

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 10-Q

/ x/ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended December 31, 1993

OR

/ / TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number 1-5828

CARPENTER TECHNOLOGY CORPORATION

-----  
(Exact name of Registrant as specified in its Charter)

DELAWARE

23-0458500

-----  
(State or other jurisdiction of  
incorporation or organization)

-----  
(I.R.S. Employer  
Identification No.)

101 West Bern Street, Reading, Pennsylvania 19612-4662

-----  
(Address of principal executive offices) (Zip Code)

215-208-2000

-----  
(Registrant's telephone number, including area code)

Indicate by check mark whether the registrant (1) has filed  
all reports required to be filed by Section 13 or 15(d) of the  
Securities Exchange Act of 1934 during the preceding 12 months  
(or for such shorter period that the registrant was required to  
file such reports), and (2) has been subject to such filing  
requirements for the past 90 days.

Yes X No  
--- ---

Indicate the number of shares outstanding of each of the issuer's  
classes of common stock as of December 31, 1993.

Common stock, \$5 par value	8,009,955
-----	-----
Class	Number of shares outstanding

The Exhibit Index appears on page E-1.

CARPENTER TECHNOLOGY CORPORATION

FORM 10-Q

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PART I CARPENTER TECHNOLOGY CORPORATION AND SUBSIDIARIES  
CONSOLIDATED BALANCE SHEET

December 31 and June 30, 1993

ASSETS	In Thousands	
	December 31 1993	June 30 1993
	----- (Unaudited)	-----
Current assets:		
Cash and cash equivalents	\$ 18,047	\$ 45,822
Accounts receivable	75,815	90,426
Inventories	80,949	70,590
Deferred income taxes	-	2,737
Other current assets	8,395	7,120
	-----	-----
Total current assets	183,206	216,695
	-----	-----
Property, plant and equipment, at cost	719,169	699,269
Less accumulated depreciation and amortization	320,984	308,140
	-----	-----
	398,185	391,129
	-----	-----
Prepaid pension cost	66,386	61,602
	-----	-----
Investment in joint venture	47,072	-
	-----	-----
Other assets	41,920	30,139
	-----	-----

Total assets	\$736,769	\$699,565
	=====	=====

See accompanying notes to financial statements.

CARPENTER TECHNOLOGY CORPORATION AND SUBSIDIARIES  
CONSOLIDATED BALANCE SHEET

December 31 and June 30, 1993

	In Thousands	
	December 31	June 30
LIABILITIES	1993	1993
	-----	-----
	(Unaudited)	
Current liabilities:		
Short-term debt	\$ 11,589	\$ -
Accounts payable	31,454	24,328
Accrued compensation	9,591	14,457
Accrued income taxes	5,197	2,080
Deferred income taxes	3,046	-
Other accrued liabilities	30,598	25,951
Current portion of long-term debt	15,619	6,617
	-----	-----
Total current liabilities	107,094	73,433
	-----	-----
Long-term debt, net of current portion	176,826	189,895
	-----	-----
Accrued postretirement benefits	146,392	143,876
	-----	-----
Deferred income taxes	69,218	66,765
	-----	-----
Other liabilities	16,760	7,135
	-----	-----
SHAREHOLDERS' EQUITY		
Preferred Stock, \$5 par value - authorized 2,000,000 shares; issued 460.7 shares at December 31, 1993 and 461.2 shares at June 30, 1993	29,095	29,128
Deferred Compensation	(26,301)	(27,431)
Common stock, \$5 par value - authorized 50,000,000 shares; issued 9,532,539 shares at December 31, 1993 and 9,508,355 shares at June 30, 1993	47,662	47,542
Capital in excess of par value	47,182	46,131
Reinvested earnings	188,991	189,241
Common stock in treasury, at cost - 1,522,584 shares	(66,150)	(66,150)
	-----	-----
Total shareholders' equity	220,479	218,461
	-----	-----
Total liabilities & shareholders' equity	\$736,769	\$699,565
	=====	=====

See accompanying notes to financial statements.

CARPENTER TECHNOLOGY CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENT OF INCOME  
(Unaudited)

for the Three and Six Months Ended December 31, 1993 and 1992

	Three Months		Six Months	
	1993	1992	1993	1992
(in thousands, except per share data)				
Net Sales	\$147,127	\$123,026	\$276,556	\$262,412
Costs and expenses:				
Cost of sales	108,088	94,891	205,347	205,169
Selling and administrative expenses	22,812	20,687	43,820	41,083
Interest expense	4,178	4,916	9,214	10,241
Other income	(88)	(472)	(713)	(1,245)
	134,990	120,022	257,668	255,248
Income before income taxes and cumulative effect of changes in accounting principles	12,137	3,004	18,888	7,164
Income taxes	4,777	1,090	8,756	2,598
Income before cumulative effect of changes in accounting principles	7,360	1,914	10,132	4,566
Cumulative effect of changes in accounting principles	-	-	-	(74,676)
Net income (loss)	\$ 7,360	\$ 1,914	\$ 10,132	\$ (70,110)
Weighted average common shares	8,032	7,965	8,019	8,057
Earnings per common share before cumulative effect of changes in accounting principles	\$ .86	\$ .19	\$ 1.16	\$ .47
Cumulative effect of changes in accounting principles	-	-	-	(9.32)
Earnings (loss) per common share	\$ .86	\$ .19	\$ 1.16	\$ (8.85)
Dividends per common share	\$ .60	\$ .60	\$ 1.20	\$ 1.20

See accompanying notes to financial statements.

CARPENTER TECHNOLOGY CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENT OF CASH FLOWS  
(Unaudited)

for the Six Months Ended December 31, 1993 and 1992

	1993	1992
(in thousands)		
OPERATIONS		
Net income (loss)	\$ 10,132	\$ (70,110)
Adjustments to reconcile net income (loss) to net cash provided from operations:		
Depreciation and amortization	14,374	13,261
Deferred income taxes	2,714	793
Pension credits	(6,147)	(5,789)
Cumulative effect of changes in accounting principles	-	74,676
Changes in working capital and other:		
Receivables	18,960	15,241
Inventories	2,040	22,386
Other assets and liabilities, net	18,429	(15,782)

Net cash provided from operations	60,502	34,676
INVESTING ACTIVITIES		
Investment in joint venture	(47,072)	-
Acquisition of wholly-owned subsidiaries, net of cash received	(22,200)	-
Purchases of plant and equipment	(15,179)	(11,331)
Disposals of plant and equipment	691	138
Net cash used for investing activities	(83,760)	(11,193)
FINANCING ACTIVITIES		
Provided by short-term debt	8,794	-
Payments on long-term debt	(4,067)	(3,707)
Payments to acquire treasury stock	-	(11,633)
Proceeds from issuance of stock	1,138	38
Dividends paid	(10,382)	(10,507)
Net cash required by financing activities	(4,517)	(25,809)
DECREASE IN CASH AND CASH EQUIVALENTS		
Cash and cash equivalents at beginning of period	45,822	9,321
Cash and cash equivalents at end of period	\$ 18,047	\$ 6,995
Supplemental Data:		
Interest payments	\$ 9,277	\$ 10,261
Income tax payments (net of refunds)	\$ 2,768	\$ 2,641

See accompanying notes to financial statements.

#### NOTES TO FINANCIAL STATEMENTS

##### 1. Basis of Presentation

The accompanying unaudited consolidated financial statements have been prepared in accordance with the instructions to Form 10-Q and do not include all of the information and footnotes required by generally accepted accounting principles for complete financial statements. In the opinion of management, all adjustments (consisting only of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the six months ended December 31, 1993, are not necessarily indicative of the results that may be expected for the year ending June 30, 1994. For further information, refer to the consolidated financial statements and footnotes included in the Company's 1993 Annual Report to Shareholders.

The June 30, 1993 condensed balance sheet data was derived from audited financial statements, but does not include all disclosures required by generally accepted accounting principles.

##### 2. Earnings Per Common Share

Primary earnings per common share are computed by dividing net income less preferred dividends net of tax benefits by the weighted average number of common shares and common share equivalents outstanding during the period.

##### 3. Inventories

December 31	June 30
1993	1993

(in thousands)

Finished	\$ 97,598	\$ 97,129
Work in process	84,092	80,072
Raw materials and supplies	30,942	31,472
	-----	-----
Total at June 30, 1993 cost	212,632	208,673
Less excess of June 30, 1993 cost over LIFO values	131,683	138,083
	-----	-----
	\$ 80,949	\$ 70,590
	=====	=====

Inventories at December 31, 1993 include finished inventory of Aceros Fortuna, S.A. de C.V., a Mexican steel distribution company, acquired by the Company during the six months ended December 31, 1993. This company's inventories are valued using the FIFO method.

The cost of LIFO-valued inventories at June 30, 1993 costs was \$181,975,000 at December 31, 1993 and \$192,743,000 at June 30, 1993. Reduction in LIFO-valued inventories resulted in an increase in net income of approximately

### 3. Inventories, continued

-----  
\$1,500,000 or \$.19 per share and \$3,600,000 or \$.45 per share for the three and six months ended December 31, 1993, respectively, and approximately \$300,000 or \$.04 per share and \$600,000 or \$.08 per share for the three and six months ended December 31, 1992, respectively.

### 4. Investment in Joint Venture

-----  
On September 2, 1993, the Company acquired, for \$45,000,000 in cash, 19 percent of the shares of Walsin-Cartech Specialty Steel Corporation, a joint venture with Walsin Lihwa Corporation in Taiwan. The joint venture is in the process of constructing a facility in Taiwan to manufacture and distribute specialty steel. The Company has an option to acquire up to an additional 16 percent of the outstanding shares of the venture from Walsin Lihwa at anytime until July 1, 1996. Alternatively, the Company may require Walsin Lihwa to purchase its 19 percent ownership for the original purchase cost at anytime up to July 1, 1997. This investment is being accounted for using the equity method of accounting. The investment account has been increased for interest costs capitalized during the preoperating period totaling \$1,200,000 and \$1,570,000, respectively, for the three and six months ended December 31, 1993, and for certain acquisition expenses.

A separate agreement also provides for the Company to provide marketing and technical assistance to the joint venture in exchange for an initial lump sum royalty payment of \$10,000,000, received in October 1993, and continuing royalties based on sales over the 10-year term of the agreement. The initial lump sum royalty has been deferred and is being recognized as income over the term of the agreement.

### 5. Acquisition of Wholly-Owned Subsidiaries

-----  
On July 28, 1993, the Company acquired all of the outstanding shares of Aceros Fortuna, S.A. de C.V., a Mexican steel distribution company, and two affiliated companies for cash of \$20,400,000. In addition, the Company paid \$2,500,000 for agreements not to compete, and acquired equipment from an affiliated company in Mexico for \$5,100,000.

The acquisition has been accounted for using the purchase method of accounting, and accordingly, the purchase price has been allocated to the assets purchased and the liabilities assumed based upon the preliminary estimated fair values at the date of acquisition. The excess of

purchase price over the preliminary estimated fair values of the net assets acquired approximated \$7,000,000 and has been recorded as goodwill, which is being amortized over 20 years.

5. Acquisition of Wholly-Owned Subsidiaries, continued  
-----

The operating results of these acquired businesses have been included in the Consolidated Statement of Income from the date of acquisition. On the basis of a pro forma combination of the results of operations as if the acquisition had taken place at the beginning of the fiscal year 1993 rather than at July 28, 1993, combined net sales would have been \$279,200,000 for the six months ended December 31, 1993, and \$131,200,000 and \$279,700,000 for the three and six months ended December 31, 1992, respectively. Combined pro forma net income and earnings per share, before the cumulative effect of accounting changes, would not have been materially different from the reported amounts for the three and six months ended December 31, 1993 and 1992. Such pro forma amounts are not necessarily indicative of what the actual combined results of operations might have been if the acquisition had been effective at the beginning of fiscal 1993.

6. Changes in Accounting Principles  
-----

During the fourth quarter of fiscal 1993, the Company adopted, retroactive to July 1, 1992, two new financial accounting standards, "Employers' Accounting for Postretirement Benefits Other than Pensions" (SFAS 106) and "Accounting for Income Taxes" (SFAS 109).

SFAS 106 requires companies to accrue the cost of postretirement benefits over the years employees provide services to the date of their full eligibility for such benefits. Previously, these costs were expensed as claims were incurred. The Company elected to immediately recognize the transition obligation for benefits earned as of July 1, 1992, resulting in a non-cash charge of \$146,802,000 pre-tax (\$87,113,000 after tax or \$10.87 per share), representing the cumulative effect of the change in accounting.

SFAS 109 changes the method of accounting for income taxes from the deferral method to the asset/liability method. Under this method, deferred income taxes are determined based on enacted tax laws and rates, which are applied to the differences between the financial statement bases and tax bases of assets and liabilities. The adoption of this statement resulted in a credit to income of \$12,437,000 (\$1.55 per share) principally for the cumulative effect of restating deferred taxes as of July 1, 1992 to current tax rates.

Results for the three and six months ended December 31, 1992 have been restated to include the effects of these accounting changes which reduced income before income taxes by \$1,800,000 and \$3,500,000 and income before the cumulative effect of accounting changes by \$1,200,000 or \$.14 per share and \$2,300,000 or \$.28 per share, respectively.

7. Subsequent Events - Debt Arrangements  
-----

In January 1994, the Company entered into a \$150,000,000 financing arrangement with a number of banks, providing for the availability of \$125,000,000 of revolving credit to January 1998 and lines of credit of \$25,000,000. Interest is based on short-term market rates or competitive bids. This financing arrangement replaces the previous revolving credit and lines of credit arrangement.

The Company has announced that on March 1, 1994, it will redeem the entire outstanding principal amount of \$55,300,000 of its 12-7/8% sinking fund debentures due 2014. The redemption price for the 12-7/8% debentures will be \$1,061.62 per \$1,000 of principal amount consisting of the principal amount and a redemption premium. The premium paid for the redemption will result in an extraordinary charge of approximately \$1,900,000 after taxes (\$.24 per share) in the Company's third fiscal quarter ending March 31, 1994. The debentures are being redeemed to reduce future interest costs.

Funding for the redemption will come from the Company's current credit facilities or through the issuance of Medium-Term Notes. On December 21, 1993, the Company filed a shelf registration statement (effective January 6, 1994) with the Securities and Exchange Commission for the issuance of up to \$100,000,000 of Medium-Term Notes.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF RESULTS OF OPERATIONS  
-----

Second Quarter Results:  
-----

Net income for the quarter ended December 31, 1993 was \$7.4 million or \$.86 per share versus \$1.9 million or \$.19 per share in the same quarter a year ago. The improved results were primarily due to higher sales volume and LIFO inventory accounting effects.

Sales revenues were \$147.1 million, a 20 percent increase over year-earlier sales. Approximately two-thirds of the increase resulted from improved sales volume of the Steel Division offset by selling price reductions and a leaner product mix. The balance of the higher sales resulted from the inclusion of the sales of Aceros Fortuna, a Mexican steel distribution subsidiary, acquired in July 1993.

Cost of sales as a percent of net sales decreased from 77 percent in last year's second fiscal quarter to 73 percent in the current year's second quarter. This improved cost level was due primarily to lower inventory levels and the use of the LIFO inventory valuation method which reduced costs by \$2.5 million before taxes in the December 1993, quarter and by \$.6 million last year's December quarter. In addition, raw material costs were 13 percent lower than a year ago and additional efficiencies were achieved in manufacturing costs.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF RESULTS OF OPERATIONS  
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(continued)

Six Months Results:  
-----

Net income for the six months ended December 31, 1993 was \$10.1 million or \$1.16 per share versus \$4.6 million or \$.47 per share a year ago.

Sales revenues increased by 5 percent to \$276.6 million due to the inclusion of Aceros Fortuna operations and to a 9 percent unit volume improvement of the Steel Division. These effects were partially offset by unit selling price reductions and a leaner product mix in domestic operations.

Cost of sales were 74 percent of sales in the current fiscal year versus 78 percent a year ago. The favorable LIFO accounting effects were \$5.8 million before taxes in the six months ended December 31, 1993 and \$1.1 million in the same period a year ago. Raw material costs were lower by approximately 19 percent versus those of a year ago.



Earnings for the most recent six month period were adversely affected by a one-time charge of \$1.4 million, or \$.19 per share in the September 1993 quarter, to increase deferred tax liabilities for the recently enacted change in the corporate income tax rate.

