

See dowel assemblies for fabrication details.

See Bar Size Table for Contraction Joints on Sheet 2.

Locate 'DW' joint at a mid-panel location between future 'C' or 'CD' joints. Place no closer than 5 feet to a 'C' or 'CD' joint.

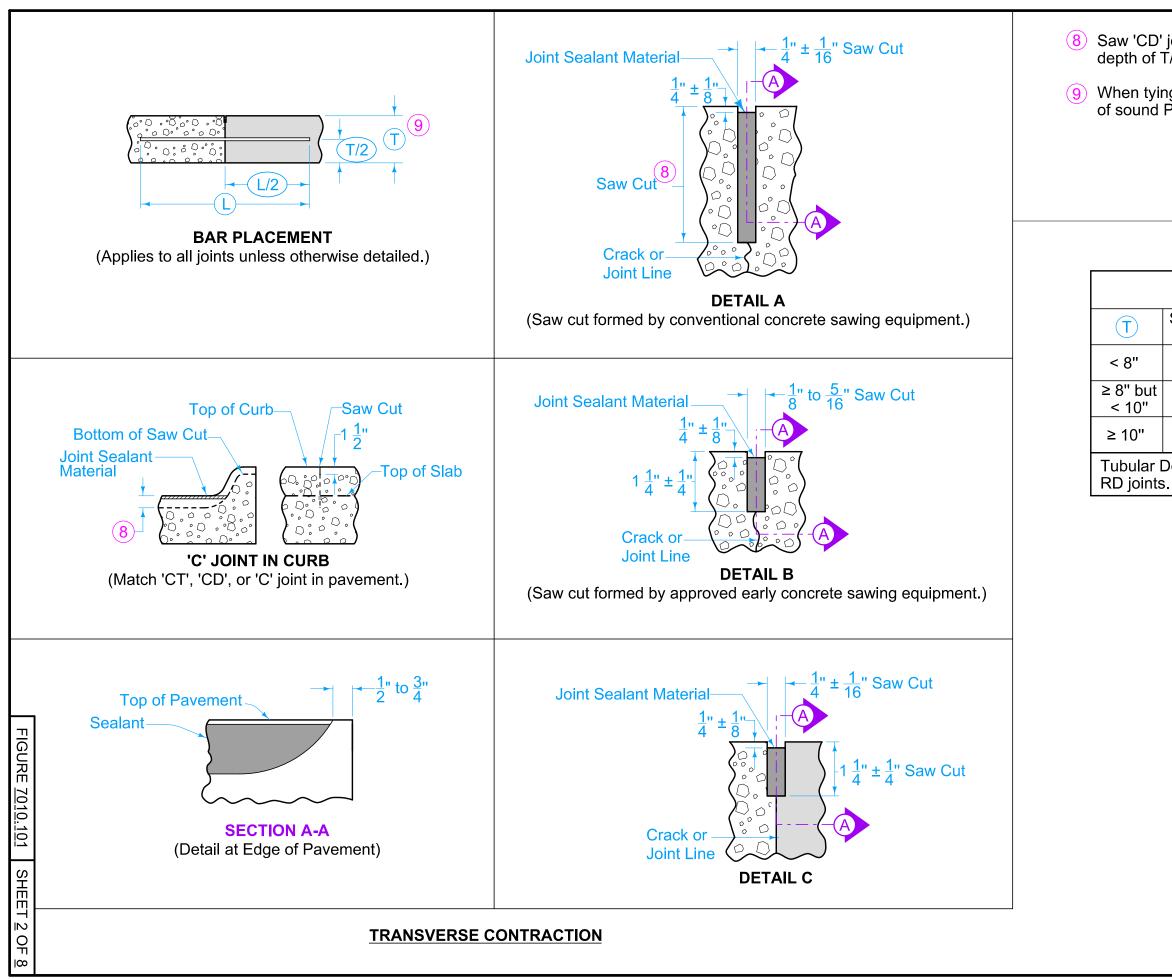
Place bars within the limits shown under dowel assemblies.

