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DELTA REPORT

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JELD - JELD-WEN HOLDING, INC.

10-K - DECEMBER 31, 2024 COMPARED TO 10-K - DECEMBER 31, 2023

The following comparison report has been automatically generated

TOTAL DELTAS 3788

█ CHANGES 321

█ DELETIONS 1666

█ ADDITIONS 1801

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

FORM 10-K

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

For the fiscal year ended **December 31, 2023****December 31, 2024**

or

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

For the transition period from to

Commission File Number: 001-38000

JELD-WEN Holding, Inc.

(Exact name of registrant as specified in its charter)

Delaware

93-1273278

(State or other jurisdiction of
incorporation or organization)

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

2645 Silver Crescent Drive

Charlotte, North Carolina 28273

(Address of principal executive offices, zip code)

(704) 378-5700

(Registrant's telephone number, including area code)

Securities Registered Pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock (par value \$0.01 per share)	JELD	New York Stock Exchange

Securities Registered Pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
Emerging growth company	<input type="checkbox"/>		

If an emerging growth company, indicate by checkmark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to \$240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

The aggregate market value of the common stock held by non-affiliates of the registrant was **\$1.5 billion** **\$1.1 billion** as of the end of the registrant's second fiscal quarter (based on the closing sale price for the common stock on the New York Stock Exchange on **July 1, 2023** **June 29, 2024**). Shares of the registrant's voting stock held by each executive officer and director and by each entity or person that, to the registrant's knowledge, owned 10% or more of the registrant's outstanding common stock as of **July 1, 2023** **June 29, 2024**, have been excluded from this number in that these persons may be deemed affiliates of the registrant.

The registrant had **85,573,598** **84,849,974** shares of common stock, par value \$0.01 per share, issued and outstanding as of **February 16, 2024** **February 14, 2025**.

DOCUMENTS INCORPORATED BY REFERENCE

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Glossary of Terms

When the following terms and abbreviations appear in the text of this report, they have the meanings indicated below:

ABL Facility

Our \$500 million asset-based loan revolving credit facility, dated as of October 15, 2014, and as amended from time to time, with JWI (as hereinafter defined) and JELD-WEN of Canada, Ltd., as borrowers, the guarantors party thereto, a syndicate of lenders, and Wells Fargo Bank, N.A., as administrative agent

ABS

JWI d/b/a American Building Supply, Inc.

Adjusted EBITDA from continuing operations

A supplemental non-GAAP financial measure of operating performance not based on a standardized methodology prescribed by GAAP that we define as Adjusted EBITDA from continuing operations as income (loss) from continuing operations, net of tax, adjusted for the following items: income tax expense (benefit); depreciation and amortization; interest expense net; (income), net; and certain special items consisting of non-recurring net legal and professional expenses and settlements; goodwill impairment; restructuring and asset related asset-related charges; other facility closure, consolidation, and related costs and adjustments; M&A related costs; net (gain) loss on sale of business, property, and equipment; loss on extinguishment and refinancing of debt; share-based compensation expense; pension settlement charges; non-cash foreign exchange transaction/translation (income) (gain) loss; and other special items.

AI

Artificial intelligence

AOCL

Accumulated Other Comprehensive Loss

ASC

Accounting Standards Codification

ASU

Accounting Standards Update

AUD

Australian Dollar

Base rate

LIBOR portion of the interest rate. In June 2023, we amended the ABL Facility to replace LIBOR with a Term SOFR based rate.

CAP

Cleanup Action Plan

CARES Act

Coronavirus Aid, Relief, and Economic Security Act enacted on March 27, 2020

CEO

Chief Executive Officer or principal executive officer

CERCLA

Comprehensive Environmental Response, Compensation, and Liability Act

CFO

Chief Financial Officer or principal financial officer

CIO

Chief Digital and Information Officer

CISO

Chief Information Security Officer

Charter

Amended and Restated Certificate of Incorporation of JELD-WEN Holding, Inc.

Class B-1 Common Stock

Shares of our Class B-1 common stock, par value \$0.01 per share, all of which were converted into shares of our Common Stock on February 1, 2017

CME

Chicago Mercantile Exchange

CMI

JWI d/b/a CraftMaster Manufacturing, Inc.

COA

Consent Order and Agreement

CODM

Chief Operating Decision Maker, which who is our Chief Executive Officer

Common Stock

The 900,000,000 shares of common stock, par value \$0.01 per share, authorized under our Charter

Core Revenues

Net revenue revenues excluding the impact of foreign exchange, divestitures, and acquisitions completed in the last twelve months

Corporate Credit Facilities

Collectively, our ABL Facility and our Term Loan Facility

COVID-19

A novel strain of the 2019-nCov coronavirus

Credit Facilities

Collectively, our Corporate Credit Facilities and other acquired term loans and revolving credit facilities

DKK

Danish Krone

Domoferm

The Domoferm Group of companies

Dooria

Dooria AS

EH&S

Environmental Health and Safety

ESG

Environmental, Social, and Governance

EPA

The U.S. Environmental Protection Agency

ERC

Employee Retention Credit

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ERP	Enterprise Resource Planning
E.U.	European Union
Exchange Act	Securities Exchange Act of 1934, as amended
FASB	Financial Accounting Standards Board

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FCPA	U.S. Foreign Corrupt Practices Act
FIFO	First In, First Out
Free Cash Flow	A non-GAAP financial measure that we define as net cash (used in) provided by operating activities less capital expenditures (including purchases of intangible assets)
GAAP	Generally Accepted Accounting Principles in the United States
GHGs	Greenhouse Gases
GDPR	General Data Protection Regulation
GILTI	Global Intangible Low-Taxed Income
GloBE	Global Anti-Base Erosion Rules
IPO	The initial public offering of shares of our common stock, as further described in this report on Form 10-K
JELD-WEN	JELD-WEN Holding, Inc., together with its consolidated subsidiaries where the context requires
JW Australia	Our Australasia business
JWI	JELD-WEN, Inc., a Delaware corporation
Karona	Karona, Inc.
LaCantina	JWI d/b/a LaCantina Doors, Inc.
LIBOR	London Interbank Offered Rate
M&A	Mergers and acquisitions
Mattiovi	Mattiovi Oy
MMI Door	JWI d/b/a Milliken Millwork, Inc.
MD&A	Management's Discussion and Analysis of Financial Condition and Results of Operations
NAV	Net asset value
NIST	National Institute of Standards and Technology
NOL	Net operating loss
NYSE	New York Stock Exchange
OECD	Organization for Economic Cooperation and Development
Omnibus Equity Plan	JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan
Onex	Onex Partners III LP and certain affiliates
PaDEP	Pennsylvania Department of Environmental Protection
Pillar Two	The Pillar Two Global Anti-Base Erosion rules
PLP	Potential Liability Party
Preferred Stock	90,000,000 shares of Preferred Stock, par value \$0.01 per share, authorized under our Charter
PSU	Performance Stock Unit
R&R	Repair and Remodel
ROIC	Return on Invested Capital
ROU asset	Right-of-use asset assets or operating lease assets
RSU	Restricted Stock Unit
Sarbanes-Oxley	Sarbanes-Oxley Act of 2002, as amended
SEC	U.S. Securities and Exchange Commission
Securities Act	Securities Act of 1933, as amended
Senior Notes	\$800.0 million of unsecured notes issued in December 2017 in a private placement in two tranches: \$400.0 million bearing interest at 4.625% and maturing in December 2025 (\$200.0 million of which were redeemed in August 2023) and the remaining \$200.0 million of which were redeemed in September 2024) and \$400.0 million bearing interest at 4.875% and maturing in December 2027. \$350.0 million of senior unsecured notes issued in August 2024 in a private placement bearing interest at 7.00% and maturing in September 2032.
Senior Secured Notes	\$250.0 million of senior secured notes issued in May 2020 in a private placement bearing interest at 6.25% and redeemed in August 2023.
SOFR	Secured Overnight Financing Rate

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SG&A	Selling, general, and administrative expenses
Steves	Steves and Sons, Inc.
Tax Act	Tax Cuts and Jobs Act
Term Loan Facility	Our term loan facility, dated as of October 15, 2014, and as amended from time to time with JWI, as borrower, the guarantors party thereto, a syndicate of lenders, and Bank of America, N.A., as administrative agent
TSR	Total Shareholder Return
Towanda	The Company's Towanda, PA business and related assets
U.K.	United Kingdom of Great Britain and Northern Ireland
U.S.	United States of America
UTP	Uncertain Tax Position
VOC	Volatile Organic Compounds
VPI	JWI d/b/a VPI Quality Windows, Inc.
WADOE	Washington State Department of Ecology

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Working Capital	Accounts receivable plus inventory less accounts payable
WTW	Willis Towers Watson

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CERTAIN TRADEMARKS, TRADE NAMES, AND SERVICE MARKS

This report includes trademarks, trade names, and service marks owned by us. Our U.S. window and door trademarks include JELD-WEN®, AuraLast®, MiraTEC®, Extrair®, LaCANTINA®, MMI Door®, Karona™®, ImpactGard®, JW®, Aurora®, IWP®, True BLU®, ABS™, Siteline®, National Door®, Low-Friction Glider®, Hydrolock®, VPI™, AURALINE®, FINISHIELD®, MILLENIUM®, TRUFIT®, EPICVUE®, and EVELIN®. Our trademarks are either registered or have been used as common law trademarks by us. The trademarks we use outside the U.S. include the Swedoors®, Dooria®, DANA®, Mattiovit™, Zargag®, Alupan®, Domoferm®, Kellpax®, and HSE™ marks in Europe. ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency. This report contains additional trademarks, trade names, and service marks of others, which are, to our knowledge, the property of their respective owners. Solely for convenience, trademarks, trade names, and service marks referred to in this report appear without the ®, ™ symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the right of the applicable licensor to these trademarks, trade names, and service marks. We do not intend our use of other parties' trademarks, trade names, or service marks to imply, and such use or display should not be construed to imply, a relationship with, or endorsement or sponsorship of us by, these other parties.

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PART I - FINANCIAL INFORMATION

FORWARD-LOOKING STATEMENTS

In addition to historical information, this Form 10-K contains "forward-looking statements" within the meaning of Section 27A of the federal Securities Act and Section 21E of the Exchange Act, which are subject to the "safe harbor" created by those sections. All statements, other than statements of historical facts, included in this Annual Report on Form 10-K are forward-looking statements. Forward-looking statements are generally identified by our use of forward-looking terminology, including the terms "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "plan," "potential," "predict," "seek," or "should," and, in each case, their negative or other various or comparable terminology. In particular, statements about the markets in which we operate, including growth of our various markets, and our expectations, beliefs, plans, strategies, objectives, prospects, assumptions, or future events or performance under Item 7 - *Management's Discussion and Analysis of Financial Condition and Results of Operations* and Item 1 - *Business* are forward-looking statements. In addition, statements regarding the potential outcome and impact of pending litigation are forward-looking statements.

We have based these forward-looking statements on our current expectations, assumptions, estimates, and projections. While we believe these expectations, assumptions, estimates, and projections are reasonable, such forward-looking statements are only predictions and involve known and unknown risks and uncertainties, many of which are beyond our control. These and other important factors, including those discussed under the headings Item 1A - *Risk Factors* in this Form 10-K may cause our actual results, performance or achievements to differ materially from any future results, performance or achievements expressed or implied by these forward-looking statements. Some of the factors that could cause actual results to differ materially from those expressed or implied by the forward-looking statements include:

- negative trends in overall business, financial market and economic conditions, and/or activity levels in our end markets;
- increases in interest rates, **sustained periods of elevated interest rates**, and reduced availability of financing for the purchase of new homes and home construction and improvements;
- **declines in our relationships with and/or consolidation of our key customers;**
- our highly competitive business environment;
- failure to **timely identify or effectively respond to consumer needs, expectations, or trends;**
- failure to successfully implement our strategic **and transformation journey** initiatives, including our productivity, cost reduction and global footprint rationalization initiatives;
- **failure to retain and recruit executives, managers, and employees;**
- disruptions in our operations due to natural disasters, **changes in weather patterns and related extreme weather events**, public health **issues, such as COVID-19, crises, and armed conflicts**, including the ongoing conflict between Russia and Ukraine and instabilities in the Middle East;
- **economic and geopolitical uncertainty and risks that arise from operating a multinational business;**
 - **acquisitions, divestitures, or investments in other businesses that may not be successful;**
 - **adverse outcome of pending or future litigation;**
 - **declines in our relationships with and/or consolidation of our key customers;**
 - **fluctuations in the prices of raw materials used to manufacture our products;**
 - **delays or interruptions in the delivery of raw materials or finished goods;**
 - failure to **retain and recruit executives, managers, and employees;**
 - **seasonal business with varying revenue and profit;**
 - **changes in weather patterns and related extreme weather conditions;**
 - **exchange rate fluctuations; timely identify or effectively respond to consumer needs, expectations, or trends;**
- manufacturing realignments and cost savings programs resulting in a decrease in short-term earnings;
- **security breaches** **seasonal business with varying revenue and profit;**
 - **fluctuations in the prices of raw materials used to manufacture our products;**
 - **changes to tariff, trade or investment policies or laws;**
 - **delays or interruptions in the delivery of raw materials, finished goods, or certain component parts;**
 - **economic and geopolitical uncertainty and risks that arise from operating a multinational business;**
 - **exchange rate fluctuations;**
 - **product liability claims, product recalls, or warranty claims;**
 - **adverse outcome of pending or future litigation;**
 - **acquisitions, divestitures, or investments in other cybersecurity incidents; businesses that may not be successful;**
 - **inability to protect our intellectual property;**
- increases in labor costs, potential labor disputes, and work stoppages at our facilities;
- **pension plan obligations;**
- **security breaches and other cybersecurity incidents;**
- changes in building codes that could increase the cost of our products or lower the demand for our windows and doors;

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- compliance costs and liabilities under environmental, health, and safety laws and regulations;

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- lack of transparency, threat of fraud, public sector corruption, and other forms of criminal activity involving government officials;
- product liability claims, product recalls, or warranty claims;
- inability to protect our intellectual property;
- pension plan obligations;
- availability and cost of credit;
- our current level of indebtedness and the effect of restrictive covenants under our existing or future indebtedness including our Credit Facilities Senior Secured Notes, and Senior Notes; and
- other risks and uncertainties, including those listed under Item 1A - *Risk Factors*.

Given these risks and uncertainties, you are cautioned not to place undue reliance on such forward-looking statements. Any forward-looking statement in this Form 10-K speaks only as of the date of this Form 10-K. We do not undertake any obligation to update or revise, or to publicly announce any update or revision to, any of the forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

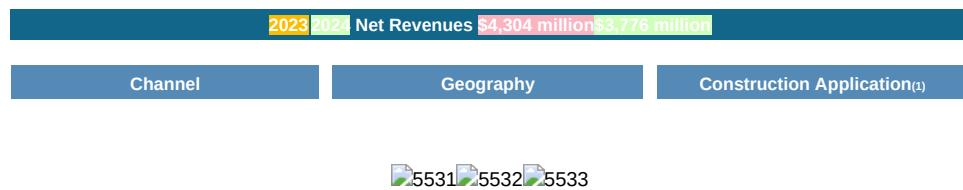
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Item 1 - **Business**

Our Company

We are a leading global designer, manufacturer, and distributor of high-performance interior and exterior doors, windows, and related building products, serving the new construction and R&R sectors.

The JELD-WEN family of brands includes JELD-WEN worldwide; LaCantina and VPI in North America; and Swedo, DANA, and Kellpex in Europe. Our customers include wholesale distributors and retailers as well as individual contractors and consumers. Our business is highly diversified by distribution channel, geography, and construction application as illustrated below:



(1) Percentage The percentage of net revenues by construction application is management's estimate based on the end markets into which our customers sell.

As a leading global manufacturer of interior and exterior building products, we have invested significant capital to build a business platform that we believe is unique among our competitors. We operate 84 79 manufacturing and distribution facilities in 15 14 countries, located primarily in North America and Europe. We are focused on optimizing our global footprint to enhance performance and improve profit margins.