PART II - OTHER INFORMATION

-----  
Item 1. Legal Proceedings.  
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There are no material pending legal proceedings to which the Company is a party or of which its property is subject. There are no material proceedings to which any Director, Officer, or affiliate of the Company, or any owner of more than five percent of any class of voting securities of the Company, or any associate of any Director, Officer, affiliate, or security holder of the Company, is a party or has a material interest adverse to the Company's interest. There are no material proceedings with environmental issues which involve a claim for damages, potential sanctions or capital expenditures exceeding ten percent of the current assets of the Company or which involve potential monetary sanctions in excess of \$100,000.

Item 2. Changes in Securities.  
-----

There has been no material modification of any class of registered securities, except for a registration statement on Form S-3 (Registration No. 33-51613) filed on December 21, 1993 with respect to the issuance of up to \$100,000,000 of unsecured medium term notes which registration statement became effective on January 6, 1994.

Item 4. Submission of Matters to a Vote of Security Holders.  
-----

The Annual Meeting of Stockholders of the Company was held on October 25, 1993. Set forth below is a description of the matters voted upon and the number of votes cast for, against or withheld, as well as the number of abstentions and broker nonvotes, as applicable to each such matter.

1. Election Of Directors. The following five directors were elected to the Board of Directors of the Company. There were no other nominees for director.

A. Dennis M. Draeger  
Shares voted for: 6,907,741  
Shares withheld: 198,779  
Abstentions: N/A  
Broker nonvotes: N/A

B. Carl R. Garr  
Shares voted for: 6,885,068  
Shares withheld: 221,452  
Abstentions: N/A  
Broker nonvotes: N/A

C. Marlin Miller, Jr.  
Shares voted for: 6,908,026  
Shares withheld: 198,494  
Abstentions: N/A  
Broker nonvotes: N/A

D. Marcus C. Bennett  
Shares voted for: 6,902,728  
Shares withheld: 203,792  
Abstentions: N/A  
Broker nonvotes: N/A

E. Mylle H. Bell  
Shares voted for: 6,900,577  
Shares withheld: 205,943  
Abstentions: N/A  
Broker nonvotes: N/A

2. The accounting firm of Coopers & Lybrand was elected independent accountants for the year ending June 30, 1994.

Shares voted for: 7,000,731  
Shares voted against: 60,331  
Abstentions: 45,458  
Broker nonvotes: N/A

3. A stock-based incentive compensation plan for officers and key employees was approved. The plan succeeds a previous plan adopted by shareholders in 1977.

Shares voted for: 4,166,594  
Shares voted against: 1,987,771  
Abstentions: 295,391  
Broker nonvotes: 656,764

Item 5. Other Information.

-----  
On January 25, 1994 the Company sent notice to the holders of its 12-7/8% Debentures Due 2014 ("Debentures") that the Company will redeem the full outstanding balance of such Debentures in the principal amount of \$55.3 million on March 1, 1994. The redemption price will be at a premium over par equal to \$1,061.62 per \$1,000 of principal amount of the Debentures. The redemption will result in an extraordinary charge of \$1.9 million after taxes (\$.24 per share) to be taken in the quarter ending March 31, 1994. The redemption will be made to reduce future interest costs.

Item 6. Exhibits and Reports on Form 8-K.

- a. The following documents are filed as exhibits:

4. Instruments defining the rights of security holders, including indentures

A. Indenture dated January 12, 1994 between the Company and Morgan Guaranty Trust Company of New York, as Trustee, related

to the Company's \$100,000,000 of unsecured medium term notes registered under Registration No. 33-51613.

11. Statement regarding computation of per share earnings.

23. Additional Exhibits.

A. Press release dated January 25, 1994.

b. The Company filed no Reports on Form 8-K for events occurring during the quarter of the fiscal year covered by this report.

Item 3 is omitted as the answer is negative or the item is not applicable.

SIGNATURES

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Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

CARPENTER TECHNOLOGY CORPORATION  
(Registrant)

Date: February 10, 1994

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s/G. Walton Cottrell

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G. Walton Cottrell  
Sr. Vice President - Finance  
and Chief Financial Officer





EXHIBIT INDEX

Exhibit No. -----	Title -----	Page -----
4.	Instruments Defining Rights of Security Holders, Including Indentures	
	A. Indenture dated January 12, 1994 between the Company and Morgan Guaranty Trust Company of New York, as Trustee, related to the Company's \$100,000,000 of unsecured medium term notes registered under Registration No. 33-51613.	E-2
11.	Statement regarding computation of per share earnings.	E-83
23.	Additional Exhibits.	
	A. Press release dated January 25, 1994.	E-84

CARPENTER TECHNOLOGY CORPORATION

TO

MORGAN GUARANTY TRUST COMPANY OF NEW YORK,

Trustee

INDENTURE

DATED AS OF JANUARY 12, 1994

CERTAIN SECTIONS OF THIS INDENTURE RELATING TO SECTIONS 310 THROUGH 318,  
INCLUSIVE, OF THE TRUST INDENTURE ACT OF 1939:

TRUST INDENTURE ACT SECTION	INDENTURE SECTION
Section 310 (a) (1) . . . . .	609
(a) (2) . . . . .	609
(a) (3) . . . . .	Not Applicable
(a) (4) . . . . .	Not Applicable
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NOTE: This reconciliation and tie shall not, for any purpose, be deemed to be a part of the Indenture.

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INDENTURE, dated as of January 12, 1994, between CARPENTER TECHNOLOGY CORPORATION, a corporation duly organized and existing under the laws of the State of Delaware (herein called the "Company"), having its principal office at 101 West Bern Street, Reading, Pennsylvania and MORGAN GUARANTY TRUST COMPANY OF NEW YORK, a banking corporation duly organized and existing under the laws of the State of New York, as Trustee (herein called the "Trustee").

RECITALS OF THE COMPANY

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its unsecured debentures, notes or other evidences of indebtedness (herein called the "Securities"), to be issued in one or more series as in this Indenture provided.

All things necessary to make this Indenture a valid agreement of the Company, in accordance with its terms, have been done.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Securities by the Holders thereof, it is mutually agreed, for the equal and proportionate benefit of all Holders of the Securities or of series thereof, as follows:

ARTICLE ONE

DEFINITIONS AND OTHER PROVISIONS  
OF GENERAL APPLICATION

SECTION 101. Definitions.

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

(1) the terms defined in this Article have the meanings assigned to them in this Article and include the plural as well as the singular;

(2) all other terms used herein which are defined in the Trust Indenture Act, either directly or by reference therein, have the meanings assigned to them therein;

(3) all accounting terms not otherwise defined herein have the meaning assigned to them in accordance with generally accepted accounting principles, and, except as otherwise herein expressly provided, the term 'generally accepted accounting principles' with

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respect to any computation required or permitted hereunder shall mean such accounting principles as are generally accepted at the date of this instrument;

(4) unless the context otherwise requires, any reference to an 'Article' or a 'Section' refers to an Article or a Section, as the case may be, of this Indenture; and

(5) the words 'herein', 'hereof' and 'hereunder' and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

'Act', when used with respect to any Holder, has the meaning specified in Section 104.

'Affiliate' of any specified Person means any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, 'control' when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities, by contract or otherwise; and the terms 'controlling' and 'controlled' have meanings correlative to the foregoing.

'Attributable Debt' means, as to any particular lease under which any Person is at the time liable and at any date as of which the amount thereof is to be determined, the total net amount of rent required to be paid by such person under such lease during the remaining primary term thereof, discounted from the respective due dates thereof to such date at the same rate per annum as the rate of interest borne by the Outstanding Securities, on a weighted average basis. The net amount of rent required to be paid under any such lease for any such period shall be the aggregate amount of the rent payable by the lessee with respect to such period after excluding amounts required to be paid on account of maintenance and repairs, insurance, taxes, assessments, water rates and similar charges. In the case of any lease which is terminable by the lessee upon the payment of a penalty, such net amount shall also include the amount of such penalty, but no rent shall be considered as required to be paid under such lease subsequent to the first date upon which it may be so terminated.

'Authenticating Agent' means any Person authorized by the Trustee pursuant to Section 614 to act on behalf of the Trustee to authenticate Securities of one or more series.

'Board of Directors' means either the board of directors of the Company or committee of that board duly authorized to act for it in respect hereof.

'Board Resolution' means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee.

"Business Day", when used with respect to any Place of Payment, means each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in that Place of Payment are authorized or obligated by law or executive order to close.

"Capital Stock", as applied to the stock of any corporation, means the capital stock of every class whether now or hereafter authorized, regardless of whether such capital stock shall be limited to a fixed sum or percentage with respect to the rights of the holders thereof to participate in dividends and in the distribution of assets upon the voluntary or involuntary liquidation, dissolution or winding up of such corporation.

"Commission" means the Securities and Exchange Commission, from time to time constituted, created under the Exchange Act or, if at any time after the execution of this instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties at such time.

"Company" means the Person named as the "Company" in the first paragraph of this instrument until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Company" shall mean such successor Person.

"Company Request" or "Company Order" means a written request or order signed in the name of the Company by its Chairman of the Board, its Vice Chairman of the Board, its President or a Vice President, and by its Treasurer, an Assistant Treasurer, its Secretary or an Assistant Secretary, and delivered to the Trustee.

"Consolidated Net Tangible Assets" means the aggregate amount of assets (less applicable reserves and other properly deductible items) after deducting therefrom (i) all liabilities other than (a) deferred income taxes, (b) Funded Debt and (c) shareholders' equity (including all preferred stock whether or not redeemable) and (ii) all goodwill, trade names, trademarks, patents, organization expenses and other like intangibles, all as set forth on the most recent balance sheet of the Company and its consolidated Subsidiaries and computed in accordance with generally accepted accounting principles.

"Corporate Trust Office" means the principal office of the Trustee in New York, New York at which at any particular time its corporate trust business shall be administered.

"Corporation" means a corporation, association, company, joint-stock company or business trust.

"Covenant Defeasance" has the meaning specified in Section 1303.

"Defaulted Interest" has the meaning specified in Section 307.

"Defeasance" has the meaning specified in Section 1302.

"Depository" means, with respect to Securities of any series issuable in whole or in part in the form of one or more Global Securities, a clearing agency registered under the Exchange Act that is designated to act as Depository for such Securities as contemplated by Section 301.

"Event of Default" has the meaning specified in Section 501.

"Exchange Act" means the Securities Exchange Act of 1934 and any statute successor thereto, in each case as amended from time to time.

'Expiration Date' has the meaning specified in Section 104.

'Funded Debt' means (i) all indebtedness for money borrowed having a maturity of more than 12 months from the date as of which the determination is made or having a maturity of 12 months or less but by its terms being renewable or extendible beyond 12 months from such date at the option of the borrower and (ii) rental obligations payable more than 12 months from such date under leases which are capitalized in accordance with generally accepted accounting principles (such rental obligations to be included as Funded Debt at the amount so capitalized at the date of such computation and to be included for the purposes of the definition of Consolidated Net Tangible Assets both as an asset and as Funded Debt at the respective amounts so capitalized).

'Global Security' means a Security that evidences all or part of the Securities of any series and bears the legend set forth in Section 204 (or such legend as may be specified as contemplated by Section 301 for such Securities).

'Holder' means a Person in whose name a Security is registered in the Security Register.

'Indenture' means this instrument as originally executed and as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof, including, for all purposes of this instrument and any such supplemental indenture, the provisions of the Trust Indenture Act that are deemed to be a part of and govern this instrument and any such supplemental indenture, respectively. The term 'Indenture' shall also include the terms of particular series of Securities established as contemplated by Section 301.

'Interest', when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity.

'Interest Payment Date', when used with respect to any Security, means the Stated Maturity of an instalment of interest on such Security.

'Investment Company Act' means the Investment Company Act of 1940 and any statute successor thereto, in each case as amended from time to time.

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'Maturity', when used with respect to any Security, means the date on which the principal of such Security or an instalment of principal becomes due and payable as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, call for redemption or otherwise.

'Notice of Default' means a written notice of the kind specified in Section 501(4) or 501(5).

'Officers' Certificate' means a certificate signed by the Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President, and by the Treasurer, an Assistant Treasurer, the Secretary or an Assistant Secretary, of the Company, and delivered to the Trustee. One of the officers signing an Officers' Certificate given pursuant to Section 1004 shall be the principal executive, financial or accounting officer of the Company.

'Opinion of Counsel' means a written opinion of counsel, who may be an employee of or counsel for the Company, or other counsel acceptable to the Trustee.

'Original Issue Discount Security' means any Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502.

'Outstanding', when used with respect to Securities, means, as of the date of determination, all Securities theretofore authenticated and delivered under this Indenture, except:

(1) Securities theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(2) Securities for whose payment or redemption money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Securities; provided that, if such Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made;

(3) Securities as to which Defeasance has been effected pursuant to Section 1302; and

(4) Securities which have been paid pursuant to Section 306 or in exchange for or in lieu of which other Securities have been authenticated and delivered pursuant to this Indenture, other than any such Securities in respect of which there shall have been presented to the Trustee proof satisfactory to it that such Securities are held by a bona fide purchaser in whose hands such Securities are valid obligations of the Company;

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provided, however, that in determining whether the Holders of the requisite principal amount of the Outstanding Securities have given, made or taken any request, demand, authorization, direction, notice, consent, waiver or other action hereunder as of any date, (A) the principal amount of an Original Issue Discount Security which shall be deemed to be Outstanding shall be the amount of the principal thereof which would be due and payable as of such date upon acceleration of the Maturity thereof to such date pursuant to Section 502, (B) if, as of such date, the principal amount payable at the Stated Maturity of a Security is not determinable, the principal amount of such Security which shall be deemed to be Outstanding shall be the amount as specified or determined as contemplated by Section 301, (C) the principal amount of a Security denominated in one or more foreign currencies or currency units which shall be deemed to be Outstanding shall be the U.S. dollar equivalent, determined as of such date in the manner provided as contemplated by Section 301, of the principal amount of such Security (or, in the case of a Security described in Clause (A) or (B) above, of the amount determined as provided in such Clause), and (D) Securities owned by the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in relying upon any such request, demand, authorization, direction, notice, consent, waiver or other action, only Securities which the Trustee knows to be so owned shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Company or any other obligor upon the Securities or any Affiliate of the Company or of such other obligor.

'Paying Agent' means any Person authorized by the Company to pay the principal of or any premium or interest on any Securities on behalf of the Company.

'Person' means any individual, corporation, partnership, joint venture, trust, unincorporated organization or government or any agency or political subdivision thereof or any other entity.

'Place of Payment', when used with respect to any Security, means the place or places where the principal of and any premium and interest on that Security are payable as specified pursuant to this Indenture.

'Predecessor Security' of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 306 in exchange for or in lieu of a mutilated, destroyed, lost or stolen Security

shall be deemed to evidence the same debt as the mutilated, destroyed, lost or stolen Security.

'Principal Property' means any manufacturing or processing plant or warehouse owned at the date of the Indenture or thereafter acquired by the Company or any Restricted Subsidiary of the Company which is located within the United States of America and the gross book value (including related land and improvements thereon and all machinery and equipment included therein

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without deduction of any depreciation reserves) of which on the date as of which the determination is being made exceeds 2% of Consolidated Net Tangible Assets, other than (i) any property which in the opinion of the Company's Board of Directors is not of material importance to the total business conducted by the Company as an entirety or (ii) any portion of a particular property which is similarly found not to be of material importance to the use or operation of such property.

'Redemption Date', when used with respect to any Security to be redeemed, means the date fixed for such redemption by or pursuant to this Indenture.

'Redemption Price', when used with respect to any Security to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

'Regular Record Date' for the interest payable on any Interest Payment Date on the Securities of any series means the date specified for that purpose pursuant to this Indenture.

'Responsible Officer', when used with respect to the Trustee, means any officer of the Trustee assigned by it to administer its corporate trust matters.

'Restricted Subsidiary' means a Subsidiary of the Company (i) substantially all the property of which is located, or substantially all the business of which is carried on, within the United States of America and (ii) which owns a Principal Property.

'Securities' has the meaning stated in the first recital of this Indenture and more particularly means any Securities authenticated and delivered under this Indenture.

'Securities Act' means the Securities Act of 1933 and any statute successor thereto, in each case as amended from time to time.

'Security Register' and 'Security Registrar' have the respective meanings specified in Section 305.

'Special Record Date' for the payment of any Defaulted Interest means a date fixed by the Trustee pursuant to Section 307.

'Stated Maturity', when used with respect to any Security or any installment of principal thereof or interest thereon, means the date specified in such Security as the fixed date on which the principal of such Security or such instalment of principal or interest is due and payable.