Edge with 1/8 inch tool for length of joint. For HT joint, remove header block and board when second slab is placed.

Unless specified otherwise, use 'CD' transverse contraction joints in mainline pavement when T is greater or equal to 8 inches. Use 'C' joints when T is less than 8 inches.

'RT' joint may be used in lieu of 'DW' joint at the end of the days work. Remove any pavement damaged due to the drilling at no additional cost to the Contracting Authority.

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	\mathbb{A} SUDAS		REVISION 11 04-19-22				
			PV-101				
	FIGURE 7010.101	STANDARD ROAD PLAN					
	REVISIONS: Modified	circle note 32.	SHEET 1 of 8				
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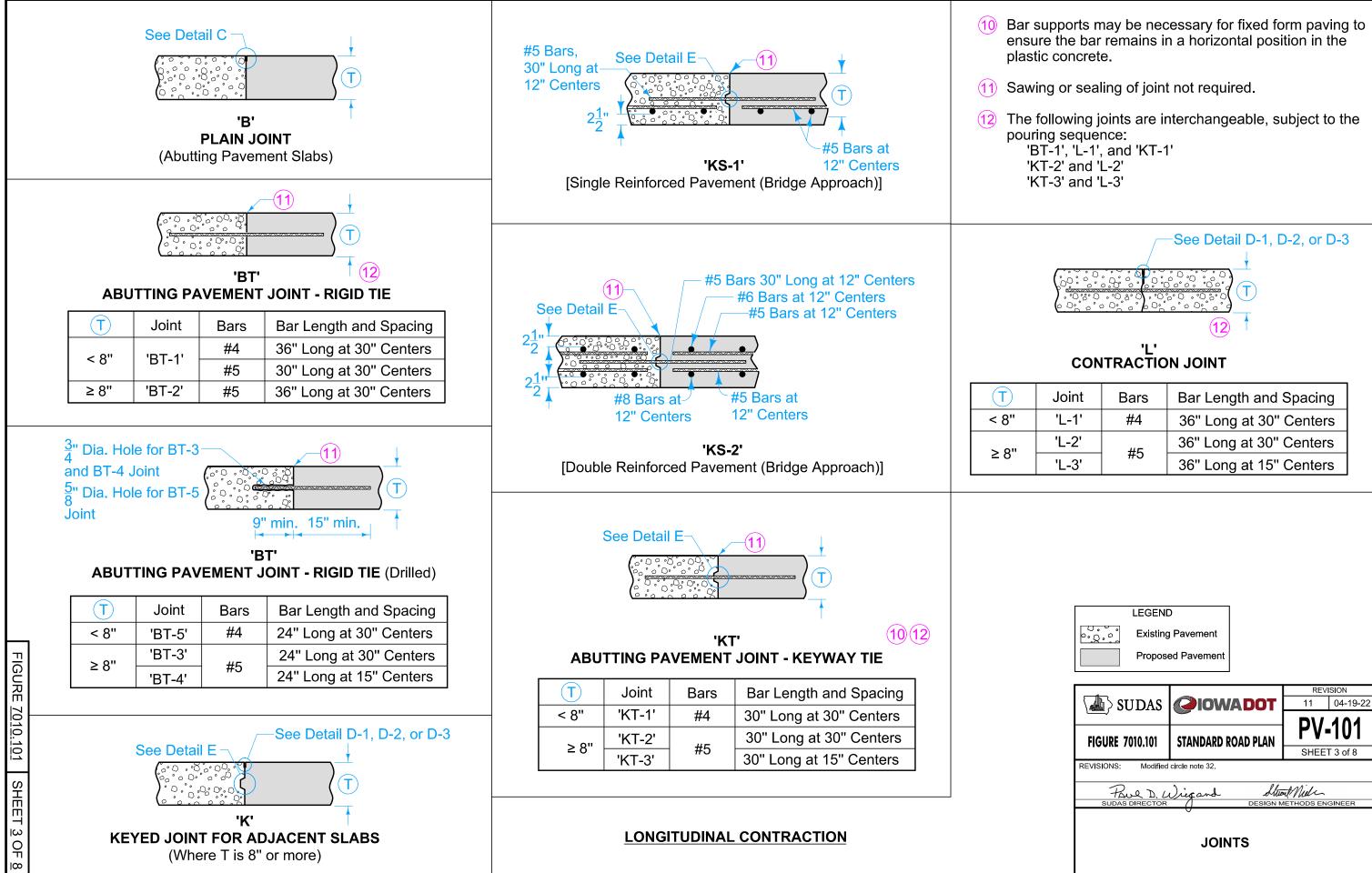


