

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here. ▶	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶	☐

Part II Basic Plan Information —enter all requested information		
1a Name of plan <u>ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN</u>	1b Three-digit plan number (PN) ▶	<u>002</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>EMS ENGINEERED MATERIALS SOLUTIONS, LLC</u> <u>39 PERRY AVENUE</u> <u>ATTLEBORO, MA 02703-2417</u>	1c Effective date of plan <u>11/06/2000</u>	2b Employer Identification Number (EIN) <u>26-0752055</u>
	2c Plan Sponsor's telephone number <u>508-342-2196</u>	2d Business code (see instructions) <u>332900</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/06/2023	LISA DOHERTY
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 429
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 341
a(2) Total number of active participants at the end of the plan year		6a(2) 327
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 84
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 411
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 0
f Total. Add lines 6d and 6e		6f 411
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 396
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2S 2T		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply)		9b Plan benefit arrangement (check all that apply)
(1) ☒ Insurance	(1) ☒ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts	(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust	(3) ☒ Trust	
(4) ☐ General assets of the sponsor	(4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules		b General Schedules
(1) ☒ R (Retirement Plan Information)	(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) ☐ I (Financial Information – Small Plan)	
(3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) ☒ 2 A (Insurance Information)	
	(4) ☒ C (Service Provider Information)	
	(5) ☐ D (DFE/Participating Plan Information)	
	(6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500. ► Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN	B Three-digit plan number (PN) ►	002
C Plan sponsor's name as shown on line 2a of Form 5500 EMS ENGINEERED MATERIALS SOLUTIONS, LLC	D Employer Identification Number (EIN) 26-0752055	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY
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(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
04-1590850	65935	MR 60763-1	0	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	0
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	0

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)**

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ **GROUP ANNUITY CONTRACT**

b	Balance at the end of the previous year	7b	6881521
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c	Additions: (1) Contributions deposited during the year	7c(1)	301672	
	(2) Dividends and credits	7c(2)	0	
	(3) Interest credited during the year	7c(3)	108564	
	(4) Transferred from separate account	7c(4)		
	(5) Other (specify below)	7c(5)	99710	

▶ **LOAN INT, LOAN PRIN, LOAN DEFAULT**

(6) Total additions	7c(6)	509946
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	7391467
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	537991	
(2) Administration charge made by carrier	7e(2)	14980	
(3) Transferred to separate account	7e(3)	1332234	
(4) Other (specify below)	7e(4)	5506262	

▶ **LOAN DISTRIBUTION, TRANSFER TO NEW CARRIER**

(5) Total deductions	7e(5)	7391467
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	0
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 EMS ENGINEERED MATERIALS SOLUTIONS, LLC	D Employer Identification Number (EIN) 26-0752055	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY
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(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
04-1590850	65935	769416-01	109	09/10/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	5485082
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	0

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ **GROUP ANNUITY CONTRACT**

b	Balance at the end of the previous year	7b	0
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c	Additions: (1) Contributions deposited during the year	7c(1)	119324	
	(2) Dividends and credits	7c(2)		
	(3) Interest credited during the year	7c(3)	50969	
	(4) Transferred from separate account	7c(4)	437865	
	(5) Other (specify below)	7c(5)	5423028	

▶ **LOAN REPAYMENTS, TRANSFER FROM SEPARATE CARRIER**

(6) Total additions	7c(6)	6031186
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	6031186
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e Deductions:

e	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	211078	
	(2) Administration charge made by carrier	7e(2)	3509	
	(3) Transferred to separate account	7e(3)	331517	
	(4) Other (specify below)	7e(4)		

(5) Total deductions	7e(5)	546104
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	5485082
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Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve.....	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	0
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs.....	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention.....		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement.....		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).).....		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN	B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 EMS ENGINEERED MATERIALS SOLUTIONS, LLC	D Employer Identification Number (EIN) 26-0752055

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MASS. MUTUAL LIFE INSURANCE COMPANY

04-1590850

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52 60 62 63 64 68 72	CONTRACT ADMINISTRATOR	76174	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

GLOBAL RETIREMENT PARTNERS LLC

47-1411118

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	INVESTMENT ADVISORY SERV	10492	Yes ☒ No ☐	Yes ☐ No ☒	34211	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

EMPOWER ANNUITY INSURANCE COMPANY O

8515 EAST ORCHARD ROAD
GREENWOOD VILLAGE, CO 80111

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
64	RECORDKEEPER	23599	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

THE ANGELL PENSION GROUP, INC.