'Subsidiary' means any corporation more than 50% of the outstanding voting stock of which is owned or controlled, directly or indirectly, by (i) the Company, (ii) the Company and one or more Subsidiaries or (iii) one or more Subsidiaries. For the purposes of this definition, "voting stock" means stock which ordinarily has voting power for the election of directors, whether at all times or only so long as no senior class has such voting power by reason of any contingency.



'Trust Indenture Act' means the Trust Indenture Act of 1939 as in force at the date as of which this instrument was executed and any statute successor thereto, in each case as amended from time to time.

'Trustee' means the Person named as the 'Trustee' in the first paragraph of this instrument until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter 'Trustee' shall mean or include each Person who is then a Trustee hereunder, and if at any time there is more than one such Person, 'Trustee' as used with respect to the Securities of any series shall mean the Trustee with respect to Securities of that series.

'U.S. Government Obligation' has the meaning specified in Section 1304.

'Vice President', when used with respect to the Company, means any vice president, whether or not designated by a number or a word or words added before or after the title 'vice president'.

SECTION 102. Compliance Certificates and Opinions.

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee such certificates and opinions as may be required under the Trust Indenture Act. Each such certificate or opinion shall be given in the form of an Officers' Certificate, if to be given by an officer of the Company, or an Opinion of Counsel, if to be given by counsel, and shall comply with the requirements of the Trust Indenture Act and any other requirements set forth in this Indenture.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture (except for certificates provided for in Section 1004) shall include,

(1) a statement that each individual signing such certificate or opinion has read such covenant or condition and the definitions herein relating thereto;

(2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;

(3) a statement that, in the opinion of each such individual, he has made such examination or investigation as is necessary to enable him to express an informed opinion as to whether or not such covenant or condition has been complied with; and

(4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

SECTION 103. Form of Documents Delivered to Trustee.

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his certificate or opinion is based are

erroneous. Any such certificate or opinion of counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

SECTION 104. Acts of Holders; Record Dates.

Any request, demand, authorization, direction, notice, consent, waiver or other action provided or permitted by this Indenture to be given, made or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by agent duly appointed in writing; and, except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments are delivered to the Trustee and, where it is hereby expressly required, to the Company. Such instrument or instruments (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments. Proof of execution of any such instrument or of a writing appointing any such agent shall be sufficient for any purpose of this Indenture and (subject to Section 601) conclusive in favor of the Trustee and the Company, if made in the manner provided in this Section.

The fact and date of the execution by any Person of any such instrument or writing may be proved by the affidavit of a witness of such execution or by a certificate of a notary public or other officer authorized by law to take acknowledgments of deeds, certifying that the individual signing such instrument or writing acknowledged to him the execution thereof. Where such execution is by a signer acting in a capacity other than his individual capacity, such certificate or affidavit shall also constitute sufficient proof of his authority. The fact and date of the execution of any such instrument

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or writing, or the authority of the Person executing the same, may also be proved in any other manner which the Trustee deems sufficient.

The ownership of Securities shall be proved by the Security Register.

Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Security shall bind every future Holder of the same Security and the Holder of every Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, omitted or suffered to be done by the Trustee or the Company in reliance thereon, whether or not notation of such action is made upon such Security.

The Company may set any day as a record date for the purpose of determining the Holders of Outstanding Securities of any series entitled to give, make or take any request, demand, authorization, direction, notice, consent, waiver or other action provided or permitted by this Indenture to be given, made or taken by Holders of Securities of such series, provided that the Company may not set a record date for, and the provisions of this paragraph shall not apply with respect to, the giving or making of any notice, declaration, request or direction referred to in the next paragraph. If any record date is set pursuant to this paragraph, the Holders of Outstanding Securities of the relevant series on such record date, and no other Holders, shall be entitled to take the relevant action, whether or not such Holders remain Holders after such record date; provided that no such action shall be effective hereunder unless taken on or prior to the applicable Expiration Date by Holders of the requisite principal amount of Outstanding Securities of such series on such record date. Nothing in this paragraph shall be construed to prevent the Company from setting a new record date for any action for which a record date has previously been set pursuant to this paragraph (whereupon the

record date previously set shall automatically and with no action by any Person be cancelled and of no effect), and nothing in this paragraph shall be construed to render ineffective any action taken by Holders of the requisite principal amount of Outstanding Securities of the relevant series on the date such action is taken. Promptly after any record date is set pursuant to this paragraph, the Company, at its own expense, shall cause notice of such record date, the proposed action by Holders and the applicable Expiration Date to be given to the Trustee in writing and to each Holder of Securities of the relevant series in the manner set forth in Section 106.

The Trustee may set any day as a record date for the purpose of determining the Holders of Outstanding Securities of any series entitled to join in the giving or making of (i) any Notice of Default, (ii) any declaration of acceleration referred to in Section 502, (iii) any request to institute proceedings referred to in Section 507(2) or (iv) any direction referred to in Section 512, in each case with respect to Securities of such series. If any record date is set pursuant to this paragraph, the Holders of Outstanding Securities of such series on such record date, and no other Holders, shall be entitled to join in such notice, declaration, request or direction, whether or not such Holders remain Holders after such record date; provided that no such action shall be effective hereunder unless taken on or prior to the applicable Expiration Date by Holders of the requisite principal amount of Outstanding Securities of such series on such record date. Nothing in this paragraph shall be construed to prevent the Trustee from setting a new record date for any action for which a record

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date has previously been set pursuant to this paragraph (whereupon the record date previously set shall automatically and with no action by any Person be cancelled and of no effect), and nothing in this paragraph shall be construed to render ineffective any action taken by Holders of the requisite principal amount of Outstanding Securities of the relevant series on the date such action is taken. Promptly after any record date is set pursuant to this paragraph, the Trustee, at the Company's expense, shall cause notice of such record date, the proposed action by Holders and the applicable Expiration Date to be given to the Company in writing and to each Holder of Securities of the relevant series in the manner set forth in Section 106.

With respect to any record date set pursuant to this Section, the party hereto which sets such record date may designate any day as the 'Expiration Date' and from time to time may change the Expiration Date to any earlier or later day; provided that no such change shall be effective unless notice of the proposed new Expiration Date is given to the other party hereto in writing, and to each Holder of Securities of the relevant series in the manner set forth in Section 106, on or prior to the existing Expiration Date. If an Expiration Date is not designated with respect to any record date set pursuant to this Section, the party hereto which set such record date shall be deemed to have initially designated the 180th day after such record date as the Expiration Date with respect thereto, subject to its right to change the Expiration Date as provided in this paragraph. Notwithstanding the foregoing, no Expiration Date shall be later than the 180th day after the applicable record date.

Without limiting the foregoing, a Holder entitled hereunder to take any action hereunder with regard to any particular Security may do so with regard to all or any part of the principal amount of such Security or by one or more duly appointed agents each of which may do so pursuant to such appointment with regard to all or any part of such principal amount.

SECTION 105. Notices, Etc., to Trustee and Company.

Any request, demand, authorization, direction, notice, consent, waiver or Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder if made, given, furnished or filed in writing to or with the Trustee at its Corporate Trust Office, Attention: Corporate Trust Administration, or

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to the Company addressed to it at the address of its principal office specified in the first paragraph of this instrument or at any other address previously furnished in writing to the Trustee by the Company.

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SECTION 106. Notice to Holders; Waiver.

Where this Indenture provides for notice to Holders of any event, such notice shall be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each Holder affected by such event, at his address as it appears in the Security Register, not later than the latest date (if any), and not earlier than the earliest date (if any), prescribed for the giving of such notice. In any case where notice to Holders is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder shall affect the sufficiency of such notice with respect to other Holders. Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

In case by reason of the suspension of regular mail service or by reason of any other cause it shall be impracticable to give such notice by mail, then such notification as shall be made with the approval of the Trustee shall constitute a sufficient notification for every purpose hereunder.

SECTION 107. Conflict with Trust Indenture Act.

If any provision hereof limits, qualifies or conflicts with a provision of the Trust Indenture Act which is required under such Act to be a part of and govern this Indenture, the latter provision shall control. If any provision of this Indenture modifies or excludes any provision of the Trust Indenture Act which may be so modified or excluded, the latter provision shall be deemed to apply to this Indenture as so modified or to be excluded, as the case may be.

SECTION 108. Effect of Headings and Table of Contents.

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

SECTION 109. Successors and Assigns.

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

SECTION 110. Separability Clause.

In case any provision in this Indenture or in the Securities shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

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SECTION 111. Benefits of Indenture.

Nothing in this Indenture or in the Securities, express or implied,

shall give to any Person, other than the parties hereto and their successors hereunder and the Holders, any benefit or any legal or equitable right, remedy or claim under this Indenture.

SECTION 112. Governing Law.

This Indenture and the Securities shall be governed by and construed in accordance with the law of the State of New York.

SECTION 113. Legal Holidays.

In any case where any Interest Payment Date, Redemption Date or Stated Maturity of any Security shall not be a Business Day at any Place of Payment, then (notwithstanding any other provision of this Indenture or of the Securities (other than a provision of any Security which specifically states that such provision shall apply in lieu of this Section)) payment of interest or principal (and premium, if any) need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment with the same force and effect as if made on the Interest Payment Date or Redemption Date, or at the Stated Maturity.

ARTICLE TWO

SECURITY FORMS

SECTION 201. Forms Generally.

The Securities of each series shall be in substantially the form set forth in this Article, or in such other form as shall be established by or pursuant to a Board Resolution or one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon as may be required to comply with the rules of any securities exchange or Depository therefor or as may, consistently herewith, be determined by the officers executing such Securities, as evidenced by their execution thereof. If the form of Securities of any series is established by action taken pursuant to a Board Resolution or indenture supplemental hereto, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Securities.

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The definitive Securities shall be printed, lithographed or engraved on steel engraved borders or may be produced in any other manner, all as determined by the officers executing such Securities, as evidenced by their execution of such Securities.

SECTION 202. Form of Face of Security.

[Insert any legend required by the Internal Revenue Code and the regulations thereunder.]

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CARPENTER TECHNOLOGY CORPORATION

No. .... \$.....

Carpenter Technology Corporation, a corporation duly organized and existing under the laws of Delaware (herein called the 'Company', which term

includes any successor Person under the Indenture hereinafter referred to), for value received, hereby promises to pay to \_\_\_\_\_, or registered assigns, the principal sum of \_\_\_\_\_ Dollars on \_\_\_\_\_ [if the Security is to bear interest prior to Maturity, insert --, and to pay interest thereon from \_\_\_\_\_ or from the most recent Interest Payment Date to which interest has been paid or duly provided for, semi-annually on \_\_\_\_\_ and \_\_\_\_\_ in each year, commencing \_\_\_\_\_, at the rate of \_\_\_% per annum, until the principal hereof is paid or made available for payment [if applicable, insert --, provided that any principal and premium, and any such instalment of interest, which is overdue shall bear interest at the rate of \_\_\_% per annum (to the extent that the payment of such interest shall be legally enforceable), from the dates such amounts are due until they are paid or made available for payment, and such interest shall be payable on demand]. The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date will, as provided in such Indenture, be paid to the Person in whose name this Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest, which shall be the \_\_\_\_\_ or \_\_\_\_\_ (whether or not a Business Day), as the case may be, next preceding such Interest Payment Date. Any such interest not so punctually paid or duly provided for will forthwith cease to be payable to the Holder on such Regular Record Date and may either be paid to the Person in whose name this Security (or one or more Predecessor Securities) is registered at the close of business on a Special Record Date for the payment of such Defaulted Interest to be set by the Trustee, notice whereof shall be given to Holders of Securities of this series not less than 10 days prior to such Special Record Date, or be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Securities of this series may be listed, and upon such notice as may be required by such exchange, all as more fully provided in said Indenture].

[If the Security is not to bear interest prior to Maturity, insert --] The principal of this Security shall not bear interest except in the case of a default in payment of principal upon acceleration, upon redemption or at Stated Maturity and in such case the overdue principal and any overdue premium shall bear interest at the rate of \_\_\_% per annum (to the extent that the payment of such interest shall be legally enforceable), from the dates such amounts are due until they are paid or made available for payment. Interest on any overdue principal or premium shall be payable on demand. [Any such interest on overdue principal or premium which is not paid on demand shall bear interest at the rate of \_\_\_% per annum (to the extent that the payment of such interest on interest shall be

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legally enforceable), from the date of such demand until the amount so demanded is paid or made available for payment. Interest on any overdue interest shall be payable on demand.]]

Payment of the principal of (and premium, if any) and [if applicable, insert -- any such] interest on this Security will be made at the office or agency of the Company maintained for that purpose in \_\_\_\_\_, of the United States of America as at the time of payment is legal tender for payment of public and private debts [if applicable insert -- ; provided, however, that at the option of the Company payment of interest may be made by check mailed to the address of the Person entitled thereto as such address shall appear in the Security Register].

Reference is hereby made to the further provisions of this Security set forth on the reverse hereof, which further provisions shall for all purposes have the same effect as if set forth at this place.

Unless the certificate of authentication hereon has been executed by the Trustee referred to on the reverse hereof by manual signature, this Security shall not be entitled to any benefit under the Indenture or be valid or obligatory for any purpose.

In Witness Whereof, the Company has caused this instrument to be duly executed under its corporate seal.

Dated:

CARPENTER TECHNOLOGY CORPORATION

By \_\_\_\_\_

Attest:

\_\_\_\_\_

SECTION 203. Form of Reverse of Security.

This Security is one of a duly authorized issue of securities of the Company (herein called the 'Securities'), issued and to be issued in one or more series under an Indenture, dated as of \_\_\_\_\_ (herein called the 'Indenture', which term shall have the meaning assigned to it in such instrument), between the Company and \_\_\_\_\_, as Trustee (herein called the 'Trustee', which term includes any successor trustee under the Indenture), and reference is hereby made to the Indenture for a statement of the respective rights, limitations of rights, duties and immunities thereunder of the Company, the Trustee and the Holders of the Securities and of the terms upon which the Securities are, and are to be, authenticated and delivered. This Security is one

of the series designated on the face hereof [IF APPLICABLE, INSERT --, limited in aggregate principal amount to \$\_\_\_\_\_].

[If applicable, insert -- The Securities of this series are subject to redemption upon not less than 30 days' notice by mail, [(if applicable, insert - -- (1) on \_\_\_\_\_ in each year commencing with the year \_\_\_\_\_ and ending with the year \_\_\_\_\_ through operation of the sinking fund for this series at a Redemption Price equal to 100% of the principal amount, and (2)] at any time [IF APPLICABLE, INSERT -- on or after \_\_\_\_\_, 19\_\_], as a whole or in part, at the election of the Company, at the following Redemption Prices (expressed as percentages of the principal amount): If redeemed [IF APPLICABLE, INSERT -- on or before \_\_\_\_\_, \_\_\_% and if redeemed] during the 12-month period beginning \_\_\_\_\_ of the years indicated,

YEAR	REDEMPTION PRICE	YEAR	REDEMPTION PRICE
----	-----	----	-----

and thereafter at a Redemption Price equal to \_\_\_% of the principal amount, together in the case of any such redemption [if applicable, insert -- (whether through operation of the sinking fund or otherwise)] with accrued interest to the Redemption Date, but interest installments whose Stated Maturity is on or prior to such Redemption Date will be payable to the Holders of such Securities, or one or more Predecessor Securities, of record at the close of business on the relevant Record Dates referred to on the face hereof, all as provided in the Indenture.]

[If applicable, insert -- The Securities of this series are subject to redemption upon not less than 30 days' notice by mail, (1) on \_\_\_\_\_ in each year commencing with the year \_\_\_\_\_ and ending with the year \_\_\_\_\_ through operation of the sinking fund for this series at the Redemption Prices for redemption through operation of the sinking fund (expressed as percentages of the principal amount) set forth in the table below, and (2) at any time [IF APPLICABLE, INSERT -- on or after \_\_\_\_\_], as a whole or in part, at the election of the Company, at the Redemption Prices for redemption otherwise than through operation of the sinking fund (expressed as percentages of the

principal amount) set forth in the table below: If redeemed during the 12-month period beginning \_\_\_\_\_ of the years indicated,

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YEAR ----	REDEMPTION PRICE FOR REDEMPTION THROUGH OPERATION OF THE SINKING FUND -----	REDEMPTION PRICE FOR REDEMPTION OTHERWISE THAN THROUGH OPERATION OF THE SINKING FUND -----
--------------	--	--

and thereafter at a Redemption Price equal to \_\_\_\_% of the principal amount, together in the case of any such redemption (whether through operation of the sinking fund or otherwise) with accrued interest to the Redemption Date, but interest installments whose Stated Maturity is on or prior to such Redemption Date will be payable to the Holders of such Securities, or one or more Predecessor Securities, of record at the close of business on the relevant Record Dates referred to on the face hereof, all as provided in the Indenture.]