D' joint to a depth	of T/3 ± 1/4"; s	saw 'C' joint to a
of Ť/4 ± 1/4".		-

When tying into old pavement, \bigcirc represents the depth of sound PCC.

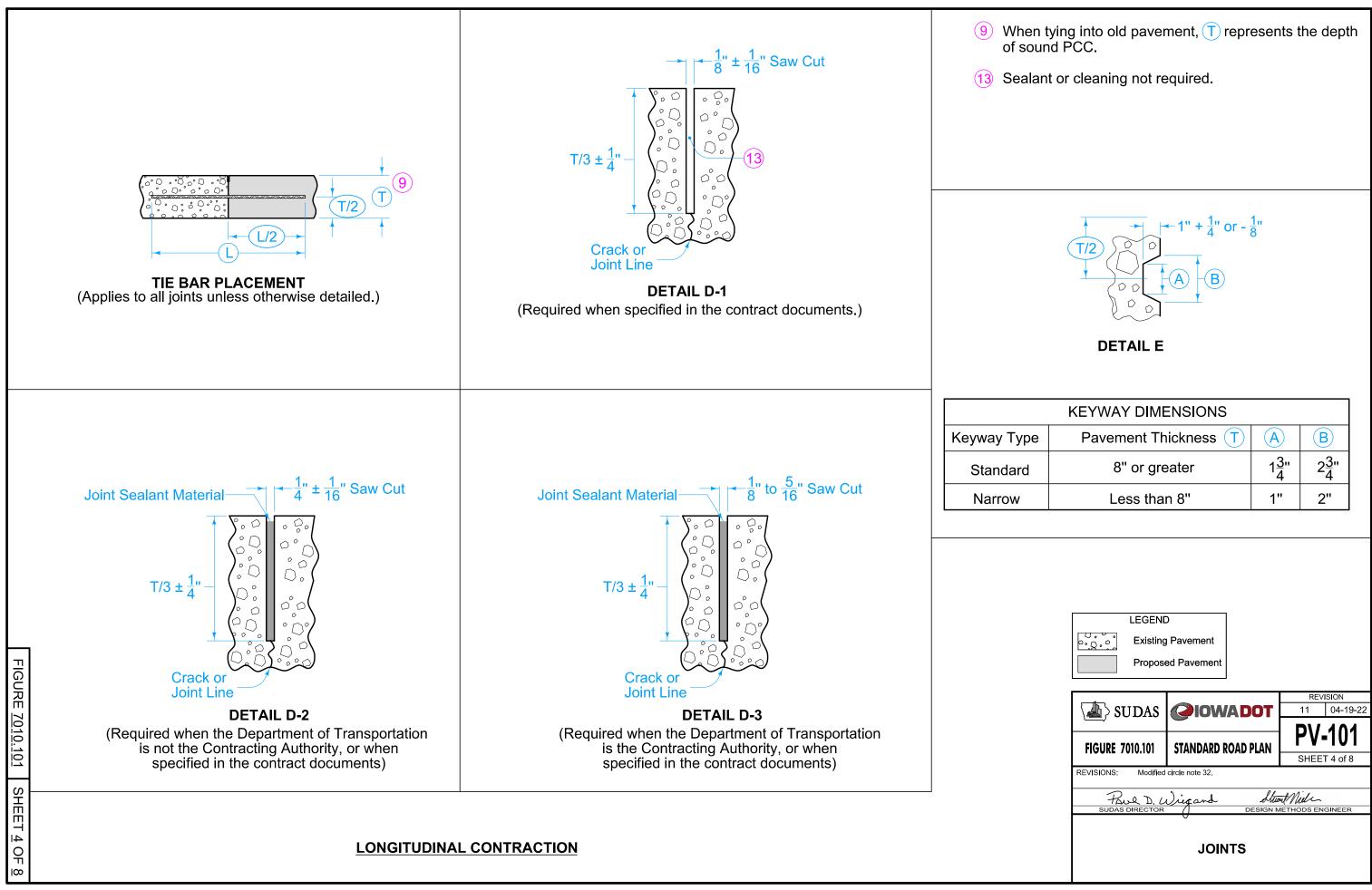
	BAR SIZE TABLE FOR CONTRACTION JOINTS					
Solid Dowel Tubular Dowel Tie Ba Diameter Diameter Size						
	<u>3</u> " 4	<u>7</u> "	#6			
ut "	1 <u>1</u> "	1 3 8"	#10			
$1\frac{1}{2}$ $1\frac{5}{8}$ #11						
ar Dowel Bars will not be allowed for						

