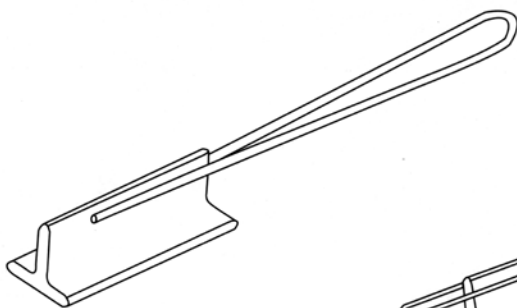


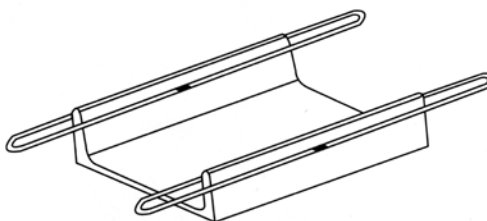
BOTTOM WELD PLATES

WITH WIRE LOOPS

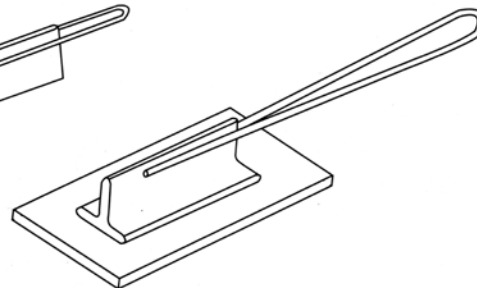
As part of a program for evaluating various inserts used in Spancrete® hollowcore plank, weld plates as shown below were tested in the bottom of some plank. The plates were located on the casting bed at a strand location and tied securely to the strand prior to placing concrete.



BWA-5
Tee 1 1/2" x 1/4" x 4"
with 1/4" smooth bar
x 18" long



BWA-6
Channel 4" x 5.4# x 6"
with 1/4" x 10" loops



BWA-8
BWA-5 anchor welded
to plate 3/8" x 4" x 8"

SUMMARY OF TEST RESULTS (IN KIPS)

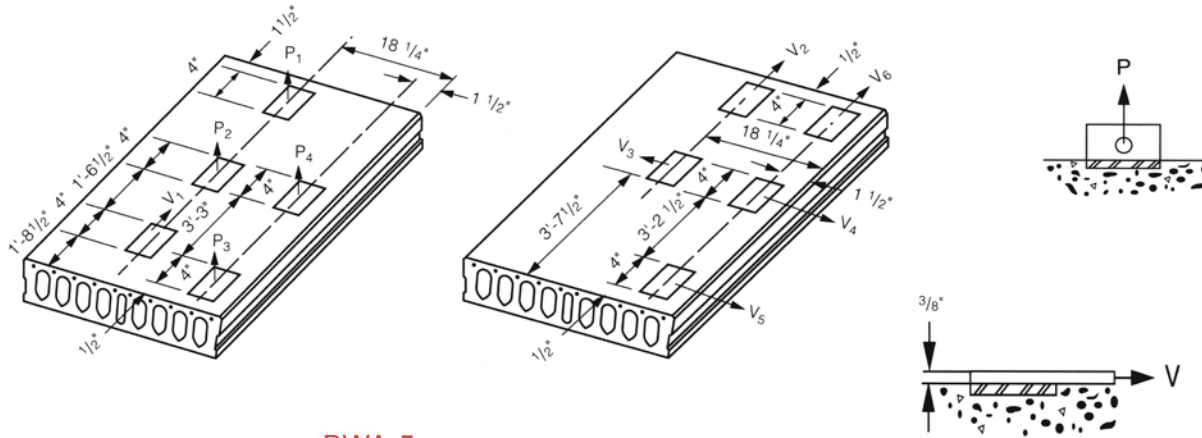
First value given is average test capacity. Second value given is lowest test capacity.