04-2530412

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13	THIRD PARTY ADMIN	0	Yes ☒ No ☐	Yes ☐ No ☒	21471	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

GLOBAL RETIREMENT PARTNERS LLC

4340 REDWOOD HWY
SUITE B60
SAN RAFAEL, CA 94903

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	INVESTMENT ADVISOR	10492	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
GLOBAL RETIREMENT PARTNERS LLC	27	34211

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
GREAT WEST LIFE & ANNUITY INSURANCE 84-0467907	PLAN RELATED EXPENSES

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
THE ANGELL PENSION GROUP, INC.	13	21471

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
GREAT WEST LIFE & ANNUITY INSURANCE 84-0467907	EXPENSE REIMBURSEMENT TO THIRD PARTY

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN</u>	B Three-digit plan number (PN) ►	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>EMS ENGINEERED MATERIALS SOLUTIONS, LLC</u>	D Employer Identification Number (EIN) <u>26-0752055</u>	

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
	Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	665157	731978
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	26313347	23282760
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	6881521	5485082
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	33860025	29499820

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	33860025	29499820
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	863444	
(B) Participants	2a(1)(B)	1767231	
(C) Others (including rollovers)	2a(1)(C)	160127	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		2790802
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	26867	
(F) Other	2b(1)(F)	159533	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		186400
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	1479178	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		1479178
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-6188709
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-1732329
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2516734	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		2516734
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		25565
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	85577	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		85577
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2627876
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-4360205
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **ROEDL LANGFORD DE KOCK LLP**

(2) EIN: **58-2594719**

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		2000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(K) SAVINGS PLAN		B Three-digit plan number (PN) ► 002
C Plan sponsor's name as shown on line 2a of Form 5500 EMS ENGINEERED MATERIALS SOLUTIONS, LLC		D Employer Identification Number (EIN) 26-0752055
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-1590850 20-3691708 Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____

**ENGINEERED MATERIALS SOLUTIONS
CONTRIBUTION AND 401(k) SAVINGS PLAN**

FINANCIAL STATEMENTS
AND SUPPLEMENTAL SCHEDULE
AS OF DECEMBER 31, 2022 AND 2021
TOGETHER WITH
INDEPENDENT AUDITORS' REPORT

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
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DECEMBER 31, 2022

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All other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.

Rödl & Partner

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INDEPENDENT AUDITORS' REPORT

To the Participants of
Engineered Materials Solutions Contribution and 401(k) Savings Plan:

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of Engineered Materials Solutions Contribution and 401(k) Savings Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA") as permitted by ERISA Section 103(a)(3)(C) ("ERISA Section 103(a)(3)(C) audit"). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA ("qualified institution").

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and the procedures performed as described in the *Auditors' Responsibilities for the Audits of the Financial Statements* section:

The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

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- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America ("GAAS"). Our responsibilities under those standards are further described in the *Auditors' Responsibilities for the Audits of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date the financial statements are issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements conform with the Plan's provisions, including maintaining sufficient records with respect to each of the participants to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audits of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements are free from material misstatement, whether due to fraud or error and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance. Therefore, it is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users made on the basis of these financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

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- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter — Supplemental Schedule Required by ERISA

The supplemental schedule as of and for the year ended December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

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In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Rödl Langford de Kock LLP

New York, New York
October 5, 2023

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2022 AND 2021

	<u>2022</u>	<u>2021</u>
ASSETS		
Investments in mutual funds, at fair value	\$ 23,282,760	\$ 26,313,347
Investment in fully benefit-responsive investment contract, at contract value	5,485,082	6,881,521
Notes receivable from participants	<u>757,543</u>	<u>665,157</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u>\$ 29,525,385</u>	<u>\$ 33,860,025</u>

