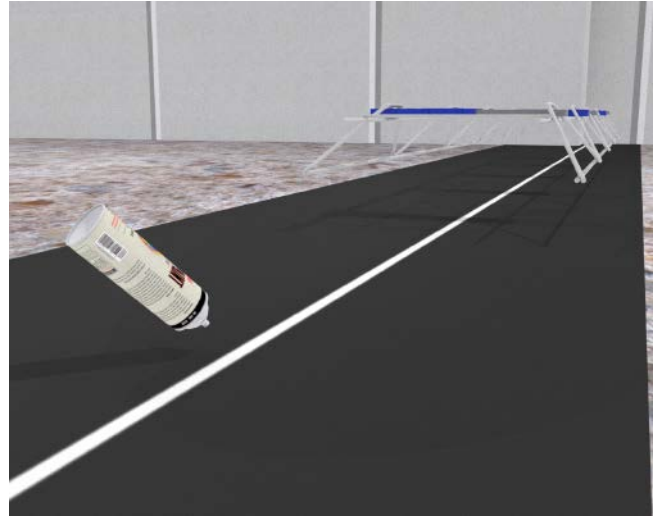


## Installing DOWELCRADLE

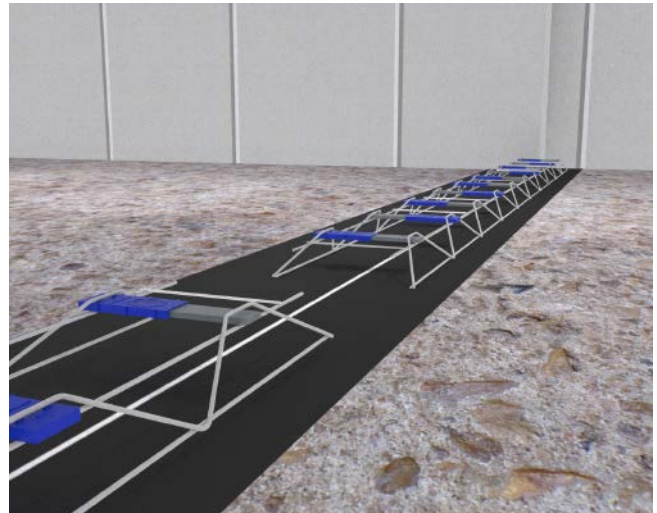
1. Mark the position of sawn contraction joint with a string line, or a paint line on the sub-grade or on top of membrane if used.

*Mark the position of the sawn contraction joint*



2. Place the first DOWELCRADLE centrally over the marked line, there is 30 mm tolerance on the center position of the DOWELCRADLE ensured by the sleeve overlap. Place the second DOWELCRADLE over the marked line at the end of the first cradle, the cradles can be positioned end-to-end without the need to make additional measurements or adjustments. Place subsequent cradles similarly. Place crack inducer under the DOWELCRADLES if necessary. If necessary fix the correct position of the cradles by wire pins to avoid position change during the concrete pouring.

*Placing of the DOWELCRADLES*

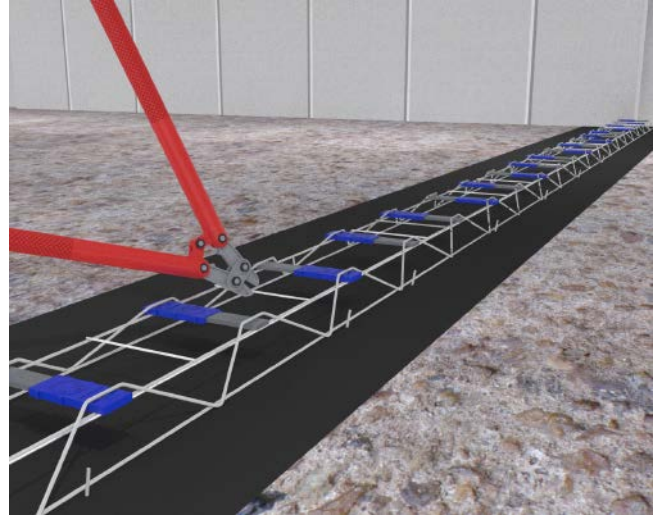


3. Install the slab reinforcement mesh (if specified) as directed by the slab designer.

## INSTALLING

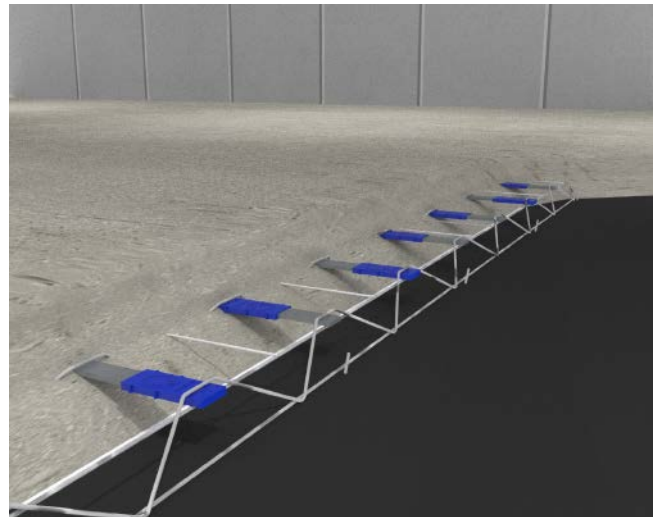
4. Once the cradle is correctly positioned, cut the cross wires to allow independent movement of the two cradle halves. It is recommended to cut the cross wires just before the concrete pouring.

*Cut the cross wires*



5. Pour the concrete ensuring that concrete placement and minimum reinforcement coverage is achieved as per slab design. Pour concrete around the DOWELCRADLE paying particular attention to the fill around the DOWELCRADLE. All plate type dowels require adequate compaction with a Poker Vibrator around them, to eliminate the possibility of air entrapment below the sleeve.

*Pour the concrete*



6. Saw cut the slab over the centerline by diamond saw to a depth of 25 ~ 30% total slab thickness, as soon as it is possible to cut without damaging the arrises (within 24 hours). Control the depth of the cut to make sure the dowels are not cut through.

*Saw cut the slab to create the contraction joint*

