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

2018

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

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.)
- [X] 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:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

1b Three-digit plan number (PN) ▶ 001

1c Effective date of plan 01/01/1969

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)

BARR AND BARR, INC.

460 WEST 34TH STREET
10TH FLOOR
NEW YORK, NY 10001

2b Employer Identification Number (EIN)
13-0469970

2c Plan Sponsor's telephone number
212-563-2330

2d Business code (see instructions)
236200

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.	09/24/2019	LINDA MORANO
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	09/24/2019	LINDA MORANO
	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

3a	Plan administrator's name and address [X] 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**	165
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)**	117
a(2)	Total number of active participants at the end of the plan year	**6a(2)**	114
b	Retired or separated participants receiving benefits	**6b**	1
c	Other retired or separated participants entitled to future benefits	**6c**	52
d	Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	167
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	0
f	Total. Add lines **6d** and **6e**.	**6f**	167
g	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	164
h	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	6
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 2J 2A 2F 2G 2K 3D 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)	[X] Insurance	**(1)**	[X] Insurance
(2)	[ ] Code section 412(e)(3) insurance contracts	**(2)**	[ ] Code section 412(e)(3) insurance contracts
(3)	[X] Trust	**(3)**	[X] 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

- **(1)** [X] **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)** [X] **H** (Financial Information)
- **(2)** [ ] **I** (Financial Information – Small Plan)
- **(3)** [X] 1 **A** (Insurance Information)
- **(4)** [X] **C** (Service Provider Information)
- **(5)** [X] **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 2018 Form M-1 annual report. If the plan was not required to file the 2018 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

2018

This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
BARR AND BARR, INC.

D Employer Identification Number (EIN)
13-0469970

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.

1 Coverage Information:

(a) Name of insurance carrier
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY

(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	SF 51727	167	01/01/2018	12/31/2018

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		
	(c) Amount	**(d)** Purpose	**(e)** Organization code

(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		
	(c) Amount	**(d)** Purpose	**(e)** Organization code

(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	
5	Current value of plan's interest under this contract in separate accounts at year end	5	13707740

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.	6d	

Specify nature of costs ▶

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	8642341
c	Additions: (1) Contributions deposited during the year	7c(1)	1426134		
	(2) Dividends and credits	7c(2)	0		
	(3) Interest credited during the year	7c(3)	246189		
	(4) Transferred from separate account	7c(4)	0		
	(5) Other (specify below)	7c(5)	481778		
	▶ LN INT, LN PRIN, LOAN DEFAULT, ROLL				
	(6) Total additions			7c(6)	2154101
d	Total of balance and additions (add lines **7b** and **7c(6)**)			7d	10796442
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	1385346		
	(2) Administration charge made by carrier	7e(2)	27321		
	(3) Transferred to separate account	7e(3)	1555247		
	(4) Other (specify below)	7e(4)	60193		
	▶ LN DISTRIB				
	(5) Total deductions			7e(5)	3028107
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			7f	7768335

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)**	
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)**	
(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)**	
(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 C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2018** **This Form is Open to Public Inspection.**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
BARR AND BARR, INC.

D Employer Identification Number (EIN)
13-0469970

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

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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)

MASSACHUSETTS MUTUAL LIFE INS. CO.

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?
49 52 60 64 68 72	CONTRACT ADMINISTRATOR	96139	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [X] No [ ]

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

M HOLDINGS SECURITIES INC.

91-1802259

(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	0	Yes [X] No [ ]	Yes [ ] No [X]	43190	Yes [ ] No [X]

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

AMERICAN CENTURY

43-1646043

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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)

AMERICAN FUNDS

94-6050854

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

AMERICAN FUNDS

95-1411037

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

AMERICAN FUNDS

95-2817150

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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)

COLUMBIA

93-0577450

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

DIMENSIONAL FUND ADVISORS

36-3129984

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

GOLDMAN SACHS

13-4166989

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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)

INVESCO

13-2576643

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

LEGG MASON

13-4146187

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

LORD ABBETT

13-3712440

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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)

METROPOLITAN WEST ASSET MANAGEMENT

95-4597302

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

PRINCIPAL INVESTORS

91-1801401

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

PUTNAM

04-6746612

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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 HARTFORD

13-3317783

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

THE HARTFORD

22-2937447

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

VANGUARD

23-1711688

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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)

VANGUARD

23-1999755

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] No [ ]

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

VICTORY

31-6364605

(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	INVESTMENT PROVIDER	0	Yes [X] No [ ]	Yes [ ] No [X]	0	Yes [X] 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
MASSACHUSETTS MUTUAL LIFE INS. CO.	72 52	0

(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.
PREM U.S. GOVT MONEY MRKT BARINGS 04-3212059	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
PRM OPPENHEIMER FDS SM CP OPP 04-3424705	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
SELECT MID CAP GR TRP FRONTIER 04-3512596	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
PREMIER HIGH YIELD BARINGS 04-3520009	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
SELECT TRP LS BLUE CHIP GROWTH 04-3556992	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0

(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.
GOLDMAN SACHS SM CAP GR INSIGHTS FD 13-4166989	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	49	0

