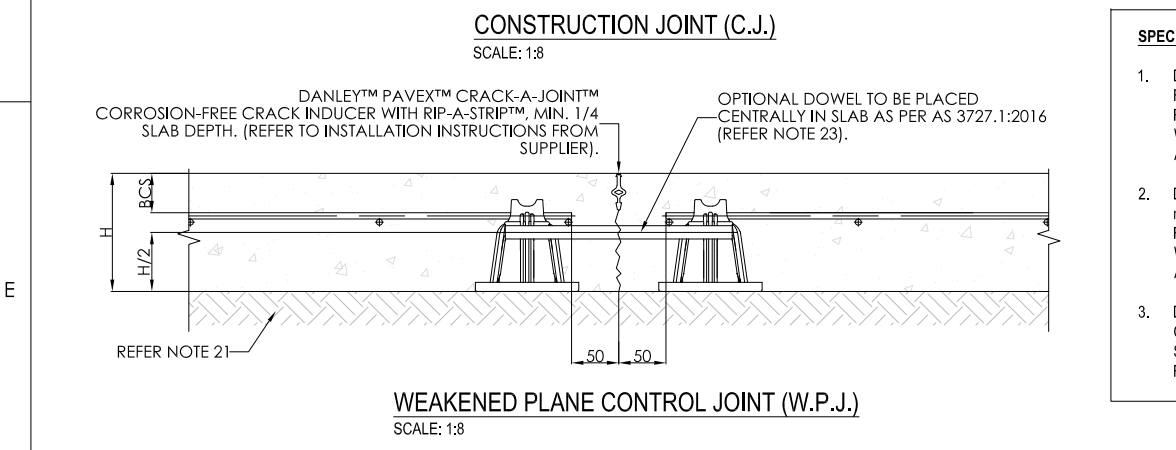
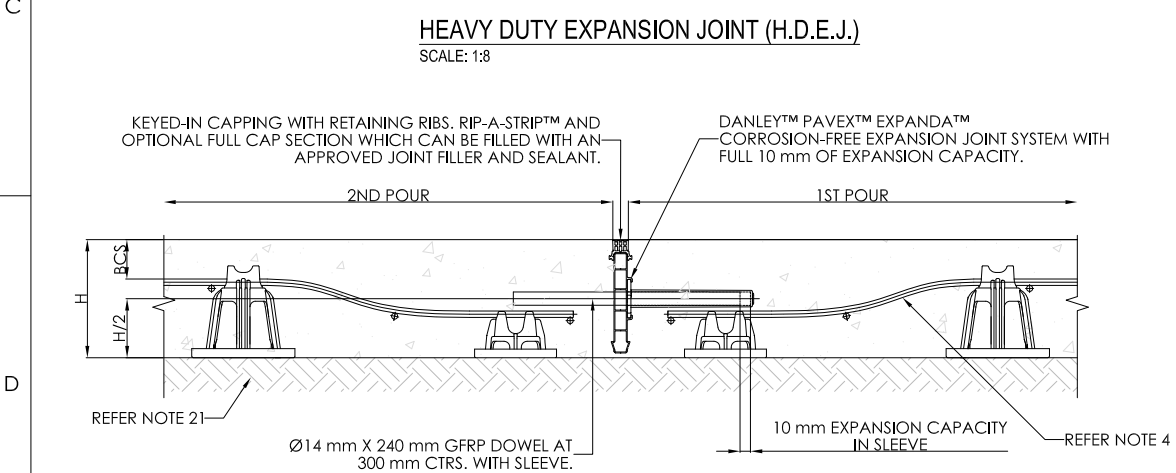
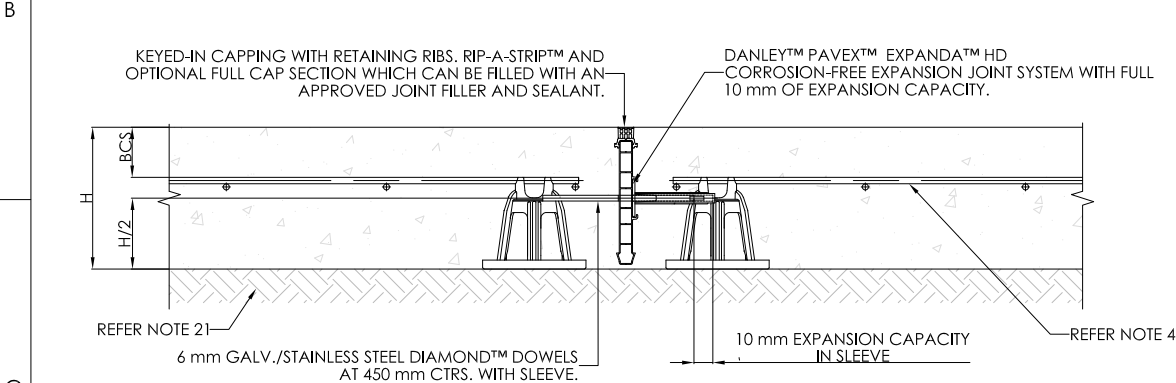
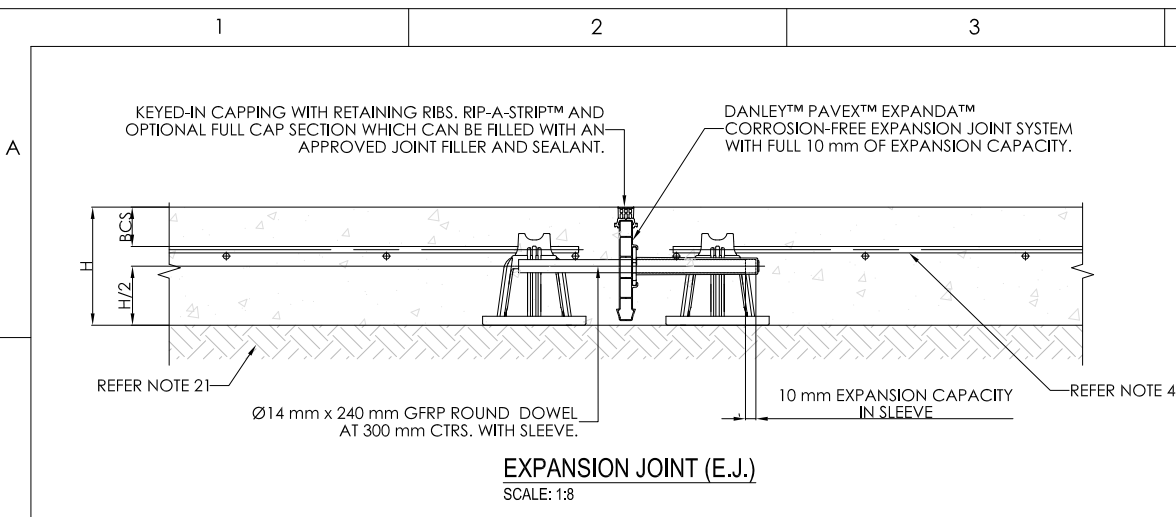


