

CALDARELLI O. JOE
 Form 4
 February 18, 2009

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 CALDARELLI O. JOE

2. Issuer Name and Ticker or Trading Symbol
 CPI INTERNATIONAL, INC.
 [CPII]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 811 HANSEN WAY
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/17/2009

Director 10% Owner
 Officer (give title below) Other (specify below)
 Chief Executive Officer

PALO ALTO, CA 94303
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock, par value \$0.01 per share	02/17/2009		P		6,200	A	\$ 7.06 (1)
					120,200	(2)	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 5)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CALDARELLI O. JOE 811 HANSEN WAY PALO ALTO, CA 94303	X		Chief Executive Officer	

Signatures

/s/ Amanda Mogin, Attorney
in Fact
Date: 02/18/2009

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents the weighted average purchase price for multiple transactions at prices ranging from \$6.88 to \$7.23 per share. The undersigned undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer or a security holder of the issuer, full information regarding the number of shares purchased at each separate price.
- (2) Includes 12,000 restricted stock units granted in December 2007 and 12,000 restricted stock units granted in December 2008. 25% of the restricted stock units granted in December 2007 have vested and 25% will vest on November 30 of each of 2009, 2010 and 2011. The December 2008 grant is subject to time vesting and performance vesting. For time vesting, 25% vests on the third day following the issuance of the issuer's press release reporting first quarter financial results in February of each of 2010, 2011, 2012 and 2013, but no later than the end of February in each year. Performance vesting occurs upon the achievement of specified 20-trading-day average closing share price thresholds by the issuer's common stock: 50% of the restricted stock units granted are subject to a \$13.50 average closing share price threshold and 50% are subject to a \$16.00 average closing share price threshold. Upon vesting, each restricted stock unit entitles Mr. Caldarelli to receive one share of common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.