(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.
MILLENNIUM TRUST COMPANY, LLC 36-4400066	REFERRAL FEE

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM S&P MID CAP INDEX NRTN TR 45-5349772	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2015 82-3382389	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2020 82-3396442	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2025 82-3417420	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2030 82-3430358	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2035 82-3439837	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2040 82-3451779	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2045 82-3472295	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2050 82-3481715	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2055 82-3502011	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET 2060 82-3525148	BASIS POINTS * PLAN ASSETS

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
MASSACHUSETTS MUTUAL LIFE INS. CO.	52	0

(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.
MM SEL T. ROWE PRICE RET BAL 82-3533944	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
MASSACHUSETTS MUTUAL LIFE INS. CO.	60	0

(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.
REAL ESTATE SECURITIES PRINCIPAL 91-1801401	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
M HOLDINGS SECURITIES INC.	27	43190

(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.
MASSACHUSETTS MUTUAL LIFE INS. CO. 04-1590850	PLAN RELATED EXPENSES

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
AMERICAN CENTURY	52	0

(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.
AMERICAN CENTURY MID CAP VALUE FUND 43-1646043	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
AMERICAN FUNDS	52	0

(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.
AMERICAN FUNDS BALANCED FUND 94-6050854	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
AMERICAN FUNDS	52	0

(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.
AMERICAN FUNDS NEW WORLD FUND 95-1411037	BASIS POINTS * PLAN ASSETS

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
AMERICAN FUNDS	52	0

(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.
AMERICAN FUNDS NEW PERSPECTIVE FUND 95-2817150	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
COLUMBIA	52	0

(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.
COLUMBIA INCOME OPPORTUNITIES FUND 93-0577450	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
DIMENSIONAL FUND ADVISORS	52	0

(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.
DFA INTL SMALL COMPANY FD 36-3129984	BASIS POINTS * PLAN ASSETS

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
DIMENSIONAL FUND ADVISORS	52	0

(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.
DFA US LARGE CAP VALUE 36-3129984	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
GOLDMAN SACHS	52	0

(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.
GOLDMAN SACHS SM CAP GR INSIGHTS FD 13-4166989	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
INVESCO	52	0

(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.
INVESCO DIVERSIFIED DIVIDEND FUND 13-2576643	BASIS POINTS * PLAN ASSETS

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
LEGG MASON	52	0

(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.
CLEARBRIDGE MID CAP FUND 13-4146187	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
LORD ABBETT	52	0

(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.
LORD ABBETT GROWTH LEADERS FUND 13-3712440	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
METROPOLITAN WEST ASSET MANAGEMENT	52	0

(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.
METROPOLITAN WEST TOTAL RTRN BND FD 95-4597302	BASIS POINTS * PLAN ASSETS

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
PRINCIPAL INVESTORS	52	0

(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.
REAL ESTATE SECURITIES PRINCIPAL 91-1801401	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
PUTNAM	52	0

(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.
PUTNAM DYNAMIC ASSET ALLCTN GRW FD 04-6746612	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
THE HARTFORD	52	0

(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.
HARTFORD INTERNATIONAL OPP FD 13-3317783	BASIS POINTS * PLAN ASSETS

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
THE HARTFORD	52	0

(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.
HARTFORD CORE EQUITY FUND 22-2937447	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
VANGUARD	52	0

(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.
WELLESLEY INCOME VANGUARD 23-1711688	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
VANGUARD	52	0

(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.
500 INDEX VANGUARD 23-1999755	BASIS POINTS * PLAN ASSETS

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
VANGUARD	52	0

(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.
MID CAP INDEX VANGUARD 23-1999755	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
VANGUARD	52	0

(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.
SMALL CAP INDEX VANGUARD 23-1999755	BASIS POINTS * PLAN ASSETS

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
VANGUARD	52	0

(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.
VANGUARD SMALL-CAP VALUE INDEX FUND 23-1999755	BASIS POINTS * PLAN ASSETS

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
VICTORY	52	0
(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.	
VICTORY SYCAMORE SM CO OPPTY FUND 31-6364605	BASIS POINTS * PLAN ASSETS	

(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.	

(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 D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan 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

2018

This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

B Three-digit plan number (PN) ▶ 001

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
BARR AND BARR, INC.

D Employer Identification Number (EIN)
13-0469970

Part I **Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)**
(Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-AG PREM U.S. GOVT MONEY MRKT

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
04-1590850-000	P	26

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CBT MM S&P MID CAP INDEX

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	21626

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CDU WELLESLEY INCOME

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	726

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CJZ DFA US LARGE CAP VALUE

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	1694872

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CKD SELECT TRP/LS BLUE CHIP GRO

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	4829267

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CME PRM OPPENHEIMER FDS SM CP O

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	191768

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CND 500 INDEX

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
90-0779283-000	P	1807852

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CNF MID CAP INDEX		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 607328
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CNJ SMALL CAP INDEX		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 47049
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-CNL REAL ESTATE SECURITIES		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 238837
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-EV PREMIER HIGH YIELD		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 986033
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMN MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 138423
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMO MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9908
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMP MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 849618
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMQ MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 392985
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMR MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 410205
a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMS MM SEL T. ROWE PRICE RET 20		
b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE		
c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11415

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMT MM SEL T. ROWE PRICE RET 20

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 326141

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMU MM SEL T. ROWE PRICE RET 20

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 19219

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMV MM SEL T. ROWE PRICE RET 20

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3621

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-JMX MM SEL T. ROWE PRICE RET BA

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0779283-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3214

a Name of MTIA, CCT, PSA, or 103-12 IE: SIA-UH SELECT MID CAP GR

b Name of sponsor of entity listed in (a): MASSACHUSETTS MUTUAL LIFE INSURANCE

c EIN-PN 90-0342299-000	**d** Entity code P	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1117608

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	**d** Entity code	**e** Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

a Plan name	
b Name of plan sponsor	**c** EIN-PN

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

2018

This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
BARR AND BARR, INC.