REVISIONS					
REV.	DESCRIPTION	D.C.P.	DATE	DRAWN BY	VERIFIED BY
1	FOR DISTRIBUTION	FLR002	07/01/20	GMASON	KSTORER
2	ADDED PX150HD SECTION, REMOVED ISOLATION JOINT	FLR002	24/09/20	GMASON	KRICHTER
3	CHANGED EXPANDA CAPPING AND CRACK-A-JOINT DETAILS, UPDATED NOTES.	FLR002	24/08/21	GMASON	AMCFARLAND



**NOTE FOR SPECIFIER:** MESH THROUGH THE WEAKENED PLANE CONTROL JOINT IS CURRENT INDUSTRY PRACTICE, NOT AS 3727.1:2016 COMPLIANT.

**SPECIFICATION**

- DANLEY™ PAVEXT™ EXPANDA™ uPVC CORROSION-FREE, SACRIFICIAL FORMWORK JOINTING SYSTEM WITH FULL 10 mm EXPANSION CAPACITY. GLASS FIBRE REINFORCED POLYMER DOWELS @ 300 mm CENTRES PROVIDING LOAD TRANSFER. KEYED-IN CAPPING TO PREVENT WATER INGRESS WITH REMOVABLE TOP SECTION FOR SUBSEQUENT SEALING AND A RIP-A-STRIP™ CAPPING FEATURE FOR EASY CONCRETE LATENCY REMOVAL. COMPLETE WITH ADJUSTABLE CAM-LOCK STAKE BRACKETS, DRIVE-N-TWIST STAKES, CLIP-ON FEET AND MULTI-PURPOSE JOINER PLATE. TO BE INSTALLED IN ACCORDANCE WITH AS 3727.1:2016 RESIDENTIAL PAVEMENTS. AVAILABLE IN 75 mm, 100 mm AND 125 mm JOINT HEIGHTS.
- DANLEY™ PAVEXT™ EXPANDA™ HD uPVC CORROSION-RESISTANT, SACRIFICIAL FORMWORK JOINTING SYSTEM WITH FULL 10 mm EXPANSION CAPACITY. 6 mm GALV. OR SS DIAMOND™ DOWELS @ 450 mm CENTRES PROVIDING LOAD TRANSFER. KEYED-IN CAPPING TO PREVENT WATER INGRESS WITH REMOVABLE TOP SECTION FOR SUBSEQUENT SEALING AND A RIP-A-STRIP™ CAPPING FEATURE FOR EASY CONCRETE LATENCY REMOVAL. COMPLETE WITH ADJUSTABLE CAM-LOCK STAKE BRACKETS, DRIVE-N-TWIST STAKES, CLIP-ON FEET AND MULTI-PURPOSE JOINER PLATE. TO BE INSTALLED IN ACCORDANCE WITH AS 3727.1:2016 RESIDENTIAL PAVEMENTS. AVAILABLE IN 150 mm JOINT HEIGHT.
- DANLEY™ PAVEXT™ CRACK-A-JOINT™ CORROSION-FREE uPVC JOINT TO INDUCE A CONTROLLED CRACK TO THE FULL DEPTH OF THE CONCRETE. CREATES AN EARLY WEAKENED PLANE (MIN. 1/4 SLAB DEPTH) IN ACCORDANCE WITH AS 3727.1:2016 RESIDENTIAL PAVEMENTS. PROVIDES A FLUSH JOINT SUPPORT THAT PROTECTS THE ADJACENT CONCRETE INTERFACE FROM EDGE SPALLING AND INCLUDES A CO-EXTRUDED RIP-A-STRIP™ CAPPING FEATURE FOR EASY CONCRETE LATENCY REMOVAL.

- GENERAL NOTES:**
- ALL WORKMANSHIP AND MATERIALS TO COMPLY WITH ALL CURRENT AUSTRALIAN/NEW ZEALAND CODES AND STANDARDS.
  - SLAB THICKNESS "H" WILL VARY. REFER TO YOUR PROJECT DESIGN SPECIFICATION FOR SLAB THICKNESS.
  - PAVEMENT JOINT LAYOUT:
    - EXPANSION (E.J.)/CONSTRUCTION (C.J.) JOINTS IN CONTINUOUS FOOTPATHS AND BIKEWAYS TO BE SPACED (TYPICAL) AT 12 m (MAX.) CENTRES. WHERE CONSTRUCTION JOINTS ARE INSTALLED AS A POUR-STOP. ENSURE DOWELS/SLEEVES ARE INSTALLED PRIOR TO FIRST POUR.
