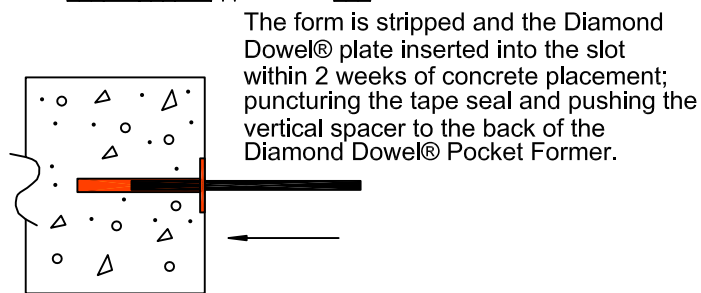
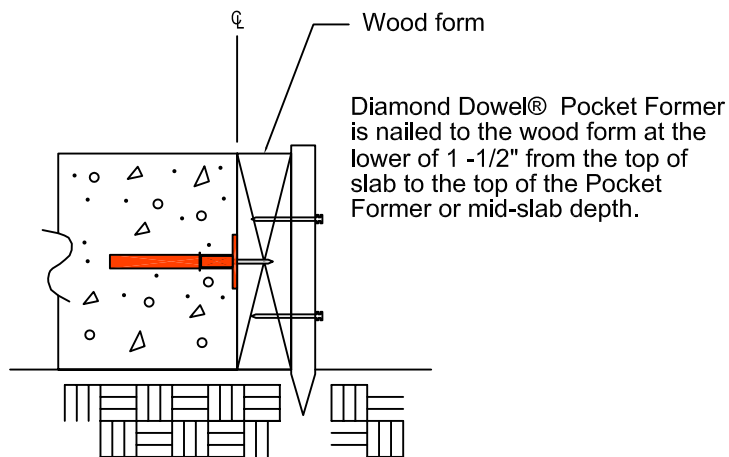
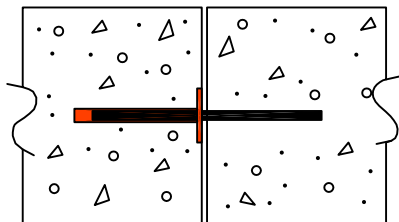


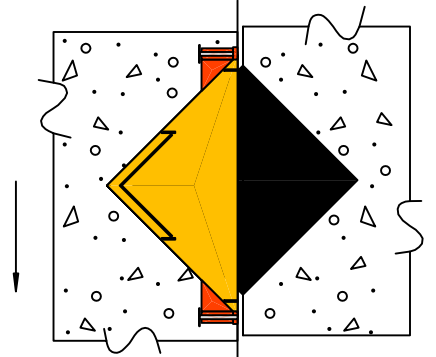
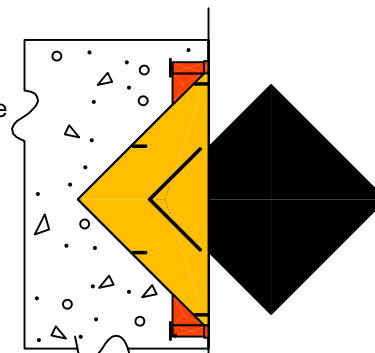
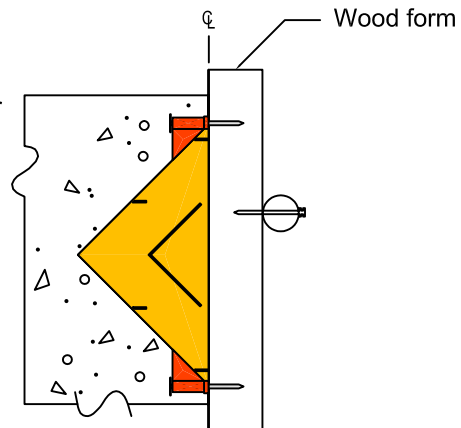
## SECTION



The unique design of the Diamond Dowel® System allows for the differential movement between slabs when the concrete shrinks.



## PLAN



### NOTES:

- 1) Wide plate minimizes concrete bearing stress and reduces deflection across joint
- 2) Allows the slab to shrink without restraint
- 3) Reduces the flexural and shear stress in the plate at the joint
- 4) Eliminates dowel misalignment and reduces internal stresses
- 5) No need to drill forms (Reuse of forms increased)
- 6) Greatly simplifies form removal
- 7) Diamond Dowel® System must be installed using a full depth form. PNA does not endorse the installation of Diamond Dowel System using a partial depth form.
- 8) Diamond Dowel® System as manufactured by PNA Construction Technologies, Inc. (800) 542-0214.

SHEET#

DD-4

# PNA Diamond Dowel® System Installation

DATE

June 2004

SCALE

1" = 6"

DRAWN BY



www.pna-inc.com

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