D Employer Identification Number (EIN)
13-0469970

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)	231919	262899
(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)	275905	381340
(9) Value of interest in common/collective trusts	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	9108241	13707740
(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)	11622368	4823813
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	8642341	7768334
(15) Other	1c(15)	0	0

			(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:			
	(1) Employer securities	1d(1)	0	0
	(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	29880774	26944126
	Liabilities			
g	Benefit claims payable	1g		
h	Operating payables	1h		
i	Acquisition indebtedness	1i		
j	Other liabilities	1j		19702
k	Total liabilities (add all amounts in lines 1g through1j)	1k	0	19702
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	29880774	26924424

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)	262899	
	(B) Participants	2a(1)(B)	1194215	
	(C) Others (including rollovers)	2a(1)(C)	289175	
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		1746289
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)	13909	
	(F) Other	2b(1)(F)	246031	
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		259940
	(2) Dividends: **(A)** Preferred stock	2b(2)(A)		
	(B) Common stock	2b(2)(B)	0	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	490040	
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		490040
	(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)		0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		-537467
(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)		-966997
c Other income	2c		0
d Total income. Add all **income** amounts in column (b) and enter total	2d		991805
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	3818442	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		3818442
f Corrective distributions (see instructions)	2f		14154
g Certain deemed distributions of participant loans (see instructions)	2g		19702
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	3135	
(3) Investment advisory and management fees	2i(3)	91937	
(4) Other	2i(4)	785	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		95857
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		3948155
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		-2956350
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) [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

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

(1) Name: GRASSI AND CO CPA'S LLC **(2)** EIN: 11-3266576

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:

		Yes	No	Amount
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.)	4a		X	
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	

			Yes	No	Amount
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?	4e	X		3000000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	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.)	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 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.)

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

2018

This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan
EMPLOYEES BENEFIT PLAN OF BARR AND BARR INC

B Three-digit plan number (PN) ▶ 001

C Plan sponsor's name as shown on line 2a of Form 5500
BARR AND BARR, INC.

D Employer Identification Number (EIN)
13-0469970

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

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**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (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 participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	**14a**	
b The plan year immediately preceding the current plan year	**14b**	
c The second preceding plan year	**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

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):

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.

FINANCIAL STATEMENTS

DECEMBER 31, 2018

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.

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INDEPENDENT AUDITORS' REPORT

To The Board of Trustees
Employees' Benefit Plan of Barr & Barr, Inc.

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Employees' Benefit Plan of Barr & Barr, Inc., which comprise the statements of net assets available for benefits at December 31, 2018 and 2017, the related statement of changes in net assets available for benefits for the year ended December 31, 2018, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Plan management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by Section 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Reliance Trust Company, the trustee of the Plan, except for comparing the information with the related information included in the financial statements and supplemental schedules. We have been informed by the Plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The Plan administrator has obtained a certification from the trustee at December 31, 2018 and 2017 and for the year ended December 31, 2018, that the information provided to the Plan administrator by the trustee is complete and accurate.

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Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental Schedule H, Line 4i - Schedule of Assets (Held at End of Year) and the supplemental Schedule H, Line 4j - Schedule of Reportable Transactions for the year ended December 31, 2018 are required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on the supplemental schedules referred to above.

Report on Form and Content in Compliance With DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedules, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Grassi & Co, CPAs, P.C.

GRASSI & CO., CPAs, P.C.

Jericho, New York
September 23, 2019

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2018 AND 2017

ASSETS

	2018	2017
INVESTMENTS:		
Investments, at fair value	$ 18,531,553	$ 20,730,609
Guaranteed interest account, at contract value	7,768,334	8,642,341
Total Investments	26,299,887	29,372,950
RECEIVABLES:		
Employer contributions	262,899	231,919
Notes receivable from participants	381,339	275,905
Total Receivables	644,238	507,824
Total Assets	26,944,125	29,880,774
LIABILITIES		
OTHER LIABILITIES	19,702	-
NET ASSETS AVAILABLE FOR BENEFITS	$ 26,924,423	$ 29,880,774

The accompanying notes are an integral part of these financial statements.

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEAR ENDED DECEMBER 31, 2018

ADDITIONS TO NET ASSETS ATTRIBUTED TO:	
Investment Income (Loss):	
Net depreciation in fair value of investments	$ (1,504,465)
Interest income	246,031
Dividend income	490,040
Total Investment Loss	(768,394)
Interest income on notes receivable from participants	13,909
Contributions:	
Participant contributions	1,194,215
Participant rollover contributions	289,175
Employer contributions	262,899
Total Contributions	1,746,289
Total Additions	991,804
DEDUCTIONS FROM NET ASSETS ATTRIBUTED TO:	
Benefits paid directly to participants	3,818,442
Corrective distributions	14,154
Deemed distributions of participant loans	19,702
Administrative expenses	95,857
Total Deductions	3,948,155
NET DECREASE	(2,956,351)
NET ASSETS AVAILABLE FOR BENEFITS:	
Beginning of year	29,880,774
End of year	$ 26,924,423

The accompanying notes are an integral part of these financial statements.