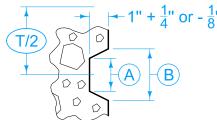
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FIGURE 7010.101	STANDARD ROAD PLAN		-101	
		SHEE	T 2 of 8	
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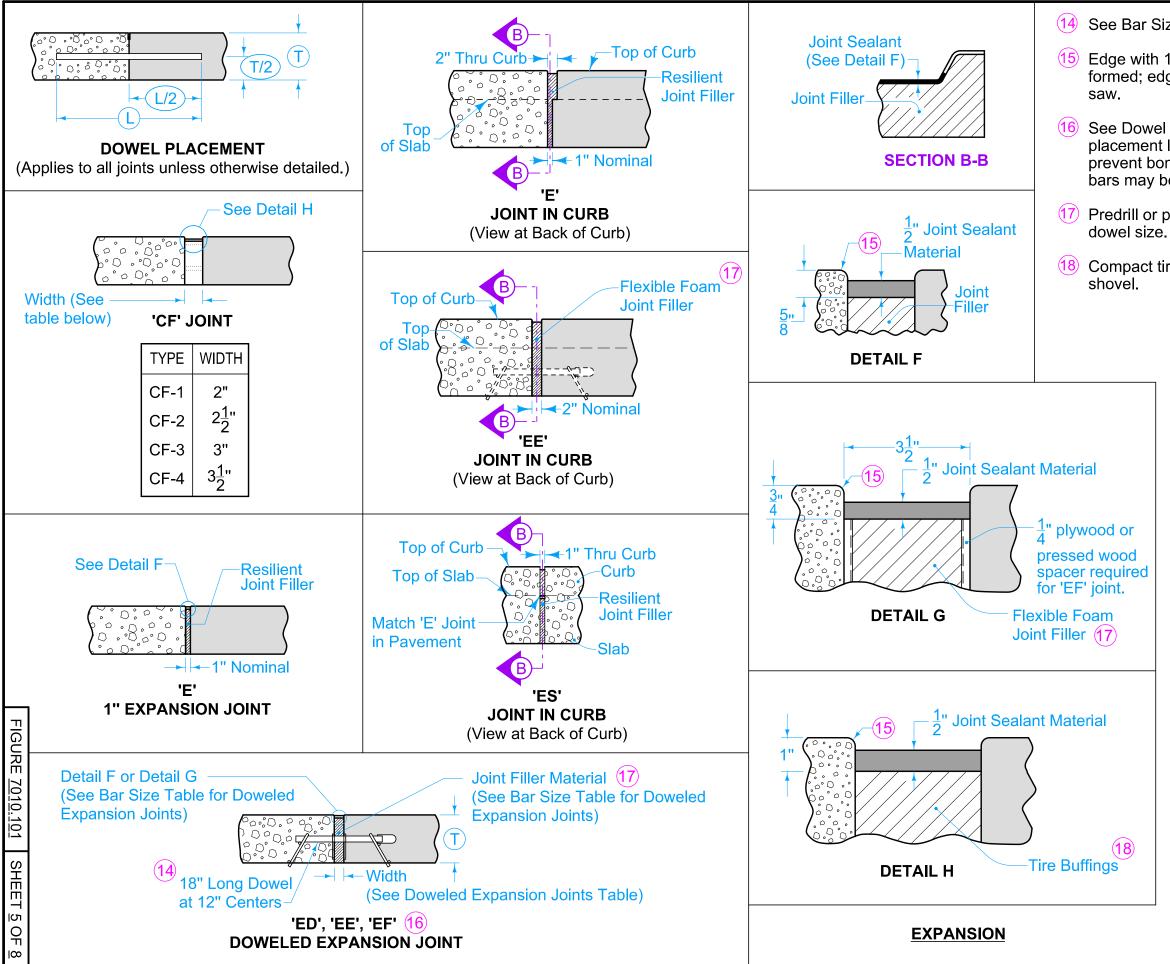
Joint Bars		Bar Length and Spacing		
'L-1' #4		36" Long at 30" Centers		
'L-2'	#5	36" Long at 30" Centers		
'L-3'	#3	36" Long at 15" Centers		