On July 2, 2023, we completed the sale of our Australasia business ("JW Australia"). Australia. The net assets and operations of the disposal group met the criteria to be classified as "discontinued operations" and are reported as such in all periods. Unless otherwise indicated, the description of our business provided in Part I pertains to continuing operations only (see (refer to Note 1 - *Description of Company and Summary of Significant Accounting Policies* and Note 2 - *Discontinued Operations* to our consolidated financial statements included in this Form 10-K for further more information).

For many product lines, our manufacturing processes are vertically integrated, enhancing our range of capabilities, our ability to innovate, and our quality control, as well as providing us with supply chain, transportation, and working capital savings. We believe that our manufacturing network allows us to deliver our broad portfolio of products to a wide range of customers across the globe, while improving our customer service and strengthening our market positions.

Our History

We were founded in 1960 by Richard L. Wendt, when he, together with four business partners, bought a millwork plant in Oregon. The subsequent decades were a time of successful expansion and growth as we added different businesses and product categories such as interior doors, exterior steel doors, and vinyl windows. Our first overseas acquisition was Norma Doors in Spain in 1992 and since then we have acquired or established numerous businesses in Europe Canada, and Mexico, Canada, making JELD-WEN a global company.

In October 2011, certain funds managed by affiliates of Onex acquired a majority of the combined voting power in the Company through the acquisition of convertible debt and convertible preferred equity. After the Onex investment, we began the transformation of our business from a family-run operation to a global organization with independent, professional management. The transformation accelerated after 2013 with the hiring of a new senior management team strategically recruited from a number of world-class industrial companies. Our current management team has extensive experience driving operational improvement, innovation, and growth, both organically and through acquisitions.

As of December 31, 2020, Onex owned approximately 32.6% of our outstanding shares of Common Stock. In 2021, Onex exercised its rights under its Registration Rights Agreement and requested

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the registration for resale of all of their shares of our Common Stock in multiple underwritten public offerings. During August 2021, Onex fully divested their ownership in the Company and no longer had representation on the Board of Directors.

Our Business Strategy and Operating Model

We strive to achieve best-in-industry solid financial performance and shareholder returns through the disciplined systematic execution of our strategy which includes:

- streamlining and simplifying the business, optimizing refining our product mix, and brand strategies, rationalizing our global footprint, and strategically sourcing our raw materials to improve returns on our investments; materials;
- enhancing performance and improving profit margins through strategic pricing, cost-reduction and productivity initiatives, such as upgrading go-to-market processes, implementing targeted quality improvement programs, optimizing our sales force, through training, right-sizing and consolidating our manufacturing network, investing in automation, and leveraging our scale to streamline sourcing;
- disciplined capital allocation and working capital management designed to maximize shareholder returns, cash flows, and return on invested capital in a balanced manner;
- sustainability-focused focused go-to-market growth strategies and industry-leading innovations to drive support profitable organic revenue growth;
- investing in our brands and marketing, and commercial excellence programs such as customer segmentation, and price optimization; and
- growing continuing our journey to drive a premier performance high-performing, values-based culture led enabled by our values strategic clarity, leadership excellence, and a keen focus on talent management, global recognition and incentives strategy.

Our Products

We provide a broad portfolio of interior and exterior doors, windows, and related building products manufactured from a variety of wood, metal, and composite materials offered across a full spectrum of price points. In the year ended December 31, 2023 December 31, 2024, our door sales accounted for 63% of net revenues, our window sales accounted for 21% 20% of net revenues, and our other ancillary products and services accounted for 16% 17% of net revenues.

Doors

We are a leading global manufacturer of residential doors. We offer a full line of residential interior and exterior door products, including patio doors and folding or sliding wall systems. Our non-residential door product offering is concentrated in Europe, where we are a leading non-residential door provider by net revenues in Germany, Austria, Switzerland, and Scandinavia. We also offer non-residential doors across North America in certain markets. To meet the design, durability, and energy efficiency requirements of our customers, our product portfolio encompasses many types of materials, including wood veneer, composite wood, steel, glass, and fiberglass that satisfy a range of price points from entry-level to high-end. Our highest volume products include molded interior doors and door systems, which are made from two composite molded door skins joined by a wooden frame and filled with a hollow honey-cell core or other solid core materials. These value doors are the most popular choice for interior residential applications in North America, France and the U.K. In the U.S., we manufacture exterior doors primarily made from fiberglass and steel. Our fiberglass product line has grown in popularity due to its attractive thermal properties, aesthetics, and durability. We have dedicated additional resources to our exterior fiberglass door business, which includes door slabs and door systems, and believe we have a leading product offering based on quality, breadth of design options, and range of price points. We also manufacture stile and rail doors in our U.S. manufacturing facilities. In Europe, we also sell high performance residential and non-residential doors, with features such as soundproofing, fire resistance, radiation resistance, security, and in Scandinavia we design and manufacture doors which can withstand extreme environmental conditions in coastal and arctic environments. Additionally, we offer profitable value-added distribution services for residential and non-residential products in all of our markets, including customizable configuration services, specialized component options, and multiple finishing options. These services are valued by labor constrained customers and allow us to capture more profit from the sale of our door products. In the U.S., our acquisitions of ABS and MMI Door are examples of our increased focus on value-added services.

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Windows

We are a leading manufacturer of residential windows in North America. We manufacture a full line of residential wood vinyl, and wood composite vinyl windows in North America. Our window product lines comprise a full range of styles, features, and energy-saving options in order to meet the varied needs of our customers in each of our regional end markets. For example, our high-performance wood and vinyl windows with multi-pane glazing and superior energy efficiency properties are in greater demand in Canada and the northern U.S. In addition, our value windows are popular with production builders and the remodel and replacement markets. In select coastal regions, we offer impact windows that can withstand the impact of hurricane force winds and satisfy local building codes. Our wood windows remain prevalent as a high-end option because they possess both insulating qualities and the beauty of natural wood. In North America, our wood windows and patio doors include our proprietary AuraLast treatment, which is a unique water-based wood protection process that provides protection against wood rot and decay. We believe AuraLast is unique in its

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ability to penetrate and protect the wood through to the core, as opposed to being a shallow or surface-only treatment. With the acquisition of LaCantina Doors, the Company added LaCantina's innovative folding, multi-slide, and swing patio doors and wall systems to its already robust windows product offering. We also offer a non-residential line of vinyl windows for a broad assortment of commercial applications. With the acquisition of VPI, we added vinyl windows for mid-rise, multi-family, institutional, hospitality, and commercial properties to our product lineup. We believe that our innovative energy-efficient windows position us to benefit from increasing environmental awareness among consumers and

from changes in local building codes. In recognition of our expansive energy-efficient product line, we have been an ENERGY STAR partner since 1998. We have In 2024, we were recognized as ENERGY STAR Partner of the Year by the EPA, and our Canada business received ENERGY STAR Canada's Excellence Award in 2023 Canada Manufacturer of the year for windows and have doors and has won 78 ENERGY STAR Canada Manufacturer of the Year Awards.

Other Ancillary Products and Services

In certain regions, we sell a variety of other products that are ancillary to our door and window offerings, which we do not classify as door or window sales. These products include trim board, glass, hardware and locks, and window screens. We also sell molded door skins to certain direct and indirect customers pursuant to long-term contracts, and these customers in turn use the molded door skins to manufacture interior doors and compete directly against us in the marketplace. Miscellaneous installation and other services are also included in this category.

Our Segments

We operate within the global market for residential and non-residential doors and windows with sales spanning approximately 71 countries. While we operate globally, the markets for doors and windows are regionally distinct with suppliers manufacturing finished goods in proximity to their customers. Finished doors and windows are generally bulky, expensive to ship, and, in the case of windows, fragile. Designs and specifications of doors and windows also vary from country to country due to differing construction methods, building codes, certification requirements, and consumer preferences. Customers also demand short delivery times and can require special order customizations. We believe that we are well-positioned to meet the global demands of our customers due to our market leadership, strong brands, broad product line, and strategically located manufacturing and distribution facilities.

Our operations are managed and reported in two reportable segments, organized and managed principally by in geographic region. Our reportable segments are regions: North America and Europe. We report all other business activities in Corporate and unallocated costs. Factors considered in determining the two reportable segments include the nature of business activities, the management structure accountable directly to the CODM, for operating and administrative activities, the discrete financial information available, regularly provided to the CODM, and information presented to the information regularly reviewed by the CODM, Board of Directors and investors.

North America

In our North America segment, we compete primarily in the new construction and R&R market for residential doors and windows in the U.S. and Canada. We are the only manufacturer that offers a full line of interior and exterior door and window products, allowing us to offer a more complete solution to our customer base. While we expect to realize some benefit from share gains and continued growth from pricing strategies to offset inflation, our North American market is expected to continue to face headwinds during 2024 2025 primarily due to heightened interest rates and continued labor, freight, and raw material inflation. We believe that our total market opportunity in North America will continue to include non-residential applications and other related building products.

Europe

The European market for doors is highly fragmented, and we have the only platform in the industry capable of serving nearly all European countries. In our Europe segment, we compete primarily in the market for residential and non-residential doors in Germany, the U.K., France, Austria, Switzerland, and Scandinavia. During 2024 2025, we expect headwinds softer markets in our residential and non-residential markets in Germany, France, and Austria due to general economic weakness and as interest rates that are expected to remain high.

[Financial information regarding our segments is included in](#)
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Refer to Note 14 - Segment Information to our consolidated financial statements included in this Form 10-K. 10-K for more information about our segments.

Materials

We generally maintain a diversified supply base for the materials used in our manufacturing operations. The primary materials used for our door business include wood, wood composites, steel, glass, internally produced door skins, fiberglass compound, and hardware, as well as petroleum-based products such as resin and binders. The primary materials for our window business include wood, wood components, glass, and hardware, as well as aluminum and vinyl extrusions. Wood components for our window operations are sourced primarily from our own manufacturing plants, which allow us to improve margins and take advantage of our proprietary technologies such as our AuraLast wood treatment process.

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We track commodities in order to understand our vendors' costs, realizing that our costs are determined by the broader competitive market as well as by increases in the inputs to our vendors. In order to To manage the risk in material costs, we develop strategic relationships with suppliers, routinely evaluate substitute components, develop new products, vertically integrate, where applicable, and seek alternative sources of supply from multiple vendors and often from multiple geographies.

Seasonality

In a typical year, our operating results are impacted by seasonality. Historically, peak season for home construction and remodeling in our North America and Europe segments, generally corresponds with the second and third calendar quarters, and therefore our sales volume is usually generally higher during those quarters. Seasonal variations in operating results may be impacted by inclement weather conditions, such as cold or wet weather, which can delay construction projects.

Sales and Marketing

We actively market and sell our products directly to our customers around the world through our global sales force and indirectly through our marketing and branding initiatives, which includes our enhanced social media presence. Our global sales force, which is organized and managed regionally, focuses on building and maintaining relationships with key customers as well as managing customer supply needs and arranging in-store promotional initiatives. In North America and Europe, we also have dedicated teams that focus on our retail customers.

We continue to make investments in tools and technologies to enhance the effectiveness of our sales force and improve our customers' purchasing experience. For example, we are continuing to invest in and utilize Salesforce in North America and Europe to enhance our customer relationships and support. We continue to leverage Salesforce for improved data management, service level tracking, Ecommerce, and workflow enhancements. We have also made investments in North America to streamline and automate order management and continue to expand post sales care through our virtual OnSite Applications and service scheduling. In Europe, we have started investments in launched new door configuration software in select countries, with plans to extend this launch to additional markets. This strategic investment aims to improve our customer's customers' ordering experience with us, which will enhance our digital service offering and improve has improved our Net Promoter Score. We believe these investments will increase sales force effectiveness, create pull-through demand, and optimize sales force productivity.

We believe that our broad product portfolio of both doors and windows in North America is a competitive advantage as it allows us to cross-sell our door and window products to our end customers, many of whom find it more efficient to choose one supplier for their door and window needs on a given project.

Research and Development

A core aspect of our business strategy is the investment and innovation of new products and technologies. We believe that leading the market in innovation will enhance demand for our products and allow us to sell a higher margin product mix. Our research and development efforts encompass the development of new products and material inputs, derivative product development, as well as value-added re-engineering of components used in our existing products leading to reduced costs and manufacturing efficiencies. We have a governance process that prioritizes the most impactful projects, which is expected to improve the efficiency and quality of our research and development efforts.

Although product specifications and certifications vary from country to country, the global nature of our operations allows us to leverage our global innovation capabilities and create product platforms which enable us to share designs across our markets. We believe that the global nature of our research and development capabilities is unique among our door and window competition.

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Customers

We sell our products worldwide and have well-established relationships with numerous customers throughout the door and window distribution chain in each of our end markets, including retail home centers, wholesale distributors, and building product dealers that supply homebuilders, contractors, and consumers. Our wholesale customers include such industry leaders as ProBuild/Builders First Source, Saint-Gobain, and the Holzring group. Our home center customers include, among others, The Home Depot and Lowe's Companies and Menards in North America; America, and B&Q, Howdens, and Bauhaus in Europe. We have maintained relationships with the majority of our top ten customers for over 25 years and believe that the strength and tenure of our customer relationships is based on the total value we provide, including the quality and breadth of our product offering, our customer service, innovation, and delivery capabilities. Our top ten customers together accounted for approximately 43% 46%, 44% 43% and 43% 44% of our net revenues in the years ended December 31, 2023 December 31, 2024, 2022 2023 and 2021, 2022, respectively. The Home Depot, a customer of our North America segment, represents 15% 16%, 16% 15%, and 17% 16% of our consolidated net revenues during the years ended December 31, 2023 December 31, 2024, 2023 and 2022, 2021, respectively. Lowe's Companies, another customer of our North America segment, represents 11% 12%, 11%, and 10% 11% of our consolidated net revenues during the years ended December 31, 2023 December 31, 2024, 2023 and 2022, 2021, respectively.

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Competition

The door and window industry is highly competitive and includes a number of several regional and international competitors. Competition is largely based on the functional and aesthetic quality of products, service quality, distribution capability, and price. We believe that we are well-positioned in our industry due to our leading brands, our broad product lines, our consistently high product quality and service, our global manufacturing and distribution capabilities, and our extensive multi-channel distribution. For North American interior doors, our major competitors include Masonite (a division of Owens Corning), Steves & Sons, Inc. and several smaller independent door manufacturers. For North American exterior doors, competitors include Masonite (a division of Owens Corning), Therma-Tru (a division of Fortune Brands), Plastpro and Steves & Sons, Inc. The North American window market is highly fragmented, with sizable competitors including Andersen, Pella, Marvin, Ply-Gem (a division of Cornerstone Building Brands, formerly NCI Building Systems), and Milgard (a division of MI Windows and Doors). The door manufacturers that we primarily compete with in our European markets include Huga, Prüm/Garant (a division of Arbonia Group), Viljandi, Masonite (a division of Owens Corning), Keyor, Herholz, and Hormann.

Intellectual Property

We rely primarily on patent, trademark, copyright, and trade secret laws and contractual commitments to protect our intellectual property and other proprietary rights. Generally, registered trademarks have a perpetual life, provided that if they are renewed on a timely basis and continue to be used properly as trademarks. We intend to maintain the trademark registrations listed below so long as they remain valuable to our business.

Our U.S. window and door trademarks include JELD-WEN®, AuraLast®, MiraTEC®, Extrair®, LaCANTINA®, MMI Door®, Karona™®, ImpactGard®, JW®, Aurora®, IWP®, True BLU®, ABS™, Siteline®, National Door®, Low-Friction Glider®, Hydrolock®, VPI™, AURALINE®, FINISHIELD®, MILLENIUM®, TRUFIT®, EPICVUE®, and EVELIN®. Our trademarks are either registered or have been used as common law trademarks by us. The trademarks we use outside the U.S. include the Swedoor®, Dooria®, DANA®, Mattiovit™, Zargag®, Alupan®, Domoferm®, Kellpax®, and HSE™ marks in Europe.

Environmental, Social, and Governance Matters

Human Capital Management

We believe that the success of our mission is realized by the engagement and empowerment of our employees, and we are committed to investing in our people. Our senior leadership team, including our Chief Executive Officer CEO and our Executive Vice President, Chief Human Resources Officer, is responsible for developing and executing our human capital strategy. This includes the attraction, retention, development, and engagement of talent. In addition, our Executive Vice President, Chief Human Resources Officer regularly updates senior management and our Board of Directors on the operation and status of our human capital management.