Note 1 - Description of Plan

The following description of Employees' Benefit Plan of Barr & Barr, Inc. (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

General

The Plan, which was established on January 1, 1969 and restated on January 1, 2015, is a defined contribution plan covering all eligible nonunion employees of Barr & Barr, Inc. (the "Sponsor") who have attained the age of 21. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Board of Trustees is responsible for oversight of the Plan. The Investment Committee determines the appropriateness of the Plan's investment offerings, monitors investment performance and reports to the Plan's Board of Trustees. The trustee of the Plan is Reliance Trust Company. The Sponsor has the power to remove and replace the Plan trustee at any time. The recordkeeper of the Plan is Mass Mutual Retirement Services ("MMRS").

Contributions

Each year, participants may contribute up to the maximum amount permitted by the Internal Revenue Code (the "Code") of eligible annual compensation, as defined in the Plan, provided that such contributions do not exceed the limitations under the Code for 2018 of $18,500, plus a maximum of $6,000 in catch-up contributions for participants who have attained age 50 before the end of the Plan year. Contributions may be made as a pre-tax deferral or after-tax (Roth) deferral. Participants may also contribute amounts representing rollover distributions from other qualified defined benefit or defined contribution plans. Highly compensated employees are subject to additional limits set forth in the Code. Participants direct the investment of their contributions into various investment options offered by the Plan.

Employer matching contributions are at the discretion of the Sponsor of the Plan. The matching contribution is invested as directed by the participant. Contributions are subject to certain limitations. In 2018, the Sponsor made matching contributions of $262,899.

Participants are eligible for discretionary matching contributions upon completion of 500 hours of service in a consecutive 12-month period beginning on the date of hire and if they have been employed on the last day of the Plan year.

Participant Accounts

Each participant's account is credited with the participant's contributions and the Sponsor's matching contributions, as well as allocations of the Sponsor's profit sharing contributions and the Plan's earnings. Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Note 1 - Description of Plan (cont'd.)

Vesting

Participants are vested immediately in their contributions plus actual earnings thereon. Vesting in the Sponsor's contribution portion of their accounts is based on years of continuous service as follows:

Years of Service	Vesting Percentage
At least 2 but less than 3	20%
At least 3 but less than 4	40%
At least 4 but less than 5	60%
At least 5 but less than 6	80%
At least 6 or more years	100%

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 account. The loans are secured by the balance in the participant's account and bear interest at rates which are commensurate with local prevailing rates at the time the loan is made, as determined by the Plan administrator. Principal and interest is paid ratably through payroll deductions over a period not to exceed five years, unless the funds are used to acquire a principal residence, in which case the maximum repayment period is 30 years. The loans have various maturity dates. Any outstanding loans must be fully repaid when employment terminates.

Payment of Benefits

On termination of service due to death, disability, or retirement, a participant may elect to receive either a lump sum amount equal to the value of the participant's vested interest in his or her account, or annual installments over a ten-year period. For termination of service for other reasons, a participant may receive the value of the vested interest in his or her account as a lump sum distribution.

Forfeitures

At December 31, 2018 and 2017, forfeited nonvested accounts totaled $9,305 and $4,391, respectively. These accounts will be used to pay any Plan expenses. If any forfeitures remain after paying the Plan expenses, such forfeited amounts will be used to reduce future employer contributions. In 2018, no forfeitures were used to reduce Sponsor contributions.

Note 2 - Summary of Significant Accounting Policies

Basis of Accounting

The financial statements are prepared on the accrual basis of accounting.

Note 2 - Summary of Significant Accounting Policies (cont'd.)

Use of Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

Investments are reported at fair value except for the fully benefit-responsive investment contract, which is stated at contract value (see Note 4). 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 5 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation or depreciation includes the Plan's gains and losses on investments bought 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. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document. Interest rates on loans outstanding at December 31, 2018 range from 4.25% to 6.50%.

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Sponsor. Expenses that are paid by the Sponsor are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net appreciation or depreciation of fair value of investments. Certain administrative functions are performed by officers or employees of the Sponsor. No such officer or employee receives compensation from the Plan.

Note 3 - Information Prepared and Certified By Trustee

The following information included in the accompanying financial statements and supplemental schedules was obtained from data that has been prepared and certified as complete and accurate by Reliance Trust Company, the trustee of the Plan, at December 31, 2018 and 2017 and for the year ended December 31, 2018. This information has not been audited by the independent auditors.

	2018	2017
Investments:		
Investments, at fair value	$ 18,531,553	$20,730,609
Guaranteed interest account, at contract value	7,768,334	8,642,341
	$ 26,299,887	$29,372,950
Notes receivable from participants	$ 381,339	$ 275,905
Investment income (loss):		
Net depreciation in fair value of investments	$ (1,504,465)	
Interest income	246,031	
Dividend income	490,040	
	$ (768,394)	
Interest income on notes receivable from participants	$ 13,909	

Note 4 - Guaranteed Interest Account

The Plan entered into a fully benefit-responsive guaranteed interest account with MassMutual Financial Group ("MassMutual"). 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 guaranteed interest account issuer is contractually obligated to repay the principal and a specified interest rate that is guaranteed to the Plan. The crediting interest rate is based on a formula agreed upon with the issuer, whose average yield was 2.95% for the year ended December 31, 2018. Crediting rates are reviewed on a quarterly basis for resetting.

