

**Form 5500-SF**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration  
Pension Benefit Guaranty Corporation

**Short Form Annual Return/Report of Small Employee Benefit Plan**

This form is required to be filed 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-SF.**

OMB Nos. 1210-0110  
1210-0089

**2023**

**This Form is Open to Public Inspection**

**Part I Annual Report Identification Information**

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 10/31/2023

- A** This return/report is for:  a single-employer plan  a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)
- 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** Check box if filing under:  Form 5558  automatic extension  DFVC program  
 special extension (enter description)
- D** If the plan is a collectively-bargained plan, check here ..... ▶
- 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**

<b>1a</b> Name of plan MARTIN MECHANICAL DESIGN, INC. CASH BALANCE PLAN		<b>1b</b> Three-digit plan number (PN) ▶	002
		<b>1c</b> Effective date of plan	01/01/2019
<b>2a</b> 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) MARTIN MECHANICAL DESIGN, INC.  1201 25TH AVE N. FARGO, ND 58102		<b>2b</b> Employer Identification Number (EIN)	45-0458534
		<b>2c</b> Sponsor's telephone number	701-293-7957
		<b>2d</b> Business code (see instructions)	541330
<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.		<b>3b</b> Administrator's EIN	
		<b>3c</b> Administrator's telephone number	
<b>4</b> 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. <b>a</b> Sponsor's name <b>c</b> Plan Name		<b>4b</b> EIN	
		<b>4d</b> PN	
<b>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b>	14	
<b>b</b> Total number of participants at the end of the plan year.....	<b>5b</b>	0	
<b>c(1)</b> Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) .....	<b>5c(1)</b>		
<b>c(2)</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) .....	<b>5c(2)</b>		
<b>d(1)</b> Total number of active participants at the beginning of the plan year.....	<b>5d(1)</b>	12	
<b>d(2)</b> Total number of active participants at the end of the plan year.....	<b>5d(2)</b>	0	
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<b>5e</b>	0	

**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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	07/15/2024	LISA DESPIEGLER
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	07/15/2024	LISA DESPIEGLER
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.).....  Yes  No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.).....  Yes  No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? .....  Yes  No  Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year \_\_\_\_\_ (See instructions.)

<b>Part III Financial Information</b>			
<b>7</b> Plan Assets and Liabilities		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	269560	0
<b>b</b> Total plan liabilities .....	<b>7b</b>		0
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b>	269560	0
<b>8</b> Income, Expenses, and Transfers for this Plan Year		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>	2064	
<b>(2)</b> Participants .....	<b>8a(2)</b>	0	
<b>(3)</b> Others (including rollovers) .....	<b>8a(3)</b>		
<b>b</b> Other income (loss) .....	<b>8b</b>	11691	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		13755
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	<b>8d</b>	283315	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) .	<b>8e</b>		
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>	0	
<b>g</b> Other expenses .....	<b>8g</b>	0	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		283315
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		-269560
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>		

<b>Part IV Plan Characteristics</b>	
<b>9a</b>	If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions: 1A 1C 3D
<b>b</b>	If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

<b>Part V Compliance Questions</b>		Yes	No	Amount
<b>10</b>	During the plan year:			
<b>a</b>	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) .....		X	
<b>b</b>	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....		X	
<b>c</b>	Was the plan covered by a fidelity bond? .....	X		45000
<b>d</b>	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....		X	
<b>e</b>	Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.) .....		X	
<b>f</b>	Has the plan failed to provide any benefit when due under the plan? .....		X	
<b>g</b>	Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....		X	
<b>h</b>	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....			
<b>i</b>	If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....			

**Part VI Pension Funding Compliance**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below.  Yes  No

**a** Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 0

**b** **PBGC missed contribution reporting requirements.** If the plan is covered by PBGC and the amount reported on line 11a is greater than \$0, 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 \_\_\_\_\_

**12** Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA?  Yes  No  
 (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above.