As of December 31, 2023 December 31, 2024, we employed approximately 17,700 16,000 people. Of our total number of employees, approximately 11,000 10,000 are employed in operations included in our North America segment and corporate operations, and approximately 6,700 6,000 are employed in operations included in our Europe segment.

In total, approximately 1,200 800, or 11% 8% of our employees in the U.S. and Canada are unionized. Two facilities One facility in the U.S., representing approximately 350 8 employees, are is covered by collective bargaining agreements. In Canada, approximately 68% 72% of our employees work at facilities covered by collective bargaining agreements. As is common in Europe, the majority of our facilities are covered by work councils and/or labor agreements. We believe we have satisfactory relationships with our employees and our organized labor unions.

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Health and Safety

We strive to operate in a way that prioritizes the health and safety of our employees, business partners, and the communities in which we operate. JELD-WEN's commitment to the environmental health and safety ("EH&S") &S of our associates is foundational and embedded in our values. Our EH&S programs are designed around global policies and standards and a commitment to complying with or exceeding applicable requirements within our manufacturing, service and install, and headquarter operations. We proactively implement management systems consistent with ISO 14001 and 45001 requirements to prevent EH&S risks and to create a strong safety culture and improve performance. We are committed to continuous improvement and continue to measure, refine, and improve on our performance. We educate and train our employees to help ensure compliance with our policies, standards, and management systems. We also have policies and procedures in place to encourage employees to stop work to address at-risk conditions without the threat of retaliation. Our management and Board of Directors also periodically review our health and safety practices to address ongoing effectiveness and compliance.

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Diversity, Equity, Employee Engagement and Inclusion (DE&I) Cognitive Diversity

We believe that a diverse and an engaged workforce is provides a strong competitive advantage advantage. To this end, the Company welcomes employee contributions that maximize diversity of thought, promote authenticity in discussion, and we strive challenge the status quo. Our senior leadership team works to create an environment where individuals of all backgrounds can fully contribute promote these goals in their respective organizations and maximize their potential. Our employees are encouraged to bring their authentic selves to the workplace and work together to enrich a culture of inclusivity and belonging. Senior leadership teams review their succession plans, as well as their broader workforce demographics, on a regular cadence to ensure underrepresented groups are being offered fair consideration for open roles and internal promotions. As part of our recruitment process, we recruit from historically black colleges and universities, partner with affinity groups, and work with minority owned recruiting firms strategy reflects our dedication to help ensure managers are presented with diverse candidate pools for their workforce needs. As cognitive diversity. Furthermore, as part of our human capital strategy, we incorporate mentoring programs, support employee resources resource groups, and facilitate DE&I training sessions maintain an open-door policy where employees are free to encourage inject their ideas, concerns, and promote an inclusive culture. other opinions for consideration into broader discussions around Company culture and strategy.

Training and Talent Development

We strive to not only attract and retain great talent but are committed to the continued development of our workforce. We invest in formal leadership development programs that help prepare senior leaders for succession into executive roles, in regional programs to accelerate the leadership conversion of mid-level managers, and in focused efforts to upskill our front-line leaders. Retaining and developing early career talent is an additional focus. Across our teams, we welcome apprenticeship and work study arrangements that seed talent into manufacturing and team lead roles. In North America specifically, we offer a summer internship program and a multi-year, cross-functional rotational program to identify, attract, and accelerate the growth of an internal pipeline of future managers. In our regions, we seek out, seed, and utilize financial grants and social educational investment requirements to reinvest in the ongoing learning and development needs of our diverse global workforce.

Internal job opportunities are posted for employees to review, and our internal mobility philosophy encourages employees to apply for roles after they have passed twelve months on a job. As part of the annual performance management process, managers and employees meet to review goals and performance and discuss actions for ongoing growth and development. The Company continues to invest in its employees through new global learning platforms, content libraries, and additional formal and informal training programs.

Organizational Health

We manage and measure our organizational health with a view to gaining insight into our employees' experiences, levels of workplace satisfaction, and feelings of engagement within the Company. Organizational health is driven through an "enterprise-guided" approach that includes both global and local initiatives in line with the Company's overall cultural vision and strategy. We measure organizational health annually through our global employee survey and strive to continually develop our culture and employee engagement. Results of the annual survey are communicated as global themes across the Company, with managers sharing more detailed insights from their areas of the business directly with their teams. The senior leadership team demonstrates their commitment to engagement through transparent communications in town halls and leadership team meetings; they also carry cultural targets on their individual annual goal plans.

Environmental Sustainability

We strive to conduct our business in a manner that is environmentally sustainable and demonstrates environmental stewardship. Toward that end, we pursue processes that are designed to minimize waste, maximize efficient utilization of materials, and conserve resources, including using recycled and reused materials to produce portions of our products. We are taking steps to mitigate climate change by measuring and reducing our GHG emissions, implementing renewable energy solutions and pursuing efficiency projects. We offer a variety of products that contain pre-consumer recycled content, such as our vinyl windows, aluminum cladding, and window glass. In January 2023, we launched a new primer formula developed by our coatings division designed to decrease volatile organic compounds ("VOC") VOC emissions in coatings applied to interior door skins. Our U.S. produced pine wood windows and select patio doors and door frames are made from AuraLast® pine, which is a proprietary, water-based wood protection process

that results in a decrease of VOCs released during production. In addition, we manufacture many products that meet local green building provisions and top nationally recognized environmental programs. We continue to evaluate and modify our manufacturing and other processes on an ongoing basis to further reduce our impact on the environment.

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Environmental Regulatory Actions

The geographic breadth of our facilities and the nature of our operations subject us to extensive environmental, health, and safety laws and regulations in jurisdictions throughout the world. Such laws and regulations relate to, among other things, air emissions, the treatment and discharge of wastewater, the discharge of hazardous materials into the environment, the handling, storage, use and disposal of solid, hazardous and other wastes, worker health and safety, or otherwise relate to health, safety, and protection of the environment. Many of our products are also subject to various laws and regulations, such as building and construction codes, product safety regulations, and regulations and mandates related to energy efficiency.

The nature of our operations, which involve the handling, storage, use, and disposal of hazardous wastes, exposes us to the risk of liability and claims associated with contamination at our current and former facilities or sites where we have disposed of or

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arranged for the disposal of waste, or with the impact of our products on human health and safety and the environment. Laws and regulations with respect to the investigation and remediation of contaminated sites can impose joint and several liability for releases or threatened releases of hazardous materials upon statutorily defined parties, including us, regardless of fault or the lawfulness of the original activity or disposal. We have been subject to claims, including having been named as a potentially responsible party, in certain proceedings initiated pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA") CERCLA and similar state and foreign laws, regulations, and statutes, and may be named a potentially responsible party in other similar proceedings in the future. Unforeseen expenditures or liabilities may arise in connection with such matters.

We have also been the subject of certain environmental regulatory actions by the EPA and state regulatory agencies in the U.S. and foreign governmental authorities in jurisdictions in which we operate and are obligated to make certain expenditures in settlement of those actions. We do not expect expenditures for compliance with environmental laws and regulations to have a material adverse effect on our financial position or competitive position. However, the discovery of a presently unknown environmental condition, changes in environmental requirements or their enforcement, or other unanticipated events, may give rise to unforeseen expenditures and liabilities which could be material.

In 2007, we were identified by the WADOE as a PLP with respect to our former manufacturing site in Everett, Washington. In 2008, we entered into an Agreed Order with the WADOE to assess historic environmental contamination and remediation feasibility at the site. As part of the order, we agreed to develop a CAP, arising from the feasibility assessment. In December 2020, we submitted to the WADOE a draft feasibility assessment with an array of remedial alternatives, which we considered substantially complete. During 2021, several comment rounds were completed as well as the identification of the Port of Everett and W&W Everett Investment LLC as additional PLPs, with respect to this matter with each PLP being jointly and severally liable for the cleanup costs. The WADOE received the final feasibility assessment on December 31, 2021, containing various remedial alternatives with its preferred remedial alternatives totaling \$23.4 million. Based on this study, we have determined our range of possible outcomes to be \$11.8 million to \$33.4 million. On March 1, 2022, we delivered a draft CAP consistent with the preferred alternatives which was approved by WADOE in August 2023. The existing Agreed Order of 2008 was also modified with WADOE in July 2023 to support the development of the associated CAP investigation, sampling and design components. With additional information gathered from the CAP investigation during 2024, we determined the total range of possible remediation cost outcomes to be between \$17.4 million to \$33.6 million. We have made provisions retained a provision of \$11.8 million within our financial statements within which considers the range of possible outcomes; however, the contents outcome costs and cost of the final CAP and potential allocation of the responsibility between the identified PLPs, both of which could vary materially from our estimates.

In December 2020, we entered into a COA with the PaDEP to remove a pile of wood fiber waste from our site in Towanda, Pennsylvania, which we acquired in connection with our acquisition of CMI in 2012, by using it as fuel for a boiler at that site. The COA replaced a 2018 Consent Decree between PaDEP and us. Under the COA, we are required to achieve certain periodic removal objectives and ultimately remove the entire pile by August 31, 2025. As of December 31, 2023 December 31, 2024 and December 31, 2022 2023, there was \$1.4 million and \$2.3 million, respectively in bonds posted in connection with these obligations. If we are unable Failure to remove this the pile by August 31, 2025, then would have resulted in forfeiture of the bonds will be forfeited, and we may be subject to penalties by PaDEP. We currently anticipate meeting all applicable During December 2024, we removed the wood fiber waste pile from the site and our removal deadlines; however, if our operations at this site decrease and we burn less fuel than currently anticipated, we may not be able to meet such deadlines. obligations under the COA closed.

For more information regarding the risks associated with environmental, health, and safety laws and regulations, see refer to Item 1A - Risk Factors.

Government Regulation

As a public company with global operations, we are subject to the laws and regulations of the United States and multiple foreign jurisdictions. These regulations, which differ among jurisdictions, include those related to financial and other disclosures, accounting standards, corporate governance, intellectual property, tax, trade, antitrust, employment, privacy, and anti-corruption, in addition to the environmental laws and regulations described above.

For a more detailed description of the various laws and regulations that affect our business, see refer to Item 1A - Risk Factors.

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Available Information

Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and amendments to reports filed pursuant to Sections 13(a) and 15(d) of the Exchange Act, are filed with the SEC. We are subject to the informational requirements of the Exchange Act and file or furnish reports, proxy statements and other information

with the SEC. Such reports and other information filed by us with the SEC are available free of charge on our website at investors.jeld-wen.com when such reports are made available and on the SEC's website at www.sec.gov. The contents of these websites are not incorporated into this filing. Further, our references to the URLs for these websites are intended to be inactive textual references only.

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Executive Officers of the Registrant

Set forth below is certain information about our executive officers. Ages are as of **February 20, 2024**. There are no family relationships among the following executive officers.

Julie C. Albrecht, *Executive Vice President and Chief Financial Officer*. Ms. Albrecht, age 56, joined the Company as Executive Vice President and Chief Financial Officer in July 2022. Previously, Ms. Albrecht joined Sonoco Products Company in 2017 as Vice President, Treasurer / Assistant Chief Financial Officer before being named Vice President, Chief Financial Officer in which role she served until June 2022. Prior to Sonoco, Ms. Albrecht served as Vice President, Finance, Investor Relations and Treasurer for Esterline Technologies Corporation (acquired by TransDigm in 2019). She began her finance career at PricewaterhouseCoopers. Ms. Albrecht earned a bachelor's degree in accounting from Wake Forest University.

Peggie Bolan, *Vice President and General Manager, North America Building Products and Fiber*. Ms. Bolan, age 52, joined the Company in October 2012 as Vice President and General Manager, North American Building Products and Fiber. She is a seasoned executive with experience in sales, marketing and operations. She earned a bachelor's degree in English from Vanderbilt University.

William J. Christensen, *Chief Executive Officer and Director*. Mr. Christensen, age 51, joined the Company in April 2022 as Executive Vice President and President, Europe. In December 2022, he was appointed to his current role as Chief Executive Officer and Director of the Company. Prior to joining the Company, Mr. Christensen was Chief Executive Officer and Group Executive Board Chair of REHAU AG, a Swiss-based global manufacturer, from 2018 to 2021. Prior to his appointment as Chief Executive Officer in 2018, Mr. Christensen served as **REHAU AG's Chief Marketing Officer** from 2016 to 2018. Prior to joining REHAU AG, Mr. Christensen was **the President of innofund.vc, a venture capital investor**, from 2016 to 2022. He was also the Chief Executive Officer of AFG Holding, Arbonia-Foster-Holding AG, a Swiss-based global building products manufacturer from 2014 to 2015. In addition, he spent ten years at Geberit International AG, a global plumbing manufacturer, in several executive roles including Group Executive Board Member and Head of International Sales, as well as President and Chief Executive Officer of The Chicago Faucets Company. He also served in various finance and business development roles at J.P. Morgan Securities and Rieter Automotive Systems. Mr. Christensen earned a bachelor's degree in economics from Rollins College and an MBA from the University of Chicago's Booth School of Business.

James S. Hayes, *Executive Vice President, General Counsel and Corporate Secretary*. Mr. Hayes, age 51, joined the Company in August 2018 as Vice President, Deputy General Counsel. In August 2022, he was promoted to Senior Vice President, Deputy General Counsel and Corporate Secretary. He was appointed to his current role in June 2023. Mr. Hayes leads the global legal team, providing legal advice and guidance to the Board of Directors and the senior leadership team. Mr. Hayes earned a bachelor's degree in English and history from Emory University and a law degree from Villanova University School of Law.

Daniel Jacobs, *Vice President and General Manager, North America Windows*. Mr. Jacobs, age 38, joined the Company in September 2008 as a Sales Representative and was promoted to Sales Manager in 2010. He has held roles of increasing responsibility as **National Account Manager and Director of National Accounts** from 2010 to 2016. In December 2016, Mr. Jacobs was promoted to Director of Product Management. He was promoted to Vice President and General Manager, Exterior Doors in June 2020 until May 2022 and was promoted to his current role in May 2022. Mr. Jacobs earned a bachelor's degree in economics from Rollins College.

Michael Leon, *Senior Vice President and Chief Accounting Officer*. Mr. Leon, age 43, joined the Company as Senior Vice President and Chief Accounting Officer in March 2023. Prior to joining the Company, Mr. Leon was the Chief Accounting Officer and Corporate Controller at Sealed Air, a global provider of packaging solutions, from June 2018 to March 2023, where he was also the Assistant Corporate Controller from December 2014 to June 2018. Mr. Leon earned a master's degree in accounting from the University of South Carolina.

Kevin C. Lilly, *Executive Vice President, Global Transformation*. Mr. Lilly, age 63, joined the Company as Senior Vice President and Chief Information Officer in February 2019 and was promoted to Executive Vice President and Chief Information Officer in July 2022. Mr. Lilly served as the Company's Interim Chief Executive Officer from August 2022 until December 2022 when he was named Executive Vice President, Global Transformation. Mr. Lilly leads the Company's enterprise transformation initiatives and has responsibility for the global information technology organization. Prior to joining the Company, he served as Vice President of IT at Trane Technologies (formerly Ingersoll Rand) from 2011 to 2019. Previously, he was VP and Chief Information Officer for AGCO Corporation and served in a number of IT and finance positions of increasing responsibility for global companies including KPMG, Xerox, Delphi Automotive, General Motors, and EDS. Mr. Lilly earned a bachelor's degree in business administration from Houghton College and attended the executive graduate program at the Thunderbird School of Global Management.

Wendy Livingston, *Executive Vice President, Chief Human Resources Officer*. Ms. Livingston, age 50, joined the Company as Executive Vice President, Chief Human Resources Officer in June 2023. Prior to joining the Company, Ms. Livingston was the Chief People Officer for Spreetail, a multinational e-commerce company, from August 2022 to June 2023 and the Senior Vice President and Chief Human Resources Officer for Harsco Corporation (now Envri Corporation), a global environmental services company, from August 2020 to August 2022. She held leadership roles of increasing responsibility at The Boeing Company, a global aerospace company, from 1996 to 2020, including interim Senior Vice President, Human Resources in 2020 and Vice President, Corporate Human Resources from 2017 to 2020. Ms. Livingston earned a bachelor's degree in business administration from Peru State College,

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a master's degree in human resource management from Lindenwood University and is certified by the Society for Human Resource Management.