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEAR ENDED DECEMBER 31, 2022

	<u>2022</u>
ADDITIONS TO (DEDUCTIONS FROM) NET ASSETS ATTRIBUTED TO:	
Investment (loss):	
Net (depreciation) in fair value of investments	\$ (6,188,709)
Dividends and interest	<u>1,638,711</u>
Total investment (loss)	<u>(4,549,998)</u>
Interest income on notes receivable from participants	<u>26,867</u>
Contributions:	
Participant	1,767,231
Sponsor	863,444
Rollover	<u>160,127</u>
Total contributions	<u>2,790,802</u>
Total (reductions from) net assets	<u>(1,732,329)</u>
DEDUCTIONS FROM NET ASSETS ATTRIBUTED TO:	
Benefits paid to participants	2,516,734
Administrative fees	<u>85,577</u>
Total deductions from net assets	<u>2,602,311</u>
NET (DECREASE)	(4,334,640)
NET ASSETS AVAILABLE FOR BENEFITS - BEGINNING OF YEAR	<u>33,860,025</u>
NET ASSETS AVAILABLE FOR BENEFITS - END OF YEAR	<u><u>\$ 29,525,385</u></u>

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

1. DESCRIPTION OF THE PLAN

The following description of the Engineered Materials Solutions Contribution and 401(k) Savings Plan (the "Plan") provides only general information. Participants should refer to the Plan Adoption Agreement for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution retirement plan sponsored by Engineered Materials Solutions, LLC (the "Sponsor"). The Plan covers substantially all employees of the Sponsor. Employees are eligible to participate in the Plan upon the date of hire and are subject to automatic enrollment after 60 days of service. The Plan became effective on November 14, 2000, and is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended ("ERISA") and the Internal Revenue Code ("IRC").

Contributions

Participants may elect to contribute, on a pre-tax basis, any percentage of their compensation up to the applicable IRC limits. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants, not electing otherwise, are automatically enrolled to make salary deferral contributions to the Plan in the amount of 4% of their compensation. Deferrals between 1% and 7% automatically increase by 1% each year up to a maximum of 8% of compensation. Participants may also contribute amounts representing distributions from other qualified plans (rollovers).

The Sponsor makes matching contributions equal to 100% of the first 4% of the participant's elected deferral. The Sponsor, at its sole discretion, may also make profit-sharing contributions to the Plan annually on behalf of participants. Profit-sharing contributions are allocated amongst participants based upon the ratio that the participant's compensation for the Plan year bears to the total compensation for the Plan year of all participants. No discretionary profit-sharing contribution was made for the year ended December 31, 2022.

Investment options

The Plan's investment assets were held by Reliance Trust Company through February 1, 2022, and subsequently Empower Trust Company, LLC (the "Trustees"), the trustees of the Plan's investment assets. Under this arrangement with the Trustees and upon enrollment in the Plan, participants may direct contributions in any whole percentage increments into any of the available funds. Participants may change their allocation to the various investment options at any time.

Participant accounts

Each participant's account is credited with (a) the participant's contributions, (b) the Sponsor's contributions on behalf of the participant and (c) the earnings and losses of the participant's investments, and is charged with any expenses incurred as a result of transactions initiated by the participant. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

Participants are immediately vested in their contributions and the Sponsor's matching and profit-sharing contributions, plus actual earnings thereon.

Notes receivable from participants

Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested participant account balance excluding any amounts attributed to the Employers' fixed savings contributions. A participant may only have one outstanding loan at a time. The loans are secured by the vested balances in the participants' accounts and bear interest at rates commensurate with local prevailing rates as determined by the plan administrator. Principal and interest are repaid ratably through payroll deductions, and must be repaid within five years. Interest rates on loans outstanding at December 31, 2022 and 2021, and ranged from 3.25% to 7.00%.