INSERT	P ₁	P ₂	P ₃	P ₄	V ₁	V ₂	V ₃	V ₄	V ₅	V ₆
BWA-5	3.2	5.9	1.5	3.2	13.3	6.3	14.8	2.2	1.1	2.7
	2.7	5.5	1.3	3.0	8.2	5.6	11.2	1.9	.72	1.7
BWA-6	7.8	12.2	5.0	7.2	32.7	26.6	32.0	12.4	5.5	11.0
	7.5	12.0	3.4	7.0	31.0	24.7	31.0	8.3	4.9	9.4
BWA-8	6.3	5.4	-	-	-	-	-	-	-	-
	5.8	4.5	-	-	-	-	-	-	-	-

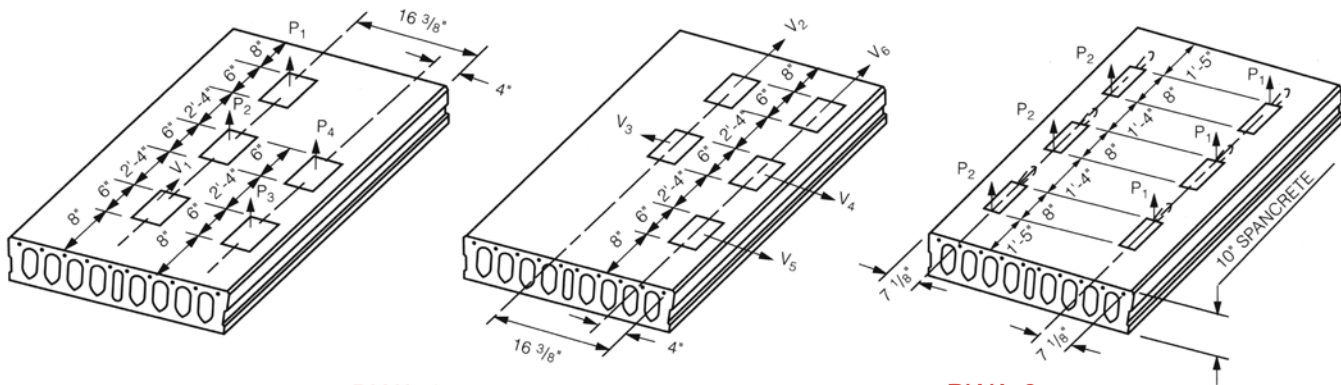
Note: Values given are test results. Appropriate strength reduction factors and safety factors must be applied to these values. Consideration should be given to the number of tests and the inconsistencies in results of the concrete failures when determining these factors.

This research was done using 40" wide, 8" thick Standard Spancrete. However, this concept applies to all Spancrete cross sections.

BOTTOM WELD PLATE TEST SETUP (WIRE LOOPS)



BWA-5



BWA-6

BWA-8

EAST

Oldcastle Precast, Inc.
South Bethlehem, NY

Oldcastle Precast, Inc.
Manchester, NY

Conewago Precast Building
Systems
Hanover, PA

MIDWEST
Spancrete, Inc.
Green Bay, WI

Spancrete Industries, Inc.
Waukesha, WI

Hanson Structural Precast
Midwest, Inc.
Maple Grove, MN

Spancrete of Illinois, Inc.
Arlington Heights, IL

WEST
Hanson Structural Precast
Pacific, Inc.
Inwindsale, CA

KIE-CON
Div. of Kiewitt Pacific Co.
Antioch, CA

Owell Precast
Sandy, UT

SOUTHWEST
Manco Structures, Ltd.
Schertz, TX

SOUTH

Cement Industries, Inc.
Fort Myers, FL

Florida Precast Industries, Inc.
Sebring, FL

MC Precast, Inc.
Atlanta, GA

CANADA
Burnco Concrete Products Ltd.
Calgary, Canada

EGYPT
Samcrete Egypt
Ahram, Giza

MEXICO

ITISA
Mexico City, Mexico

Spancrete Noreste
Monterrey, Mexico

TURKEY
Yapi-Merkezi
Camlica-Istanbul, Turkey

CARIBBEAN
Preconco Limited
Barbados, West Indies

Spancrete Caribbean, Ltd.
Trinidad, West Indies

UAE
Hi-Tech Concrete Products, LLC
Abu Dhabi, UAE

MACHINE MANUFACTURER

Spancrete Machinery
Corporation
Waukesha, WI

Spancrete is also manufactured in

Armenia	Denmark	Russia
Australia	Guatemala	South Korea
Belgium	Hungary	Spain
Brazil	Ireland	Switzerland
China	Israel	
Croatia	Japan	