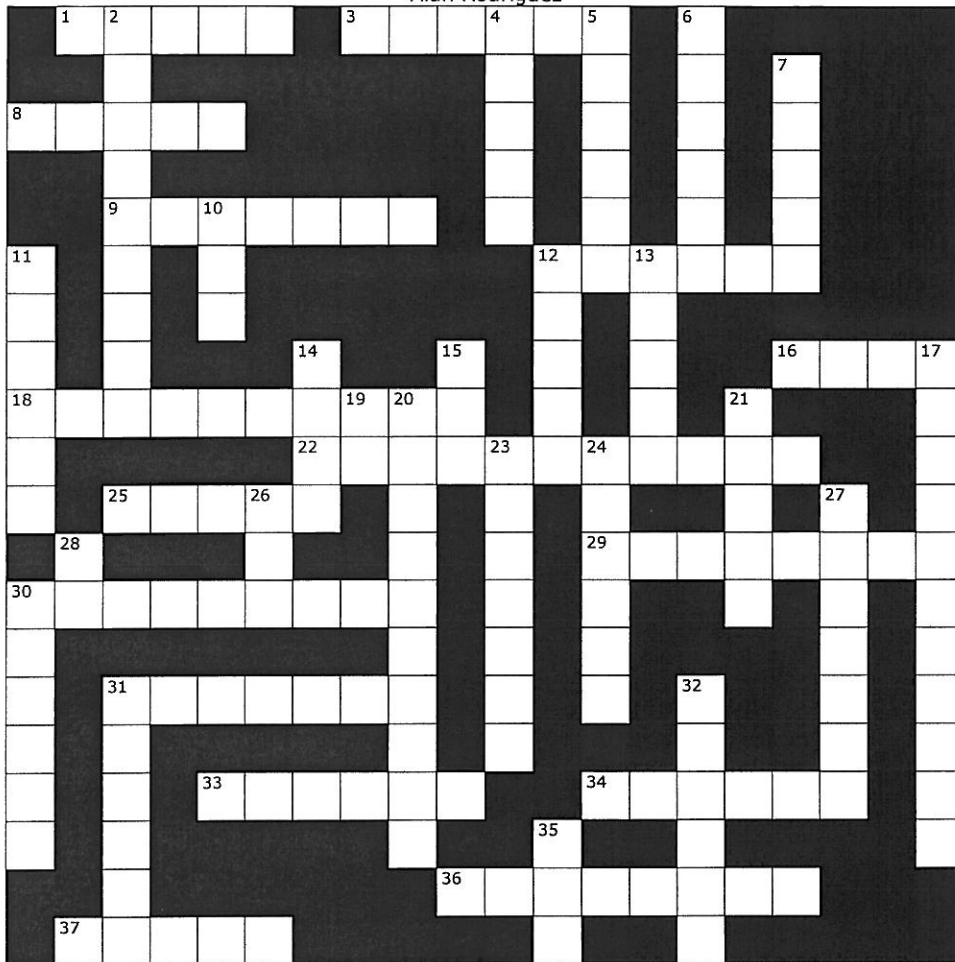


# Post Tension

Alan Rodriguez



Tiger Industries Corp., all rights reserved 2006

## DOWN

- 2** A method of pumping fluid to create a force.
- 4** Part of a hydraulic pump that is calibrated with a jack.
- 5** Connects two tendon ends to each other.
- 6** The area established for access to the anchor from the edge of the concrete.
- 7** Encapsulated systems must be \_\_\_\_\_tight.
- 10** Used for covering the strand end and wedge cavity.
- 11** The steel part of a tendon.
- 12** A hydraulic or electric device for cold-cutting the tendon after elongations are approved.
- 13** Encapsulated systems must be water\_\_\_\_\_.
- 14** Hydraulic tool for stressing tendons.
- 15** Pounds per square inch.
- 17** The only method for cold cutting tendons - Brand Name.
- 19** Abbreviation for Gauge.
- 20** The amount of stretch that occurs when a tendon is stressed.
- 21** The result of multiplying gauge pressure times the area (square inches) of the cylinders.
- 23** The area of contact between the anchor and concrete.
- 24** A device for holding the tendon and distributing stress into the structure.
- 26** Center of Gravity.
- 27** More than one tendon.
- 28** Abbreviation for "Post Tension".
- 30** Rules regarding proper work processes.
- 31** Refers to a type of chuck.
- 32** A plastic device that creates the Pocket.
- 35** 1,000 pounds of force.

## ACROSS

- 1** A device for establishing high and low points.
- 3** A device tht fits in the anchor for holding the stressed tendon.
- 8** A device tht fits in the anchor for holding the stressed tendon.
- 9** More than one anchor.
- 12** A tool for establishing the correct orientation of wedges in anchors - prior to stressing.
- 16** The hydraulic actuator for jacks or PocktShears.
- 18** An assembly of an anchor, wedges and reinforcing for holding the tendon and distributing stress into the structure.
- 22** The act of establishing the accuracy of a jack and gauge.
- 25** An nchor without a bearing plate.
- 29** A material that contains Portland Cement.
- 30** The act of pulling a tendon to its intended force.
- 31** A disaster that occurs when concrete is not properly consolidated at anchorages.
- 33** An assembly of strand, grease, plastic,anchors and wedges.
- 34** The action of pulling a tendon to a final force.
- 36** Parts of a jack that actually grab the tendon.
- 37** That portion of an anchor tht distributes the force into the concrete.