**a** 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 letter ruling granting the waiver. Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.**

**b** Enter the minimum required contribution for this plan year **12b**

**c** Enter the amount contributed by the employer to the plan for this plan year **12c**

**d** Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) **12d**

**e** Will the minimum funding amount reported on line 12d be met by the funding deadline?  Yes  No  N/A

**Part VII Plan Terminations and Transfers of Assets**

**13a** Has a resolution to terminate the plan been adopted in any plan year?  Yes  No

**a** If "Yes," enter the amount of any plan assets that reverted to the employer this year. **13a** 0

**b** Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?  Yes  No

**c** 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.)

<b>13c(1)</b> Name of plan(s):	<b>13c(2)</b> EIN(s)	<b>13c(3)</b> PN(s)

**Part VIII IRS Compliance Questions**

**14a** Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules?  Yes  No

**14b** If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

- Design-based safe harbor method
- "Prior year" ADP test
- "Current year" ADP test
- N/A

**15** If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter 11/02/2015 (MM/DD/YYYY) and the Opinion Letter serial number J501826A.

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  <b>▶ File as an attachment to Form 5500 or 5500-SF.</b>	<small>OMB No. 1210-0110</small>  <b>2023</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 10/31/2023

▶ **Round off amounts to nearest dollar.**  
 ▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan <u>MARTIN MECHANICAL DESIGN, INC. CASH BALANCE PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶	<u>002</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>MARTIN MECHANICAL DESIGN, INC.</u>	<b>D</b> Employer Identification Number (EIN) <u>45-0458534</u>	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500	

**Part I Basic Information**

<b>1</b> Enter the valuation date:	Month <u>01</u>	Day <u>01</u>	Year <u>2023</u>	
<b>2</b> Assets:				
<b>a</b> Market value .....	<b>2a</b>	<u>269004</u>		
<b>b</b> Actuarial value .....	<b>2b</b>	<u>269004</u>		
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target	
<b>a</b> For retired participants and beneficiaries receiving payment .....	<u>0</u>	<u>0</u>	<u>0</u>	
<b>b</b> For terminated vested participants .....	<u>2</u>	<u>1622</u>	<u>1622</u>	
<b>c</b> For active participants .....	<u>12</u>	<u>312073</u>	<u>317071</u>	
<b>d</b> Total .....	<u>14</u>	<u>313695</u>	<u>318693</u>	
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) .....	<input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>			
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>			
<b>5</b> Effective interest rate .....	<b>5</b>	<u>5.11 %</u>		
<b>6</b> Target normal cost				
<b>a</b> Present value of current plan year accruals .....	<b>6a</b>	<u>0</u>		
<b>b</b> Expected plan-related expenses .....	<b>6b</b>	<u>0</u>		
<b>c</b> Target normal cost .....	<b>6c</b>	<u>0</u>		

**Statement by Enrolled Actuary**  
 To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>  Signature of actuary  <u>JAMES F. FEUERBACH</u> Type or print name of actuary  <u>CASH BALANCE ACTUARIES, LLC</u> Firm name  <u>970 IRIS CIR.</u> <u>EXCELSIOR, MN 55331</u>  Address of the firm	<u>12/22/2023</u> Date  <u>23-07503</u> Most recent enrollment number  <u>952-500-8696</u> Telephone number (including area code)
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If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions



<b>Part V Assumptions Used to Determine Funding Target and Target Normal Cost</b>			
<b>21</b> Discount rate:			
<b>a</b> Segment rates:	1st segment: 4.75 %	2nd segment: 5.00 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....			<b>21b</b> 0
<b>22</b> Weighted average retirement age .....			<b>22</b> 62
<b>23</b> Mortality table(s) (see instructions)	<input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute		

<b>Part VI Miscellaneous Items</b>			
<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment..... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. .... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>26</b> Demographic and benefit information			
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. .... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ... <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....			<b>27</b>

<b>Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years</b>			
<b>28</b> Unpaid minimum required contributions for all prior years .....			<b>28</b> 0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....			<b>29</b> 0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....			<b>30</b> 0

<b>Part VIII Minimum Required Contribution For Current Year</b>			
<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....			<b>31a</b> 0
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....			<b>31b</b> 0
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	49689	1896	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....			<b>33</b>
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....			<b>34</b> 1896
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....			<b>36</b> 1896
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....			<b>37</b> 1995
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)			<b>38a</b> 99
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....			<b>38b</b> 0
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....			<b>39</b> 0
<b>40</b> Unpaid minimum required contributions for all years .....			<b>40</b> 0

<b>Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)</b>			
<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021			

<b>Martin Mechanical Design, Inc.</b> <b>Cash Balance Plan</b> <b>Actuarial Valuation Date: January 1, 2023</b> <b>EIN: 45-0458534; Plan Number: 002</b>
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**Schedule SB, Line 22 - Description of Weighted Average Retirement Age**

All employees are assumed to retire at their Normal Retirement Age or, if later, one year from the valuation date.