Payment of benefits

Upon termination of employment, attainment of retirement age or for reasons of death or disability, participants may withdraw the balance of their account in the form of a lump sum or installment. Participants still employed with the Employers may withdraw all or a portion of their account balance upon attainment of age 59½ or for reasons of a financial hardship, as allowed under the IRC. A participant whose vested account balance does not exceed \$1,000 will receive a lump sum distribution of their vested account balance as soon as administratively feasible following termination. A participant whose vested account balance exceeds \$1,000 but does not exceed \$5,000 will have their balance automatically rolled over into an IRA in their name outside of the plan assets.

Administrative expenses

Administrative costs associated with certain participant-initiated transactions are paid by the Plan and are charged to the accounts of the participants who initiate the transactions. An asset management fee of .36% is also charged to the Plan and allocated to participants.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of accounting

The accompanying financial statements are prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America ("US GAAP").

Payment of benefits

Benefits are recorded when paid.

Use of estimates

The preparation of financial statements in accordance with US GAAP requires the Plan's management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Investment valuation and income recognition

Investments held by a defined contribution plan are required to be reported at fair value, except for fully benefit-responsive investment contracts. Contract value is the relevant measure for the portion of the net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan.

Investments, except for fully benefit-responsive investment contracts, are stated at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 6 for discussion of fair value measurements. Interest income is recorded when earned. Net appreciation/depreciation in the fair value of investments includes the Plan's gains and losses on investments purchased and sold as well as held during the year.

Notes receivable from participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest.

Expenses

Certain expenses incurred maintaining the Plan are paid directly by the Sponsor and are excluded from these financial statements. Investment-related expenses are included in net appreciation/depreciation of the fair value of investments

Subsequent events

The Sponsor has evaluated subsequent events through October 5, 2023, the date the financial statements were available to be issued.

3. INFORMATION PREPARED AND CERTIFIED BY THE TRUSTEES (UNAUDITED)

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the United States Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, as permitted under such election, the plan administrator instructed the Plan's independent auditors not to perform any auditing procedures with respect to the following information certified by the Trustees, except for comparing such information certified by the Trustees to information included in the Plan's financial statements and supplemental schedule.

The following information included in the Plan's financial statements and supplemental schedule was prepared and certified to be complete and accurate by the Trustees as of December 31, 2022 and 2021, and for the year ended December 31, 2022:

	<u>2022</u>	<u>2021</u>
Investments:		
Investments in mutual funds, at fair value	\$ 23,282,760	\$ 26,313,347
Investment in fully benefit-responsive investment contract, at contract value	<u>5,485,082</u>	<u>6,881,521</u>
	<u>\$ 28,767,842</u>	<u>\$ 33,194,868</u>
	<u>2022</u>	
Investment (loss):		
Net (depreciation) in fair value of investments	\$ (6,188,709)	
Interest and dividends	<u>1,638,711</u>	
	<u>\$ (4,549,998)</u>	

4. INVESTMENT CONTRACT WITH INSURANCE COMPANY

The Plan holds a guaranteed investment contract (the "Contract") with Massachusetts Mutual Life Insurance Company ("MassMutual"), which is a fully benefit-responsive investment contract. MassMutual maintains the contributions in a general account. The account is credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses. The Contract issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the Plan.

Because the Contract is fully benefit-responsive, contract value is the relevant measurement attribute for net assets available for benefits attributable to the Contract. Contract value, as reported to the Plan by MassMutual, represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

Certain events may limit the ability of the Plan to transact at contract value with the issuer. Such events include but may not be limited to the following: 1) the complete or partial termination of the Plan, 2) the establishment of, or material change in, any plan investment fund, or 3) an amendment to the Plan or a change in the administration or operation of the Plan. The plan administrator does not believe that the occurrence of any such event, which would limit the Plan's ability to transact at contract value with participants, is probable.

The Contract may be terminated by MassMutual upon the Plan's establishment, activation, or material change to any plan investment fund that MassMutual determines will prevent its ability to continue to operate the contract under the current terms. Termination of the Contract with MassMutual may result in the settlement of the outstanding balance at an amount that differs from contract value.

