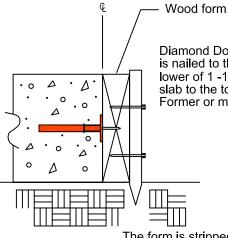
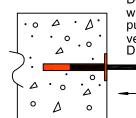
SECTION

PLAN

Wood form

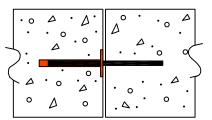


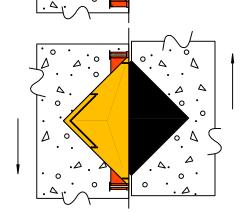
Diamond Dowel® Pocket Former is nailed to the wood form at the lower of 1 -1/2" from the top of slab to the top of the Pocket Former or mid-slab depth.



The form is stripped and the Diamond Dowel® plate inserted into the slot within 2 weeks of concrete placement; puncturing the tape seal and pushing the vertical spacer to the back of the Diamond Dowel® Pocket Former.

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





NOTES:

- Wide plate minimizes concrete bearing stress and reduces deflection across joint
- 2) Allows the slab to shrink without restraint
- 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
- 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

CONSTRUCTION

DATE June 2004

SCALE

1" = 6"

DRAWN BY

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