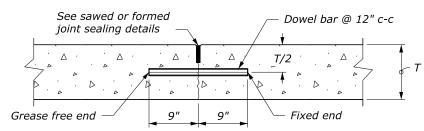


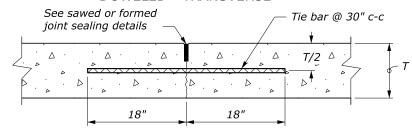
CONTRACTION JOINT

UNDOWELED - TRANSVERSE and UNTIED - LONGITUDINAL



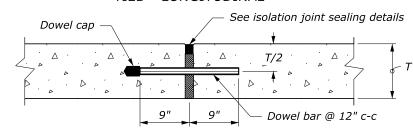
CONTRACTION JOINT

DOWELED - TRANSVERSE



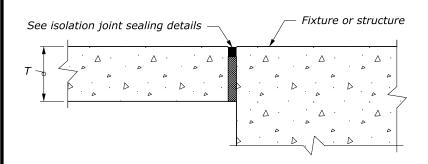
CONTRACTION JOINT

TIED - LONGITUDINAL



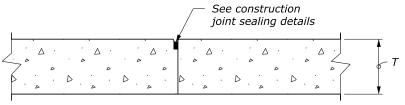
ISOLATION/EXPANSION JOINT

DOWELED - TRANSVERSE



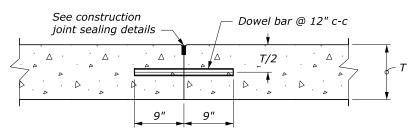
ISOLATION JOINT

UNDOWELED - LONGITUDINAL



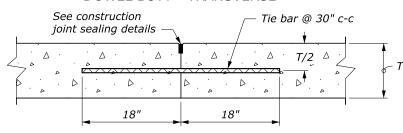
CONSTRUCTION JOINT

PLAIN - TRANSVERSE or LONGITUDINAL



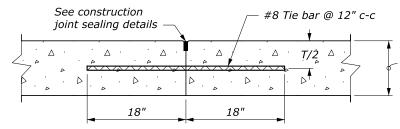
CONSTRUCTION JOINT

DOWEL BUTT - TRANSVERSE



CONSTRUCTION JOINT

TIED BUTT - LONGITUDINAL



CONSTRUCTION JOINT

TIED BUTT - TRANSVERSE

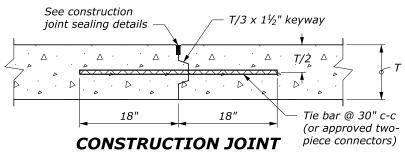
ISOLATION JOINT

NOTES:

- 1. Use epoxy-coated material for all tie bars, dowels, and other steel used in the construction of concrete
- 2. Deformed reinforcing bars or hook bolts may be used for tie bars.

PROJECT

- 3. Do not place tie bars within 15 inches of transverse
- 4. Install isolation joints when abutting a fixed structure. Use expansion joint material extending the full depth and length of the concrete surface.
- 5. Transverse and longitudinal construction joints are not included in the joint layout plan. Use transverse and longitudinal construction joints sparingly. Submit planned construction joint locations for approval.
- 6. For construction joints, if tie bars and dowels are not set into concrete during placement, drill and anchor the tie bars and dowels into the existing concrete construction with epoxy resin.
- 7. Maintain joint sealant shape factor of 1:1; except when silicone sealant is used, maintain the width to depth shape factor of 2:1 or as recommended by sealant manufacturer.
- 8. See Section 712 for joint material requirements.
- 9. See Detail ET 501-1 or ET 502-1 for reinforcement details.



KEYWAY - LONGITUDINAL

½" typ.	<u> 1⁄8" ty</u>	<u>'/p.</u>		¹ / ₈ " typ.
Join	nt sealant T,	/3	Joint sealant —	T/3 .
Pre join	eformed nt filler			

MINOR CONCRETE PAVEMENT JOINT SEALING DETAILS

CONSTRUCTION JOINT

BAR SIZES					
PAVEMENT THICKNESS (T) (IN)	TIE BAR	DOWEL BAR DIAMETER (IN)			
T ≤ 8	#5	1			
8 < T ≤ 10	#5	11/4			
$10 < T \le 12$	#6	1½			

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

MINOR CONCRETE **PAVEMENT JOINTS**

NO SCALE

SAWED OR FORMED JOINT

DETAIL ET 501-2