    - WEAKENED PLANE CONTROL JOINTS (W.P.J.) IN CONTINUOUS FOOTPATHS AND BIKEWAYS TO BE SPACED (TYPICAL) AT WIDTH TO LENGTH RATIO OF 1:1 TO 1:1.2 (MAX.). W.P.J. TO BE EVENLY SPACED.
    - ALL OTHER JOINTS TO BE INSTALLED AS SPECIFIED BY PROJECT REQUIREMENTS.
  - FOR JOINTS REQUIRING DOWELS, ENSURE CORRECT ALIGNMENT (RADIALLY ALIGNED (90 DEGREE) TO THE JOINT SURFACE) AND REINFORCING MESH NOT RESTING/SUPPORTED ON THE DOWELS. REFER TO DETAILS (E.J./C.J.) FOR OVER/UNDER DOWEL MESH PLACEMENT OPTIONS.
  - LOAD TRANSFER DOWELS WITH APPROPRIATE SLEEVE REQUIRED AT ALL EXPANSION/CONSTRUCTION JOINTS THAT HAVE EXPANSION CAPACITY.
  - PROPRIETARY CORROSION-FREE CRACK INDUCER TO BE USED AS AN ALTERNATIVE TO SAW CUTTING AND TOOLED JOINTS TO REDUCE RISK OF UNCONTROLLED CRACKING AND PAVEMENT SURFACE DISRUPTION.
  - DOWELED EXPANSION JOINT (E.J.) CAN BE USED IN-PLACE OF A FORMED CONTROL JOINT, WHERE REQUIRED.
  - CONCRETE DESIGN STRENGTH TO COMPLY WITH AS 3727.1:2016 OR PROJECT SPECIFICATION.
  - REFER TO AS 3727.1:2016 OR PROJECT SPECIFICATION/DETAILS FOR REINFORCEMENT TYPE/SIZE.
  - REFER TO AS 3727.1:2016 OR PROJECT SPECIFICATION/DETAILS FOR CONCRETE CLEAR COVERS.
  - STEEL REINFORCING TO BE SUPPORTED IN POSITION BY BAR CHAIRS AT MAX. 600 mm CENTRES.
  - REINFORCING BAR CHAIRS AND SPACERS TO COMPLY TO THE REQUIREMENTS OF AS/NZS 2425:2015.
  - MACRO SYNTHETIC FIBRE CAN BE SUBSTITUTED FOR REINFORCING MESH. FIBRE SUPPLIER INSTRUCTIONS TO BE REFERENCED FOR MIXING AND INSTALLATION PROCEDURES.
  - E.J. AND W.P.J. SPACING IS UNCHANGED WHEN SUBSTITUTING FIBRES FOR STEEL REINFORCING MESH.
  - JOINT SEALANT/FILLER MAY BE USED AFTER CONCRETE HAS SET TO PROVIDE A DECORATIVE CONCRETE FINISH OR WHEN A HIGH HEEL RESISTANT (SHORE A) HARDNESS IS A REQUIREMENT. REMOVE CAPPING SECTION TO APPLY SEALANT/FILLER OR TO REPAIR JOINT.
  - ALIGN ALL ADJACENT JOINTS WHERE PRACTICABLE (I.E. CURBS, FOOTPATHS, ETC).
  - IN COASTAL AND CORROSIVE ENVIRONMENTS, JOINTING SYSTEMS AND REINFORCING TO BE MADE OF NON-CORROSIVE MATERIALS.
  - TRANSITION BETWEEN NEW AND EXISTING PATH WIDTHS (MIN. 1 IN 10 TRANSITION).
  - PATH TO COMPLY WITH AUSTRALIAN/NEW ZEALAND STANDARDS AND PROJECT REQUIREMENTS FOR ACCESS AND MOBILITY.
  - COVER TO MESH FROM JOINT 40 mm UNLESS OTHERWISE NOTED.
  - REFER TO YOUR PROJECT DESIGN SPECIFICATION FOR SUB-GRADE PREPARATION.
  - REINFORCING MESH IS NON-GALVANISED UNLESS OTHERWISE STATED.
  - SUGGESTED OPTIONS FOR LOAD TRANSFER DOWELS OR CAPACITY AT W.P.J.: Ø14 mm GFRP DOWELS SUPPORTED AND ALIGNED (SITE SET) OR DANLEY PD3™ TAPERED PLATE DOWEL CRADLES (6 mm OR 10 mm) AT SPECIFIED CENTRES AND CENTRALLY LOCATED IN THE SLAB.

