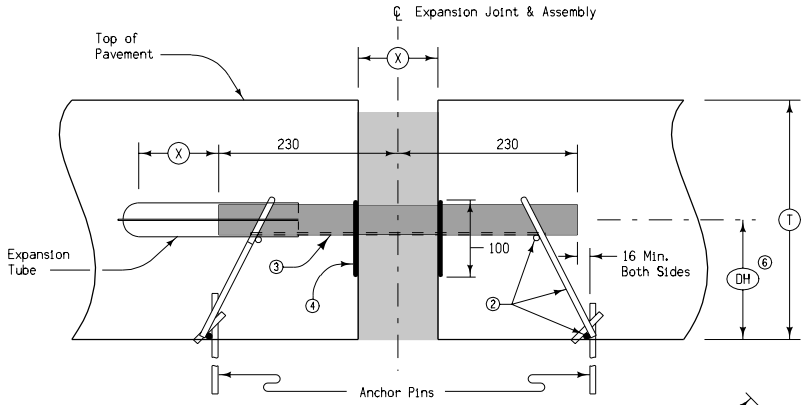


SECTION THRU EXPANSION JOINT

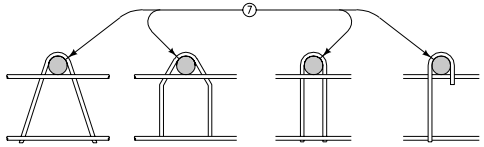
JOINT OPENING AND EXPANSION TUBE EXTENSION		
Joint Type	X	Minimum Tube Length
"ED"	25 mm	152 mm
"EE"	50 mm	178 mm
"EF"	100 mm	229 mm

DOWEL HEIGHT AND DIAMETER		
T	DH ⑥	Diameter
180-190 mm	90 mm	20 mm
200-240 mm	110 mm	30 mm
250-290 mm	135 mm	35 mm
300-330 mm	160 mm	35 mm

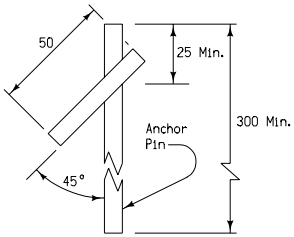
GENERAL NOTES:

Dowel bars shall be 457 mm long with a tolerance of +-3 mm. The centerline of individual dowels shall be parallel to the other dowels in the assembly within +-3 mm.

Wire sizes shown are the minimum required, and the wires shall have a minimum tensile strength of 345 MPa.

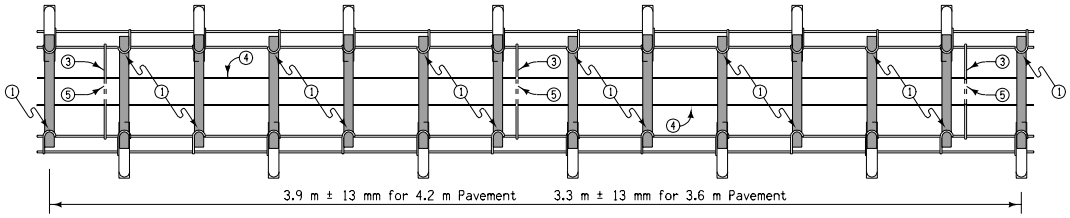


OPTIONAL LEG ASSEMBLES



ANCHOR PIN DETAILS ⑧

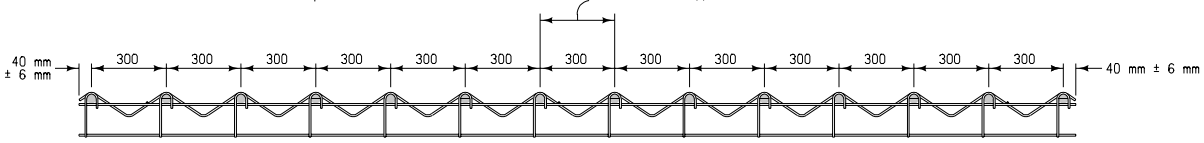
1. Weld alternately thru-out.
2. #1/0 gauge (8 mm diameter) wire.
3. (3) #10 gauge (4 mm diameter) wire, tie wire welded or friction fit to top longitudinal wire, both sides.
4. 6 mm dia. wire minimum
5. Clip and remove center portion of tie during field assembly.
6. Measured from the centerline of dowel bar to bottom of support wire +5 mm.
7. Diameter of bend around dowel is dowel diameter +3 mm to 5 mm.
8. Anchor pins shall be #1/0 gauge (8 mm diameter) wire and shall prevent movement of assembly during construction.



PLAN VIEW

All dimensions given in millimeters unless noted.

Spaces between dowel bars are nominal dimensions with a ¼" allowable tolerance.



ELEVATION

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RH-56**

REVISION: Plan View, change 3.6 m to 3.9 m (for 4.2 m pave.), & 3.0 m to 3.3 m (for 3.6 m pave).

REVISION NO. 6

REVISION DATE 10-19-04

APPROVED BY DESIGN METHODS ENGINEER

FABRICATION DETAILS
EXPANSION JOINT
DOWEL ASSEMBLY