The Contract does not include a guaranteed minimum interest rate. Interest rates are adjusted semi-annually.

5. RELATED PARTY TRANSACTIONS

The Sponsor pays certain costs on behalf of the Plan for insurance, accounting, and custodial fees. The Sponsor also provides recordkeeping and administrative services to the Plan at no cost.

Certain investments of the plan are managed the Plan's third party recordkeeper and trustee. As such, these transactions qualify as party-in-interest transactions under ERISA.

6. FAIR VALUE MEASUREMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy are described as follows:

Level 1

Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2

Inputs to the valuation methodology include:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3

Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. The following is a description of the valuation methodologies used for assets measured at fair value. There were no changes in the methodologies used during the year ended December 31, 2022.

- Mutual funds: Valued at the net asset value ("NAV") of shares held by the Plan at year end. Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Sponsor believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following table sets forth by level, within the fair value hierarchy, the Plan's investments at fair value as of December 31, 2022 and 2021:

Investments at fair value as of December 31, 2022				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 23,282,760	\$ -	\$ -	\$ 23,282,760
Investments at fair value as of December 31, 2021				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 26,313,347	\$ -	\$ -	\$ 26,313,347

7. RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

8. TAX STATUS

The IRS has determined and informed the Sponsor by letter dated August 8, 2017, that the Plan is designed in accordance with the applicable sections of the IRC. Though the Plan has been amended since receipt of this determination letter, the plan administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable provisions of the IRC. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Accounting principles generally accepted in the United States of America require the Plan's management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by taxing authorities. The Plan is subject to routine audits by taxing jurisdictions; however, there are no audits for any tax periods in progress, and the Sponsor believes that the Plan is no longer subject to income tax examinations for years prior 2019.

9. RECONCILIATION TO FORM 5500

The following is a reconciliation of the Plan's net assets available for benefits and net decrease in net assets available for benefits as reported in the accompanying financial statements and those amounts reported on Form 5500 as of December 31, 2022 and 2021, and for the year ended December 31, 2022:

	2022	2021
Net assets available for benefits per the financial statements	\$ 29,525,385	\$ 33,860,025
Participant deemed distributed loans	(25,565)	-
Net assets available for benefits per Form 5500	\$ 29,499,820	\$ 33,860,025
	2022	
Net (decrease) in net assets available for benefits per the financial statements	\$ (4,334,640)	
Participant deemed distributed loans	(25,565)	
Net (decrease) in net assets available for benefits per Form 5500	\$ (4,360,205)	

10. PLAN TERMINATION

Although they have not expressed any intent to do so, the Sponsor has the right under the Plan to discontinue their contributions at any time and to terminate the Plan subject to the provisions of ERISA.

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
 EIN 26-0752055; PLAN #002
 SCHEDULE H, LINE 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR)
 DECEMBER 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party	Description of investment including maturity date, rate of interest, collateral, par, or maturity value	Cost	Current value
	<u>Mutual funds</u>			
	JP Morgan	JPMorgan SmartRetirement 2025 A	**	\$ 2,954,726
	MFS Investment Management	MFS Growth R4	**	2,102,578
	Fidelity Investments	Fidelity 500 Index	**	1,966,458
	JP Morgan	JPMorgan SmartRetirement 2030 A	**	1,826,554
	JP Morgan	JPMorgan SmartRetirement 2035 A	**	1,753,582
	T. Rowe Price	T. Rowe Price Instl Small-Cap Stock	**	1,736,116
*	MassMutual Select	Massmutual Mid Cap Growth R5	**	1,456,820
	American Funds	American Funds American Balanced R6	**	1,326,186
	American Funds	American Funds EuroPacific Gr R6	**	1,270,621
	Legg Mason	Western Asset Core Bond I	**	918,826
	Columbia	Columbia Dividend Income Instl 3	**	912,384
	JP Morgan	JPMorgan SmartRetirement 2020 A	**	815,095
	JP Morgan	JPMorgan SmartRetirement 2045 A	**	752,334
	JP Morgan	JPMorgan SmartRetirement 2050 A	**	708,351
	JP Morgan	JP Morgan Mid Cap Value L	**	562,088
	JP Morgan	JPMorgan SmartRetirement Income A	**	553,601
	Victory	Victory Sycamore Small Co Opportunity I	**	540,776
	JP Morgan	JPMorgan SmartRetirement 2040 A	**	488,129
*	MassMutual Premier	MassMutual High Yield Service	**	417,739
	JP Morgan	JPMorgan SmartRetirement 2060 A	**	149,189
	JP Morgan	JPMorgan SmartRetirement 2055 A	**	64,880
*	MassMutual Premier	MassMutual US Government Mny Mkt Fd	**	5,674
*	MassMutual Premier	MassMutual Us Government Money Market Fund	**	53
				<u>23,282,760</u>
	<u>Guaranteed portfolio fund</u>			
	Massachusetts Mutual Life Insurance Company	SAGIC Diversified Bond	**	5,485,082
	Notes receivable from plan participants	Maturities from 2023 through 2027 Interest rates from 3.25% to 7.00%,		<u>757,543</u>
				<u>\$ 29,525,385</u>