	D g Pavement ed Pavement			
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FIGURE 7010.101	STANDARD ROAD PLAN	PV-101		
		SHEET 3 of 8		
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KEYWAY DIMENSIONS			
е	Pavement Thickness T	A	B
	8" or greater	1 <u>3</u> "	2 <u>3</u> "
	Less than 8"	1"	2"



See Bar Size Table for Doweled Expansion Joints.

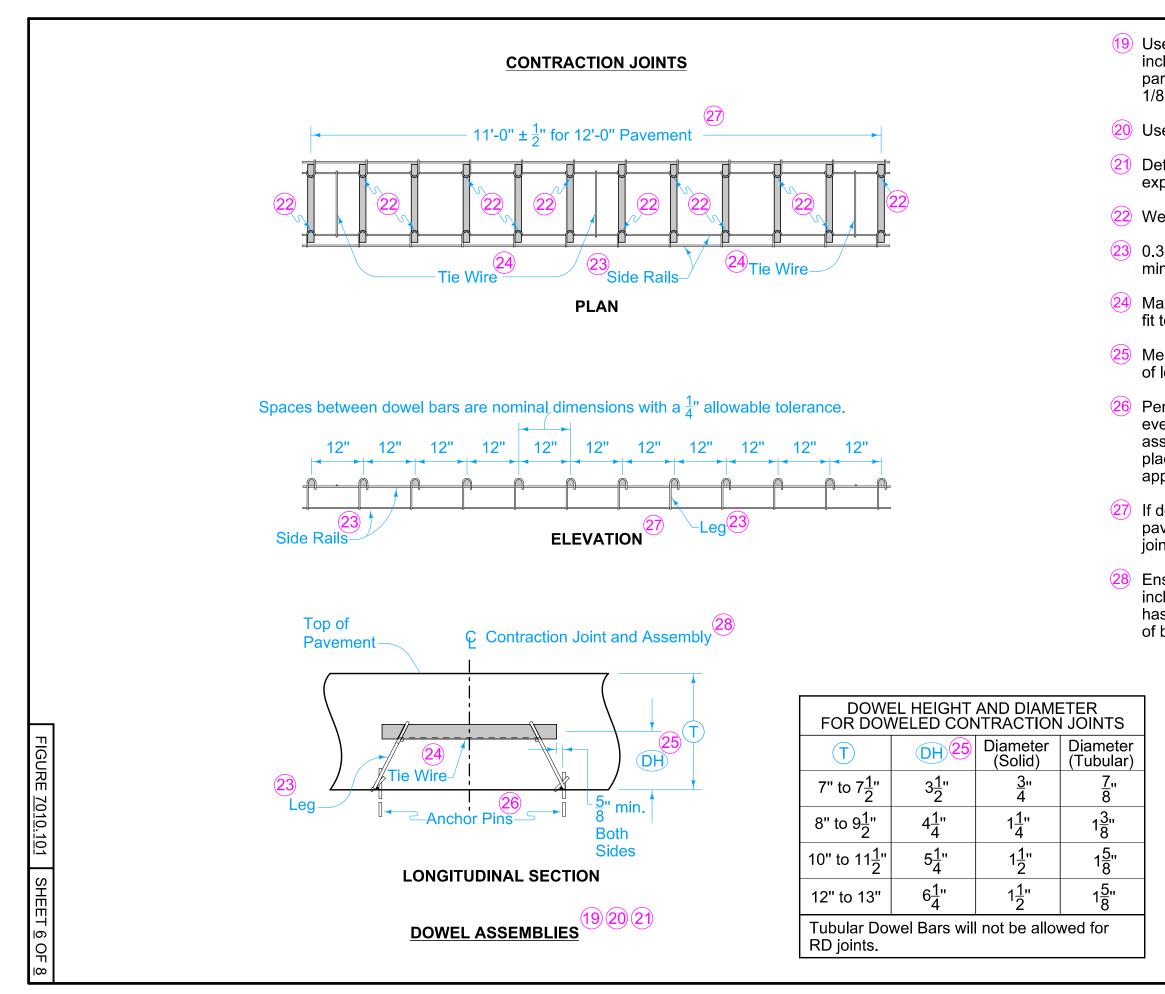
Edge with 1/4 inch tool for length of joint indicated if formed; edging not required when cut with diamond blade