Matthew Meier, Executive Vice President, Chief Digital and Information Officer. Mr. Meier, age 51, joined the Company as Executive Vice President, Chief Digital and Information Officer in January 2024. Previously, he was Executive Vice President, Chief Digital and Data Officer at Driven Brands Holding, Inc., an automotive services company, from October 2021 to January 2024. Prior to joining Driven Brands, Mr. Meier was employed at Whirlpool Corporation, a manufacturer of home appliances, as the Vice President, Global Technology Value Streams from 2020 to 2021 and as Vice President, Chief Information Officer from 2016 to 2020. Mr. Meier earned a bachelor's degree in industrial engineering from Purdue University, a master's degree in information systems management from Carnegie Mellon University and an MBA from the Massachusetts Institute of Technology Sloan School of Management.

Daniel Valenti Samantha Stoddard, Executive Vice President, and General Manager, North America Doors & Distribution, Chief Financial Officer. Mr. Valenti, Ms. Stoddard, age 41, joined the Company in December 2020 as Executive Vice President, and General Manager, Operations Finance. In February 2022, she was promoted to North America Doors & Distribution in January 2024. Previously, Mr. Valenti was employed at Whirlpool Corporation, a manufacturer of home appliances, Chief Financial Officer. In April 2024, she expanded her responsibilities to include leading global Finance Planning and Analysis (FP&A) and assumed the additional role as the Senior Vice President and General Manager, KitchenAid Small Appliances Head of FP&A. Ms. Stoddard was appointed to her current role in July 2024. Prior to joining JELD-WEN, Ms. Stoddard held various roles of increasing responsibility at Honeywell International, an American advanced-technology company, from September 2018 to December 2023. Mr. Valenti 2020, serving as the Chief Financial Officer, Personal Protection Equipment, from May 2020 to December 2020 and the Chief Financial Officer, Safety and Productivity Solutions Supply Chain, from February 2019 to April 2020. Ms. Stoddard earned a bachelor's degree in business administration economics and political science from the Wake Forest University and a master's degree in accounting from The University of North Carolina at Chapel Hill, Dallas.

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Gustavo Vianna, Executive Vice President and President, Europe. Mr. Vianna, age 56, joined the Company as Executive Vice President and President, Europe in January 2024. Prior to joining the Company, Mr. Vianna was employed at Aliaxis Group SA, a global manufacturer of advanced fluid management solutions, as Chief Executive Officer, EMEA from November 2020 to September 2022 and as Chief Business Officer from September 2019 to November 2020. Previously, he was the Chief Executive Officer, Pipe Business for Saint-Gobain Europe du Nord, a manufacturer and distributor of construction materials, from September 2016 to February 2019. Mr. Vianna earned a bachelor's degree in electrical engineering from Pontifical Catholic University and a master's degree in business administration from Fundação Getúlio Vargas.

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Item 1A - Risk Factors

Investing in our Common Stock involves a high degree of risk. These risks include those described below and may include additional risks and uncertainties not presently known to us or that we currently deem immaterial. You should carefully consider the following factors, as well as other information contained or incorporated by reference in this Annual Report on Form 10-K, before deciding to invest in shares of our Common Stock. Our business, financial condition, and results of operations could be materially adversely affected by any of these risks, and the trading price of our Common Stock could decline due to any of these risks, and you may lose all or part of your investment in our Common Stock.

Risks Relating to Our Business and Industry

Negative trends in overall business, financial market and economic conditions, and activity levels in our end markets may reduce demand for our products, which could have a material adverse effect on our business, financial condition, and results of operations.

Negative trends in overall business, financial market, and economic conditions globally or in the regions where we operate may reduce demand for our doors and windows, which is tied to activity levels in the R&R and new residential and non-residential construction end markets. In particular, the following factors may have a direct impact on our business in the regions where our products are marketed and sold:

- the strength of the economy;
- employment rates, consumer confidence, and spending rates;
- the availability and cost of credit;
- interest rate fluctuations (including mortgage and credit card interest rates), sustained periods of elevated interest rates, and the availability of financing for our customers and consumers;
- the amount and type of residential and non-residential construction;
- housing sales and home values;
- the age of existing home stock, home vacancy rates, and foreclosures;
- volatility in both debt and equity capital markets;
- increases in the cost of raw materials or any shortage in supplies or labor, including as a result of tariffs or other trade restrictions;
- disruptions or delays to the global supply chain;
- the effects of governmental regulation and initiatives to manage economic conditions;

- geographical shifts in population and other changes in demographics; and
- changes in weather patterns and extreme weather events.

While cyclicity in our new residential and non-residential construction end markets is moderated to a certain extent by R&R activity, much R&R spending is discretionary and can be deferred or postponed entirely when economic conditions are poor. We have experienced sales declines in all of our end markets during recent economic downturns.

Uncertain economic and political conditions may make it difficult for us and our customers or suppliers to accurately forecast and plan future business activities. activities or may cause delays or cancellation of construction projects. For example, changes to policies related to global trade and tariffs may result in uncertainty surrounding the future of the global economy which could have an adverse impact on consumer spending as well as our input costs.

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The ability of consumers to finance home construction and improvements is affected by the ability of consumers to procure third-party financing and the interest rates available for home mortgages, credit card debt, home equity or other lines of credit, and other sources of third-party financing. Negative business, financial market, and economic conditions, including rising inflation, interest rates and difficulty for consumers to procure financing, globally and within the industries or regions we compete in may materially and adversely affect demand for or costs to produce our products which could have a material adverse effect on our business, financial condition, and results of operations.

A decline in our relationships with our key customers, the amount of products they purchase from us, or a decline in our key customers' financial condition could have a material adverse effect on our business, financial condition, and results of operations.

Our business depends on our relationships with our key customers, which consist mainly of wholesale distributors and retail home centers.

Our top ten customers together accounted for approximately 43% 46%, 44% 43% and 43% 44% of our net revenues in the years ended

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December 31, December 31, 2024, 2023 2022 and 2021, 2022, respectively. The Home Depot, a customer of our North America segment, represents represented 16%, 15%, 16%, and 17% 16% of our consolidated net revenues during the years ended December 31, 2023 December 31, 2024, 2022, 2023 and 2021, 2022, respectively. Lowe's Companies, another customer of our North America segment, represents 11% represented 12%, 11%, and 10% 11% of our consolidated net revenues during the years ended December 31, 2023 December 31, 2024, 2022, 2023 and 2021, 2022, respectively. Although we have established and maintain significant long-term relationships with our key customers, we cannot assure you that all of these relationships will continue or will not diminish. Some of our key customers are volume purchasers who are much larger than us and have strong bargaining power with their suppliers, which limits our ability to recover cost increases through higher selling prices. We generally do not enter into long-term contracts with our customers, and they generally do not have an obligation to purchase products from us. Accordingly, sales from customers that have accounted for a significant portion of our sales in past periods, individually or as a group, may not continue in future periods, or if continued, may not reach or exceed historical levels in any period. For example, certain of our large customers perform periodic line reviews to assess their product offering, which have in the past and may in the future lead to loss of business and pricing pressures. Some of our large customers may also experience economic difficulties or otherwise default on their obligations to us. Furthermore, our pricing optimization strategy, which requires maintaining pricing discipline in order to improve or maintain profit margins, has in the past and may in the future lead to the loss of certain customers, including key customers, who do not agree to our pricing terms. The loss of, or a diminution in our relationship with, any of our largest customers could lower our sales volumes and could have a material adverse effect on our business, financial condition, and results of operations.

We operate in a highly competitive business environment. Failure to compete effectively and any decrease in demand for our products could have a material adverse effect on our business, financial condition, and results of operations.

We operate in a highly competitive business environment. Some of our competitors may have greater financial, marketing, and distribution resources and may develop stronger relationships with customers in the markets where we sell our products. Some of our competitors may be less leveraged than we are, providing them with more flexibility to invest in new facilities and processes and also making them better able to withstand adverse economic or industry conditions.

In addition, some of our competitors, regardless of their size or resources, may choose to compete in the marketplace by adopting more aggressive sales policies, including price cuts, or by devoting greater resources to the development, promotion, and sale of their products. This could result in our loss of customers and/or market share to these competitors, which may cause us to reduce the prices at which we sell our products to remain competitive.

As a result of competitive bidding processes, we may have to provide pricing concessions to our significant customers in order for us to keep their business. Reduced pricing would result in lower product margins on sales to those customers. There is no guarantee that a reduction in prices would be offset by sufficient gains in market share and sales volume to those customers.

The loss of, or a reduction in orders from, any significant customers, or decreases in the prices of our products due to lower demand, could have a material adverse effect on our business, financial condition, and results of operations.

Failure to implement our strategic cost reduction and productivity initiatives could adversely impact our business, financial condition, and results of operations.

Our future financial performance depends in part on our management's ability to successfully implement our strategic initiatives, including our productivity, cost reduction, and global footprint rationalization initiatives. We cannot guarantee the successful implementation of these initiatives and related strategies throughout the geographic regions in which we operate or that such implementation will improve our operating results. Any failure to successfully implement these initiatives and related strategies could adversely affect our business, financial condition, and results of operations, including increases in our severance restructuring and asset related asset-related charges. We may, in addition, decide to alter or discontinue certain aspects of our business strategy at any time.

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Our business will suffer if we are unable to retain and recruit executives, managers and employees at a competitive cost.

The success of our business depends upon the skills, experience, and efforts of our executives and other key employees. Our senior management team has acquired specialized knowledge and skills with respect to our business, and the loss of any of these individuals could harm our business, especially if we are not successful in developing adequate succession plans. In addition, we rely on the specialized knowledge and experience of certain key technical employees. Our business also depends on our ability to continue to recruit, train, and retain skilled employees. The loss of the services of these key executives and employees, or our inability to hire new personnel with the requisite skills, could have a material adverse effect on our business, financial condition, and results of operations. For example, our ability to develop new products or enhance existing products, sell products to our customers, or manage our business effectively could be impaired if we are unable to retain and attract qualified personnel. In addition, a significant increase in the wages paid by competing employers could result in a reduction of our qualified labor force, an increase in the wage rates that we must pay, or both. Lastly, we may experience higher levels of attrition within our professional workforce for a variety of reasons in the future, including if our compensation programs become uncompetitive or if the Company experiences significant disruption, including an economic downturn. We may not be able to attract highly qualified employees to replace such key personnel, particularly if the underlying reasons for the loss make the Company uncompetitive or attractive as an employer.

A disruption in our operations due to natural disasters, changes in weather patterns and related extreme weather events, public health crises, unstable geopolitical conditions or armed conflicts could have a material adverse effect on our business, financial condition, and results of operations.

We operate facilities worldwide. We have facilities located in areas that are vulnerable to hurricanes, earthquakes, wildfires, and other natural disasters. Weather patterns may affect our operating results and our ability to maintain our sales volume throughout the year. Because our customers depend on suitable weather to engage in construction projects, increased frequency or duration of extreme weather conditions could have a material adverse effect on our financial results or financial condition. Also, we cannot predict the effects that global climate change may have on our business. In addition to changes in weather patterns, it might, for example, reduce the demand for construction, destroy forests (increasing the cost and reducing the availability of wood products used in construction), and increase the cost and reduce the availability of raw materials and energy.

Our global operations expose us to risks associated with public health crises, such as pandemics and epidemics, which could harm our business and cause our operational results to suffer. In the event that a hurricane, earthquake, natural disaster, fire, pandemic, public health crisis, or other catastrophic event were to interrupt our operations for any extended period of time, it could delay shipment of merchandise to our customers, damage our reputation, or otherwise have a material adverse effect on our business, financial condition, and results of operations.

In addition, our operations may be interrupted by armed conflicts, terrorist attacks or other acts of violence or war. These attacks may directly impact our suppliers' or customers' physical facilities. Furthermore, these attacks may make travel and the transportation of our supplies and products more difficult and more expensive and ultimately have a material adverse effect on our business, financial condition, and results of operations. Political and economic instability in some regions of the world may also negatively impact the global economy and, therefore, our business. For instance, instabilities in the Middle East and the ongoing conflict between Russia and Ukraine, including sanctions imposed on Russia, has had and could continue to have an adverse impact on our business, such as shortages in materials and heightened inflation on materials, freight, and other variable costs, such as utilities. The consequences of any of these armed conflicts are unpredictable, and we may not be able to foresee events that could have an adverse effect on our business or your investment business. More generally, any of these events could cause consumer confidence and spending

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to decrease or result in increased volatility in the worldwide financial markets. They could also result in economic recessions. Any of these occurrences could have a material adverse effect on our business, financial condition, and results of operations.

We may not identify or effectively respond to consumer needs, expectations, or trends in a timely fashion, which could adversely affect our relationship with customers, our reputation, the demand for our brands, products, and services, and our market share.

Our business is subject to changing consumer and industry trends, demands and preferences that we must continually anticipate and adapt to, such as the increasing use of technology by our customers. Consumers are increasingly using the internet and mobile technology to research home improvement products and to inform and provide feedback on their purchasing and ownership experience for these products. Trends towards online purchases could impact our ability to compete as we currently sell a significant portion of our products through retail home centers, wholesale distributors, and building products dealers.

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Accordingly, the success of our business depends in part on our ability to maintain strong brands and identify and respond promptly to evolving trends in demographics, consumer preferences, and expectations and needs, while also managing inventory levels. It is difficult to successfully predict the products and services our customers will demand. Even if we are successful in anticipating consumer preferences, our ability to adequately react to and address those preferences will in part depend upon our continued ability to develop and introduce innovative, high-quality products and acquire or develop the intellectual property necessary to develop new products or improve our existing products. There can be no assurance that the products we develop, even those to which we devote substantial resources, will be successful. While we continue to invest in innovation, brand building, and brand awareness, and intend to increase our investments in these areas in the future, these initiatives may not be successful. Investment in a product could divert our attention and resources from other projects that become more commercially viable in the future. Failure to anticipate and successfully react to changing consumer preferences could have a material adverse effect on our business, financial condition, and results of operations.

In addition, our competitors could introduce new or improved products that would replace or reduce demand for our products or create new proprietary designs and/or changes in manufacturing technologies that may render our products obsolete or too expensive for efficient competition in the marketplace. Our failure to competitively respond to changing consumer and customer trends, demands, and preferences could cause us to lose market share, which could have a material adverse effect on our business, financial condition, and results of operations.

Manufacturing realignments and cost savings programs may result in a decrease in our short-term earnings and operating efficiency or expected benefits may not be achieved.

We continually review our manufacturing operations to address market changes and to implement efficiencies presented by past acquisitions. Effects of periodic manufacturing integrations, realignments, and cost savings programs have in the past and could in the future result in a decrease in our short-term earnings, cash flows, and operating efficiency until the expected results are achieved. Such programs may include the consolidation, integration, and upgrading of facilities, functions, systems, and procedures. Such programs involve substantial planning, often require capital investments, and may result in charges for fixed asset impairments or obsolescence and substantial severance costs. We also cannot assure that we will achieve all of our cost savings. Our ability to achieve cost savings and other benefits within expected time frames is subject to many estimates and assumptions. These estimates and assumptions are subject to significant economic, competitive, and other uncertainties, some of which are beyond our control. If these estimates and assumptions are incorrect, if we experience delays, or if other unforeseen events occur, our operations could experience disruption, and our business, financial condition, and results of operations could be materially and adversely affected.

Our business is seasonal, and revenue and profit can vary significantly throughout the year, which may adversely impact the timing of our cash flows and limit our liquidity at certain times of the year.

Our business is seasonal, and our net revenues and operating results can vary significantly from quarter to quarter based upon the timing of the building season in our markets. Our sales typically follow seasonal new construction and R&R industry patterns. The peak season for home construction and R&R activity in the majority of the geographies where we market and sell our products generally corresponds with the second and third calendar quarters, and therefore our sales volume is typically higher during those quarters. Our first and fourth quarter sales volumes are generally lower due to reduced R&R and new construction activity as a result of less favorable climate conditions in the majority of our geographic end markets. Failure to effectively manage our inventory in anticipation of or in response to seasonal fluctuations could negatively impact our liquidity profile during certain seasonal periods.