**TYP. DOWEL SPECIFICATION**

SLAB THICKNESS (H)	DOWEL TYPE	DOWEL CTRS.	CONCRETE STRENGTH	MAX. LOAD CRITERIA
75 mm	Ø14 mm GFRP	300 mm	20 MPa	PEDESTRIANS ONLY
100 mm	Ø14 mm GFRP	300 mm	25 MPa	PEDESTRIANS AND LIGHT VEHICLES (3 t MAX.)
125 mm	Ø14 mm GFRP	300 mm	32 MPa	PEDESTRIANS AND UTILITY VEHICLES (5 t MAX.)
150 mm	6 mm DD	450 mm	32 MPa	PEDESTRIANS AND COMMERCIAL VEHICLES (10 t MAX.)

**NOTE FOR SPECIFIER:** GFRP DOWEL LOAD CAPACITIES AND STEEL DOWEL COMPARISON TABLES AVAILABLE IN DANLEY™ PAVEXT™ JOINTING SYSTEMS - PRODUCT GUIDE REFERENCING AS 3727.1:2016, TABLE 5.4.4.

**BAR CHAIR SPECIFICATION (BCS)**

SLAB THICKNESS	CHAIR SIZE	MESH SIZE	CONCRETE COVER
75 mm	25 mm	SL62	44 mm
100 mm	50 mm	SL72	45 mm
125 mm	65 mm	SL82	52 mm
150 mm	90 mm	SL92	51 mm

**NOTE FOR SPECIFIER:** REFERENCE AS/NZS 2425:2015 FOR BAR CHAIR COMPLIANCE. CONCRETE COVER DIMENSIONS NOTED ARE WHEN CHAIRS SUPPORT UPPER MOST CROSS WIRE. CONCRETE COVER TO MATCH STANDARD BAR CHAIR HEIGHTS.

by DANLEY

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Construction Systems

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DO NOT SCALE THIS DRAWING.

DESCRIPTION:  
PAVEXT™ STANDARD DETAIL DRAWING - RESIDENTIAL FOOTPATHS AND PAVEMENTS

SIGNED:	GMASON	VERIFIED:	AMCFARLAND	APPROVED:	DMANTLE
DATE:	24/08/21		26/08/21		26/08/21

CAD FILE: DAN-DWG-007 - PaveX™ Residential Footpaths and Pavements

DRAWING NO: DAN-DWG-007

SHEET: 1 OF 2

SCALE: 1:8

REVISION: 3

SIZE: A3