The weighted average retirement age is 62.

(A) Assumed Retirement Age	(B) Participant Count	(C) = (A) * (B) Weighted Ages
62	11	56.8
65	1	5.4
<b>Active Participant Count:</b>		12
<b>Weighted Average Retirement Age:</b>		62

<b>Martin Mechanical Design, Inc.</b> <b>Cash Balance Plan</b> <b>Actuarial Valuation Date: January 1, 2023</b> <b>EIN: 45-0458534; Plan Number: 002</b>
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**Appendix B**  
**Schedule SB, Part V - Summary of Actuarial Assumptions and Methods**

**Investment Return**

<u>Funding Yield Curve Segment Rates</u>	<u>Unadjusted Rates*</u>	<u>Adjusted Rates*</u>
1st Segment	2.13%	4.75%
2nd Segment	3.62%	5.00%
3rd Segment	3.93%	5.74%
 <u>Other Valuation Rates</u>		
Project Hypothetical Accounts	3.00%	
Salary Scale	0.00%	
Effective Interest Rate	5.11%	

**Explicit Provision for Expenses**

Equal to prior year administrative expenses of \$0.

**Assumed Form of Distribution**

Probability of Lump Sum	100.00%
Probability of Annuity	0.00%

**Mortality Rates**

	<u>Pre-Retirement</u>	<u>Post-Retirement</u>
Funding	None	2023 Applicable*
Actuarial Equivalence	None	2023 Applicable

**Disability Rates**

None.

**Withdrawal Rates**

None.

**Retirement Age**

Participants are assumed to retire on the later of (1) the Valuation Date nearest Normal Retirement Date, or (2) the end of the current Plan Year.

**Actuarial Value of Assets**

Market Value as reported by the sponsor.

**Marriage Rates**

None.

**Changes in Methods or Assumptions**

No assumptions or methods were changed other than those required by IRC section 430.

\* These assumptions are prescribed by law under IRC Section 430 and are not set at our discretion.

**SCHEDULE SB  
(Form 5500)**

Department of the Treasury  
Internal Revenue Service

Department of Labor  
Employee Benefits Security Administration  
Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan  
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

**2022**

**This Form is Open to Public Inspection**

For calendar plan year 2022 or fiscal plan year beginning 01/01/2023 and ending 05/31/2023

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Martin Mechanical Design, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶	002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Martin Mechanical Design, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0458534	
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B		
<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500		

Part I	Basic Information	
<b>1</b>	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2023</u>	
<b>2</b>	Assets:	
	<b>a</b> Market value .....	<b>2a</b> 269,004
	<b>b</b> Actuarial value .....	<b>2b</b> 269,004
<b>3</b>	Funding target/participant count breakdown	
	<b>a</b> For retired participants and beneficiaries receiving payment .....	(1) Number of participants: 0 (2) Vested Funding Target: 0 (3) Total Funding Target: 0
	<b>b</b> For terminated vested participants .....	2 1,622 1,622
	<b>c</b> For active participants .....	12 312,073 317,071
	<b>d</b> Total .....	14 313,695 318,693
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b)..... <input type="checkbox"/>	
	<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>
	<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>
<b>5</b>	Effective interest rate .....	<b>5</b> 5.11%
<b>6</b>	Target normal cost .....	
	<b>a</b> Present value of current plan year accruals .....	<b>6a</b> 0
	<b>b</b> Expected plan-related expenses .....	<b>6b</b> 0
	<b>c</b> Total (line 6a + line 6b) .....	<b>6c</b> 0

**Statement by Enrolled Actuary**  
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>	James F. Feuerbach	12/22/2023
	Signature of actuary	Date
	James F. Feuerbach	2307503
	Type or print name of actuary	Most recent enrollment number
	Cash Balance Actuaries, LLC	952-500-8696
	Firm name	Telephone number (including area code)
	970 Iris Cir.	
	Excelsior MN 55331	
	Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions

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

Schedule SB (Form 5500) 2022  
v. 220413



**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

**21** Discount rate:

<b>a</b> Segment rates:	1st segment: 4.75 %	2nd segment: 5.00 %	3rd segment: 5.74 %	<input type="checkbox"/> N/A, full yield curve used
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**b** Applicable month (enter code) ..... **21b** 0