We Prices and availability of raw materials, freight, energy and other critical inputs we use to manufacture our products are subject to fluctuations due to inflation and other factors, and we may be unable to protect pass along to our intellectual property, customers the effects of any price increases.

As a manufacturer, our sales and we may face claims profitability are dependent on the availability and cost of intellectual property infringement.

We rely on a combination of patent, copyright, trademark, and trade secret laws, as well as confidentiality agreements, nondisclosure agreements, raw materials, freight, energy and other contractual commitments, to protect inputs. Prices and availability of our intellectual property rights. However, critical inputs fluctuate for a variety of reasons beyond our control, many of which cannot be anticipated with any degree of reliability. The reasons for these measures may not be adequate fluctuations include, among other things, variable worldwide supply and demand across different industries, speculation in commodities futures, general economic or sufficient, environmental conditions, inflation, political unrest and third parties may not always respect these legal protections even if they are aware of them. In addition, our competitors may develop similar technologies instability, such as the ongoing military conflict between Russia and know-how without violating our intellectual property rights. Furthermore, Ukraine and instabilities in the laws of foreign countries may not protect our intellectual property rights to Middle East, labor costs, competition, import duties, tariffs, worldwide currency fluctuations, freight, regulatory costs, and product and process evolutions that impact demand for the same extent as materials. Our most significant raw materials include logs and lumber, vinyl extrusions, glass, steel, and aluminum, each of which has been subject to periods of rapid and significant fluctuations in price. Changes in the laws prices of the U.S. The failure critical inputs have, and may continue to obtain worldwide patent and trademark protection may result in other companies copying and marketing products based have, a material adverse effect on our technologies or under brand or trade names similar to ours outside the jurisdictions in which we are protected. This could business, financial condition, and results of operations.

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impede our growthThe U.S. has imposed tariffs on various imported products, particularly from China, as well as on certain steel and aluminum products from other countries. In addition, in existing regions, create confusion among consumers, February 2025, the U.S. announced new and additional tariffs on foreign imports into the U.S., including most relevant to us, an additional 25% tariff on all imports from Canada. These tariffs were suspended for 30 days to facilitate negotiations. As of the date of this report, the proposed tariffs on all imports from Canada remain suspended. The imposition of tariffs may impact the prices of materials purchased outside of the U.S. and include goods in transit as well as increasing the price of domestically sourced materials, including, in particular, steel and aluminum. These changes in U.S. trade policy have resulted in, and may continue to result in, one or more foreign governments adopting responsive trade policies that make it more difficult or costly for us to do business in or import our products or components from those countries, or otherwise impact pricing and availability of raw materials. As another example, as global demand for key chemicals increases, the limited number of suppliers and investment in greater supply capacity drives increased global pricing. Additionally, anti-dumping and countervailing duty trade cases could impact our business and results of operations. We cannot predict the extent to which the U.S. or other countries will impose new or additional quotas, duties, tariffs, taxes or other similar products that could erode prices for our protected products.

Litigation may be necessary to protect our intellectual property rights. Intellectual property litigation can result in substantial costs, could distract our management, and could impinge restrictions upon other resources. Our failure to enforce and protect our intellectual property rights may cause us to lose brand recognition and result in a decrease in sales of our products.

Moreover, while we are not aware that any import or export of our products or brands infringes upon the proprietary rights of others, third parties may make such claims in the future. From future, nor can we predict future trade policy or the terms of any renegotiated trade agreements and their impact on our business.

We have short-term supply contracts with certain of our largest suppliers that limit our exposure to short-term fluctuations in prices and the availability of our materials, but we are susceptible to longer-term fluctuations in prices. Generally, we do not hedge against commodity price fluctuations but may from time to time, third parties time. Significant increases in the prices of raw materials for finished goods, including as a result of significant or protracted material shortages, may claim be difficult to pass through to customers and may negatively impact our profitability and net revenues. We may attempt to modify products that we have infringed upon their intellectual property rights and we may receive notices from such third parties asserting such claims. Any such infringement claims are thoroughly investigated and, regardless of merit, could be time-consuming and result in costly litigation or damages, undermine the exclusivity and value of our brands, decrease sales, or require us to enter into royalty or licensing agreements that use certain raw materials, but these changes may not be on acceptable terms successful.

Some of our manufacturing operations require the use of substantial amounts of electricity and that natural gas, which may be subject to significant price increases as the result of changes in overall supply and demand and the impacts of legislation and regulatory action. The current conflict between Russia and Ukraine has, and may continue to, affect the price of oil and natural gas throughout the world and impact the availability of energy supplies and other inputs at our manufacturing sites, particularly in Europe. Such a disruption in the supply of natural gas could impact our ability to continue our operations at such sites at normal levels. We have taken actions in an attempt to reduce the impact of energy price increases. However, these efforts may be insufficient to protect us against fluctuations in energy prices or shortages of natural gas and we could suffer adverse effects to net income and cash flow should we be unable to either offset or pass higher energy costs through to our customers in a timely manner or at all.

Our business may be affected by delays or interruptions in the delivery of raw materials, finished goods, and certain component parts. A supply shortage or delivery chain interruption could have a material adverse effect on our business, financial condition, and results of operations.

Changes We rely upon regular deliveries of raw materials, finished goods, and certain component parts. For certain raw materials that are used in weather patterns our products, we depend on a single or limited number of suppliers for our materials, and related extreme weather events, we typically do not have long-term contracts with our suppliers. If we are not able to accurately forecast our supply needs, our limited number of suppliers may make it difficult to quickly obtain additional raw materials to respond to shifting or increased demand. In addition, a supply shortage could occur as a result of unanticipated increases in market demand, including as a result of global climate change, accelerated demand in reaction to the threat of tariffs or trade restrictions; difficulties in production or delivery, including insufficient energy supply; financial difficulties; or catastrophic events in the supply chain. Furthermore, because our products and the components of some of our products are subject to regulation, changes to these regulations could significantly affect cause delays in delivery of raw materials, finished goods, and certain component parts.

We have experienced impacts to our financial results supply chain from economic and geopolitical uncertainties, including the ongoing military conflict between Russia and Ukraine, which have resulted in delays in receiving materials, manufacturing downtime, increased backlogs, and delayed out-bound freight.

Until we can make acceptable arrangements with alternate suppliers, any interruption or financial condition.

Weather patterns may affect our operating results and disruption could impact our ability to maintain ship orders on time and could idle some of our sales volume throughout the year. Because manufacturing capability for those products. This could result in a loss of revenues, reduced margins, and damage to our relationships with customers, depend on suitable weather to engage in construction projects, increased frequency or duration of extreme weather conditions which could have a material adverse effect on our business, financial condition, and results or financial condition. Also, we cannot predict the effects that global climate change may have on our business. In addition to changes in weather patterns, it might, for example, reduce the demand for construction, destroy forests (increasing the cost and reducing the availability of wood products used in construction), and increase the cost and reduce the availability of raw materials and energy operations.

We are exposed to political, economic, and other risks that arise from operating a multinational business.

We have operations in North America and Europe. In the year ended December 31, 2023 December 31, 2024, our North America segment accounted for approximately 73% 72% of net revenues and our Europe segment accounted for approximately 27% 28% of net revenues. Further, certain of our businesses obtain raw materials and finished goods from foreign suppliers. Accordingly, our business is subject to political, economic, and other risks that are inherent in operating in numerous countries.

These risks include:

- the difficulty of enforcing agreements, and collecting receivables, and protecting assets through foreign legal systems;

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- trade protection measures and import or export licensing requirements;
- the imposition of, or increases in, tariffs or other trade restrictions;
- required compliance with a variety of foreign laws and regulations, including the application of foreign labor regulations;
- tax rates in foreign countries and the imposition of withholding requirements on foreign earnings;
- difficulty in staffing and managing widespread operations;
- difficulty in transporting materials, components, and products;
- currency exchange rate fluctuations or the imposition of, or increases in, currency exchange controls; and
- potential inflation and interest rate fluctuation in applicable non-U.S. economies.

The success of our business depends in part on our ability to anticipate and effectively manage these and other risks. We cannot assure you that these and other factors will not have a material adverse effect on our international operations or ultimately on our global business, financial condition, and results of operations.

Certain of our customers may expand through consolidation and internal growth, which may increase their buying power. The increased size of our customers could have a material adverse effect on our business, financial condition, and results of operations.

Certain of our significant customers are large companies with strong buying power, and our customers may expand through consolidation or internal growth. Consolidation could decrease the number of potential significant customers for our products and increase our reliance on key customers. Further, the increased size of our customers could result in our customers seeking more favorable terms, including pricing, for the products that they purchase from us. Accordingly, the increased size of our customers may further limit our ability to maintain or raise prices in the future. This could have a material adverse effect on our business, financial condition, and results of operations.

We are subject to the credit risk of our customers, suppliers, and other counterparties.

We are subject to the credit risk of our customers, because we provide credit to our customers in the normal course of business. Any failure by our customers to meet their obligations to us may have a material adverse effect on our business, financial

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condition, and results of operations. In addition, we may incur increased expenses related to collections in the future if we find it necessary to take legal action to enforce the contractual obligations of a significant number of our customers.

Exchange rate fluctuations may impact our business, financial condition, and results of operations.

Our operations expose us to both transaction and translation exchange rate risks. In the year ended **December 31, 2023** **December 31, 2024**, 34% of our net revenues came from sales outside of the U.S., and we anticipate that our operations outside of the U.S. will continue to represent a significant portion of our net revenues for the foreseeable future. In addition, the nature of our operations often requires that we incur expenses in currencies other than those in which we earn revenue. In addition, if the effective price of our products were to increase as a result of fluctuations in foreign currency exchange rates, demand for our products could decline, which could adversely affect our business, financial condition, and results of operations. Also, because our financial statements are presented in U.S. dollars, we must translate the financial statements of our foreign subsidiaries and affiliates into U.S. dollars at exchange rates in effect during or at the end of each reporting period, and increases or decreases in the value of the U.S. dollar against other major currencies will affect our reported financial results, including the amount of our outstanding indebtedness.

We may be the subject of product liability claims, or product recalls and we may not accurately estimate costs related to warranty claims. Expenses associated with product liability claims and lawsuits and related negative publicity or warranty claims in excess of our reserves could have a material adverse effect on our business, financial condition, and results of operations.

Our products are used in a wide variety of residential, non-residential, and architectural applications. We face the risk of exposure to product liability or other claims, including class action lawsuits, in the event our products are alleged to be defective or have resulted in harm to others or to property. We may in the future incur liability if product liability lawsuits against us are successful. Moreover, any such lawsuits, whether or not successful, could result in adverse publicity to us, which could cause our sales to decline materially. In addition, it may be necessary for us to recall defective products, which would also result in adverse publicity, as well as resulting in costs connected to the recall and loss of sales. We maintain insurance coverage to protect us against product liability claims, but that coverage may not be adequate to cover all claims that may arise, or we may not be able to maintain adequate insurance coverage in the future at an acceptable cost. Any liability not covered by insurance could have a material adverse effect on our business, financial condition, and results of operations.

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In addition, consistent with industry practice, we provide warranties on many of our products, and we may experience costs associated with warranty claims if our products have defects in manufacture or design or they do not meet contractual specifications. We estimate our future warranty costs based on historical trends and product sales, but we may fail to accurately estimate those costs and thereby fail to establish adequate warranty reserves for them. If warranty claims exceed our estimates, it may have a material adverse effect on our business, financial condition, and results of operations.

Our annual effective tax rate and the amount of taxes we pay can change materially as a result of changes in U.S. and foreign tax laws, changes in the mix of our U.S. and foreign earnings, adjustments to our estimates for the potential outcome of any uncertain tax issues, and audits by federal, state and foreign tax authorities.

As a large multinational corporation, we are subject to U.S. federal, state and local, and many foreign tax laws and regulations, all of which are complex and subject to significant change and varying interpretations. Changes in these laws or regulations, or any change in the position of taxing authorities regarding their application, administration or interpretation, could have a material adverse effect on our business, consolidated financial condition or results of our operations. For example, in August 2022, the U.S. government enacted the Inflation Reduction Act of 2022 (the "Inflation Reduction Act") into law, which includes a corporate alternative minimum tax and an excise tax on corporate stock repurchases. Future changes in tax law could significantly impact our provision for income taxes, the amount of taxes payable, and our deferred tax asset and liability balances.

The Company must make judgments about the application of these inherently complex tax laws when calculating the provision for income taxes. The Company's provision for income taxes also includes estimates of additional tax that may be incurred for tax exposures and reflects various estimates and assumptions, including assessments of future earnings of the Company that could impact the valuation of its deferred tax assets. The Company's future results of operations and tax liability could be adversely affected by changes in the overall profitability of the Company, changes in the valuation of deferred tax assets and liabilities, changes in our effective tax rate as a result of a change in the mix of earnings in countries with differing statutory tax rates, and ongoing assessments of the Company's tax exposures.

In addition, our products, and our customers' products, are subject to import and excise duties and/or sales or value-added taxes in many jurisdictions in which we operate. Increases in these indirect taxes could affect the affordability of our products and our customers' products, and, therefore, reduce demand.

Recently, international tax norms governing each country's jurisdiction to tax cross-border international trade have evolved, and are expected to continue to evolve, due in part to the Base Erosion and Profit Shifting project led by the OECD, which represents a coalition of member countries including the United States, and supported by the G20. Changes in these laws and regulations, or any change in the position of tax authorities regarding their application, administration or interpretation could adversely affect our financial results. In addition, a number of countries are actively pursuing changes to their tax laws applicable to multinational corporations.

Due to widely varying tax rates in the taxing jurisdictions applicable to our business, a change in income generation to higher taxing jurisdictions or away from lower taxing jurisdictions may also have an adverse effect on our financial condition and results of operations.

We make estimates of the potential outcome of uncertain tax issues based on our assessment of relevant risks and facts and circumstances existing at the time, and we use these assessments to determine the adequacy of our provision for income taxes and other tax-related accounts. These estimates are highly judgmental. Although we believe we adequately provide for any reasonably foreseeable outcome related to these matters, future results may include favorable or unfavorable adjustments to estimated tax liabilities, which may cause our effective tax rate to fluctuate significantly.

In addition, our income tax returns are subject to regular examination by domestic and foreign tax authorities. These taxing authorities may disagree with the positions we have taken or intend to take regarding the tax treatment or characterization of any of our transactions. If any tax authority were to successfully challenge the tax treatment or characterization of any of our transactions, it could have a material adverse effect on our business, consolidated financial condition or results of our operations. Furthermore, regardless of whether any such challenge is resolved in our favor, the final resolution of such matter could be expensive and time consuming to defend and/or settle.

We may make acquisitions, divestitures, or investments in other businesses, which may involve risks or may not be successful.

Generally, we may seek to acquire businesses that broaden our existing product lines and service offerings or expand our geographic reach. There can be no assurance that we will be able to identify suitable acquisition candidates or that our acquisitions or investments in other businesses will be successful. We may also seek to divest business that do not align with our goal to streamline and simplify our operations. These acquisitions or investments in other businesses may also involve risks, many of which may be unpredictable and beyond our control, and which may have a material adverse effect on our business, financial condition, and results of operations, including risks related to:

- the nature of the acquired company's business;
- any acquired business not performing as well as anticipated;
- the potential loss of key employees of the acquired company;
- our inability to retain the customers and partners of the acquired company;
- any damage to our reputation as a result of performance or customer satisfaction problems relating to an acquired business;
- the failure of our due diligence procedures to detect material issues related to the acquired business, including exposure to legal claims for activities of the acquired business prior to the acquisition;
- unexpected liabilities resulting from the acquisition for which we may not be adequately indemnified;
- our inability to enforce indemnification and non-compete agreements;
- the integration of the personnel, operations, technologies, and products of the acquired business, and establishment of internal controls, into the acquired company's operations;
- our failure to achieve projected synergies or cost savings;
- additional stock-based compensation issued or assumed in connection with an acquisition, including the impact on stockholder dilution and our results of operations;

- our inability to establish uniform standards, controls, procedures, and policies;
- any requirement that we make divestitures of operations or properties in connection with any acquisitions;
- the diversion of management attention and financial resources;
- our inability to obtain approvals from government authorities; and
- any unforeseen management and operational difficulties, particularly if we acquire assets or businesses in new foreign jurisdictions where we have little or no operational experience.