Note 4 - Guaranteed Interest Account (cont'd.)

Because the guaranteed interest account is fully benefit-responsive, contract value is the relevant measurement attribute for that portion of the net assets available for benefits attributable to the guaranteed interest account because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan. Thus, the guaranteed interest account is presented on the face of the statements of net assets available for benefits at contract value. 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.

The Plan's ability to receive amounts due in accordance with fully benefit-responsive investment contracts is dependent on the third-party issuer's ability to meet its financial obligations. The issuer's ability to meet its contractual obligations may be affected by future economic and regulatory developments. There are no reserves against contract value for credit risk of the contract issuer or otherwise.

Certain events limit the ability of the Plan to transact at contract value with the issuer. Such events include:

- The Plan's failure to qualify under Section 401(a) of the Code or failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA.
- Complete or partial termination of the Plan.
- The establishment or activation of, or material change in, any Plan investment fund.
- An amendment to the Plan or a change in the administration or operation of the Plan, including the removal of a group of employees from Plan coverage as a result of the sale or liquidation of a subsidiary or division or as a result of group layoffs or early retirement plans.

The Plan administrator believes that no events are probable of occurring that might limit the ability of the Plan to transact at contract value with the contract issuers and that also would limit the ability of the Plan to transact at contract value with the participants.

The guaranteed interest account does not permit the issuer to terminate the agreement prior to the scheduled maturity date.

Note 5 - 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) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 820 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.

Note 5 - Fair Value Measurements (cont'd.)

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's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

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

Pooled separate accounts: Valued at the daily closing NAV as a practical expedient. Pooled separate accounts held by the Plan are registered with the SEC. These funds are required to publish their daily NAV and to transact at that price. The pooled separate accounts held by the Plan are deemed to be actively traded.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan 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 tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value at December 31, 2018. Classification within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. For the year ended December 31, 2018, there were no significant transfers between Levels 1 and 2 and no transfers in or out of Level 3.

Note 5 - Fair Value Measurements (cont'd.)

	Assets at Fair Value at December 31, 2018			
	Level 1	Level 2	Level 3	Total
Pooled separate accounts	$13,707,741	$ -	$ -	$13,707,741
Mutual funds	4,823,812	-	-	4,823,812
Total Investments at Fair Value	$18,531,553	$ -	$ -	$18,531,553

	Assets at Fair Value at December 31, 2017			
	Level 1	Level 2	Level 3	Total
Pooled separate accounts	$ 9,108,241	$ -	$ -	$ 9,108,241
Mutual funds	11,622,368	-	-	11,622,368
Total Investments at Fair Value	$20,730,609	$ -	$ -	$20,730,609

Note 6 - Related Party Transactions and Party-In-Interest Transactions

Fees paid to MMRS qualify as party-in-interest transactions.

Certain Plan investments are shares of pooled separate accounts and mutual funds managed by affiliates of MMRS. Therefore, the transactions related to these investments qualify as party-in-interest transactions. Fees paid by the Plan for investment management services are included in the net change in the fair value of investments.

Notes receivable from participants also qualify as party-in-interest transactions.

Note 7 - Plan Termination

Although it has not expressed any intent to do so, the Sponsor has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants will become 100% vested in their accounts.

Note 8 - Tax Status

The Plan has adopted the Massachusetts Mutual Life Insurance Company ("MMLIC") volume submitter profit sharing plan. Accordingly, the Plan is permitted to rely on MMLIC's opinion letters. The Internal Revenue Service has determined and informed MMLIC by a letter dated March 31, 2014, that the Plan and related trust are designed in accordance with applicable sections of the Code. Although the Plan has been amended since receiving the 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 requirements of the Code, and therefore, believes that the Plan is qualified, and the related trust is tax exempt.

Note 8 - Tax Status (cont'd.)

U.S. GAAP requires Plan management to evaluate uncertain tax positions taken by the Plan and recognize a tax benefit only if it is more likely than not that the tax position would be sustained upon examination by the Internal Revenue Service. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that at December 31, 2018, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan administrator believes that the Plan is no longer subject to income tax examinations for years prior to 2015.

Note 9 - 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.

Note 10 - Subsequent Events

The Plan administrator has evaluated all events or transactions that occurred after December 31, 2018 through September 23, 2019, which is the date that the financial statements were available to be issued. During this period, there were no material subsequent events requiring disclosure.