See Dowel Assemblies for fabrication details and placement limits. Coat the free end of dowel bar to prevent bond with pavement. At intake locations, dowel bars may be cast-in-place.

Predrill or preform holes in joint material for appropriate dowel size.

Compact tire buffings by spading with a square-nose

DC	DOWELED EXPANSION JOINTS				
TYPE	TYPE WIDTH FILLER MATERIAL (17)				
ED	1"		Resilient (D	Detail F)	
EE	2"	Fle	xible Foam	(Detail F)	
EF	3 <u>1</u> "	Flex	vible Foam	(Detail G)	
BAI			E FOR DOV ON JOINTS		
T	<	8"	≥ 8" but < 10"	≥ 10"	
Dowe Diame		<u>3</u> 4	1 <u>1</u> "	$1\frac{1}{2}$ "	
	ar Dowe pansion		will not be	allowed	
	LEGEND Existing Pavement Proposed Pavement				
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	FIGURE 7010.101 STANDARD ROAD PLAN PV-101				
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(19) Use 18 inch long dowel bars with a tolerance of \pm 1/8 inch. Ensure the centerlines of individual dowels are parallel to the other dowels in the assembly within \pm 1/8 inch.

Use wires with a minimum tensile strength of 50 ksi.

Details apply to both transverse contraction and expansion joints.

(22) Weld alternately throughout.

0.306 inch diameter wire. Wire sizes shown are the minimum required.