**22** Weighted average retirement age ..... **22** 62

**23** Mortality table(s) (see instructions)  Prescribed - combined  Prescribed - separate  Substitute

**Part VI Miscellaneous Items**

**24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....  Yes  No

**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.....  Yes  No

**26** Demographic and benefit information

**a** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....  Yes  No

**b** Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...  Yes  No

**27** If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment..... **27**

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

**31** Target normal cost and excess assets (see instructions):

<b>a</b> Target normal cost (line 6c) .....	<b>31a</b>	0
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	0

<b>32</b> Amortization installments:	Outstanding Balance	Installment
<b>a</b> Net shortfall amortization installment .....	49,689	1,896
<b>b</b> Waiver amortization installment.....	0	0

**33** If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_ ) and the waived amount ..... **33**

<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	<b>34</b>	1,896
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	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0

**36** Additional cash requirement (line 34 minus line 35) ..... **36** 1,896

**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) ..... **37** 1,995

**38** Present value of excess contributions for current year (see instructions)

<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	99
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances.....	<b>38b</b>	0

**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) ..... **39** 0

**40** Unpaid minimum required contributions for all years ..... **40** 0

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

**41** If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies.  2019  2020  2021

**Martin Mechanical Design, Inc.**  
**Cash Balance Plan**  
**Actuarial Valuation Date: January 1, 2023**  
**EIN: 45-0458534; Plan Number: 002**

**DEVELOPMENT OF NEW SHORTFALL AMORTIZATION INSTALLMENT**

**EXHIBIT 3**

1. Requirement to Fully Amortize All Bases	
a. Funding Target	318,693
b. Market Value of Assets	269,004
c. Carryover Balance	0
d. Prefunding Balance	0
e. Funding Shortfall [ a - b + c + d, not less than zero ]	49,689
f. Fully Amortize All Bases: 'Fully Amortize' if e = zero; else, 'Not Eligible'	Not Eligible
2. Exemption from Creating New Shortfall Amortization Base	
a. Funding Target	318,693
b. Market Value of Assets	269,004
c. Prefunding Balance used to reduce Minimum Required Contribution	0
d. Exemption: 'Exempt' if ( b - c ) >= a; else, 'Not Exempt'	Not exempt
3. Present Value of Prior Shortfall Amortization Installments	0
4. New Shortfall Amortization Base [ If 2d is 'Exempt' then zero; else, 1e - 3 ]	49,689
5. New Shortfall Amortization Installment	1,896

**Schedule SB, Line 32a - Schedule of Shortfall Amortization Bases**

Year Established	Shortfall Amortization Bases	Shortfall Amortization Installments	Present Value of Installments	Years Remaining
2023	49,689	1,896	49,689	15
<b>Totals</b>		1,896	49,689	

**Martin Mechanical Design, Inc.**  
**Cash Balance Plan**  
**Actuarial Valuation Date: January 1, 2023**  
**EIN: 45-0458534; Plan Number: 002**

**Appendix C**  
**Schedule SB, Part V - Summary of Principal Plan Provisions**

**Employer and Plan Data**

Initial Effective Date	January 1, 2019
Plan Year Begins	January 1, 2023
Plan Year Ends	December 31, 2023
Valuation Date	January 1, 2023

**Eligibility Requirements**

Service	One Year
Entry Dates	Dual
Age	21
Excluded Groups	Collectively Bargained; Nonresident Aliens; Leased Employees

**Normal Retirement Age**

Date of attainment of the later of age 62 or fifth anniversary of participation.

**Retirement Benefits**

Actuarial Equivalent of the Participant's Hypothetical Account Balance.

**Hypothetical Account**

A theoretical account that is maintained for each participant. Each account is credited annually with (a) interest at 3%, plus (b) an allocation following the terms of the Plan Document.

**Vesting**

100% vested upon completion of three years of vesting service. Years of service prior to the initial effective date of the plan are excluded.

**Death**

100% of the Participant's Hypothetical Account.

**Disability**

100% of the Participant's Hypothetical Account.

**Plan Amendments**

The Cash Balance Allocation for NHCE Vernon Hanson was increased \$38.52 to pass 401(a)26 meaningful benefits tests. The plan was terminated effective May 31, 2022.