

1. DOWELS SHALL BE ASSEMBLED IN A RIGID FRAMEWORK OF A LENGTH EQUAL TO A LANE WIDTH. THE EXPANSION JOINT FRAMEWORK SHALL PROVIDE ADEQUATE SUPPORT TO MAINTAIN THE PREMOULDED JOINT FILLER IN PROPER HORIZONTAL AND VERTICAL ALIGNMENT.
2. THE FRAMEWORK SHALL BE STRONG ENOUGH TO SUPPORT A 200 POUND CONCENTRATED LOAD WITHOUT DEFORMATION OR FAILURE.
3. ANCHOR PINS SHALL BE USED TO SECURE THE FRAMEWORK AGAINST ANY MOVEMENT ALONG THE SUBGRADE.
4. THE DOWELS AND SUPPORTING FRAMEWORK SHALL BE STABLE AGAINST OVERTURNING, INDEPENDENT OF ANY ANCHOR PIN, AND UPON APPLICATION OF THE 200 POUND CONCENTRATED LOAD THEY SHALL NOT BE DEPRESSED BELOW THEIR NORMAL POSITION IN THE PAVEMENT SLAB.
5. THE FREE MOVING OR UNANCHORED END OF ALL DOWEL BARS IN BOTH CONTRACTION AND EXPANSION JOINTS SHALL BE COATED, AFTER INSTALLATION OF THE DEVICE UPON THE SUB- GRADE AND IMMEDIATELY PRIOR TO THE POURING OF THE CONCRETE, WITH GRAPHITE GREASE APPLIED WITH A GLOVED HAND. THIS SAME END OF ALL EXPANSION JOINT DOWEL BARS SHALL BE CAPPED WITH A SNUG FITTING, CLOSED END, METAL EXPANSION SLEEVE TEMPORARILY SECURED TO THE BAR SO AS TO PROVIDE A 1" LONG OPEN SOCKET BEYOND THE BAR END AND TO LAP BACK 2" ON THE BAR AT THE TIME OF INSTALLATION.
6. LOAD TRANSFER ASSEMBLY EXPANSION JOINTS SHALL BE REQUIRED AT ALL P.C.'S ON THE MAIN LINE OR AT 400' INTERVALS OR WHERE AND AS DIRECTED BY THE ENGINEER.
7. TRANSVERSE CONTRACTION JOINTS WITH LOAD TRANSFER ASSEMBLY DEVICES SHALL BE REQUIRED AT 40' INTERVALS BETWEEN ALL EXPANSION JOINTS OR AS DIRECTED BY THE ENGINEER.

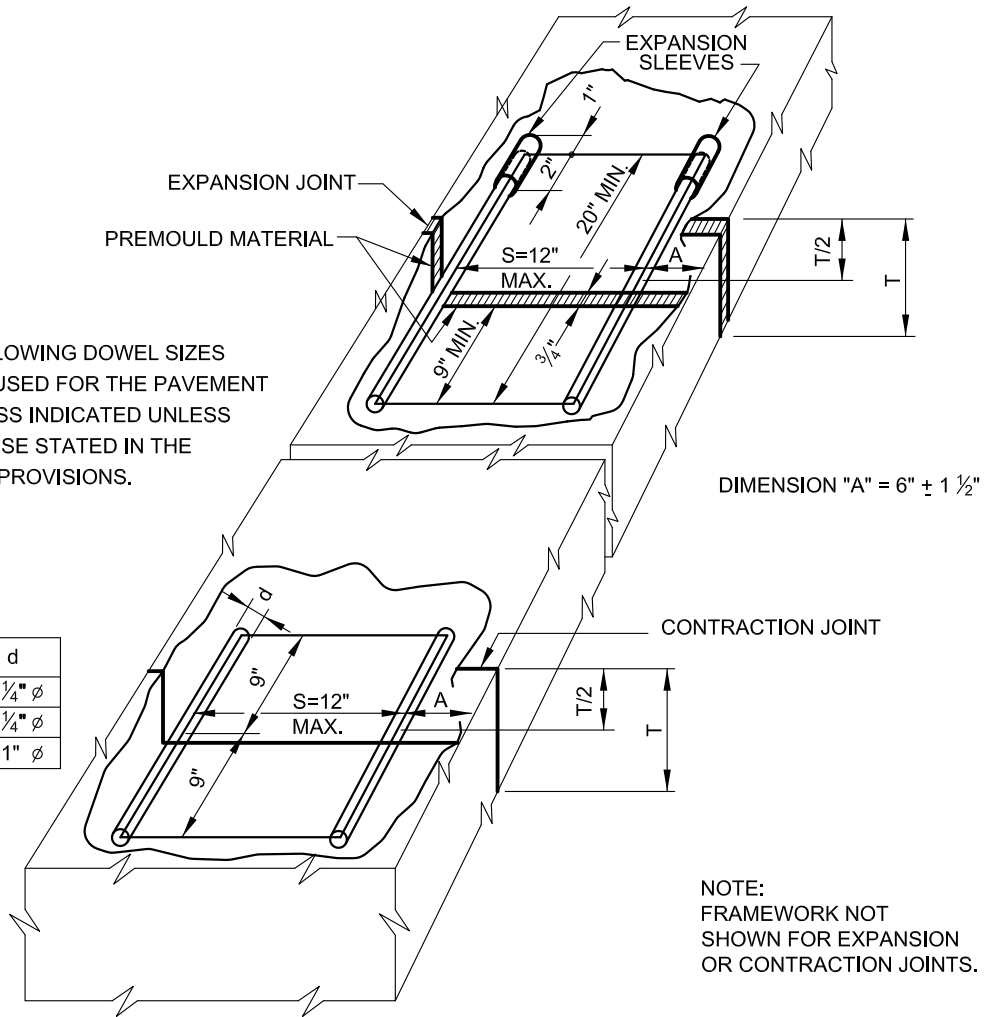
EXPANSION JOINT ONLY:

DOWEL BAR TO BE A MINIMUM LENGTH OF 20". IF BAR IS NOT CENTERED, THE LONG SIDE SHALL BE THE FREE END.

NOTE:

THE FOLLOWING DOWEL SIZES WILL BE USED FOR THE PAVEMENT THICKNESS INDICATED UNLESS OTHERWISE STATED IN THE SPECIAL PROVISIONS.

T	T/2	d
10"	5"	1 1/4" $\phi$
9"	4 1/2"	1 1/4" $\phi$
8"	4"	1" $\phi$



APPROVED:

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CITY OF BALTIMORE  
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REQUIREMENTS FOR LOAD  
 TRANSFER DEVICES  
 REINFORCED  
 CONCRETE PAVEMENT

ISSUED	REVISED	REVISED
8 / 2010		
STANDARD NO. BC 572.21		
SCALE: NONE	SHEET 1 OF 1	