SUPPLEMENTAL SCHEDULES

Schedule H - Part IV - Line 4i - Schedule of Assets (Held at End of Year)
Attachment - Form 5500
Plan EIN: 13-0469970
Plan Number: 001

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.
SUPPLEMENTAL SCHEDULE
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
AT DECEMBER 31, 2018

(a)	(b) Identity of Issuer	(c) Description of Investment	(d) Cost**	(e) Current Value
	Pooled Separate Accounts:			
*	Mass Mutual	DFA US Large Cap Value	**	$ 1,694,872
*	Mass Mutual	Mid Cap Value Fund	**	607,328
*	Mass Mutual	MM S&P Mid Cap Index (Nrtn Tr)	**	21,626
*	Mass Mutual	Premier High Yield (Barings)	**	986,033
*	Mass Mutual	Premier Small Co. Opportunity Fund	**	191,768
*	Mass Mutual	Premier U.S. Government Money Market Fund	**	26
*	Mass Mutual	Real Estate Securities	**	238,837
*	Mass Mutual	Select Blue Chip Growth Fund	**	4,829,267
*	Mass Mutual	Select Mid Cap Growth Fund II	**	1,117,608
*	Mass Mutual	T. Rowe Price Retirement 2015 Fund	**	138,423
*	Mass Mutual	T. Rowe Price Retirement 2020 Fund	**	9,908
*	Mass Mutual	T. Rowe Price Retirement 2025 Fund	**	849,618
*	Mass Mutual	T. Rowe Price Retirement 2030 Fund	**	392,985
*	Mass Mutual	T. Rowe Price Retirement 2035 Fund	**	410,205
*	Mass Mutual	T. Rowe Price Retirement 2040 Fund	**	11,415
*	Mass Mutual	T. Rowe Price Retirement 2045 Fund	**	326,141
*	Mass Mutual	T. Rowe Price Retirement 2050 Fund	**	19,219
*	Mass Mutual	T. Rowe Price Retirement 2055 Fund	**	3,621
*	Mass Mutual	T. Rowe Price Retirement Balanced Fund	**	3,214
*	Mass Mutual	Vanguard 500 Index	**	1,807,852
*	Mass Mutual	Vanguard Small Cap Fund	**	47,049
*	Mass Mutual	Vanguard Wellesley Income	**	726
				13,707,741
	Mutual Funds:			
	American Century	American Century Mid Cap Value Fund	**	275,141
	American Funds	American Funds Balanced Fund	**	112,663
	American Funds	American Funds New Perspective	**	762,046
	Dimensional Fund Advisors	DFA International Small Company Fund	**	445,431
	Goldman Sachs	GS Small Cap Growth Insights	**	464,585
	The Hartford	Hartford International Opportunities Fund	**	844,204
	Lord Abbett	Lord Abbett Growth Leaders Fund	**	141,674
	Metropolitan	Metropolitan West Total Return Bond Fund	**	1,671,551
	Vanguard	Sycamore Small Company Opportunity Fund	**	44,800
	Victory	Vanguard Small - Cap Index	**	61,717
				4,823,812
	Fully Benefit-Responsive Investment Contracts, at contract value:			
*	Mass Mutual Retirement Services	Guaranteed Interest Account	**	7,768,334
*	Participant Loans	Interest rates ranging from 4.25% to 6.50%	$ -0-	381,339
				$ 26,681,226

*Indicates party-in-interest to the Plan.
**Cost information not required for participant-directed investments.

See independent auditors' report.

Schedule H - Part IV - Line 4j - Schedule of Reportable Transactions
Attachment - Form 5500
Plan EIN: 13-0469970
Plan Number: 001

EMPLOYEES' BENEFIT PLAN OF BARR & BARR, INC.
SUPPLEMENTAL SCHEDULE
SCHEDULE OF REPORTABLE TRANSACTIONS
FOR THE YEAR ENDED DECEMBER 31, 2018

(a) Identity of party involved	(b) Description of asset	(c) Purchase price	(d) Selling price	(e) Lease rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of asset on transaction date	(i) Net gain or (loss)
Invesco	MF-2530	$ -	$1,762,717	$ -	$ -	$1,935,551	$ 1,762,717	$(172,834)
MassMutual	SIA-CJZ	$1,762,717	$ -	$ -	$ -	$ -	$ -	$ -
	SIA-CKD	$2,605,733	$ -	$ -	$ -	$ -	$ -	$ -
The Hartford	MF-3338	$ -	2,605,733	$ -	$ -	$2,399,633	$ 2,605,733	$ 206,100

See independent auditors' report.

MassMutual

Schedule C Soft Dollar Compensation
Eligible Indirect Compensation Statement

Mutual fund investments of the plan (whether direct or indirect through a separate investment account) may have soft dollar arrangements pursuant to which the investment advisor or sub-advisor to the mutual fund (and/or its affiliates) may direct trades to certain brokers in exchange for research and other services, other than just trade execution. For plans investing directly or indirectly in the MassMutual Premier or Select Funds, MassMutual provided the required written disclosure regarding soft dollar compensation on the Schedule C Formula Description and/or EIC Statement Description Attachment. For all other mutual funds, MassMutual provided the required written disclosure in the Statement of Additional Information ("SAI").

For additional information on soft dollar compensation, refer to the section of the mutual fund's SAI that discusses brokerage allocation and other practices.