*Indicates a party-in-interest to the Plan.

**Cost information omitted – not required for participant directed funds.

NOTE: Information in the above schedule except for participant loan information was derived from schedules certified by Empower Trust Company, LLC.

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I Annual Report Identification Information	For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>
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A This return/report is for:

☐ a multiemployer plan	☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
☒ a single-employer plan	☐ a DFE (specify) _____

B This return/report is:

☐ the first return/report	☐ the final return/report
☐ an amended return/report	☐ a short plan year return/report (less than 12 months)

C If the plan is a collectively-bargained plan, check here. ☐

D Check box if filing under:

☒ Form 5558	☐ automatic extension	☐ the DFVC program
☐ special extension (enter description) _____		

E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ☐

Part II Basic Plan Information —enter all requested information											
1a Name of plan Engineered Materials Solutions Contribution and 401(k) Savings Plan	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;">002</td> </tr> <tr> <td colspan="2">1c Effective date of plan 11/06/2000</td> </tr> <tr> <td colspan="2">2b Employer Identification Number (EIN) 26-0752055</td> </tr> <tr> <td colspan="2">2c Plan Sponsor's telephone number 508-342-2196</td> </tr> <tr> <td colspan="2">2d Business code (see instructions) 332900</td> </tr> </table>	1b Three-digit plan number (PN) ▶	002	1c Effective date of plan 11/06/2000		2b Employer Identification Number (EIN) 26-0752055		2c Plan Sponsor's telephone number 508-342-2196		2d Business code (see instructions) 332900	
1b Three-digit plan number (PN) ▶	002										
1c Effective date of plan 11/06/2000											
2b Employer Identification Number (EIN) 26-0752055											
2c Plan Sponsor's telephone number 508-342-2196											
2d Business code (see instructions) 332900											
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) EMS Engineered Materials Solutions, LLC 39 Perry Avenue Attleboro MA 02703-2417											