24 Maximum 0.177 inch diameter wire, welded or friction fit to upper side rail, both sides.

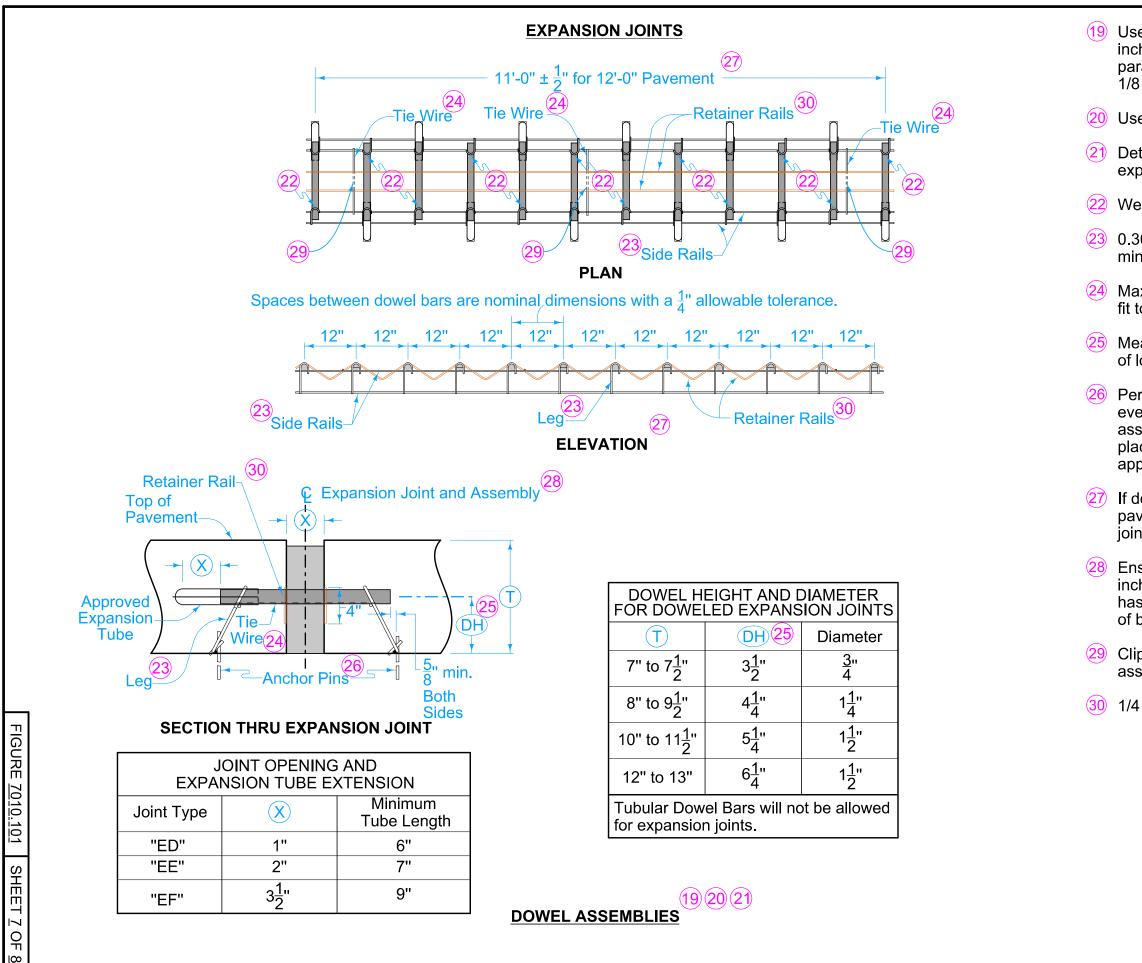
(25) Measured from the centerline of dowel bar to bottom of lower side rail + 1/4 inch.

Per lane width, install a minimum of 8 anchor pins evenly spaced (4 per side), to prevent movement of assembly during construction. Anchor assemblies placed on pavement or PCC base with devices approved by the Engineer.

If dowel basket assemblies are required for curbed pavements, the assembly length is based on the jointing layout. See PV-101, sheet 8.

Ensure dowel basket assembly centerline is within 2 inches of the intended joint location longitudinally and has no more than 1/4 inch horizontal skew from end of basket to end of basket.

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FIGURE 7010.101	STANDARD ROAD PLAN	<u> </u>	-101	
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Per lane width, install a minimum of 8 anchor pins evenly spaced (4 per side), to prevent movement of assembly during construction. Anchor assemblies placed on pavement or PCC base with devices approved by the Engineer.