Our inability to achieve the anticipated benefits of acquisitions and other investments could materially and adversely affect our business, financial condition, and results of operations. In addition, the means by which we finance an acquisition may have a material adverse effect on our business, financial condition, and results of operations, including changes to our equity, debt, and liquidity position. If we issue Convertible Preferred or Common Stock to pay for an acquisition, the ownership percentage of our existing shareholders may be diluted. Using our existing cash may reduce our liquidity. Incurring additional debt to fund an acquisition may result in higher debt service and a requirement to comply with additional financial and other covenants, including potential restrictions on future acquisitions and distributions.

COVID-19 has had, and may continue to have, a negative impact on the global economy and on our business, operations, and results.

While the level of disruption caused by, and the economic impact of, the COVID-19 pandemic has lessened since 2021, there is no assurance that the pandemic will not worsen again, including as a result of the emergence of new strains of the virus, or another health-related emergency will not emerge. Any worsening of the pandemic or a new health-related emergency and their effects on the economy could have an adverse impact on our business, financial condition, and results of operations.

Risks Relating to Labor and Supply Chain

Prices and availability of raw materials, freight, energy and other critical inputs we use to manufacture our products are subject to fluctuations due to inflation and other factors, and we may be unable to pass along to protect our customers the effects of intellectual property, and we may face claims of any price increases. intellectual property infringement.

As we rely on a manufacturer, our sales combination of patent, copyright, trademark, and profitability are dependent on the availability and cost of raw materials, freight, energy and other inputs. Prices and availability of our critical inputs fluctuate for a variety of reasons beyond our control, many of which cannot be anticipated with any degree of reliability. The reasons for these fluctuations include, among other things, variable worldwide supply and demand across different industries, speculation in commodities futures, general economic or environmental conditions, inflation, political unrest and instability, such as the ongoing military conflict between Russia and Ukraine and instabilities in the Middle East, labor costs, competition, import duties, tariffs, worldwide currency fluctuations, freight, regulatory costs, and product and process evolutions that impact demand for the same materials. Our most significant raw materials include logs and lumber, vinyl extrusions, glass, steel, and aluminum, each of which has been subject to periods of rapid and significant fluctuations in price. Changes in the prices of critical inputs have, and may continue to have, a material adverse effect on our business, financial condition, and results of operations.

The U.S. has imposed tariffs on certain products imported into the U.S. from China, trade secret laws, as well as tariffs on certain steel confidentiality agreements, nondisclosure agreements, and aluminum products imported from certain other contractual commitments, to protect our intellectual property rights. However, these measures may

not be adequate or sufficient, and third parties may not always respect these legal protections even if they are aware of them. In addition, our competitors may develop similar technologies and know-how without violating our intellectual property rights. Furthermore, the laws of foreign countries could impose additional tariffs or trade restrictions. The imposition of tariffs may impact not protect our intellectual property rights to the prices of materials purchased outside same extent as the laws of the U.S. The failure to obtain worldwide patent and include goods trademark protection may result in transit as well as increasing other companies copying and marketing products based on our technologies or under brand or trade names similar to ours outside the price of domestically sourced materials, including, jurisdictions in particular, steel which we are protected. This could impede our growth in existing regions, create confusion among consumers, and aluminum. Impositions of tariffs by other countries could also impact pricing and availability of raw materials. As another example, as global demand for key chemicals increases, the limited number of suppliers and investment result in a greater supply capacity drives increased global pricing. Additionally, anti-dumping and countervailing duty trade cases of similar products that could impact erode prices for our business and results of operations. While we believe our exposure to the potential increased costs of these tariffs and duties is no greater than the industry as a whole, our business and results of operations protected products.

Litigation may be adversely affected if necessary to protect our efforts intellectual property rights. Intellectual property litigation can result in substantial costs, could distract our management, and could impinge upon other resources. Our failure to mitigate their effects are unsuccessful.

We have short-term supply contracts with certain enforce and protect our intellectual property rights may cause us to lose brand recognition and result in a decrease in sales of our largest suppliers that limit our exposure to short term fluctuations in prices and availability of our materials, but we are susceptible to longer-term fluctuations in prices. Generally, we do not hedge against commodity price fluctuations, but may from time to time. Significant increases in the prices of raw materials for finished goods, including as a result of significant or protracted material shortages due to pandemic or otherwise, may be difficult to pass through to customers and may negatively impact our profitability and net revenues. We may attempt to modify products that use certain raw materials, but these changes may not be successful.

Some of our manufacturing operations require the use of substantial amounts of electricity and natural gas, which may be subject to significant price increases as the result of changes in overall supply and demand and the impacts of legislation and regulatory action. The current conflict between Russia and Ukraine has, and may continue to, affect the price of oil and natural gas throughout the world and impact the availability of energy supplies and other inputs at our manufacturing sites, particularly in Europe. products.

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Such a disruption in the supply of natural gas could impact our ability to continue our operations at such sites at normal levels. We have taken actions in an attempt to reduce the impact of energy price increases. However, these efforts may be insufficient to protect us against fluctuations in energy prices or shortages of natural gas and we could suffer adverse effects to net income and cash flow should we be unable to either offset or pass higher energy costs through to our customers in a timely manner or at all.

Our business may be affected by delays or interruptions in the delivery of raw materials, finished goods, and certain component parts. A supply shortage or delivery chain interruption could have a material adverse effect on our business, financial condition, and results of operations.

We rely upon regular deliveries of raw materials, finished goods, and certain component parts. For certain raw materials that are used in our products, we depend on a single or limited number of suppliers for our materials, and we typically do not have long-term contracts with our suppliers. Moreover, while we are not able to accurately forecast our supply needs, our limited number of suppliers may make it difficult to quickly obtain additional raw materials to respond to shifting or increased demand. In addition, a supply shortage could occur as a result of unanticipated increases in market demand, including as a result of accelerated demand in reaction to the threat of tariffs or trade restrictions; difficulties in production or delivery, including insufficient energy supply; financial difficulties; or catastrophic events in the supply chain. Furthermore, because our products and the components of some aware that any of our products are subject or brands infringes upon the proprietary rights of others, third parties may make such claims in the future. From time to regulation, changes to these regulations could cause delays in delivery of raw materials, finished goods, and certain component parts.

We have experienced impacts to our supply chain from economic and geopolitical uncertainties, including the ongoing military conflict between Russia and Ukraine, which have resulted in delays in receiving materials, manufacturing downtime, increased backlogs, and delayed out-bound freight. Although less severe than prior years, time, third parties may claim that we have continued to experience adverse effects infringed upon their intellectual property rights, and we may receive notices from such third parties asserting such claims. Any such infringement claims are thoroughly investigated and, regardless of supply chain disruptions merit, could be time-consuming and result in 2023 costly litigation or damages, undermine the exclusivity and may continue to in the future.

Until we can make acceptable arrangements with alternate suppliers, any interruption or disruption could impact our ability to ship orders on time and could idle some value of our manufacturing capability for those products. This could result in a loss of revenues, reduced margins, brands, decrease sales, or require us to enter into royalty or licensing agreements that may not be on acceptable terms and damage to our relationships with customers, which that could have a material adverse effect on our business, financial condition, and results of operations.

Increases in labor costs, potential labor disputes, and work stoppages at our facilities or the facilities of our suppliers could have a material adverse effect on our business, financial condition, and results of operations.

Our financial performance is affected by the availability of qualified personnel and the cost of labor. We have employees in the U.S. and Canada that are unionized workers, and the majority of our workforce in other countries belong to work councils or are otherwise subject to labor agreements. U.S. and Canada employees represented by these unions are subject to collective bargaining agreements that are subject to periodic negotiation and renewal. If we are unable to enter into new, satisfactory labor agreements with our unionized employees upon expiration of their agreements, we could experience a significant disruption of our operations, which could cause us to be unable to deliver products to customers on a timely basis. Such disruptions could result in a loss of business and an increase in our operating expenses, which could reduce our net revenues and profit margins. In addition, our non-unionized labor force may become subject to labor union organizing efforts, which could cause us to incur additional labor costs and increase the related risks that we now face.

We believe many of our direct and indirect suppliers also have unionized workforces. Strikes, work stoppages, or slowdowns experienced by suppliers could result in slowdowns or closures of facilities where components of our products are manufactured or delivered. Any interruption in the production or delivery of these components could reduce sales, increase costs, and have a material adverse effect on us.

Our business will suffer if we are unable to retain and recruit executives, managers and employees at a competitive cost.

The success of our business depends upon the skills, experience, and efforts of our executives and other key employees. Our senior management team has acquired specialized knowledge and skills with respect to our business, and the loss of any of these individuals could harm our business, especially if we are not successful in developing adequate succession plans. In addition, we rely on the specialized knowledge and experience of certain key technical employees. Our business also depends on our ability to

continue to recruit, train, and retain skilled employees, particularly skilled sales personnel. The loss of the services of these key executives and employees, or our inability to hire new personnel with the requisite skills, could have a material adverse effect on our business, financial condition, and results of operations. For example, our ability to develop new products or enhance existing products, sell products to our customers, or manage our business effectively could be impaired if we are unable to retain and attract qualified personnel. In addition, a significant increase in the wages paid by competing employers could result in a reduction of our qualified labor force, increases in the wage rates that we must pay, or both.

Our pension plan obligations are currently not fully funded, and we may have to make significant cash payments to these plans, which would reduce the cash available for our businesses.

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Although we have closed our U.S. pension plan to new participants and have frozen future benefit accruals for current participants, we continue to have unfunded obligations under that plan. The funded levels of our pension plan depend upon many factors, including returns on invested assets, certain market interest rates, and the discount rate used to determine pension obligations. The projected benefit obligation and unfunded liability overfunded pension assets included in our consolidated financial statements as of December 31, 2023 December 31, 2024, for our U.S. pension plan were approximately \$283.9 million \$261.5 million and \$4.3 million \$0.9 million, respectively. Unfavorable returns on the plan assets or unfavorable changes in applicable laws or regulations could materially change the timing and amount of required plan funding, which would reduce the cash available for our operations. In addition, a decrease in the discount rate used to determine pension obligations could increase the estimated value of our pension obligations, which would affect the reported funding status of our pension plans and would require us to increase the amounts of future contributions. Additionally, we have foreign defined benefit plans, some of which continue to be open to new participants. As of December 31, 2023 December 31, 2024, our foreign defined benefit plans had unfunded pension liabilities of approximately \$27.0 million \$26.2 million.

Under the Employee Retirement Income Security Act of 1974, as amended, or "ERISA", the U.S. Pension Benefit Guaranty Corporation, or the "PBGC", also has the authority to terminate an underfunded tax-qualified U.S. pension plan under certain circumstances. In the event our tax-qualified U.S. pension plans were terminated by the PBGC, we could be liable to the PBGC for an amount that exceeds the underfunding disclosed in our consolidated financial statements. In addition, because our U.S. pension plan has unfunded obligations, if we have a substantial cessation of operations at a U.S. facility and, as a result of such cessation of operations an event under ERISA Section 4062(e) is triggered, additional liabilities that exceed the amounts disclosed in our consolidated financial statements could arise, including an obligation for us to provide additional contributions or alternative security for a period of time after such an event occurs. Any such action could have a material adverse effect on our business, financial condition, and results of operations.

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Risks Relating to Cybersecurity and Data Privacy

We are highly dependent on information technology, the disruption of which could significantly impede our ability to do business.

Our operations depend on our network of information technology systems (whether our own or those of our third-party service providers), each of which are vulnerable to damage from hardware failure, fire, power loss, telecommunications failure, and impacts of cyber-attacks, terrorism, natural disasters, or other disasters. We rely on our information technology systems to accurately maintain books and records, record transactions, provide information to management and prepare our financial statements. We may not have sufficient redundant operations to cover a loss or failure in a timely manner. Any damage to our information technology systems, regardless of the cause, could cause interruptions to our operations that materially adversely affect our ability to meet customers' requirements, resulting in an adverse impact to our business, financial condition, and results of operations. Periodically, these systems need to be expanded, updated, or upgraded as our business needs change. We may not be able to successfully implement changes in our information technology systems without experiencing difficulties, which could require significant financial and human resources. Moreover, our increasing dependence on technology may exacerbate this risk.

Our systems and IT infrastructure have been and may continue to be subject to security breaches and other cybersecurity incidents.

We rely on the accuracy, capacity, and security of digital technologies, including information systems, infrastructure, and cloud applications, some of which are managed or hosted by third party service providers, and the sale of our products may involve the transmission and/or storage of data, including in certain instances customers' and employees' business and personally identifiable information. Maintaining the security of computers, computer networks, and data storage resources is a critical issue for us and our customers, as security breaches, including computer viruses and malware, denial of service actions, misappropriation of data and similar events through the internet, including via devices and applications connected to the internet, and through email attachments and persons with access to these information systems could result in vulnerabilities and loss of and/or unauthorized access to confidential information. The use of generative artificial intelligence ("AI") in our internal systems may create new vulnerabilities. Because generative AI is a new field, understanding of security risks and protection methods continues to develop. We have experienced and could continue to experience cybersecurity incidents, such as attempts by experienced hackers, cybercriminals, or others with authorized access to our systems to misappropriate our proprietary information and technology, interrupt our business, and/or gain unauthorized access to confidential information, some of which have been, and may continue to be, successful. If our IT systems or those managed or hosted by third party service providers are breached, or cease to function as anticipated, we could suffer interruptions or inefficiencies in our operations, harm to our reputation, or misappropriation of proprietary or confidential information, including personal information. This could lead some customers to stop purchasing our products and reduce or delay future purchases of our products or use competing products.

In addition, we could face enforcement actions by U.S. states, the U.S. federal government, or foreign governments, which could result in fines, penalties, and/or other liabilities, which may cause us to incur legal fees and costs, and/or additional costs associated with responding to the cyberattack. Increased regulation regarding cybersecurity may increase our costs of compliance, including fines and penalties, as well as costs of cybersecurity audits and associated repairs or updates to infrastructure, physical systems or data processing systems. Any of these actions could have a material adverse impact on our business and results of operations. Although we maintain insurance coverage to protect us against some of the risks, those policies may be insufficient to

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cover all losses or all types of claims that may arise in the event we experience a cybersecurity incident, data breach or disruption, unauthorized access, or failure of systems.

In addition, we are subject to state, foreign, and international laws and regulations, as well as contractual obligations, that apply to the collection, use, retention, protection, disclosure, transfer and other processing of personal data. These privacy and data-protection related laws and regulations are evolving, with new or modified laws and regulations proposed and implemented frequently and existing laws and regulations subject to new or different interpretations. In particular, the E.U. **General Data Protection Regulation ("GDPR")**, which became effective in 2018, poses increased compliance challenges both for companies operating within the E.U. and non-E.U. companies that administer or process certain personal data of E.U. residents. It is not possible to predict the ultimate content, and therefore effect, of data protection regulation over time, and efforts to comply with evolving regulation may result in additional costs.

We believe we have invested in industry-appropriate protections and monitoring practices for our data and information technology to reduce these risks and continue to monitor our systems on an ongoing basis for compliance with applicable privacy regulations and any current or potential threats. While we have not experienced any material breaches in security in our recent history, there can be no assurance that our efforts will prevent breakdowns or breaches to databases or systems that could have a material adverse effect on our business, financial condition, and results of operations, or that we will be subject to enforcement actions or penalties in connection with a failure or alleged failure to comply with applicable laws.

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Risks Relating to our Governmental and Regulatory Environment

Changes in building codes and standards, including ENERGY STAR standards, could increase the cost of our products, lower the demand for our windows and doors, or otherwise adversely affect our business.

Our products and markets are subject to extensive and complex local, state, federal and foreign statutes, ordinances, rules, and regulations. These mandates, including building design and safety and construction standards and zoning requirements, affect the cost, selection, and quality requirements of building components like windows and doors.

These regulations often provide broad discretion to governmental authorities as to the types and quality specifications of products used in new residential and non-residential construction and home renovations and improvement projects, and different governmental authorities can impose different standards. Compliance with these standards and changes in such regulations may increase the costs of manufacturing our products or may reduce the demand for certain of our products in the affected geographical areas or product markets. Conversely, a decrease in product safety standards could reduce demand for our more modern products if less expensive alternatives that did not meet higher standards became available for use in that market. All or any of these changes could have a material adverse effect on our business, financial condition, and results of operations.