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Lisa Doherty	10/6/23	
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Lisa Doherty	10/6/23	
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN 3c Administrator's telephone number 																				
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN																				
5 Total number of participants at the beginning of the plan year		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; border: 1px solid black; text-align: center;">5</td> <td style="border: 1px solid black; text-align: right;">429</td> </tr> </table>	5	429																		
5	429																					
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="background-color: #cccccc; height: 20px;"></td> </tr> <tr> <td style="width: 10%; border: 1px solid black; text-align: center;">6a(1)</td> <td style="border: 1px solid black; text-align: right;">341</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6a(2)</td> <td style="border: 1px solid black; text-align: right;">327</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6b</td> <td style="border: 1px solid black; text-align: right;">0</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6c</td> <td style="border: 1px solid black; text-align: right;">84</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6d</td> <td style="border: 1px solid black; text-align: right;">411</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6e</td> <td style="border: 1px solid black; text-align: right;">0</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6f</td> <td style="border: 1px solid black; text-align: right;">411</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6g</td> <td style="border: 1px solid black; text-align: right;">396</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6h</td> <td style="border: 1px solid black; text-align: right;">0</td> </tr> </table>			6a(1)	341	6a(2)	327	6b	0	6c	84	6d	411	6e	0	6f	411	6g	396	6h	0
6a(1)	341																					
6a(2)	327																					
6b	0																					
6c	84																					
6d	411																					
6e	0																					
6f	411																					
6g	396																					
6h	0																					
a(1) Total number of active participants at the beginning of the plan year																						
a(2) Total number of active participants at the end of the plan year																						
b Retired or separated participants receiving benefits																						
c Other retired or separated participants entitled to future benefits																						
d Subtotal. Add lines 6a(2) , 6b , and 6c																						
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.																						
f Total. Add lines 6d and 6e																						
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)																						
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested																						
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; border: 1px solid black; text-align: center;">7</td> <td style="border: 1px solid black;"></td> </tr> </table>	7																			
7																						
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2S 2T																						
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:																						
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor																					
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)																						
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 2 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☐ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)																					

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

ENGINEERED MATERIALS SOLUTIONS CONTRIBUTION AND 401(k) SAVINGS PLAN
 EIN 26-0752055; PLAN #002
 SCHEDULE H, LINE 4i – SCHEDULE OF ASSETS (HELD AT END OF YEAR)
 DECEMBER 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party	Description of investment including maturity date, rate of interest, collateral, par, or maturity value	Cost	Current value
	<u>Mutual funds</u>			
	JP Morgan	JPMorgan SmartRetirement 2025 A	**	\$ 2,954,726
	MFS Investment Management	MFS Growth R4	**	2,102,578
	Fidelity Investments	Fidelity 500 Index	**	1,966,458
	JP Morgan	JPMorgan SmartRetirement 2030 A	**	1,826,554
	JP Morgan	JPMorgan SmartRetirement 2035 A	**	1,753,582
	T. Rowe Price	T. Rowe Price Instl Small-Cap Stock	**	1,736,116
*	MassMutual Select	Massmutual Mid Cap Growth R5	**	1,456,820
	American Funds	American Funds American Balanced R6	**	1,326,186
	American Funds	American Funds EuroPacific Gr R6	**	1,270,621
	Legg Mason	Western Asset Core Bond I	**	918,826
	Columbia	Columbia Dividend Income Instl 3	**	912,384
	JP Morgan	JPMorgan SmartRetirement 2020 A	**	815,095
	JP Morgan	JPMorgan SmartRetirement 2045 A	**	752,334
	JP Morgan	JPMorgan SmartRetirement 2050 A	**	708,351
	JP Morgan	JP Morgan Mid Cap Value L	**	562,088
	JP Morgan	JPMorgan SmartRetirement Income A	**	553,601
	Victory	Victory Sycamore Small Co Opportunity I	**	540,776
	JP Morgan	JPMorgan SmartRetirement 2040 A	**	488,129
*	MassMutual Premier	MassMutual High Yield Service	**	417,739
	JP Morgan	JPMorgan SmartRetirement 2060 A	**	149,189
	JP Morgan	JPMorgan SmartRetirement 2055 A	**	64,880
*	MassMutual Premier	MassMutual US Government Mny Mkt Fd	**	5,674
*	MassMutual Premier	MassMutual Us Government Money Market Fund	**	53
				<u>23,282,760</u>
	<u>Guaranteed portfolio fund</u>			
	Massachusetts Mutual Life Insurance Company	SAGIC Diversified Bond	**	5,485,082
	Notes receivable from plan participants	Maturities from 2023 through 2027 Interest rates from 3.25% to 7.00%,		<u>757,543</u>
				<u><u>\$ 29,525,385</u></u>

*Indicates a party-in-interest to the Plan.

**Cost information omitted – not required for participant directed funds.

NOTE: Information in the above schedule except for participant loan information was derived from schedules certified by Empower Trust Company, LLC.