[IF APPLICABLE, INSERT -- Notwithstanding the foregoing, the Company may not, prior to \_\_\_\_\_, redeem any Securities of this series as contemplated by [IF APPLICABLE, INSERT -- Clause (2) of] the preceding paragraph as a part of, or in anticipation of, any refunding operation by the application, directly or indirectly, of moneys borrowed having an interest cost to the Company (calculated in accordance with generally accepted financial practice) of less than \_\_\_\_% per annum.]

[IF APPLICABLE, INSERT -- The sinking fund for this series provides for the redemption on \_\_\_\_\_ in each year beginning with the year \_\_\_\_\_ and ending with the year \_\_\_\_\_ of [IF APPLICABLE, INSERT -- not less than \$\_\_\_\_\_ ('mandatory sinking fund')] and not more than \$\_\_\_\_\_ aggregate principal amount of Securities of this series. Securities of this series acquired or redeemed by the Company otherwise than through [IF APPLICABLE, INSERT -- mandatory] sinking fund payments may be credited against subsequent [IF APPLICABLE, INSERT -- mandatory] sinking fund payments otherwise required to be made [IF APPLICABLE, INSERT --, in the inverse order in which they become due].]

[If the Security is subject to redemption of any kind, insert -- In the event of redemption of this Security in part only, a new Security or Securities of this series and of like tenor for the unredeemed portion hereof will be issued in the name of the Holder hereof upon the cancellation hereof.]

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[If applicable, insert -- The Indenture contains provisions for defeasance at any time of [the entire indebtedness of this Security] [or] [certain restrictive covenants and Events of Default with respect to this Security] [, in each case] upon compliance with certain conditions set forth in the Indenture.]

[If the Security is not an Original Issue Discount Security, insert -- If an Event of Default with respect to Securities of this series shall occur and be continuing, the principal of the Securities of this series may be declared due and payable in the manner and with the effect provided in the Indenture.]

[If the Security is an Original Issue Discount Security, insert -- If an Event of Default with respect to Securities of this series shall occur and



be continuing, an amount of principal of the Securities of this series may be declared due and payable in the manner and with the effect provided in the Indenture. Such amount shall be equal to -- insert formula for determining the amount. Upon payment (i) of the amount of principal so declared due and payable and (ii) of interest on any overdue principal, premium and interest (in each case to the extent that the payment of such interest shall be legally enforceable), all of the Company's obligations in respect of the payment of the principal of and premium and interest, if any, on the Securities of this series shall terminate.]

The Indenture permits, with certain exceptions as therein provided, the amendment thereof and the modification of the rights and obligations of the Company and the rights of the Holders of the Securities of each series to be affected under the Indenture at any time by the Company and the Trustee with the consent of the Holders of a majority in principal amount of the Securities at the time Outstanding of each series to be affected. The Indenture also contains provisions permitting the Holders of specified percentages in principal amount of the Securities of each series at the time Outstanding, on behalf of the Holders of all Securities of such series, to waive compliance by the Company with certain provisions of the Indenture and certain past defaults under the Indenture and their consequences. Any such consent or waiver by the Holder of this Security shall be conclusive and binding upon such Holder and upon all future Holders of this Security and of any Security issued upon the registration of transfer hereof or in exchange herefor or in lieu hereof, whether or not notation of such consent or waiver is made upon this Security.

As provided in and subject to the provisions of the Indenture, the Holder of this Security shall not have the right to institute any proceeding with respect to the Indenture or for the appointment of a receiver or trustee or for any other remedy thereunder, unless such Holder shall have previously given the Trustee written notice of a continuing Event of Default with respect to the Securities of this series, the Holders of not less than 25% in principal amount of the Securities of this series at the time Outstanding shall have made written request to the Trustee to institute proceedings in respect of such Event of Default as Trustee and offered the Trustee reasonable indemnity, and the Trustee shall not have received from the Holders of a majority in principal amount of Securities of this series at the time Outstanding a direction inconsistent with such request, and shall have failed to institute any such proceeding for 60 days after receipt of such notice, request and offer of indemnity. The foregoing shall not apply to any suit instituted by the Holder of this Security for the enforcement of

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any payment of principal hereof or any premium or interest hereon on or after the respective due dates expressed herein.

No reference herein to the Indenture and no provision of this Security or of the Indenture shall affect or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of and any premium and interest on this Security at the times, place and rate, and in the coin or currency, herein prescribed.

As provided in the Indenture and subject to certain limitations therein set forth, the transfer of this Security is registrable in the Security Register, upon surrender of this Security for registration of transfer at the office or agency of the Company in any place where the principal of and any premium and interest on this Security are payable, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Company and the Security Registrar duly executed by, the Holder hereof or his attorney duly authorized in writing, and thereupon one or more new Securities of this series and of like tenor, of authorized denominations and for the same aggregate principal amount, will be issued to the designated transferee or transferees.

The Securities of this series are issuable only in registered form without coupons in denominations of \$100,000 and any integral multiple thereof. As provided in the Indenture and subject to certain limitations therein set forth, Securities of this series are exchangeable for a like aggregate principal amount of Securities of this series and of like tenor of a different

authorized denomination, as requested by the Holder surrendering the same.

No service charge shall be made for any such registration of transfer or exchange, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

Prior to due presentment of this Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name this Security is registered as the owner hereof for all purposes, whether or not this Security be overdue, and neither the Company, the Trustee nor any such agent shall be affected by notice to the contrary.

All terms used in this Security which are defined in the Indenture shall have the meanings assigned to them in the Indenture.

SECTION 204. Form of Legend for Global Securities.

Unless otherwise specified as contemplated by Section 301 for the Securities evidenced thereby, every Global Security authenticated and delivered hereunder shall bear a legend in substantially the following form:

THIS SECURITY IS A GLOBAL SECURITY WITHIN THE MEANING OF THE INDENTURE  
HEREINAFTER REFERRED TO AND IS REGISTERED IN THE NAME

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OF A DEPOSITORY OR A NOMINEE THEREOF. THIS SECURITY MAY NOT BE EXCHANGED IN WHOLE OR IN PART FOR A SECURITY REGISTERED, AND NO TRANSFER OF THIS SECURITY IN WHOLE OR IN PART MAY BE REGISTERED, IN THE NOMINEE OF ANY PERSON OTHER THAN SUCH DEPOSITORY OR A NOMINEE THEREOF, EXCEPT IN THE CITED CIRCUMSTANCES DESCRIBED IN THE INDENTURE.

SECTION 205. Form of Trustee's Certificate of Authentication.

The Trustee's certificates of authentication shall be in substantially the following form:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

MORGAN GUARANTY TRUST COMPANY OF NEW  
YORK, As Trustee

By \_\_\_\_\_  
Authorized Officer

ARTICLE THREE  
THE SECURITIES

SECTION 301. Amount Unlimited; Issuable in Series.

The aggregate principal amount of Securities which may be authenticated and delivered under this Indenture is unlimited.

The Securities may be issued in one or more series. There shall be established in or pursuant to a Board Resolution or one or more indentures supplemental hereto, prior to the issuance of Securities of any series,

(1) the title of the Securities of the series (which shall distinguish the Securities of the series from Securities of any other series);

(2) any limit upon the aggregate principal amount of the Securities of the series which may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of the series pursuant to Section 304, 305, 306, 906 or 1107 and except for any Securities which, pursuant to Section 303, are deemed never to have been authenticated and delivered hereunder);

(3) the Person to whom any interest on a security of the series shall be payable, if other than the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest;

(4) the date or dates on which the principal of any Securities of the series is payable;

(5) the rate or rates at which any Securities of the series shall bear interest, if any, the date or dates from which any such interest shall accrue, the Interest Payment Dates on which any such interest shall be payable and the Regular Record Date for any such interest payable on any Interest Payment Date;

(6) the place or places where the principal of and any premium and interest on any Securities of the series shall be payable;

(7) the period or periods within which, the price or prices at which and the terms and conditions upon which any Securities of the series may be redeemed, in whole or in part, at the option of the Company and, if other than by a Board Resolution, the manner in which any election by the Company to redeem the Securities shall be evidenced;

(8) the obligation, if any, of the Company to redeem or purchase any Securities of the series pursuant to any sinking fund or analogous provisions or at the option of the Holder thereof and the period or periods within which, the price or prices at which and the terms and conditions upon which any Securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation;

(9) if other than denominations of \$1,000 and any integral multiple thereof, the denominations in which any Securities of the series shall be issuable;

(10) if the amount of principal of or any premium or interest on any Securities of the series may be determined with reference to an index or pursuant to a formula, the manner in which such amounts shall be determined;

(11) if other than the currency of the United States of America, the currency, currencies or currency units in which the principal of or any premium or interest on any Securities of the series shall be payable and the manner of determining the equivalent thereof

in the currency of the United States of America for any purpose, including for purposes of the definition of 'Outstanding' in Section 101;

(12) if the principal of or any premium or interest on any

Securities of the series is to be payable, at the election of the Company or the Holder thereof, in one or more currencies or currency units other than that or those in which such Securities are stated to be payable, the currency, currencies or currency units in which the principal of or any premium or interest on such Securities as to which such election is made shall be payable, the periods within which and the terms and conditions upon which such election is to be made and the amount so payable (or the manner in which such amount shall be determined);

(13) if other than the entire principal amount thereof, the portion of the principal amount of any Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 502;

(14) if the principal amount payable at the Stated Maturity of any Securities of the series will not be determinable as of any one or more dates prior to the Stated Maturity, the amount which shall be deemed to be the principal amount of such Securities as of any such date for any purpose thereunder or hereunder, including the principal amount thereof which shall be due and payable upon any Maturity other than the Stated Maturity or which shall be deemed to be Outstanding as of any date prior to the Stated Maturity (or, in any such case, the manner in which such amount deemed to be the principal amount shall be determined);

(15) if applicable, that the Securities of the series, in whole or any specified part shall be defeasible pursuant to Section 1302 or Section 1303 or both such Sections and, if other than by a Board Resolution, the manner in which any election by the Company to defease such Securities shall be evidenced;

(16) if applicable, that any Securities of the series shall be issuable in whole or in part in the form of one or more Global Securities and, in such case, the respective Depositaries for such Global Securities, the form of any legend or legends which shall be borne by any such Global Security in addition to or in lieu of that set forth in Section 204 and any circumstances in addition to or in lieu of those set forth in Clause (2) of the last paragraph of Section 305 in which any such Global Security may be exchanged in whole or in part for Securities registered, and any transfer of such Global Security in whole or in part may be registered, in the name or names of Persons other than the Depositary for such Global Security or a nominee thereof;

(17) any addition to or change in the Events of Default which applies to any Securities of the series and any change in the right of the Trustee or the requisite Holders of such Securities to declare the principal amount thereof due and payable pursuant to Section 502;

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(18) any addition to or change in the covenants set forth in Article Ten which applies to Securities of the series; and

(19) any other terms of the series (which terms shall not be inconsistent with the provisions of this Indenture, except as permitted by Section 901(5)).

All Securities of any one series shall be substantially identical except as to denomination and except as may otherwise be provided in or pursuant to the Board Resolution referred to above or indenture supplemental hereto referred to above.

If any of the terms of the series are established by action taken pursuant to a Board Resolution or indenture supplemental hereto, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to

the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Securities.

SECTION 302. Denominations.

The Securities of each series shall be issuable only in registered form without coupons and only in such denominations as shall be specified as contemplated by Section 301. In the absence of any such specified denomination with respect to the Securities of any series, the Securities of such series shall be issuable in denominations of \$1,000 and any integral multiple thereof.

SECTION 303. Execution, Authentication, Delivery and Dating.

The Securities shall be executed on behalf of the Company by its Chairman of the Board, its Vice Chairman of the Board, its President or one of its Vice Presidents, under its corporate seal reproduced thereon attested by its Secretary or one of its Assistant Secretaries. The signature of any of these officers on the Securities may be manual or facsimile.

Securities bearing the manual or facsimile signatures of individuals who were at the time of execution the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Securities or did not hold such offices at the date of such Securities.

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Securities, and the Trustee in accordance with the Company Order shall authenticate and deliver such Securities. In authenticating such Securities, and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall be entitled to receive, and (subject to Section 601) shall be fully protected in relying upon, an Opinion of Counsel stating,

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(1) that the form of such Securities has been established in conformity with the provisions of this Indenture;

(2) that the terms of such Securities have been established in conformity with the provisions of this Indenture; and

(3) that such Securities, when authenticated and delivered by the Trustee and issued by the Company in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute valid and legally binding obligations of the Company enforceable in accordance with their terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights, to general equity principles and to such other matters as specified therein.

The Trustee shall not be required to authenticate such Securities if the issue of such Securities pursuant to this Indenture will affect the Trustee's own rights, duties or immunities under the Securities and this Indenture or otherwise in a manner which is not reasonably acceptable to the Trustee.

Notwithstanding the provisions of Sections 201 and 301 and of the preceding paragraph, if all Securities of a series are not to be originally issued at one time, it shall not be necessary to deliver the record of action, the Company Order and Opinion of Counsel otherwise required thereby at or prior to the authentication of each Security of such series, if such documents (with appropriate modifications) are delivered at or prior to the authentication upon original issuance of the first Security of such series to be issued and reasonably contemplate the issuance of all securities of such series.

Each Security shall be dated the date of its authentication.

No Security shall be entitled to any benefit under this Indenture or

be valid or obligatory for any purpose unless there appears on such Security a certificate of authentication substantially in the form provided for herein executed by the Trustee by manual signature, and such certificate upon any Security shall be conclusive evidence, and the only evidence, that such Security has been duly authenticated and delivered hereunder. Notwithstanding the foregoing, if any Security shall have been authenticated and delivered hereunder but never issued and sold by the Company, and the Company shall deliver such Security to the Trustee for cancellation as provided in Section 309, for all purposes of this Indenture such Security shall be deemed never to have been authenticated and delivered hereunder and shall never be entitled to the benefits of this Indenture.

SECTION 304. Temporary Securities.

Pending the preparation of definitive Securities of any series, the Company may execute, and upon Company Order the Trustee shall authenticate and deliver, temporary Securities which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any authorized

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denomination, substantially of the tenor of the definitive Securities in lieu of which they are issued and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Securities may determine, as evidenced by their execution of such Securities.

If temporary Securities of any series are issued, the Company will cause definitive Securities of that series to be prepared without unreasonable delay. After the preparation of definitive Securities of such series, the temporary Securities of such series shall be exchangeable for definitive Securities of such series upon surrender of the temporary Securities of such series at the office or agency of the Company in a Place of Payment for that series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Securities of any series, the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor one or more definitive Securities of the same series, of any authorized denominations and of like tenor and aggregate principal amount. Until so exchanged, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of such series and tenor.

SECTION 305. Registration, Registration of Transfer and Exchange.

The Company shall cause to be kept at the Corporate Trust Office of the Trustee a register (the register maintained in such office and in any other office or agency of the Company in a Place of Payment being herein sometimes collectively referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Securities and of transfers of Securities. The Trustee is hereby appointed "Security Registrar" for the purpose of registering Securities and transfers of Securities as herein provided.

Upon surrender for registration of transfer of any Security of a series at the office or agency of the Company in a Place of Payment for that series, the Company shall execute, and the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Securities of the same series, of any authorized denominations and of like tenor and aggregate principal amount.

At the option of the Holder, Securities of any series may be exchanged for other Securities of the same series, of any authorized denominations and of like tenor and aggregate principal amount, upon surrender of the Securities to be exchanged at such office or agency. Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Securities which the Holder mailing the exchange is entitled to receive.

All Securities issued upon any registration of transfer or exchange of Securities shall be the valid obligations of the Company, evidencing the same debt and entitled to the same benefits under this Indenture, as the Securities

surrendered upon such registration of transfer or exchange.

Every Security presented or surrendered for registration of transfer or for exchange shall (if so required by the Company or the Trustee) be duly endorsed, or be accompanied by a written

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instrument of transfer in form satisfactory to the Company and the Security Registrar duly executed, by the Holder thereof or his attorney duly authorized in writing.

No service charge shall be made for any registration of transfer or exchange of Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer or exchange of Securities, other than exchanges pursuant to Section 304, 906 or 1107 not involving any transfer.

If the Securities of any series (or of any series and specified tenor) are to be redeemed in part, the Company shall not be required (A) to issue, register the transfer of or exchange any Securities of that series (or of that series and specified tenor, as the case may be) during a period beginning at the opening of business 15 days before the day of the mailing of a notice of redemption of any such Securities selected for redemption under Section 1103 and ending at the close of business on the day of such mailing, or (B) to register the transfer of or exchange any Security so selected for redemption in whole or in part, except the unredeemed portion of any Security being redeemed in part.