A Name of Plan	B Three-digit plan Number
Employees' Benefit Plan of Barr & Barr, Inc.	**001**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employer Identification Number**
Barr & Barr, Inc.	**130469970**

Schedule C Formula Description and/or EIC Statement Description

Service Provider Name	Service Provider EIN	Service Provider Address	Formula / EIC Statement
American Century	431646043		American Century received estimated Investment Management Fees of 0.65% with respect to plan assets held in the American Century Mid Cap Value Fund (MR-1999).
American Funds	946050854		American Funds received estimated Investment Management Fees of 0.22% with respect to plan assets held in the American Funds Balanced Fund (MR-1841).
American Funds	951411037		American Funds received estimated Investment Management Fees of 0.53% with respect to plan assets held in the American Funds New World Fund (MR-1756).
American Funds	952817150		American Funds received estimated Investment Management Fees of 0.38% with respect to plan assets held in the American Funds New Perspective Fund (MR-1240).
Columbia	930577450		Columbia received estimated Investment Management Fees of 0.63% with respect to plan assets held in the Columbia Income Opportunities Fund (MR-3570).
Dimensional Fund Advisors	363129984		Dimensional Fund Advisors received estimated Investment Management Fees of 0.52% with respect to plan assets held in the DFA Intl Small Company Fd (MR-1596).
Dimensional Fund Advisors	363129984		Dimensional Fund Advisors received estimated Investment Management Fees of 0.35% with respect to plan assets held in the DFA US Large Cap Value separate account (SIA-CJZ).
Goldman Sachs	134166989		Goldman Sachs received estimated Investment Management Fees of 0.8% with respect to plan assets held in the Goldman Sachs Sm Cap Gr Insights Fd (MR-2780).
Invesco	132576643		Invesco received estimated Investment Management Fees of 0.4% with respect to plan assets held in the Invesco Diversified Dividend Fund (MR-2530).
Legg Mason	134146187		Legg Mason received estimated Investment Management Fees of 0.72% with respect to plan assets held in the ClearBridge Mid Cap Fund (MR-J8D).
Lord Abbett	133712440		Lord Abbett received estimated Investment Management Fees of 0.53% with respect to plan assets held in the Lord Abbett Growth Leaders Fund (MR-3569).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual provided the Plan with the required written disclosure for float revenue received by MassMutual.
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.15% with respect to plan assets held in the Goldman Sachs Sm Cap Gr Insights Fd (MF-2780).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Sub-TA Fees of 0.10% with respect to plan assets held in the Real Estate Securities (Principal) separate account (SIA-CNL).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Administrative Fees of 0.10% with respect to plan assets held in the Prem U.S. Govt Money Mrkt (Barings) separate account (SIA-AG).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.47% with respect to plan assets held in the Premier High Yield (Barings) separate account (SIA-EV).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.39% with respect to plan assets held in the MM Sel T. Rowe Price Ret Bal separate account (SIA-JMX).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.5% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2025 separate account (SIA-JMP).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.1% with respect to plan assets held in the MM S&P Mid Cap Index (Nrtn Tr) separate account (SIA-CBT).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.44% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2015 separate account (SIA-JMN).
Massachusetts Mutual Life Insurance Company	041590850		MassMutual received estimated Investment Management Fees of 0.47% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2020 separate account (SIA-JMO).
Massachusetts Mutual Life Insurance	041590850		MassMutual received estimated Investment Management Fees of 0.53% with respect to

Massachusetts Mutual Life Insurance Company (MassMutual), 1295 State Street, Springfield, Massachusetts 01111-0001.

Company		plan assets held in the MM Sel T. Rowe Price Ret 2030 separate account (SIA-JMQ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.55% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2035 separate account (SIA-JMR).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.57% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2040 separate account (SIA-JMS).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.57% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2060 separate account (SIA-JMW).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.58% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2045 separate account (SIA-JMT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.58% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2050 separate account (SIA-JMU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.58% with respect to plan assets held in the MM Sel T. Rowe Price Ret 2055 separate account (SIA-JMV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.58% with respect to plan assets held in the Prm Oppenheimer Fds Sm Cp Opp separate account (SIA-CME).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.61% with respect to plan assets held in the Select TRP/LS Blue Chip Growth separate account (SIA-CKD).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.69% with respect to plan assets held in the Select Mid Cap Gr (TRP/Frontier) separate account (SIA-UH).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual received estimated Investment Management Fees of 0.35% with respect to plan assets held in the Prem U.S. Govt Money Mrkt (Barings) separate account (SIA-AG).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret Bal separate account (SIA-JMX).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2015 separate account (SIA-JMN).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2020 separate account (SIA-JMO).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2025 separate account (SIA-JMP).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2030 separate account (SIA-JMQ).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2035 separate account (SIA-JMR).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2040 separate account (SIA-JMS).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2045 separate account (SIA-JMT).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2050 separate account (SIA-JMU).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2055 separate account (SIA-JMV).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to MM Sel T. Rowe Price Ret 2060 separate account (SIA-JMW).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Prm Oppenheimer Fds Sm Cp Opp separate account (SIA-CME).

Massachusetts Mutual Life Insurance Company (MassMutual), 1295 State Street, Springfield, Massachusetts 01111-0001.

Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Select TRP/LS Blue Chip Growth separate account (SIA-CKD).
Massachusetts Mutual Life Insurance Company	041590850	MassMutual provided the plan with the required written disclosure for soft dollar compensation received by the subadviser with respect to Select Mid Cap Gr (TRP/Frontier) separate account (SIA-UH).
Massachusetts Mutual Life Insurance Company	041590850	Millennium Trust Company, LLC (MTC) paid MassMutual a one-time referral fee of $40 for IRAs with balances of $500 or more, $10 for IRAs with balances between $75 and $500 and $0 for IRAs with balances less than $75.
Metropolitan West Asset Management	954597302	Metropolitan West Asset Management received estimated Investment Management Fees of 0.35% with respect to plan assets held in the Metropolitan West Total Rtrn Bnd Fd (MR-2515).
Principal Investors	911801401	Principal Investors received estimated Investment Management Fees of 0.81% with respect to plan assets held in the Real Estate Securities (Principal) separate account (SIA-CNL).
Putnam	046746612	Putnam received estimated Investment Management Fees of 0.59% with respect to plan assets held in the Putnam Dynamic Asset Allctn Grw Fd (MR-3201).
The Hartford	222937447	The Hartford received estimated Investment Management Fees of 0.35% with respect to plan assets held in the Hartford Core Equity Fund (MR-3338).
The Hartford	133317783	The Hartford received estimated Investment Management Fees of 0.66% with respect to plan assets held in the Hartford International Opp Fd (MR-2969).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.06% with respect to plan assets held in the Vanguard Small-Cap Value Index Fund (MR-1438).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.03% with respect to plan assets held in the 500 Index (Vanguard) separate account (SIA-CND).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.04% with respect to plan assets held in the Mid Cap Index (Vanguard) separate account (SIA-CNF).
Vanguard	231999755	Vanguard received estimated Investment Management Fees of 0.04% with respect to plan assets held in the Small Cap Index (Vanguard) separate account (SIA-CNJ).
Vanguard	231711688	Vanguard received estimated Investment Management Fees of 0.15% with respect to plan assets held in the Wellesley Income (Vanguard) separate account (SIA-CDU).
Victory	316364605	Victory received estimated Investment Management Fees of 0.76% with respect to plan assets held in the Victory Sycamore Sm Co Oppty Fund (MR-3566).

A Name of Plan	B Three-digit plan Number
Employees' Benefit Plan of Barr & Barr, Inc.	**001**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employer Identification Number**
Barr & Barr, Inc.	**130469970**

Schedule H, line 4i - Schedule of Assets (Held At End of Year)

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest,collateral, par, or maturity value	(d) Cost	(e) Current Value
*	MassMutual	Guaranteed Interest Account	7,768,334	7,768,334
*	MassMutual	Holding Account - SIA-AG	0	26
*	MassMutual	SIA-CBT	22,502	21,626
*	MassMutual	SIA-CDU	736	726
*	MassMutual	SIA-CJZ	1,759,471	1,694,872
*	MassMutual	SIA-CKD	4,387,143	4,829,267
*	MassMutual	SIA-CME	189,280	191,768
*	MassMutual	SIA-CND	1,623,597	1,807,852
*	MassMutual	SIA-CNF	588,080	607,328
*	MassMutual	SIA-CNJ	48,361	47,049
*	MassMutual	SIA-CNL	237,002	238,837
*	MassMutual	SIA-EV	1,008,627	986,033
*	MassMutual	SIA-JMN	130,775	138,423
*	MassMutual	SIA-JMO	9,680	9,908
*	MassMutual	SIA-JMP	790,738	849,618
*	MassMutual	SIA-JMQ	384,703	392,985
*	MassMutual	SIA-JMR	383,583	410,205
*	MassMutual	SIA-JMS	12,299	11,415
*	MassMutual	SIA-JMT	306,078	326,141
*	MassMutual	SIA-JMU	20,092	19,219
*	MassMutual	SIA-JMV	3,460	3,621
*	MassMutual	SIA-JMX	3,209	3,214
*	MassMutual	SIA-UH	1,005,644	1,117,608
*	American Funds	MF-1240	830,488	762,046
*	Vanguard	MF-1438	71,447	61,717
*	Dimensional Fund Advisors	MF-1596	548,625	445,431
*	American Funds	MF-1841	122,028	112,663
*	American Century	MF-1999	354,795	275,141
*	Metropolitan West Asset Management	MF-2515	1,697,588	1,671,551
*	Invesco	MF-2530	0	0
*	Goldman Sachs	MF-2780	519,005	464,585
*	The Hartford	MF-2969	1,031,466	844,204
*	The Hartford	MF-3338	0	0
*	Victory	MF-3566	53,260	44,800
*	Lord Abbett	MF-3569	160,840	141,674
*	Columbia	MF-3570	0	0
*	Legg Mason	MF-J8D	0	0
	Participant Loans	4.250000 - 6.500000	0	381,340

A Name of Plan	B Three-digit Plan Number
Employees' Benefit Plan of Barr & Barr, Inc.	**001**
C Plan sponsor's name as shown on line 2a of Form 5500	**D Employee Identification Number**
Barr & Barr, Inc.	**130469970**

Schedule H, line 4j - Schedule of Reportable Transactions

(a) Identity of party involved	(b) Description of asset (include interest rate and maturity in case of a loan)	(c) Purchase price	(d) Selling price	(e) Lease Rental	(f) Expense incurred with transaction	(g) Cost of asset	(h) Current value of asset on transaction date	(i) Net gain or (loss)
Invesco	MF-2530	0	1,762,717		0	1,935,551	1,762,717	(172,834)
MassMutual	SIA-CJZ	1,762,717	0		0	0	0	0
	SIA-CKD	2,605,733	0		0	0	0	0
The Hartfor	MF-3338	0	2,605,733		0	2,399,633	2,605,733	206,100