In addition, in order for our products to obtain the "ENERGY STAR" certification, they must meet certain requirements set by the EPA. Changes in the energy efficiency requirements established by the EPA for the ENERGY STAR label could increase our costs, and a lapse in our ability to label our products as such or to comply with the new standards, may have a material adverse effect on our business, financial condition, and results of operations.

Domestic and foreign regulations, legislation and government policy, including those applicable to general business operations, could increase the costs of operating our business and adversely affect our business.

We are subject to a variety of regulation, legislation and government policies from U.S. and foreign governmental authorities relating to wage requirements, employee benefits, and other matters. While it is not possible to predict whether and when any changes to the federal or administrative landscape will occur, changes at the local, state, and federal level could significantly impact our business. For example, changes in local minimum or living wage requirements, rights of employees to unionize, healthcare regulations, and other requirements relating to employee benefits could increase our labor costs, which would in turn increase our cost of doing business. In addition, our international operations are subject to laws applicable to foreign operations, trade protection measures, foreign labor relations, differing intellectual property rights, privacy regulations, other legal and regulatory constraints, and currency regulations of the countries or regions in which we currently operate or where we may operate in the future. These factors may restrict the sales of, or increase costs of, manufacturing and selling our products.

We may be subject to significant compliance costs, as well as liabilities under environmental, health, and safety laws and regulations.

Our past and present operations, assets, and products are subject to extensive environmental laws and regulations at the federal, state, and local level worldwide. These laws regulate, among other things, air emissions, the discharge or release of materials into the environment, the handling and disposal of wastes, remediation of contaminated sites, worker health and safety, and the impact of products on human health and safety and the environment. Under certain of these laws, liability for contaminated property may be imposed on current or former owners or operators of the property or on parties that generated or arranged for waste sent to the property for disposal. Liability under these laws may be joint and several and may be imposed without regard to fault or the legality of

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the activity giving rise to the contamination. Notwithstanding our compliance efforts, we may still face material liability, limitations on our operations, fines, or penalties for violations of environmental, health, and safety laws and regulations, including releases of regulated materials and contamination by us or previous occupants at our current or former properties or at offsite disposal locations we use.

The applicable environmental, health, and safety laws and regulations, and any changes to them or in their enforcement, may require us to make material expenditures with respect to ongoing compliance with or remediation under these laws and regulations or require that we modify our products or processes in a manner that increases our costs and/or reduces our profitability. For example, additional pollution control equipment, process changes, or other environmental control measures may be needed at some of our facilities to meet future requirements. In addition, the discovery of currently unknown or unanticipated soil or groundwater conditions at our properties could result in significant liabilities and costs. Accordingly, we are unable to predict the exact future costs of compliance with or liability under environmental, health, and safety laws and regulations.

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Legal, regulatory or stakeholder preferences regarding climate change and Environmental, Social, and Governance ("ESG") ESG matters could have an adverse impact on the Company's business and results of operations.

Concerns over the long-term effects of climate change have led to, and may continue to lead to, governmental efforts around the world to mitigate those effects. We will need to respond to any new laws and regulations as well as to consumer, investor and business preferences resulting from climate change concerns, which may have an impact on our business, from the demand for our customers' products in various industries to our costs of compliance in the manufacturing and servicing of our customers' products, all of which may impact our results of operations and result in costs to us in order to comply with any new laws, regulations or preferences. Overall, climate change, its effects and the resulting, unknown impact on government regulation, consumer, investor and business preferences could have a long-term material adverse effect on our business and results of operations.

Heightened stakeholder focus on ESG issues related to our business requires the continuous monitoring of various and evolving laws, regulations, standards and expectations and the associated reporting requirements. There can be no certainty that we will adequately or timely meet stakeholder expectations and reporting requirements, which may result in noncompliance with any imposed regulations, the loss of business, reputational impacts, diluted market valuation, an inability to attract and retain customers, and an inability to attract and retain top talent. In addition, our adoption and the reporting of certain standards or mandated compliance to with certain requirements could necessitate additional investments that could impact our profitability. The lack of economic and regulatory certainty surrounding ESG may have an adverse impact on our business and results of operations. Such regulatory uncertainty could adversely impact the demand for energy efficient products and could increase costs of compliance. Additionally, the extensive and frequently changing legislation and regulations could impose increased liability for remediation costs and civil or criminal penalties in cases of non-compliance.

Further, we have established and publicly disclosed ESG targets and goals and other sustainability commitments that are subject to a variety of assumptions, risks and uncertainties. If we are unable to, or perceived to be unable to, meet these targets, goals or commitments, our reputation, business and results of operations may be adversely impacted. In addition, not all of our competitors may seek to establish climate or other ESG targets and goals, or at a comparable level to ours, which could result in our competitors achieving competitive advantages through lower supply chain or operating costs.

Changes to legislative and regulatory policies that currently promote home ownership may have a material adverse effect on our business, financial condition, and results of operations.

Our markets are also affected by legislative and regulatory policies, such as U.S. tax rules, allowing for deductions of mortgage interest and the mandate of government-sponsored entities like Freddie Mac and Fannie Mae to promote home ownership through mortgage guarantees on certain types of home loans. The Tax Act passed in the U.S. in December 2017 made significant changes to some of these historical benefits of home ownership. The specific changes which could affect our markets are, among others, a reduction of the maximum amount of home mortgage indebtedness for which a tax deduction for interest paid may be claimed, an elimination of the deduction for interest paid on home equity indebtedness, and a limitation on the amount of state and local taxes allowed to be deducted annually as itemized deductions. These changes to the tax code and any future policy changes may adversely impact demand for our products and have a material adverse effect on our business, financial condition, and results of operations.

Lack of transparency, threat of fraud, public sector corruption, and other forms of criminal activity involving government officials increases the risk of potential liability under anti-bribery/anti-corruption or anti-fraud legislation, including the U.S. Foreign Corrupt Practices Act, FCPA, the U.K. Bribery Act, and similar laws and regulations.

As a result of the international nature of our operations, we may enter from time to time into negotiations and contractual arrangements with parties affiliated with foreign governments and their officials in the ordinary course of business. In connection with these activities, we may be subject to anti-corruption laws in various jurisdictions, including the U.S. Foreign Corrupt Practices Act, or the "FCPA", FCPA, the U.K. Bribery Act and other anti-bribery laws applicable to jurisdictions where we do business that prohibit improper payments or offers of payments to foreign government officials and political parties and others for the purpose of obtaining or retaining business, or otherwise receiving discretionary favorable treatment of any kind, and require the maintenance of internal controls to prevent such payments. In particular, we may be held liable for actions taken by agents in foreign countries where we operate, even though such parties are not always subject to our control. We have established anti-bribery/anti-corruption policies and

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procedures and offer several channels for raising concerns in an effort to comply with the laws and regulations applicable to us. However, there can be no assurance that our policies and procedures will effectively prevent us from violating these laws and regulations in every transaction in which we may engage. Allegations of violations of the FCPA or other anti-bribery or anti-corruption laws may result in internal, independent, or government investigations. Any determination that we have violated the FCPA or other anti-bribery/anti-corruption laws (whether directly or through acts of others, intentionally or through inadvertence) could result in severe criminal and civil sanctions and other liabilities that could have a material adverse effect on our business, reputation, financial condition, and results of operations.

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As we continue to expand our business globally, including through foreign acquisitions, we may have difficulty anticipating and effectively managing these and other risks that our international operations may face, which may adversely impact our business outside of the U.S. and our financial condition and results of operations. In addition, any acquisition of businesses with operations outside of the U.S. may exacerbate this risk.

Our annual effective tax rate and the amount of taxes we pay can change materially as a result of changes in U.S. and foreign tax laws, changes in the mix of our U.S. and foreign earnings, adjustments to our estimates for the potential outcome of any uncertain tax issues, and audits by federal, state and foreign tax authorities.

As a large multinational corporation, we are subject to U.S. federal, state and local, and many foreign tax laws and regulations, all of which are complex and subject to significant change and varying interpretations. Changes in these laws or regulations, or any change in the position of taxing authorities regarding their application, administration or interpretation, could have a material adverse effect on our business, consolidated financial condition or results of our operations. For example, in August 2022, the U.S. government enacted the Inflation Reduction Act of 2022 (the "Inflation Reduction Act") into law, which includes a new corporate alternative minimum tax and an excise tax on corporate stock repurchases. Future changes in tax law could significantly impact our provision for income taxes, the amount of taxes payable, and our deferred tax asset and liability balances. In

addition, our products, and our customers' products, are subject to import and excise duties and/or sales or value-added taxes in many jurisdictions in which we operate. Increases in these indirect taxes could affect the affordability of our products and our customers' products, and, therefore, reduce demand.

Recently, international tax norms governing each country's jurisdiction to tax cross-border international trade have evolved, and are expected to continue to evolve, due in part to the Base Erosion and Profit Shifting project led by the Organization for Economic Cooperation and Development ("OECD"), which represents a coalition of member countries including the United States, and supported by the G20. Changes in these laws and regulations, or any change in the position of tax authorities regarding their application, administration or interpretation could adversely affect our financial results. In addition, a number of countries are actively pursuing changes to their tax laws applicable to multinational corporations.

Due to widely varying tax rates in the taxing jurisdictions applicable to our business, a change in income generation to higher taxing jurisdictions or away from lower taxing jurisdictions may also have an adverse effect on our financial condition and results of operations.

We make estimates of the potential outcome of uncertain tax issues based on our assessment of relevant risks and facts and circumstances existing at the time, and we use these assessments to determine the adequacy of our provision for income taxes and other tax-related accounts. These estimates are highly judgmental. Although we believe we adequately provide for any reasonably foreseeable outcome related to these matters, future results may include favorable or unfavorable adjustments to estimated tax liabilities, which may cause our effective tax rate to fluctuate significantly.

In addition, our income tax returns are subject to regular examination by domestic and foreign tax authorities. These taxing authorities may disagree with the positions we have taken or intend to take regarding the tax treatment or characterization of any of our transactions. If any tax authorities were to successfully challenge the tax treatment or characterization of any of our transactions, it could have a material adverse effect on our business, consolidated financial condition or results of our operations. Furthermore, regardless of whether any such challenge is resolved in our favor, the final resolution of such matter could be expensive and time consuming to defend and/or settle.

Changes in accounting standards, new interpretations of existing standards and subjective assumptions, estimates, and judgments by management related to complex accounting matters could significantly affect our financial results or financial condition.

GAAP and related accounting pronouncements, implementation guidelines and interpretations with regard to a wide range of matters that are relevant to our business, such as revenue recognition, asset impairment, impairment of goodwill, inventories, lease obligations, pensions, self-insurance, tax matters, and litigation, are highly complex and involve many subjective assumptions, estimates, and judgments. Changes in these rules or their interpretation or changes in underlying assumptions, estimates, or judgments could significantly change our reported results.

Risks Relating to our Indebtedness

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Our failure to comply with the credit agreements governing our Credit Facilities and indentures governing the Senior Notes and Senior Secured Notes, including as a result of events beyond our control, could trigger events of default and acceleration of our indebtedness. Defaults under our debt agreements could have a material adverse effect on our business, financial condition, and results of operations.

If there were an event of default under the credit agreements governing our Credit Facilities, the indentures governing the Senior Notes, and Senior Secured Notes, or other indebtedness that we may incur, the holders of the defaulted indebtedness could cause all amounts outstanding with respect to that indebtedness to be immediately due and payable. It is likely that our cash flows would not be sufficient to fully repay borrowings under our Credit Facilities and principal amounts of the Senior Notes and Senior Secured Notes, if accelerated upon an event of default. If we are unable to repay, refinance, or restructure our secured debt, the holders of such indebtedness may proceed against the collateral securing that indebtedness.

Furthermore, any event of default or declaration of acceleration under one debt instrument may also result in an event of default under one or more of our other debt instruments. In exacerbated or prolonged circumstances, one or more of these events could result in our bankruptcy or liquidation. Accordingly, any default by us on our debt could have a material adverse effect on our business, financial condition, and results of operations.

Our indebtedness could adversely affect our financial flexibility and our competitive position.

Financial information regarding our indebtedness is included in [Refer to Note 12 - Long-Term Debt](#) to our [consolidated](#) financial statements included in this Form [10-K](#), [10-K](#) for more information regarding our indebtedness.

Our level of indebtedness increases the risk that we may be unable to generate cash sufficient to pay amounts due in respect of our indebtedness and could have other material consequences, including:

- limiting our ability to obtain financing in the future for working capital, capital expenditures, acquisitions, or other general corporate purposes;
- requiring us to use a substantial portion of our available cash flow to service our debt, which will reduce the amount of cash flow available for working capital, capital expenditures, acquisitions, and other general corporate purposes;
- increasing our vulnerability to general economic downturns and adverse industry conditions;
- limiting our flexibility in planning for, or reacting to, changes in our business and in our industry in general;
- limiting our ability to invest in and develop new products;
- placing us at a competitive disadvantage compared to our competitors that are not as highly leveraged, as we may be less capable of responding to adverse economic conditions, general economic downturns, and adverse industry conditions;
- restricting the way we conduct our business because of financial and operating covenants in the agreements governing our existing and future indebtedness;
- increasing the risk of our failing to satisfy our obligations with respect to borrowings outstanding under our Credit Facilities [Senior Notes](#), and [Senior Secured Notes](#) and/or being able to comply with the financial and operating covenants contained in our debt instruments, which could result in an event of default under the credit

agreements governing our Credit Facilities and the agreements governing our other debt, including the indentures governing the Senior Notes, and Senior Secured Notes, that, if not cured or waived, could have a material adverse effect on our business, financial condition, and results of operations; and

- increasing our cost of borrowing.

The credit agreements governing our Credit Facilities and the indentures governing the Senior Notes and Senior Secured Notes impose significant operating and financial restrictions on us that may prevent us from capitalizing on business opportunities.

The credit agreements governing our Credit Facilities and the indentures governing the Senior Notes and Senior Secured Notes impose significant operating and financial restrictions on us. These restrictions limit our ability, among other things, to:

- incur or guarantee additional indebtedness;
- make certain loans, investments, or restricted payments, including dividends to our shareholders;
- repurchase or redeem capital stock;

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- engage in certain transactions with affiliates;
- sell certain assets (including stock of subsidiaries) or merge with or into other companies; and
- create or incur liens.

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Under the terms of the ABL Facility, we will at times be required to comply with a specified fixed charge coverage ratio when the amount of certain unrestricted cash balances of the U.S. and Canadian loan parties plus the amount available for borrowing by the U.S. borrowers and Canadian borrowers is less than a specified amount. Our ability to meet the specified covenants could be affected by events beyond our control, and our failure to meet these covenants will result in an event of default as defined in the applicable facility.

In addition, our ability to borrow under the ABL Facility is limited by the amount of the borrowing base applicable to U.S. dollar and Canadian dollar borrowings. Any negative impact on the elements of our borrowing base, such as eligible accounts receivable and inventory, will reduce our borrowing capacity under the ABL Facility. Moreover, the ABL Facility provides discretion to the agent bank acting on behalf of the lenders to impose additional requirements on what accounts receivable and inventory may be counted toward the borrowing base availability and to impose other reserves, which could materially impair the amount of borrowings that would otherwise be available to us. There can be no assurance that the agent bank will not impose such reserves or, were it to do so, that the resulting impact of this action would not materially and adversely impair our liquidity.

As a result of these covenants and restrictions, we are limited in how we conduct our business, and we may be unable to raise additional debt or equity financing to compete effectively or to take advantage of new business opportunities or engage in other activities that may be in our long-term best interests. The terms of any future indebtedness we may incur could include more restrictive covenants. We cannot assure you that we will be able to maintain compliance with these covenants in the future and, if we fail to do so, we may be unable to obtain waivers from the lenders or amend the covenants.

We require a significant amount of liquidity to fund our operations, and borrowing may increase our vulnerability to negative unforeseen events.

Our liquidity needs vary throughout the year. If our business experiences materially negative unforeseen events, we may be unable to generate sufficient cash flow from operations to fund our needs or maintain sufficient liquidity to operate and remain in compliance with our debt covenants, which could result in reduced or delayed purchases of raw materials, planned capital expenditures, and other investments and adversely affect our financial condition or results of operations. Our ability to borrow under the ABL Facility may be limited due to decreases in the borrowing base as described above.