The provisions of Clauses (1), (2), (3) and (4) below shall apply only to Global Securities:

(1) Each Global Security authenticated under this Indenture shall be registered in the name of the Depositary designated for such Global Security or a nominee thereof and delivered to such Depositary or a nominee thereof or custodian therefor, and each such Global Security shall constitute a single Security for all purposes of this Indenture.

(2) Notwithstanding any other provision in this Indenture, no Global Security may be exchanged in whole or in part for Securities registered, and no transfer of a Global Security in whole or in part may be registered, in the name of any Person other than the Depositary for such Global Security or a nominee thereof unless (A) such Depositary (i) has notified the Company that it is unwilling or unable to continue as Depositary for such Global Security or (ii) has ceased to be a clearing agency registered under the Exchange Act, (B) there shall have occurred and be continuing an Event of Default with respect to such Global Security or (C) there shall exist such circumstances, if any, in addition to or in lieu of the foregoing as have been specified for this purpose as contemplated by Section 301.

(3) Subject to Clause (2) above, any exchange of a Global Security for other Securities may be made in whole or in part, and all Securities issued in exchange for a Global Security or any portion thereof shall be registered in such names as the Depositary for such Global Security shall direct.

(4) Every Security authenticated and delivered upon registration of transfer of, or in exchange for or in lieu of, a Global Security or any portion thereof, whether pursuant to this Section, Section 304, 306, 906 or 1107 or otherwise, shall be authenticated and delivered in the form of, and shall be, a Global Security, unless such Security is registered in

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the name of a Person other than the Depositary for such Global Security or a nominee thereof.

SECTION 306. Mutilated, Destroyed, Lost and Stolen Securities.

If any mutilated Security is surrendered to the Trustee, the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a new Security of the same series and of like tenor and principal amount and bearing a number not contemporaneously outstanding.

If there shall be delivered to the Company and the Trustee (i) evidence to their satisfaction of the destruction, loss or theft of any Security and (ii) such security or indemnity as may be required by them to save each of them and any agent of either of them harmless, then, in the absence of notice to the Company or the Trustee that such Security has been acquired by a bona fide purchaser, the Company shall execute and the Trustee shall authenticate and deliver, in lieu of any such destroyed, lost or stolen Security, a new Security of the same series and of like tenor and principal amount and bearing a number not contemporaneously outstanding.

In case any such mutilated, destroyed, lost or stolen Security has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Security, pay such Security.

Upon the issuance of any new Security under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

Every new Security of any series issued pursuant to this Section in lieu of any destroyed, lost or stolen Security shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Security shall be at any time enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of that series duly issued hereunder.

The provisions of this Section are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities.

SECTION 307. Payment of Interest; Interest Rights Preserved.

Except as otherwise provided as contemplated by Section 301 with respect to any series of Securities, interest on any Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest.

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Any interest on any Security of any series which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called 'Defaulted Interest') shall forthwith cease to be payable to the Holder on the relevant Regular Record Date by virtue of having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in Clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Security of such series and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such



Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this Clause provided. Thereupon the Trustee shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be given to each Holder of Securities of such series in the manner set forth in Section 106, not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been so mailed, such Defaulted Interest shall be paid to the Persons in whose names the Securities of such series (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following Clause (2).

(2) The Company may make payment of any Defaulted Interest on the Securities of any series in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this Clause, such manner of payment shall be deemed practicable by the Trustee.

Subject to the foregoing provisions of this Section, each Security delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Security shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Security.

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SECTION 308. Persons Deemed Owners.

Prior to due presentment of a Security for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name such Security is registered as the owner of such Security for the purpose of receiving payment of principal of and any premium and (subject to Section 307) any interest on such Security and for all other purposes whatsoever, whether or not such Security is overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

SECTION 309. Cancellation.

All Securities surrendered for payment, redemption, registration of transfer or exchange or for credit against any sinking fund payment shall, if surrendered to any Person other than the Trustee, be delivered to the Trustee and shall be promptly cancelled by it. The Company may at any time deliver to the Trustee for cancellation any Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and may deliver to the Trustee (or to any other Person for delivery to the Trustee) for cancellation any Securities previously authenticated hereunder which the Company has not issued and sold, and all Securities so delivered shall be promptly cancelled by the Trustee. No Securities shall be authenticated in lieu of or in exchange for any Securities cancelled as provided in this Section, except as expressly permitted by this Indenture. All cancelled Securities held by the Trustee shall be disposed of in accordance with the Trustee's customary practices unless otherwise directed by a Company Order.

SECTION 310. Computation of Interest.

Except as otherwise specified as contemplated by Section 301 for Securities of any series, interest on the Securities of each series shall be computed on the basis of a 360-day year of twelve 30-day months.

ARTICLE FOUR

SATISFACTION AND DISCHARGE

SECTION 401. Satisfaction and Discharge of Indenture.

This Indenture shall upon Company Request cease to be of further effect (except as to any surviving rights of registration of transfer or exchange of Securities herein expressly provided for), and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture, when

(1) either

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(A) all Securities theretofore authenticated and delivered (other than (i) Securities which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 306 and (ii) Securities for whose payment money has theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee for cancellation; or

(B) all such Securities not theretofore delivered to the Trustee for cancellation

(i) have become due and payable, or

(ii) will become due and payable at their Stated Maturity within one year, or

(iii) are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company,

and the Company, in the case of (i), (ii) or (iii) above, has deposited or caused to be deposited with the Trustee as trust funds in trust money in an amount sufficient to pay and discharge the entire indebtedness on such Securities not theretofore delivered to the Trustee for cancellation, for principal and any premium and interest to the date of such deposit (in the case of Securities which have become due and payable) or to the Stated Maturity or Redemption Date, as the case may be;

(2) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 607, the obligations of the Trustee to any Authenticating Agent under Section 614 and, if money shall have been deposited with the Trustee pursuant to subclause (B) of Clause (1) of this Section, the obligations of the Trustee under Section 402 and the last paragraph of Section 1003 shall survive.

SECTION 402. Application of Trust Money.

Subject to the provisions of the last paragraph of Section 1003, all money deposited with the Trustee pursuant to Section 401 shall be held in trust (without liability for the payment of interest

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thereon or the investment thereof) and applied by it, in accordance with the provisions of the Securities and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Persons entitled thereto, of the principal and any premium and interest for whose payment such money has been deposited with the Trustee.

## ARTICLE FIVE

### REMEDIES

#### SECTION 501. Event of Default.

"Event of Default", wherever used herein with respect to Securities of any series, means any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

(1) default in the payment of any interest upon any Security of that series when it becomes due and payable, and continuance of such default for a period of 30 days; or

(2) default in the payment of the principal of or any premium on any Security of that series at its Maturity; or

(3) default in the deposit of any sinking fund payment, when and as due by the terms of a Security of that series; or

(4) default in the performance, or breach, of any covenant or warranty of the Company in this Indenture (other than a covenant or warranty a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has expressly been included in this Indenture solely for the benefit of series of Securities other than that series), and continuance of such default or breach for a period of 60 days after there has been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of that series a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a "Notice of Default" hereunder; or

(5) a default by the Company or any of its Restricted Subsidiaries under any bond, debenture, note or other evidence of indebtedness for money borrowed (including a default with respect to Securities of any series other than that series) in excess of \$3,000,000, under

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any capitalized lease which is treated under generally accepted accounting principles as a consolidated liability in excess of \$3,000,000, or under any mortgage, indenture or instrument under which there may be issued or by which there may be secured or evidenced any

indebtedness for money borrowed in excess of \$3,000,000, whether such indebtedness or liability now exists or shall hereafter be created, which default (i) consists of the failure to pay any indebtedness or liability upon its stated maturity or (ii) shall have resulted in such indebtedness or liability becoming or being declared due and payable prior to the date on which it would otherwise have become due and payable, without such acceleration having been rescinded or annulled, or such indebtedness or liability having been discharged, within a period of 10 days after there shall have been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Securities of that series a written notice specifying such default and requiring the Company to cause such acceleration to be rescinded or annulled or cause such indebtedness or liability to be discharged, and stating that such notice is a "Notice of Default" hereunder; provided, however, that, subject to the provisions of Sections 601 and 602, the Trustee shall not be deemed to have knowledge of such default unless either (A) a Responsible Officer of the Trustee shall have actual knowledge of such default or (B) the Trustee shall have received written notice thereof from the Company, from any Holder, from the holder of any such indebtedness or from the trustee under any such applicable debt instrument; or

(6) the entry by a court having jurisdiction in the premises of (A) a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or (B) a decree or order adjudging the Company a bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company under any applicable Federal or State law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 60 consecutive days; or

(7) the commencement by the Company of a voluntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or of any other case or proceeding to be adjudicated a bankrupt or insolvent, or the consent by it to the entry of a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or State bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable Federal or State law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or the making by it of an assignment for the benefit of

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creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by the Company in furtherance of any such action; or

(8) any other Event of Default provided with respect to Securities of that series.

SECTION 502. Acceleration of Maturity; Rescission and Annulment.

If an Event of Default (other than an Event of Default specified in Section 501(6) or 501(7)) with respect to Securities of any series at the time Outstanding occurs and is continuing, then in every such case the Trustee or the Holders of not less than 25% in principal amount of the Outstanding

Securities of that series may declare the principal amount of all Securities of that series (or, if any Securities of that series are Original Issue Discount Securities, such portion of the principal amount of such Securities as may be specified by the terms thereof) to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by Holders), and upon any such declaration such principal amount (or specified amount) shall become immediately due and payable. If an Event of Default specified in Section 501(6) or 501(7) with respect to Securities of any series at the time Outstanding occurs, the principal amount of all the Securities of that series (or, if any Securities of that series are Original Issue Discount Securities, such portion of the principal amount of such Securities as may be specified by the terms thereof) shall automatically, and without any declaration or other action on the part of the Trustee or any Holder, become immediately due and payable.

At any time after such a declaration of acceleration with respect to Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter in this Article provided, the Holders of a majority in principal amount of the Outstanding Securities of that series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if

(1) the Company has paid or deposited with the Trustee a sum sufficient to pay

(A) all overdue interest on all Securities of that series,

(B) the principal of (and premium, if any, on) any Securities of that series which have become due otherwise than by such declaration of acceleration and any interest thereon at the rate or rates prescribed therefor in such Securities,

(C) to the extent that payment of such interest is lawful, interest upon overdue interest at the rate or rates prescribed therefor in such Securities, and

(D) all sums paid or advanced by the Trustee hereunder and all amounts owing the Trustee under Section 607;

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and

(2) all Events of Default with respect to Securities of that series, other than the non-payment of the principal of Securities of that series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

SECTION 503. Collection of Indebtedness and Suits for Enforcement by Trustee.

The Company covenants that if

(1) default is made in the payment of any interest on any Security when such interest becomes due and payable and such default continues for a period of 30 days, or

(2) default is made in the payment of the principal of (or premium, if any, on) any Security at the Maturity thereof,

the Company will, upon demand of the Trustee, pay to it, for the benefit of the Holders of such Securities, the whole amount then due and payable on such Securities for principal and any premium and interest and, to the extent that payment of such interest shall be legally enforceable, interest on any overdue principal and premium and on any overdue interest, at the rate or rates prescribed therefor in such Securities, and, in addition thereto, such further

amount as shall be sufficient to cover the costs and expenses of collection, including all amounts owing the Trustee under Section 607.

If an Event of Default with respect to Securities of any series occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders of Securities of such series by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

SECTION 504. Trustee May File Proofs of Claim.

In case of any judicial proceeding relative to the Company (or any other obligor upon the Securities), its property or its creditors, the Trustee shall be entitled and empowered, by intervention in such proceeding or otherwise, to take any and all actions authorized under the Trust Indenture Act in order to have claims of the Holders and the Trustee allowed in any such proceeding. In particular, the Trustee shall be authorized to collect and receive any moneys or other property

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payable or deliverable on any such claims and to distribute the same; and any custodian, receiver, assignee, trustee, liquidator, sequestrator or other similar official in any such judicial proceeding is hereby authorized by each Holder to make such payments to the Trustee and, in the event that the Trustee shall consent to the making of such payments directly to the Holders, to pay to the Trustee any amount due it under Section 607.

No provision of this Indenture shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder any plan of reorganization, arrangement, adjustment or composition affecting the Securities or the rights of any Holder thereof or to authorize the Trustee to vote in respect of the claim of any Holder in any such proceeding; provided, however, that the Trustee may, on behalf of the Holders, vote for the election of a trustee in bankruptcy or similar official and be a member of a creditors' or other similar committee.

SECTION 505. Trustee May Enforce Claims Without Possession of Securities.

All rights of action and claims under this Indenture or the Securities may be prosecuted and enforced by the Trustee without the possession of any of the Securities or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery of judgment shall, after provision for the payment of all amounts owing the Trustee under Section 607, be for the ratable benefit of the Holders of the Securities in respect of which such judgment has been recovered.

SECTION 506. Application of Money Collected.

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such money on account of principal or any premium or interest, upon presentation of the Securities and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

FIRST: To the payment of all amounts due the Trustee under Section 607; and

SECOND: To the payment of the amounts then due and unpaid for principal of and any premium and interest on the Securities in respect of which or for the benefit of which such money has been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such

Securities for principal and any premium and interest, respectively.

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SECTION 507. Limitation on Suits.

No Holder of any Security of any series shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless

(1) such Holder has previously given written notice to the Trustee of a continuing Event of Default with respect to the Securities of that series;

(2) the Holders of not less than 25% in principal amount of the Outstanding Securities of that series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;

(3) such Holder or Holders have offered to the Trustee reasonable indemnity against the costs, expenses and liabilities to be incurred in compliance with such request;

(4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and

(5) no direction inconsistent with such written request has been given to the Trustee during such 60-day period by the Holders of a majority in principal amount of the Outstanding Securities of that series;

it being understood and intended that no one or more of such Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other of such Holders, or to obtain or to seek to obtain priority or preference over any other of such Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all of such Holders.

SECTION 508. Unconditional Right of Holder to Receive Principal, Premium and Interest.

Notwithstanding any other provision in this Indenture, the Holder of any Security shall have the right, which is absolute and unconditional, to receive payment of the principal of and any premium and (subject to Section 307) interest on such Security on the respective Stated Maturities expressed in such Security (or, in the case of redemption, on the Redemption Date) and to institute suit for the enforcement of any such payment, and such rights shall not be impaired without the consent of such Holder.

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SECTION 509. Restoration of Rights and Remedies.

If the Trustee or any Holder has instituted any proceeding to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case, subject to any determination in such proceeding, the Company, the Trustee and the Holders shall be restored severally and respectively to their former positions hereunder and thereafter all rights and remedies of the Trustee and the Holders

shall continue as though no such proceeding had been instituted.

SECTION 510. Rights and Remedies Cumulative.

Except as otherwise provided with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities in the last paragraph of Section 306, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

SECTION 511. Delay or Omission Not Waiver.

No delay or omission of the Trustee or of any Holder of any Securities to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders, as the case may be.

SECTION 512. Control by Holder.

The Holders of a majority in principal amount of the Outstanding Securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee, with respect to the Securities of such series, provided that

(1) such direction shall not be in conflict with any rule of law or with this Indenture,

(2) the Trustee may take any other action deemed proper by the Trustee which is not inconsistent with such direction, and

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(3) such direction shall not involve the Trustee in personal liability or be unjustly prejudicial to Holders not joining therein (it being understood that the Trustee shall have no responsibility to determine such prejudice).

SECTION 513. Waiver of Past Defaults.

The Holders of not less than a majority in principal amount of the Outstanding Securities of any series may on behalf of the Holders of all the Securities of such series waive any past default hereunder with respect to such series and its consequences, except a default

(1) in the payment of the principal of or any premium or interest on any Security of such series, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Security of such series affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.



SECTION 514. Undertaking for Costs.

In any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken, suffered or omitted by it as Trustee, a court may require any party litigant in such suit to file an undertaking to pay the costs of such suit, and may assess costs against any such party litigant, in the manner and to the extent provided in the Trust Indenture Act; provided that neither this Section nor the Trust Indenture Act shall be deemed to authorize any court to require such an undertaking or to make such an assessment in any suit instituted by the Trustee or the Holders of 10% in aggregate principal amount of Outstanding Securities of any series.

SECTION 515. Waiver of Usury, Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any usury, stay or extension law wherever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefit or advantage of any such law and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

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ARTICLE SIX

THE TRUSTEE

SECTION 601. Certain Duties and Responsibilities.

