## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.0	C. 20549
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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

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* FRODSHAM JAMES					2. Issuer Name <b>and</b> Ticker or Trading Symbol CIENA CORP [ CIEN ]										(Check	all app Dire	olicable)	g Person(s) to I: 10% C Other	
(Last) (First) (Middle) C/O CIENA CORPORATION 7035 RIDGE RD.					3. Date of Earliest Transaction (Month/Day/Year) 12/20/2018										X	below) below) SR. VP, Chief Strategy Officer			)``
(Street) HANOVER MD 21076-1426						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person Form filed by More than One Reporting				
(City)	(St	ate) (	(Zip)													Person			
		Tab	le I - No	n-Deriv	ative	Sec	uritie	s Acc	uired,	Dis	posed o	f, o	r Ben	efic	ially	Own	ed		3
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)		Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				4 and Se		ount of ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount (A)		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)
Common Stock				12/20/2018					F		599(1)	599 <sup>(1)</sup> D \$		\$3	2.91	190,931(2)		D	
Common	Stock			12/20/	2018				F		679(3)		D	\$3	2.91	19	0,252(2)	D	
Common Stock				12/20/2018					F		632(4)		D	\$32.91		189,620 <sup>(2)</sup>		D	
Common Stock			12/20/2018					F		867(5)		D	\$32.91		188,753(2)		D		
Common	Common Stock			12/20/2018					F		1,758(6	5)	D	\$32.91		186,995 <sup>(2)</sup>		D	
Common Stock			12/20/2018					F		1,412(6	5)	D	\$32.91		185,583(2)		D		
Common Stock			12/20/2018					F		1,611 <sup>(7)</sup>		D	\$32.91		183,972(2)		D		
Common Stock			12/20/2018					F		1,647	7)	D	\$32.91		182,325 <sup>(2)</sup>		D		
Common	Stock			12/20/	2018				F		4,158(8	3)	D	\$3	2.91	17	78,167 <sup>(2)</sup>	D	
Common Stock					12/20/2018				F	F 770 <sup>(8)</sup>			D	\$3	2.91	177,397(2)		D	
		Ta									sed of, onvertib					wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	n Date,	4. Transa Code (I 8)		of E		6. Date Exercis Expiration Dat (Month/Day/Ye		е	7. Title and Amount of Securities Underlying Derivative Security (Instrand 4)		I	Deri Sec (Inst	rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
Fronta :	of Respons				Code	V (A)		(D)	Date Exercisa		Expiration Date	Amou or Numb of Title Share		mber					

## **Explanation of Responses:**

- 1. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/17/2014. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/19/2014.
- 2. Shares reported include unvested Restricted Stock Units (RSUs) and Performance Stock Units (PSUs).
- 3. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/14/2016. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/16/2016.
- 4. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/15/2015. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/17/2015
- 5. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a restricted stock unit (RSU) award agreement dated 12/12/2017. Acquisition of the RSU was previously reported in Table I of reporting person's Form 4 on 12/14/2017.
- 6. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a performance stock unit (PSU) award agreement dated 12/15/2015. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/16/2016.
- 7. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a performance stock unit (PSU) award agreement dated 12/14/2016. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/14/2017.
- 8. Represents shares withheld to cover payment of the tax liabilities of the reporting person related to a performance stock unit (PSU) award agreement dated 12/12/2017. The earning of the PSU was previously reported on Table I of reporting person's Form 4 on 12/20/2018.

By: Michelle Rankin For: James A. Frodsham

12/26/2018

\*\* Signature of Reporting Person

Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.