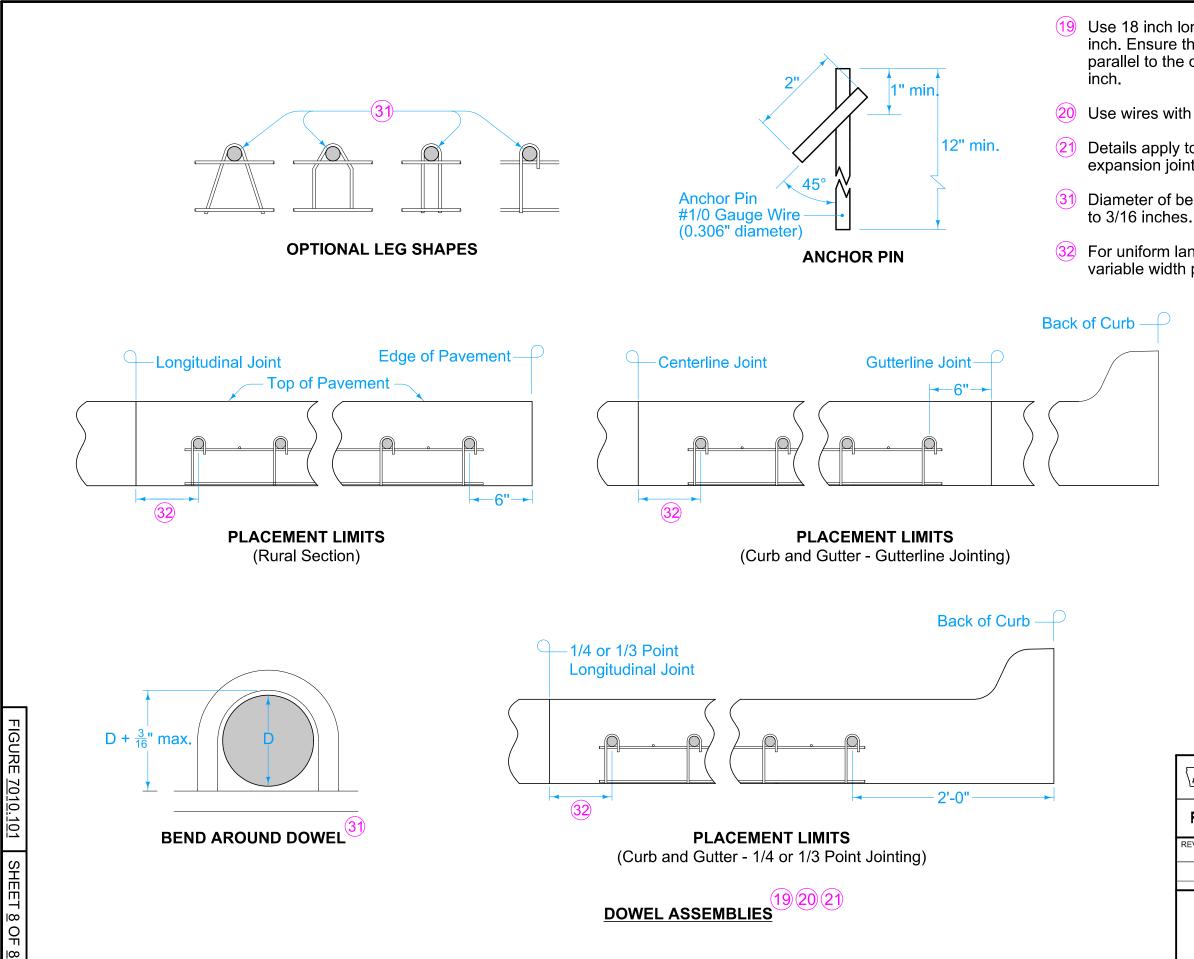
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Ensure dowel basket assembly centerline is within 2 inches of the intended joint location longitudinally and has no more than 1/4 inch horizontal skew from end of basket to end of basket.

Clip and remove center portion of tie during field assembly.

1/4 inch diameter wire.

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FIGURE 7010.101	STANDARD ROAD PLAN	21.	-101	
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Use wires with a minimum tensile strength of 50 ksi.

Details apply to both transverse contraction and expansion joints.

Diameter of bend around dowel is dowel diameter + 1/8

32 For uniform lane widths: 3 to 6 inches. For taper and variable width pavements: 3 to 12 inches.

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FIGURE 7010.101	STANDARD ROAD PLAN	ΓV	- 1 V I		
		SHEET 8 of 8			
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