With respect to the Holders of any series of Securities issued hereunder, the Trustee, prior to the occurrence of an Event of Default with respect to the Securities of a particular series and after the curing or waiving of all Events of Default which may have occurred with respect to such series, undertakes to perform such duties and only such duties as are specifically set forth in this Indenture. In case an Event of Default with respect to the Securities of a series has occurred (which has not been cured or waived) the Trustee shall exercise with respect to such series of Securities such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs.

No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act or its own wilful misconduct, except that

(1) prior to the occurrence of an Event of Default with respect to the Securities of any series and after the curing or waiving of all such Events of Default with respect to such series which may have occurred:

(A) the duties and obligations of the Trustee with respect to the Securities of any series shall be determined solely by the express provisions of this Indenture, and the Trustee shall not be liable except for the performance of such duties and obligations as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(B) in the absence of bad faith on the part of the Trustee, the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon any statements, certificates or opinions furnished to the Trustee and conforming to the requirements of

this Indenture; but in the case of any such statements, certificates or opinions which by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirements of this Indenture;

(2) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer or Responsible Officers of the Trustee, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts; and

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(3) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the Holders pursuant to Section 512 relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee, under this Indenture.

None of the provisions contained in this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur personal financial liability in the performance of any of its duties or in the exercise of any of its rights or powers, if there shall be reasonable ground for believing that the repayment of such funds or adequate indemnity against such liability is not reasonably assured to it.

The provisions of this Section 601 are in furtherance of and subject to Section 315 of the Trust Indenture Act of 1939.

SECTION 602. Notice of Defaults.

If a default occurs hereunder with respect to Securities of any series, the Trustee shall give the Holders of Securities of such series notice of such default as and to the extent provided by the Trust Indenture Act; provided, however, that in the case of any default of the character specified in Section 501(4) with respect to Securities of such series, no such notice to Holders shall be given until at least 30 days after the occurrence thereof. For the purpose of this Section, the term "default" means any event which is, or after notice or lapse of time or both would become, an Event of Default with respect to Securities of such series.

SECTION 603. Certain Rights of Trustee.

Subject to the provisions of Section 601:

(1) the Trustee may rely and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

(2) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order, and any resolution of the Board of Directors shall be sufficiently evidenced by a Board Resolution;

(3) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any

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action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon an Officers' Certificate;

(4) the Trustee may consult with counsel and the advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon;

(5) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders pursuant to this Indenture, unless such Holders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;

(6) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney; and

(7) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder.

SECTION 604. Not Responsible for Recitals or Issuance of Securities.

The recitals contained herein and in the Securities, except the Trustee's certificates of authentication, shall be taken as the statements of the Company, and neither the Trustee nor any Authenticating Agent assumes any responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities. Neither the Trustee nor any Authenticating Agent shall be accountable for the use or application by the Company of Securities or the proceeds thereof.

SECTION 605. May Hold Securities.

The Trustee, any Authenticating Agent, any Paying Agent, any Security Registrar or any other agent of the Company or the Trustee, in its individual or any other capacity, may become the owner or pledgee of Securities and, subject to Sections 608 and 613, may otherwise deal with the Company

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with the same rights it would have if it were not Trustee, Authenticating Agent, Paying Agent, Security Registrar or such other agent.

SECTION 606. Money Held in Trust.

Money held by the Trustee in trust hereunder need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on or investment of any money received by it hereunder except as otherwise agreed with the Company, and any interest on or investment of any money received by it shall be for the exclusive benefit of the Company.

SECTION 607. Compensation and Reimbursement.

The Company agrees

(1) to pay to the Trustee from time to time reasonable compensation for all services rendered by it hereunder (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents and counsel), except to the extent that any such expense, disbursement or advance may be attributable to its negligence or bad faith; and

(3) to indemnify the Trustee for, and to defend and hold it harmless against, any loss, liability or expense arising out of or in connection with the acceptance or administration of the trust or trusts hereunder or the performance of its duties hereunder, including the costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers or duties hereunder, except to the extent any such loss, liability or expense may be attributable to its negligence or bad faith.

To secure the Company's payment of obligations in this Section 607, the Trustee shall have a lien prior to the Securities on all money or property held or collected by the Trustee other than money or property held in trust to pay principal of and interest on particular Securities.

The Company's payment obligations pursuant to this Section 607 shall survive the discharge of this Indenture.

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"Trustee" for purposes of this Section 607 includes the Trustee, every predecessor Trustee, any Paying Agent, Authenticating Agent, Registrar or other agent of the Company or the Trustee appointed hereunder, but the negligence or bad faith of any such person shall not affect the rights of any other such person under this Section 607.

SECTION 608. Conflicting Interests.

If the Trustee has or shall acquire a conflicting interest within the meaning of the Trust Indenture Act, the Trustee shall either eliminate such interest or resign, to the extent and in the manner provided by, and subject to the provisions of, the Trust Indenture Act and this Indenture. To the extent permitted by such Act, the Trustee shall not be deemed to have a conflicting interest by virtue of being a trustee under this Indenture with respect to Securities of more than one series, a trustee under the Indenture for the Company's 12-7/8% Debentures due 2014 or a trustee under the Indenture for the Company's 9% Debentures due 2022.

SECTION 609. Corporate Trustee Required; Eligibility.

There shall at all times be one (and only one) Trustee hereunder with respect to the Securities of each series, which may be Trustee hereunder for Securities of one or more other series. Each Trustee shall be a Person that is eligible pursuant to the Trust Indenture Act to act as such and has a combined capital and surplus of at least \$50,000,000. If any such Person publishes reports of condition at least annually, pursuant to law or to the requirements of its supervising or examining authority, then for the purposes of this Section and to the extent permitted by the Trust Indenture Act, the combined

capital and surplus of such Person shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee with respect to the Securities of any series shall cease to be eligible in accordance with the provisions of this Section, it shall resign immediately in the manner and with the effect hereinafter specified in this Article.

SECTION 610. Resignation and Removal; Appointment of Successor.

No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee in accordance with the applicable requirements of Section 611.

The Trustee may resign at any time with respect to the Securities of one or more series by giving written notice thereof to the Company. If the instrument of acceptance by a successor Trustee required by Section 611 shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

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The Trustee may be removed at any time with respect to the Securities of any series by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series, delivered to the Trustee and to the Company.

If at any time:

(1) the Trustee shall fail to comply with Section 608 after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Security for at least six months, or

(2) the Trustee shall cease to be eligible under Section 609 and shall fail to resign after written request therefor by the Company or by any such Holder, or

(3) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (A) the Company by a Board Resolution may remove the Trustee with respect to all Securities, or (B) subject to Section 514, any Holder who has been a bona fide Holder of a Security for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee with respect to all Securities and the appointment of a successor Trustee or Trustees.

If the Trustee shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of Trustee for any cause, with respect to the Securities of one or more series, the Company, by a Board Resolution, shall promptly appoint a successor Trustee or Trustees with respect to the Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Securities of any particular series) and shall comply with the applicable requirements of Section 611. If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Securities of such series delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment in accordance with the applicable requirements

of Section 611, become the successor Trustee with respect to the Securities of such series and to that extent supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Securities of any series shall have been so appointed by the Company or the Holders and accepted appointment in the manner required by Section 611, any Holder who has been a bona fide Holder of a Security of such series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Securities of such series.

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The Company shall give notice of each resignation and each removal of the Trustee with respect to the Securities of any series and each appointment of a successor Trustee with respect to the Securities of any series to all Holders of Securities of such series in the manner provided in Section 106. Each notice shall include the name of the successor Trustee with respect to the Securities of such series and the address of its Corporate Trust Office.

SECTION 611. Acceptance of Appointment by Successor.

In case of the appointment hereunder of a successor Trustee with respect to all Securities, every such successor Trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on the request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder.

In case of the appointment hereunder of a successor Trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee and each successor Trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor Trustee shall accept such appointment and which (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates, (2) if the retiring Trustee is not retiring with respect to all Securities, shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee; and upon the execution and delivery of such supplemental indenture the resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor Trustee relates; but, on request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and money held

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by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor Trustee relates.

Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in the first or second preceding paragraph, as the case may be.

No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

SECTION 612. Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided such corporation shall be otherwise qualified and eligible under this Article, without the execution or filing of any paper or any further act on the part of any of the parties hereto. In case any Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities.

SECTION 613. Preferential Collection of Claims Against Company.

Reference is made to Section 311 of the Trust Indenture Act, for purposes of which the following terms shall have the following meanings:

- (a) the term "cash transaction" means any transaction in which full payment for goods or securities sold is made within seven days after delivery of the goods or securities in currency or in checks or other orders drawn upon banks or bankers and payable upon demand.
- (b) the term "self-liquidating paper" means any draft, bill of exchange, acceptance or obligation which is made, drawn, negotiated or incurred by the Company for the purpose of financing the purchase, processing, manufacturing, shipment, storage or sale of goods, wares or merchandise and which is secured by documents evidencing title to, possession of, or a lien upon, the goods, wares or merchandise or the receivables or proceeds arising from the sale of the goods, wares or merchandise previously constituting the security, provided the security is received by the Trustee simultaneously with the creation of the creditor relationship with the Company arising from the making, drawing, negotiating or incurring of the draft, bill of exchange, acceptance or obligation.

SECTION 614. Appointment of Authenticating Agent.

The Trustee may appoint an Authenticating Agent or Agents with respect to one or more series of Securities which shall be authorized to act on behalf of the Trustee to authenticate Securities of such series issued upon original issue and upon exchange, registration of transfer or partial redemption thereof or pursuant to Section 306, and Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder. Wherever reference is made in this Indenture to the authentication and delivery of Securities by the Trustee or the Trustee's certificate of authentication, such reference shall be deemed to include authentication and delivery on behalf of the Trustee by an Authenticating Agent and a certificate of authentication executed on behalf of the Trustee by an Authenticating Agent. Each Authenticating Agent shall be

acceptable to the Company and shall at all times be a corporation organized and doing business under the laws of the United States of America, any State thereof or the District of Columbia, authorized under such laws to act as Authenticating Agent, having a combined capital and surplus of not less than \$50,000,000 and subject to supervision or examination by Federal or State authority. If such Authenticating Agent publishes reports of condition at least annually, pursuant to law or to the requirements of said supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such Authenticating Agent shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time an Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, such Authenticating Agent shall resign immediately in the manner and with the effect specified in this Section.

Any corporation into which an Authenticating Agent may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which such Authenticating Agent shall be a party, or any corporation succeeding to the corporate agency or corporate trust business of an Authenticating Agent, shall continue to be an Authenticating Agent, provided such corporation shall be otherwise eligible under this Section, without the execution or filing of any paper or any further act on the part of the Trustee or the Authenticating Agent.

An Authenticating Agent may resign at any time by giving written notice thereof to the Trustee and to the Company. The Trustee may at any time terminate the agency of an Authenticating Agent by giving written notice thereof to such Authenticating Agent and to the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time such Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section, the Trustee may appoint a successor Authenticating Agent which shall be acceptable to the Company and shall give notice of such appointment in the manner provided in Section 106 to all Holders of Securities of the series with respect to which such Authenticating Agent will serve. Any successor Authenticating Agent upon acceptance of its appointment hereunder shall become vested with all the rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an Authenticating Agent. No successor Authenticating Agent shall be appointed unless eligible under the provisions of this Section.

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The Trustee agrees to pay to each Authenticating Agent from time to time reasonable compensation for its services under this Section, and the Trustee shall be entitled to be reimbursed for such payments, subject to the provisions of Section 607.

If an appointment with respect to one or more series is made pursuant to this Section, the Securities of such series may have endorsed thereon, in addition to the Trustee's certificate of authentication, an alternative certificate of authentication in the following form:

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Morgan Guaranty Trust Company of New  
York, As Trustee

By: \_\_\_\_\_  
As Authenticating Agent

By: \_\_\_\_\_  
Authorized Officer

ARTICLE SEVEN

HOLDERS' LISTS AND REPORTS BY TRUSTEE AND COMPANY



SECTION 701. Company to Furnish Trustee Names and Addresses of Holders.

The Company will furnish or cause to be furnished to the Trustee

(1) semi-annually, not later than March 31 and September 30 in each year, a list, in such form as the Trustee may reasonably require, of the names and addresses of the Holders of Securities of each series as of the preceding March 16 or September 15, as the case may be, and

(2) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished;

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excluding from any such list names and addresses received by the Trustee in its capacity as Security Registrar.

SECTION 702. Preservation of Information; Communications to Holders.

The Trustee shall preserve, in as current a form as is reasonably practicable, the names and addresses of Holders contained in the most recent list furnished to the Trustee as provided in Section 701 and the names and addresses of Holders received by the Trustee in its capacity as Security Registrar. The Trustee may destroy any list furnished to it as provided in Section 701 upon receipt of a new list so furnished.

The rights of Holders to communicate with other Holders with respect to their rights under this Indenture or under the Securities, and the corresponding rights and privileges of the Trustee, shall be as provided by the Trust Indenture Act.

Every Holder of Securities, by receiving and holding the same, agrees with the Company and the Trustee that neither the Company nor the Trustee nor any agent of either of them shall be held accountable by reason of any disclosure of information as to names and addresses of Holders made pursuant to the Trust Indenture Act.

SECTION 703. Reports by Trustee.

The Trustee shall transmit to Holders such reports, if any, concerning the Trustee and its actions under this Indenture as may be required pursuant to the Trust Indenture Act at the times and in the manner provided pursuant thereto; provided that reports pursuant to Section 313(a), if any, shall be transmitted on or before each July 15 and dated as of the preceding May 15.

A copy of each such report shall, at the time of such transmission to Holders, be filed by the Trustee with each stock exchange upon which any Securities are listed, with the Commission and with the Company. The Company will notify the Trustee when any Securities are listed on any stock exchange.

SECTION 704. Reports by Company.

The Company shall file with the Trustee and the Commission, and transmit to Holders, such information, documents and other reports, and such summaries thereof, as may be required pursuant to the Trust Indenture Act at the times and in the manner provided pursuant to such Act; provided that any such information, documents or reports required to be filed with the Commission pursuant to Section 13 or 15(d) of the Exchange Act shall be filed with the Trustee within 15 days after the same is so required to be filed with the Commission.

ARTICLE EIGHT

CONSOLIDATION, MERGER, CONVEYANCE, TRANSFER OR LEASE

SECTION 801. Company May Consolidate, Etc, Only on Certain Terms.

The Company shall not consolidate with or merge into any other corporation or convey, transfer or lease its properties and assets substantially as an entirety to any person, unless:

(1) the corporation formed by such consolidation or into which the Company is merged or the person which acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety shall be a corporation organized and existing under the laws of the United States of America, any State thereof or the District of Columbia and shall expressly assume, by an indenture supplemental hereto, executed and delivered to the Trustee, in form satisfactory to the Trustee, the due and punctual payment of the principal of and interest on all the Securities and the performance of every covenant of this Indenture on the part of the Company to be performed or observed;

(2) immediately after giving effect to such transaction, no Event of Default, and no event which, after notice or lapse of time or both, would become an Event of Default, shall have happened and be continuing; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been complied with.

SECTION 802. Successor Substituted.

Upon any consolidation or merger or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety in accordance with Section 801, the successor corporation formed by such consolidation or into which the Company is merged or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor corporation had been named as the Company herein, and thereafter, except in the case of a lease, the predecessor corporation shall be relieved of all obligations and covenants under this Indenture and the Securities.

ARTICLE NINE

SUPPLEMENTAL INDENTURES

SECTION 901. Supplemental Indentures Without Consent of Holders.

Without the consent of any Holders, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

(1) to evidence the succession of another Person to the Company and the assumption by any such successor of the covenants of

the Company herein and in the Securities; or

(2) to add to the covenants of the Company for the benefit of the Holders of all or any series of Securities (and if such covenants are to be for the benefit of less than all series of Securities, stating that such covenants are expressly being included solely for the benefit of such series) or to surrender any right or power herein conferred upon the Company; or

(3) to add any additional Events of Default for the benefit of the Holders of all or any series of Securities (and if such additional Events of Default are to be for the benefit of less than all series of Securities, stating that such additional Events of Default are expressly being included solely for the benefit of such series); or

(4) to add to or change any of the provisions of this Indenture to such extent as shall be necessary to permit or facilitate the issuance of Securities in bearer form, registrable or not registrable as to principal, and with or without interest coupons, or to permit or facilitate the issuance of Securities in uncertificated form; or

(5) to add to, change or eliminate any of the provisions of this Indenture in respect of one or more series of Securities, provided that any such addition, change or elimination (A) shall neither (i) apply to any Security of any series created prior to the execution of such supplemental indenture and entitled to the benefit of such provision nor (ii) modify the rights of the Holder of any such Security with respect to such provision or (B) shall become effective only when there is no such Security Outstanding; or

(6) to secure the Securities pursuant to the requirements of Section 1008 or otherwise; or

(7) to establish the form or terms of Securities of any series as permitted by Sections 201 and 301; or

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(8) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Securities of one or more series and to add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 611; or

(9) to cure any ambiguity, to correct or supplement any provision herein which may be defective or inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Indenture, provided that such action pursuant to this Clause (9) shall not adversely affect the interests of the Holders of Securities of any series in any material respect.

SECTION 902. Supplemental Indentures With Consent of Holders.

With the consent of the Holders of not less than a majority in principal amount of the Outstanding Securities of each series affected by such supplemental indenture, by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders of Securities of such series under this Indenture; provided, however, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Security affected thereby,

(1) change the Stated Maturity of the principal of, or

any instalment of principal of or interest on, any Security, or reduce the principal amount thereof or the rate of interest thereon or any premium payable upon the redemption thereof, or reduce the amount of the principal of an Original Issue Discount Security or any other Security which would be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502, or change any Place of Payment where, or the coin or currency in which, any Security or any premium or interest thereon is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof (or, in the case of redemption, on or after the Redemption Date), or

(2) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) provided for in this Indenture, or

(3) modify any of the provisions of this Section, Section 513 or Section 1010, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each

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Outstanding Security affected thereby; provided, however, that this clause shall not be deemed to require the consent of any Holder with respect to changes in the references to "the Trustee" and concomitant changes in this Section and Section 1010 or the deletion of this proviso, in accordance with the requirements of Sections 611 and 901(8).

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities, or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series.

It shall not be necessary for any Act of Holders under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

#### SECTION 903. Execution of Supplemental Indentures.

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and (subject to Section 601) shall be fully protected in relying upon, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustee's own rights, duties or immunities under this Indenture or otherwise.

#### SECTION 904. Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Securities theretofore or thereafter authenticated and delivered hereunder shall be bound thereby.

#### SECTION 905. Conforming with Trust Indenture Act.

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act.

SECTION 906. Reference in Securities to Supplemental Indentures.

Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities of any series so modified as to conform, in the opinion of the Trustee and the Company, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Securities of such series.

ARTICLE TEN

COVENANTS

SECTION 1001. Payment of Principal, Premium and Interest.

The Company covenants and agrees for the benefit of each series of Securities that it will duly and punctually pay the principal of and any premium and interest on the Securities of that series in accordance with the terms of the Securities and this Indenture.

SECTION 1002. Maintenance of Office or Agency.

The Company will maintain in each Place of Payment for any series of Securities an office or agency where Securities of that series may be presented or surrendered for payment, where Securities of that series may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be served. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices and demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee as its agent to receive all such presentations, surrenders, notices and demands.

The Company may also from time to time designate one or more other offices or agencies where the Securities of one or more series may be presented or surrendered for any or all such purposes and may from time to time rescind such designations; provided, however, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in each Place of Payment for Securities of any series for such purposes. The

Company will give prompt written notice to the Trustee of any such designation or rescission and of any change in the location of any such other office or agency.

SECTION 1003. Money for Securities Payments to Be Held in Trust.

If the Company shall at any time act as its own Paying Agent with respect to any series of Securities, it will, on or before each due date of the principal of or any premium or interest on any of the Securities of that series, segregate and hold in trust for the benefit of the Persons entitled

thereto a sum sufficient to pay the principal and any premium and interest so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided and will promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents for any series of Securities, it will, prior to each due date of the principal of or any premium or interest on any Securities of that series, deposit with a Paying Agent a sum sufficient to pay such amount, such sum to be held as provided by the Trust Indenture Act, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee of its action or failure so to act.

The Company will cause each Paying Agent for any series of Securities other than the Trustee to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent will (1) comply with the provisions of the Trust Indenture Act applicable to it as a Paying Agent and (2) during the continuance of any default by the Company (or any other obligor upon the Securities of that series) in the making of any payment in respect of the Securities of that series, upon the written request of the Trustee, forthwith pay to the Trustee all sums held in trust by such Paying Agent for payment in respect of the Securities of that series.

The Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such money.

Any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of or any premium or interest on any Security of any series and remaining unclaimed for two years after such principal, premium or interest has become due and payable shall be paid to the Company, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Security shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money, and all liability of the Company as trustee thereof, shall thereupon cease.

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SECTION 1004. Statement by Officers as to Default.

The Company will deliver to the Trustee, within 120 days after the end of each fiscal year of the Company ending after the date hereof, an Officers' Certificate stating that in the course of the performance by the signers of their duties as Officers of the Company they would normally have knowledge of any Default by the Company and whether or not the signers know of any Default that occurred during such period. If they do, the certificate shall describe the Default, its status and what action the Company is taking or proposes to take with respect thereto. The Company also shall comply with Section 314(a)(4) of the Trust Indenture Act.

SECTION 1005. Existence.

Subject to Article Eight, the Company will do or cause to be done all things necessary to preserve and keep in full force and effect its existence, rights (charter and statutory) and franchises; provided, however, that the Company shall not be required to preserve any such right or franchise if the Board of Directors shall determine that the preservation thereof is no longer desirable in the conduct of the business of the Company and that the loss thereof is not disadvantageous in any material respect to the Holders.

SECTION 1006. Maintenance of Properties.

The Company will cause all properties used or useful in the conduct of its business or the business of any Subsidiary to be maintained and kept in good condition, repair and working order and supplied with all necessary equipment and will cause to be made all necessary repairs, renewals, replacements, betterments and improvements thereof, all as in the judgment of the Company may be necessary so that the business carried on in connection therewith may be properly and advantageously conducted at all times; provided, however, that nothing in this Section shall prevent the Company from discontinuing the operation or maintenance of any of such properties if such discontinuance is, in the judgment of the Company, desirable in the conduct of its business or the business of any Subsidiary and not disadvantageous in any material respect to the Holders.

SECTION 1007. Payment of Taxes and Other Claims.

The Company will pay or discharge or cause to be paid or discharged, before the same shall become delinquent, (1) all taxes, assessments and governmental charges levied or imposed upon the Company or any Subsidiary or upon the income, profits or property of the Company or any Subsidiary, and (2) all lawful claims for labor, materials and supplies which, if unpaid, might by law become a lien upon the property of the Company or any Subsidiary; provided, however, that the Company shall not be required to pay or discharge or cause to be paid or discharged any such tax,

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assessment, charge or claim whose amount, applicability or validity is being contested in good faith by appropriate proceedings.

SECTION 1008. Restrictions on Secured Debt.

The Company will not itself, and will not permit any Restricted Subsidiary to, incur, issue, assume or guarantee any loans, whether or not evidenced by negotiable instruments or securities, or any notes, bonds, debentures or other similar evidences of indebtedness for money borrowed (loans, and notes, bonds, debentures or other similar evidences of indebtedness for money borrowed being hereinafter in this Section called "Debt"), secured after the date hereof by pledge of, or mortgage or lien on, any Principal Property of the Company or any Restricted Subsidiary or any shares of Capital Stock of or Debt of any Restricted Subsidiary (mortgages, pledges and liens being hereinafter in this Section called "Mortgage" or "Mortgages"), without effectively providing that the Securities (together with, if the Company shall so determine, any other Debt of the Company or such Restricted Subsidiary then existing or thereafter created which is not subordinated to the Securities) shall be secured equally and ratably with (or, at the option of the Company, prior to) such secured Debt, so long as such secured Debt shall be so secured, unless, after giving effect thereto, the aggregate amount of all such secured Debt plus all Attributable Debt of the Company and its Restricted Subsidiaries with respect to sale and leaseback transactions to which Section 1009 is applicable would not exceed 5% of Consolidated Net Tangible Assets; provided, however, that this Section shall not apply to, and there shall be excluded from secured Debt in any computation under this Section, Debt secured by:

(1) Mortgages on property of, or on any shares of Capital Stock of or Debt of, any corporation existing at the time such corporation becomes a Restricted Subsidiary;

(2) Mortgages in favor of the Company or any Restricted Subsidiary;

(3) Mortgages in favor of any governmental body to secure progress, advance or other payments pursuant to any contract or provision of any statute;

(4) Mortgages on property, shares of Capital Stock or Debt existing at the time of acquisition thereof (including acquisition through merger or consolidation) or to secure the payment of all or any part of the purchase price thereof or construction thereon or to

secure any Debt incurred prior to, at the time of, or within 180 days after the later of the acquisition of such property, shares of Capital Stock or Debt or the completion of construction for the purpose of financing all or any part of the purchase price thereof or construction thereon;

(5) Mortgages securing obligations issued by a State, territory or possession of the United States, any political subdivision of any of the foregoing, or the District of Columbia, or any instrumentality of any of the foregoing to finance the acquisition or construction of property, and on which the interest is not, in the opinion of tax counsel of recognized

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standing or in accordance with a ruling issued by the Internal Revenue Service, includible in gross income of the holder by reason of Section 103(a)(1) of the Internal Revenue Code of 1986, as amended, (or any successor to such provision) as in effect at the time of the issuance of such obligations; or

(6) any extension, renewal or replacement (or successive extensions, renewals or replacements), as a whole or in part, of any Mortgage referred to in the foregoing clauses (1) to (5), inclusive; provided, however, that such extension, renewal or replacement Mortgage shall be limited to all or part of the same property, shares of Capital Stock or Debt that secured the Mortgage extended, renewed or replaced (plus improvements on such property).

SECTION 1009. Restrictions on Sales and Leasebacks.

The Company will not itself, and will not permit any Restricted Subsidiary to, enter into any transaction after the date hereof with any bank, insurance company or other lender or investor, or any such transaction to which any such bank, company, lender or investor is a party, providing for the leasing by the Company or a Restricted Subsidiary of any Principal Property which has been or is to be sold or transferred by the Company or such Restricted Subsidiary to such bank, company, lender or investor, or any person to whom funds have been or are to be advanced by such bank, company, lender or investor on the security of such Principal Property (herein referred to as a "sale and leaseback transaction") unless, after giving effect thereto, the aggregate amount of all Attributable Debt with respect to all such transactions plus all secured Debt to which Section 1008 is applicable would not exceed 5% of Consolidated Net Tangible Assets. This covenant shall not apply to, and there shall be excluded from Attributable Debt in any computation under this Section 1009 Attributable Debt with respect to, any sale and leaseback transaction if:

(1) the lease in such sale and leaseback transaction is for a period, including renewal rights, of not in excess of three years, or

(2) the Company or a Restricted Subsidiary, within 180 days after the sale or transfer shall have been made by the Company or by a Restricted Subsidiary, applied an amount equal to the greater of the net proceeds of the sale of the Principal Property leased pursuant to such arrangement or the fair market value of the Principal Property so leased at the time of entering into such arrangement (as determined in any manner approved by the Board of Directors) to

(a) the retirement of the Securities, other Funded Debt of the Company ranking on a parity with or senior to the Securities, or Funded Debt of a Restricted Subsidiary; provided, however, that the amount to be applied to the retirement of such Funded Debt of the Company or a Restricted Subsidiary shall be reduced by (x) the principal amount of any Securities (or other notes or debentures constituting such Funded Debt) delivered within such 180-day period to the Trustee or other applicable



trustee for retirement and cancellation and (y) the principal amount of such Funded Debt, other than items referred to in the preceding clause (x), voluntarily retired by the Company or a Restricted Subsidiary within 180 days after such sale; provided further, however, that, notwithstanding the foregoing, no retirement referred to in this clause (a) may be effected by payment at maturity or pursuant to any mandatory sinking fund payment or any mandatory prepayment provisions; or

(b) the purchase of other property which will constitute a Principal Property having a fair market value, in the opinion of the Board of Directors, at least equal to the fair market value of the Principal Property leased in such sale and leaseback transaction, or

(3) such sale and leaseback transaction is entered into prior to, at the time of, or within 180 days after the later of the acquisition of the Principal Property or the completion of construction thereon, or

(4) the lease in such sale and leaseback transaction secures or relates to obligations issued by a State, territory or possession of the United States, or any political subdivision of any of the foregoing, the District of Columbia, or any instrumentality of any of the foregoing to finance the acquisition or construction of property, and on which the interest is not, in the opinion of tax counsel of recognized standing or in accordance with a ruling issued by the Internal Revenue Service, includible in gross income of the holder by reason of Section 103(a)(1) of the Internal Revenue Code of 1986, as amended, (or an successor to such provision) as in effect at the time of the issuance of such obligations, or

(5) such sale and leaseback transaction is entered into between the Company and a Restricted Subsidiary or between Restricted Subsidiaries.

SECTION 1010. Waiver of Certain Covenants.

Except as otherwise specified as contemplated by Section 301 for Securities of such series, the Company may, with respect to the Securities of any series, omit in any particular instance to comply with any term, provision or condition set forth in any covenant provided pursuant to Section 301(18), 901(2) or 901(7) for the benefit of the Holders of such series or Sections 1008 to 1009, inclusive, if before the time for such compliance the Holders of at least a majority in principal amount of the Outstanding Securities of such series shall, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such term, provision or condition, but no such waiver shall extend to or affect such term, provision or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such term, provision or condition shall remain in full force and effect.

ARTICLE ELEVEN

REDEMPTION OF SECURITIES

SECTION 1101. Applicability of Article.

Securities of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified as contemplated by Section 301 for such Securities) in accordance with this Article.

SECTION 1102. Election to Redeem; Notice to Trustee.

The election of the Company to redeem any Securities shall be evidenced by a Board Resolution or in another manner specified as contemplated by Section 301 for such Securities. In case of any redemption at the election of the Company of less than all the Securities of any series (including any such redemption affecting only a single Security), the Company shall, at least 60 days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee of such Redemption Date, of the principal amount of Securities of such series to be redeemed and, if applicable, of the tenor of the Securities to be redeemed. In the case of any redemption of Securities prior to the expiration of any restriction on such redemption provided in the terms of such Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with such restriction.

SECTION 1103. Selection by Trustee of Securities to Be Redeemed.

If less than all the Securities of any series are to be redeemed (unless all the Securities of such series and of a specified tenor are to be redeemed or unless such redemption affects only a single Security), the particular Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Securities of such series not previously called for redemption, by such method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of a portion of the principal amount of any Security of such series, provided that the unredeemed portion of the principal amount of any Security shall be in an authorized denomination (which shall not be less than the minimum authorized denomination) for such Security. If less than all the Securities of such series and of a specified tenor are to be redeemed (unless such redemption affects only a single Security), the particular Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Securities of such series and specified tenor not previously called for redemption in accordance with the preceding sentence.

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The Trustee shall promptly notify the Company in writing of the Securities selected for redemption as aforesaid and, in the case of any Securities selected for partial redemption as aforesaid, the principal amount thereof to be redeemed.

The provisions of the two preceding paragraphs shall not apply with respect to any redemption affecting only a single Security, whether such Security is to be redeemed in whole or in part. In the case of any such redemption in part, the unredeemed portion of the principal amount of the Security shall be in an authorized denomination (which shall not be less than the minimum authorized denomination) for such Security.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities shall relate, in the case of any Securities redeemed or to be redeemed only in part, to the portion of the principal amount of such Securities which has been or is to be redeemed.

SECTION 1104. Notice of Redemption.

Notice of redemption shall be given by first-class mail, postage prepaid, mailed not less than 30 nor more than 60 days prior to the Redemption Date, to each Holder of Securities to be redeemed, at his address appearing in the Security Register.

All notices of redemption shall state:

- (1) the Redemption Date,
- (2) the Redemption Price and any accrued interest,
- (3) if less than all the Outstanding Securities of any series consisting of more than a single Security are to be redeemed, the identification (and, in the case of partial redemption of any such Securities, the principal amounts) of the particular Securities to be redeemed and, if less than all the Outstanding Securities of any series consisting of a single Security are to be redeemed, the principal amount of the particular Security to be redeemed,
- (4) that on the Redemption Date the Redemption Price and any accrued interest will become due and payable upon each such Security to be redeemed and, if applicable, that interest thereon will cease to accrue on and after said date (unless the Company shall default in the payment of the Redemption Price and accrued interest),
- (5) the place or places where each such Security is to be surrendered for payment of the Redemption Price and any accrued interest, and
- (6) that the redemption is for a sinking fund, if such is the case.

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Notice of redemption of Securities to be redeemed at the election of the Company shall be given by the Company or, at the Company's request, by the Trustee in the name and at the expense of the Company and shall be irrevocable.

SECTION 1105. Deposit of Redemption Price.

Prior to any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of money sufficient to pay the Redemption Price of, and (except if the Redemption Date shall be an Interest Payment Date) accrued interest on, all the Securities which are to be redeemed on that date.

SECTION 1106. Securities Payable on Redemption Date.

Notice of redemption having been given as aforesaid, the Securities so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified, and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Securities shall cease to bear interest. Upon surrender of any such Security for redemption in accordance with said notice, such Security shall be paid by the Company at the Redemption Price, together with accrued interest to the Redemption Date; provided, however, that, unless otherwise specified as contemplated by Section 301, installments of interest whose Stated Maturity is on or prior to the Redemption Date will be payable to the Holders of such Securities, or one or more Predecessor Securities, registered as such at the close of business on the relevant Record Dates according to their terms and the provisions of Section 307.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal and any premium shall, until paid, bear interest from the Redemption Date at the rate prescribed therefor in the Security.

SECTION 1107. Securities Redeemed in Part.

Any Security which is to be redeemed only in part shall be surrendered at a Place of Payment therefor (with, if the Company or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company and the Trustee duly executed by, the Holder thereof or his attorney duly authorized in writing), and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Security without service charge, a new Security or Securities of the same series and of like tenor, of any authorized denomination as requested by such Holder, in an aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Security so surrendered.

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## ARTICLE TWELVE

### SINKING FUNDS

#### SECTION 1201. Applicability of Article.

The provisions of this Article shall be applicable to any sinking fund for the retirement of Securities of any series except as otherwise specified as contemplated by Section 301 for such Securities.

The minimum amount of any sinking fund payment provided for by the terms of any Securities is herein referred to as a "mandatory sinking fund payment", and any payment in excess of such minimum amount provided for by the terms of such Securities is herein referred to as an "optional sinking fund payment". If provided for by the terms of any Securities, the cash amount of any sinking fund payment may be subject to reduction as provided in Section 1202. Each sinking fund payment shall be applied to the redemption of Securities as provided for by the terms of such Securities.

#### SECTION 1202. Satisfaction of Sinking Fund Payments with Securities.

The Company (1) may deliver Outstanding Securities of a series (other than any previously called for redemption) and (2) may apply as a credit Securities of a series which have been redeemed either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to any Securities of such series required to be made pursuant to the terms of such Securities as and to the extent provided for by the terms of such Securities; provided that the Securities to be so credited have not been previously so credited. The Securities to be so credited shall be received and credited for such purpose by the Trustee at the Redemption Price, as specified in the Securities so to be redeemed, for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly.

#### SECTION 1203. Redemption of Securities for Sinking Fund.

Not less than 60 days prior to each sinking fund payment date for any Securities, the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing sinking fund payment for such Securities pursuant to the terms of such Securities, the portion thereof, if any, which is to be satisfied by payment of cash and the portion thereof, if any, which is to be satisfied by delivering and crediting Securities pursuant to Section 1202 and will also deliver to the Trustee any Securities to be so delivered. Not less than 30 days prior to each such sinking fund

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payment date, the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 1103 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 1104. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Sections 1106 and 1107.

#### ARTICLE THIRTEEN

##### DEFEASANCE AND COVENANT DEFEASANCE

###### SECTION 1301. Company's Option to Effect Defeasance or Covenant Defeasance.

The Company may elect, at its option at any time, to have Section 1302 or Section 1303 applied to any Securities or any series of Securities, as the case may be, designated pursuant to Section 301 as being defeasible pursuant to such Section 1302 or 1303, in accordance with any applicable requirements provided pursuant to Section 301 and upon compliance with the conditions set forth below in this Article. Any such election shall be evidenced by a Board Resolution or in another manner specified as contemplated by Section 301 for such Securities.

###### SECTION 1302. Defeasance and Discharge.

Upon the Company's exercise of its option (if any) to have this Section applied to any Securities or any series of Securities, as the case may be, the Company shall be deemed to have been discharged from its obligations with respect to such Securities as provided in this Section on and after the date the conditions set forth in Section 1304 are satisfied (hereinafter called "Defeasance"). For this purpose, such Defeasance means that the Company shall be deemed to have paid and discharged the entire indebtedness represented by such Securities and to have satisfied all its other obligations under such Securities and this Indenture insofar as such Securities are concerned (and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging the same), subject to the following which shall survive until otherwise terminated or discharged hereunder: (1) the rights of Holders of such Securities to receive, solely from the trust fund described in Section 1304 and as more fully set forth in such Section, payments in respect of the principal of and any premium and interest on such Securities when payments are due, (2) the Company's obligations with respect to such Securities under Sections 304, 305, 306, 1002 and 1003, (3) the rights, powers, trusts, duties and immunities of the Trustee hereunder and (4) this Article. Subject to compliance with this Article, the Company may exercise its option (if any) to have this Section applied to any Securities notwithstanding the prior exercise of its option (if any) to have Section 1303 applied to such Securities.

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###### SECTION 1303. Covenant Defeasance.

Upon the Company's exercise of its option (if any) to have this Section applied to any Securities or any series of Securities, as the case may be, (1) the Company shall be released from its obligations under Section 801, Sections 1005 through 1009, inclusive, and any covenants provided pursuant to Section 301(18), 901(2) or 901(7) for the benefit of the Holders of such Securities and (2) the occurrence of any event specified in Sections 501(4) (with respect to any of Section 801(3), Sections 1006 through 1009, inclusive, and any such covenants provided pursuant to Section 301(18), 901(2) or 901(7)), 501(5) and 501(8) shall be deemed not to be or result in an Event of Default, in each case with respect to such Securities as provided in this Section on and after the date the conditions set forth in Section 1304 are satisfied (hereinafter called "Covenant Defeasance"). For this purpose, such Covenant Defeasance means that, with respect to such Securities, the Company may omit to comply with and shall have no liability in respect of any term, condition or limitation set forth in any such specified Section (to the extent so specified in the case of Section 501(4)), whether directly or indirectly by reason of any reference elsewhere herein to any such Section or by reason of any reference in

any such Section to any other provision herein or in any other document, but the remainder of this Indenture and such Securities shall be unaffected thereby.

SECTION 1304. Conditions to Defeasance or Covenant Defeasance.

The following shall be the conditions to the application of Section 1302 or Section 1303 to any Securities or any series of Securities, as the case may be:

(1) The Company shall irrevocably have deposited or caused to be deposited with the Trustee (or another trustee which satisfies the requirements contemplated by Section 609 and agrees to comply with the provisions of this Article applicable to it) as trust funds in trust for the purpose of making the following payments, specifically pledged as security for, and dedicated solely to, the benefit of the Holders of such Securities, (A) money in an amount, or (B) U.S. Government Obligations which through the scheduled payment of principal and interest in respect thereof in accordance with their terms will provide, not later than one day before the due date of any payment, money in an amount, or (C) a combination thereof, in each case sufficient, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, to pay and discharge, and which shall be applied by the Trustee (or any such other qualifying trustee) to pay and discharge, the principal of and any premium and interest on such Securities on the respective Stated Maturities, in accordance with the terms of this Indenture and such Securities. As used herein, "U.S. Government Obligation" means (x) any security which is (i) a direct obligation of the United States of America for the payment of which the full faith and credit of the United States of America is pledged or (ii) an obligation of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America the payment of which is unconditionally guaranteed as a full faith and credit

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obligation by the United States of America, which, in either case (i) or (ii), is not callable or redeemable at the option of the issuer thereof, and (y) any depository receipt issued by a bank (as defined in Section 3(a)(2) of the Securities Act) as custodian with respect to any U.S. Government Obligation which is specified in Clause (x) above and held by such bank for the account of the holder of such depository receipt, or with respect to any such payment of principal of or interest on any U.S. Government Obligation which is so specified and held, provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligation or the specific payment of principal or interest evidenced by such depository receipt.

(2) In the event of an election to have Section 1302 apply to any Securities or any series of Securities, as the case may be, the Company shall have delivered to the Trustee an Opinion of Counsel stating that (A) the Company has received from, or there has been published by, the Internal Revenue Service a ruling or (B) since the date of this instrument, there has been a change in the applicable Federal income tax law, in either case (A) or (B) to the effect that, and based thereon such opinion shall confirm that, the Holders of such Securities will not recognize gain or loss for Federal income tax purposes as a result of the deposit, Defeasance and discharge to be effected with respect to such Securities and will be subject to Federal income tax on the same amount, in the same manner and at the same times as would be the case if such deposit, Defeasance and discharge were not to occur.

(3) In the event of an election to have Section 1303 apply to any Securities or any series of Securities, as the case may

be, the Company shall have delivered to the Trustee an Opinion of Counsel to the effect that the Holders of such Securities will not recognize gain or loss for Federal income tax purposes as a result of the deposit and Covenant Defeasance to be effected with respect to such Securities and will be subject to Federal income tax on the same amount, in the same manner and at the same times as would be the case if such deposit and Covenant Defeasance were not to occur.

(4) The Company shall have delivered to the Trustee an Officer's Certificate to the effect that neither such Securities nor any other Securities of the same series, if then listed on any securities exchange, will be delisted as a result of such deposit.

(5) No event which is, or after notice or lapse of time or both would become, an Event of Default with respect to such Securities or any other Securities shall have occurred and be continuing at the time of such deposit or, with regard to any such event specified in Sections 501(6) and (7), at any time on or prior to the 90th day after the date of such deposit (it being understood that this condition shall not be deemed satisfied until after such 90th day).

(6) Such Defeasance or Covenant Defeasance shall not cause the Trustee to have a conflicting interest within the meaning of the Trust Indenture Act.

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(7) Such Defeasance or Covenant Defeasance shall not result in a breach or violation of, or constitute a default under, any other agreement or instrument to which the Company is a party or by which it is bound.

(8) Such Defeasance or Covenant Defeasance shall not result in the trust arising from such deposit constituting an investment company within the meaning of the Investment Company Act unless such trust shall be registered under such Act or exempt from registration thereunder.

(9) The Company shall have delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that all conditions precedent with respect to such Defeasance or Covenant Defeasance have been complied with.

SECTION 1305. Deposited Money and U.S. Government Obligations to Be Held in Trust; Miscellaneous Provisions.

Subject to the provisions of the last paragraph of Section 1003, all money and U.S. Government Obligations (including the proceeds thereof) deposited with the Trustee or other qualifying trustee (solely for purposes of this Section and Section 1306, the Trustee and any such other trustee are referred to collectively as the "Trustee") pursuant to Section 1304 in respect of any Securities shall be held in trust and applied by the Trustee, in accordance with the provisions of such Securities and this Indenture, to the payment, either directly or through any such Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Holders of such Securities, of all sums due and to become due thereon in respect of principal and any premium and interest, but money so held in trust need not be segregated from other funds except to the extent required by law.

The Company shall pay and indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the U.S. Government Obligations deposited pursuant to Section 1304 or the principal and interest received in respect thereof other than any such tax, fee or other charge which by law is for the account of the Holders of Outstanding Securities.

Anything in this Article to the contrary notwithstanding, the Trustee shall deliver or pay to the Company from time to time upon Company Request any money or U.S. Government Obligations held by it as provided in Section 1304

with respect to any Securities which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, are in excess of the amount thereof which would then be required to be deposited to effect the Defeasance or Covenant Defeasance, as the case may be, with respect to such Securities.

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SECTION 1306. Reinstatement.

If the Trustee or the Paying Agent is unable to apply any money in accordance with this Article with respect to any Securities by reason of any order or judgment of any court or governmental authority enjoining, restraining or otherwise prohibiting such application, then the obligations under this Indenture and such Securities from which the Company has been discharged or released pursuant to Section 1302 or 1303 shall be revived and reinstated as though no deposit had occurred pursuant to this Article with respect to such Securities, until such time as the Trustee or Paying Agent is permitted to apply all money held in trust pursuant to Section 1305 with respect to such Securities in accordance with this Article; provided, however, that if the Company makes any payment of principal of or any premium of interest on any such Security following such reinstatement of its obligations, the Company shall be subrogated to the rights (if any) of the Holders of such Securities to receive such payment from the money so held in trust.

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This instrument may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same instrument.

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IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed, and their respective corporate seals to be hereunto affixed and attested, all as of the day and year first above written.

CARPENTER TECHNOLOGY CORPORATION

By: /s/ John A. Schuler

-----  
Title: Treasurer

Attest:

/s/ David A Christiansen

-----  
Title: Assistant Secretary  
MORGAN GUARANTY TRUST COMPANY  
OF NEW YORK

By: /s/ D.J. Calabrese

-----  
Title: Vice President

Attest:

/s/ M.E. McNulty

-----  
Title: Assistant Secretary



STATE OF PENNSYLVANIA

ss:

COUNTY OF BERKS

On the 12th day of January, before me personally came John A. Schuler, to me known, who, being by me duly sworn, did depose and say that he is Treasurer of Carpenter Technology Corporation, one of the corporations described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation; and that he signed his name thereto by like authority.

/s/ Anita M. Keltz

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STATE OF NEW YORK

ss:

COUNTY OF NEW YORK

On the 12th day of January, before me personally came Dennis J. Calabrese, to me known, who, being by me duly sworn, did depose and say that he is Vice President of Morgan Guaranty Trust Company of New York, one of the corporations described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation; and that he signed his name thereto by like authority.

/s/ Joanne E. Ilse

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CARPENTER TECHNOLOGY CORPORATION AND SUBSIDIARIES  
EARNINGS PER COMMON SHARE COMPUTATIONS  
for the Three and Six Months Ended December 31, 1993 and 1992  
(in thousands, except per share data)

	Three Months		Six Months	
	1993	1992	1993	1992
Net Income (Loss) for Common Shares				
Income before cumulative effect of changes in accounting principles	\$ 7,360	\$ 1,914	\$10,132	\$ 4,566
Dividends accrued on convertible preferred stock, net of tax benefits	(413)	(411)	(819)	(817)
Income for primary earnings per common share before cumulative effect of changes in accounting principles	6,947	1,503	9,313	3,749
Cumulative effect of changes in accounting principles	-	-	-	(74,676)
Net income (loss) for primary earnings per common share	\$ 6,947	\$ 1,503	\$ 9,313	\$ (70,927)
Weighted Average Common Shares				
Weighted average number of common shares outstanding	7,999	7,964	7,994	8,056
Effect of shares issuable under the stock option plans	33	1	25	1
Weighted average common shares	8,032	7,965	8,019	8,057
Primary Earnings (Loss) Per Common Share				
Primary earnings per common share before cumulative effect of changes in accounting principles	\$ .86	\$ .19	\$ 1.16	\$ .47
Cumulative effect of changes in accounting principles	-	-	-	(9.32)
Primary earnings (loss) per common share	\$ .86	\$ .19	\$ 1.16	\$ (8.85)

Primary loss per common share for the cumulative effect of changes in accounting principles of \$(9.32) is computed using the weighted average common shares outstanding for the year ended June 30, 1993 of 8,009. The result is not materially different from using the weighted average shares for the six months ended December 31, 1992.

Earnings per common share before cumulative effect of changes in accounting principles on a fully diluted basis were substantially the same as primary earnings per common share before cumulative effect of changes in accounting principles.

Mr. John A. Schuler  
Treasurer  
Phone: (215) 208-2165

IMMEDIATE RELEASE

CARPENTER TECHNOLOGY TO REDEEM DEBT

Reading, PA (January 25, 1994) -- Carpenter Technology Corporation today announced that it will redeem \$55.3 million of high-coupon debt.

The debt to be redeemed will consist of the entire outstanding principal amount of its 12 7/8% sinking fund debentures due 2014. The redemption date for the debentures will be March 1, 1994. Notice of redemption of the debentures is being mailed today to holders of record of the debentures.

The redemption price for the 12 7/8% debentures will be \$1,061.62 per \$1,000 of principal amount of the debentures to be redeemed, consisting of the principal amount and a redemption premium. The premium paid for the redemption will result in an extraordinary charge of \$1.9 million after taxes (\$.24 per share) in the Company's third fiscal year quarter ending March 31, 1994. The debentures are being redeemed to reduce future interest costs.

Funding for the redemption will come from the Company's current credit facilities or through the issuance of Medium-Term

(more)

Carpenter Technology Corporation  
Reading, PA

January 25, 1994  
Page 2

Notes. The Company recently filed a shelf registration statement with the Securities and Exchange Commission for the issuance of up to \$100 million of Medium-Term Notes.

The redemption agent for the debentures is Morgan Guaranty Trust Company of New York, 60 Wall Street, New York, New York 10260.

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