Risks Relating to Ownership of Our Common Stock

The market price of our Common Stock may be highly volatile.

Our Common Stock has been listed for public trading since January 27, 2017. Securities markets worldwide experience significant price and volume fluctuations. This market volatility, as well as other general economic, market or political conditions, could reduce the market price of our shares in spite of our operating performance. Various factors, including those listed in this *Item 1A - Risk Factors* section, may have a significant impact on the market price of our Common Stock.

In addition, broad market and industry factors, including the trading prices of the securities of our publicly traded competitors, may negatively affect the market price of our Common Stock, regardless of our actual operating performance, and factors beyond our control may cause our stock price to decline rapidly and unexpectedly. Furthermore, the stock market has experienced extreme volatility that, in some cases, has been unrelated or disproportionate to the operating performance of particular companies.

We may be subject to securities litigation, which is expensive and could divert management attention.

Our share price may be volatile and, in the past, companies that have experienced volatility in the market price of their stock have been subject to securities class action litigation. We may be the target of this type of litigation. Litigation of this type could result in substantial costs and diversion of management's attention and resources, which could have a material adverse effect on our business, financial condition, and results of operations. Any adverse determination in litigation could also subject us to significant liabilities and may negatively impact our share price.

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Because we have no current plans to pay cash dividends on our shares of Common Stock, shareholders must rely on appreciation of the value of our Common Stock for any return on their investment.

We currently anticipate that we will retain future earnings for the development, operation, and expansion of our business, to repay debt and potentially repurchase shares, and have no current plans to declare or pay any cash dividends in the foreseeable future. In addition, the terms of our Credit Facilities, Senior Notes, Senior Secured Notes, and any future debt agreements may preclude us from paying dividends. As a result, we expect that only appreciation of the price of our Common Stock, if any, will provide a return to shareholders for the foreseeable future.

Because we are a holding company with no operations of our own, we rely on dividends, distributions, and transfers of funds from our subsidiaries, and we could be harmed if such distributions were not made in the future.

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We are a holding company that conducts all of our operations through subsidiaries and the majority of our operating income is derived from JWI, our main operating subsidiary. Consequently, we rely on dividends or advances from our subsidiaries. We have no current plans to declare or pay dividends on our Common Stock for the foreseeable future; however, to the extent that we determine in the future to pay dividends on our Common Stock, none of our subsidiaries will be obligated to make funds available to us for the payment of dividends. The ability of such subsidiaries to pay dividends to us is subject to applicable local law and may be limited due to the terms of other contractual arrangements, including our indebtedness. Such laws and restrictions would restrict our ability to continue operations. In addition, Delaware law may impose requirements that may restrict our ability to pay dividends to holders of our Common Stock.

Item 1B - Unresolved Staff Comments.

Comments

None.

Item 1C - Cybersecurity.

Cybersecurity

Risk Management and Strategy

We maintain a comprehensive process for assessing, identifying and managing material risks from cybersecurity threats as part of our overall risk management system and processes. To that end, we regularly monitor the need and implementation of enhancements to security infrastructure, legacy system replacement, emerging technology risk assessment and security integration.

Our cybersecurity risk management processes include the following:

- a. We leverage the National Institute of Standards and Technology ("NIST") NIST framework to help ensure the Company's risk posture remains in alignment with the Company's overall risk appetite.
- b. The Company utilizes policies, software, training programs, hardware solutions and managed services to protect and monitor our environment, including multifactor authentication on all critical systems, firewalls, intrusion detection and prevention systems, vulnerability and penetration testing, identity and access management systems, cloud security controls and monitoring, data backup and recovery systems and 24x7 security operations center.
- c. The Company's approach to managing cybersecurity and digital risk is led by our CIO and CISO. Our CIO is supported by the Company at the highest levels and regularly engages with cross-functional teams at the Company, including Legal, Audit, Finance, Human Resources and Enterprise Risk Management.
- d. We also carry insurance that provides protection against the potential losses arising from a cybersecurity incident. Such insurance may be insufficient to cover all losses or all types of claims that may arise.
- e. Our cybersecurity team conducts semi-annual routine cyber awareness training for professional associates using an independent third-party security training provider to educate best practices, policies and responsibilities pertaining to cybersecurity. We also conduct quarterly periodic simulated phishing tests to generate awareness and run tabletop exercises to simulate a response to a cybersecurity incident and use the findings to improve our practices, procedures and technologies.
- f. Our cybersecurity incident response plan coordinates the activities we take to prepare for, detect, respond to, and recover from cybersecurity incidents, which include processes to triage, assess severity for, escalate, contain, investigate, communicate and remediate the incident, as well as to comply with potentially applicable legal obligations and mitigate brand and reputational damage.
- g. Our cybersecurity team regularly conduct tests of our information security environment and controls through vulnerability scanning, penetration testing and attack simulation testing.

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Additionally, our cybersecurity risk management processes include review and assessment by external, independent third parties, who assess the maturity of our cybersecurity program and identify areas for continued focus and improvement. Furthermore, our Legal Department advises the Board about best practices for cybersecurity oversight by the Board, and the evolution of that oversight over time.

Our cybersecurity risk management processes extend to the oversight and identification of threats associated with our use of third-party service providers. Our cybersecurity team conducts third-party software security reviews for new software products being implemented into our production environments. **The Company** We also has have a third-party risk management process that regularly assesses and monitors risks, including cybersecurity, from vendors and suppliers.

See "Risk Factors" in As of the date of this Form 10-K, we do not believe any risk from any cybersecurity threats or incidents have had, or are reasonably likely to have, a material impact on us; however, there is no guarantee that a future cybersecurity threat or incident will be detected and remediated to not have a material adverse impact on our business, results of operations and financial condition. Refer to Item 1A - *Risk Factors* of this Annual Report on Form 10-K for information on cybersecurity risks that may materially affect our business, **strategy**, results of operations and financial condition.

Governance

The cybersecurity risk management processes described above are led by our CIO and CISO, each having more than 25 years of information security experience. Our CIO reports to the CEO, and the CISO reports to the CIO. Our Board, Audit Committee, senior management and the Enterprise Risk Management Committee (a management committee of senior representatives from corporate functions and business lines) devote resources to cybersecurity and risk management processes. Cybersecurity and data governance risks are aligned with our overall Enterprise Risk Management process to help ensure potential cyber threats are identified, assessed and mitigated. Our top risks, such as cybersecurity, identified sub-risks and current and proposed mitigation strategies are reviewed regularly by the Enterprise Risk Management Committee. The Audit Committee is primarily responsible for the oversight of enterprise risk management and cybersecurity risks, including cybersecurity threats. To fulfill this responsibility, the Audit Committee receives periodic reports from the CIO, CIO and CISO. These reports include information regarding updates on cybersecurity initiatives, cybersecurity metrics, such as phishing

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results and attack volume metrics, results of any assessments performed by internal stakeholders or external third-party advisors and updates on cybersecurity trends and insights. The CIO provides and CISO provide a cybersecurity update to the full Board at least annually.

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Item 2 - Properties

Our principal executive office is located in Charlotte, North Carolina. We lease administrative office space in Charlotte, North Carolina and in Birmingham, U.K. We also own or lease other properties to support our primary operating activities, including sales offices and administrative office space in Klamath Falls, Oregon.

[Manufacturing](#)

[Manufacturing](#)

[Manufacturing](#)

North America

North America

North America

United States and Caribbean

United States and Caribbean

United States and Caribbean

United States

United States

United States

Canada

Canada

Canada

42

Total North America

42

Total North America

42

Total North America

Europe

Europe

Europe

United Kingdom

United Kingdom

United Kingdom

France

France

France

Austria

Austria

Austria

Czech Republic

Czech Republic

Czech Republic

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Denmark

Denmark

Denmark

Latvia

Latvia

Latvia

Estonia

Estonia

Estonia

Finland

Finland

Finland

Total Europe

Total Europe

Total Europe

Total JELD-WEN**Total JELD-WEN****Total JELD-WEN**[Back to top](#)**Item 3 - Legal Proceedings**

Information relating to this item is included within Note 25 - *Commitments and Contingencies* of to our consolidated financial statements included elsewhere in this Form 10-K. 10-K for information relating to this item.

Item 4 - Mine Safety Disclosures

Not applicable.

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PART II - OTHER INFORMATION

Item 5 - Market for Registrant's Common Equity, Related Shareholder Matters and Issuer Purchases of Equity Securities

Market Information and Holders

Our Common Stock has been listed and traded on the NYSE under the symbol "JELD" since January 27, 2017. Prior to that time, there was no public trading market for our stock. As of **February 16, 2024** **February 14, 2025**, there were approximately **1,374** **1,080** shareholders of record of our Common Stock. The number of record holders does not include a substantially greater number of holders whose shares are held of record in nominee or "street name" accounts through banks, brokers, and other financial institutions.

Stock Performance Graph

The following graph depicts the total return to shareholders from **December 31, 2018** **December 31, 2019** through **December 31, 2023** **December 31, 2024**, relative to the performance of the **Standard & Poor's 500 Russell 3000 Index** and the **Standard & Poor's 1500 Building Products Index**, **our self-selected peer group⁽¹⁾**. The graph assumes an investment of \$100 in our Common Stock and each index on **December 31, 2018** **December 31, 2019**, and the reinvestment of dividends paid since that date. **The Company chose to replace the S&P 500 Index and S&P 1500 Building Products Index with the Russell 3000 Index because we believe it is a better comparative index and will provide a meaningful comparison of our stock performance going forward. We chose to use a self-selected peer group consisting of companies noted below to include in the performance graph as we believe this peer group aligns with our markets and global exposure. The criteria used in determining this peer group included the size of the companies (measured in terms of annual revenue and market capitalization), industries and geographies in which the companies operate, stock price correlation and volatility relative to JELD-WEN, and increased representation of comparator companies used by shareholder advisory firms.** The stock performance shown in the graph is not necessarily indicative of future price performance.



*\$100 invested on **12/31/18** **December 31, 2019**, in stock or index, including reinvestment of dividends.
Fiscal year ended December 31.

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	12/31/2018	12/31/2019	12/31/2020	12/31/2021	12/31/2022	12/31/2023
JELD-WEN Holding, Inc.	\$100.00	\$164.74	\$178.47	\$185.5	\$67.91	\$132.86
S&P 500	\$100.00	\$131.49	\$155.68	\$200.37	\$164.08	\$207.21
S&P 1500 Building Products Index	\$100.00	\$142.18	\$182.48	\$267.75	\$205.19	\$295.93

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	December 31, 2019	December 31, 2020	December 31, 2021	December 31, 2022	December 31, 2023	December 31, 2024
JELD-WEN Holding, Inc.	\$100.00	\$108.33	\$112.60	\$41.22	\$80.65	\$34.99
Russell 3000	\$100.00	\$120.89	\$151.91	\$122.73	\$154.59	\$191.39
S&P 500	\$100.00	\$118.40	\$152.39	\$124.79	\$157.59	\$197.02
S&P Composite 1500 Building Products	\$100.00	\$128.34	\$188.32	\$144.32	\$208.14	\$250.36
Self-Selected Peer Group ⁽¹⁾	\$100.00	\$114.20	\$143.18	\$98.78	\$141.59	\$154.61

⁽¹⁾ The self-selected peer group index is comprised of the following companies: American Woodmark Corporation; Fortune Brands Innovations, Inc.; Interface Inc; Masco Corporation; Mohawk Industries, Inc.; and Owens Corning.

Equity Compensation Plans

See Refer to Item 12 - *Security Ownership of Certain Beneficial Owners and Management and Related Shareholder Matters* for the information required by Item 201(d) of Regulation S-K regarding equity compensation plans.

Dividends

We do not currently expect to pay any cash dividends on our Common Stock for the foreseeable future. Instead, we intend to retain future earnings, if any, for the future operation and expansion of our business, the repayment of debt, and potentially for share repurchases. Any determination to pay dividends in the future will be at the discretion of our Board of Directors and will depend upon our results of operations, cash requirements, financial condition, contractual restrictions, restrictions imposed by applicable laws, and other factors that our Board of Directors may deem relevant.

The terms of the agreements governing our existing or future indebtedness may limit our ability to pay dividends and make distributions to our shareholders. Our business is conducted through our subsidiaries and dividends from, and cash generated by, our subsidiaries will be our principal sources of cash to repay indebtedness, fund operations, and pay any dividends. Accordingly, our ability to pay dividends to our shareholders is dependent on the earnings and distributions of funds from our subsidiaries (which distributions may be restricted by the terms of our Corporate Credit Facilities and Senior Notes).

Item 6 - [Reserved]

Not applicable.

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Item 7 - Management's Discussion and Analysis of Financial Condition and Results of Operations

This MD&A contains forward-looking statements that involve risks and uncertainties. ~~Please see Refer to~~ "Forward-Looking Statements" in Item 1 - *Business* and Item 1A - *Risk Factors* in this Form 10-K for a discussion of the uncertainties, risks and assumptions associated with these statements. This discussion should be read in conjunction with our historical financial statements and related notes thereto and the other disclosures contained elsewhere in this Form 10-K. The results of operations for the periods reflected herein are not necessarily indicative of results that may be expected for future periods, and our actual results may differ materially from those discussed in the forward-looking statements as a result of various factors, including but not limited to those listed under Item 1A- *Risk Factors* and ~~included elsewhere~~ in this Form 10-K.

This MD&A is a supplement to our financial statements and notes thereto included elsewhere in this Form 10-K and is provided to enhance your understanding of our results of operations and financial condition. Our discussion of results of operations is presented in millions throughout the MD&A and due to rounding may not sum or calculate precisely to the totals and percentages provided in the tables. Our MD&A is organized as follows:

- Company Overview. This section provides a general description of our Company and reportable segments, business and industry trends, our key business strategies and background information on other matters discussed in this MD&A.
- Consolidated Results of Operations and Operating Results by Business Segment. This section provides our analysis and outlook for the significant line items on our consolidated statements of operations, as well as other information that we deem meaningful to an understanding of our results of operations on both a consolidated basis and a business segment basis.
- Liquidity and Capital Resources. This section contains an overview of our financing arrangements and provides an analysis of trends and uncertainties affecting liquidity, cash requirements for our business, and sources and uses of our cash.
- Critical Accounting Policies and Estimates. This section discusses the accounting policies that we consider important to the evaluation and reporting of our financial condition and results of operations, and whose application requires significant judgments or a complex estimation process.

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Company Overview

We are a leading global designer, manufacturer, and distributor of ~~high performance~~ ~~high-performance~~ interior and exterior doors, windows, and related building products, serving the new construction and R&R sectors.

We operate manufacturing and distribution facilities in ~~15~~ ~~14~~ countries, located primarily in North America and Europe. For many product lines, our manufacturing processes are vertically integrated, enhancing our range of capabilities, our ability to innovate, and our quality control as well as providing supply chain, transportation, and working capital savings.

Business Segments

Our business is organized in geographic regions to ensure integration across operations serving common end markets and customers. We have two reportable segments: North America and Europe. ~~Financial information related Refer to our business segments can be found in Note 14 - Segment Information of our financial statements included elsewhere in this Form 10-K.~~ ~~10-K for more information about our segments.~~

Divestitures

During 2021, the Company ceased the appeal process for its litigation with ~~Steves & Sons, Inc. ("Steves")~~ ~~Steves~~. As a result, we ~~are~~ ~~were~~ required to divest our ~~Towanda facility and related assets, which occurred on January 17, 2025. As of December 31, 2024, and prior to the Company's Towanda, PA operations ("Towanda"). Assuming customary court-ordered divestiture closing, conditions are met and subject to court approval, we believe believed the court-ordered divestiture will~~ ~~would~~ occur within the next twelve months and qualifies for held for sale accounting. We have reclassified certain assets and liabilities to assets held for sale in the accompanying financial statements. We ~~plan to continue reporting~~ ~~have reported~~ Towanda within our North America operations ~~until the divestiture is finalized. For additional through 2024. Refer to Note 25 - Commitments and Contingencies included in this Form 10-K for more information on the Steves litigation and divestiture, see Note 25 - Commitments and Contingencies of our financial statements included elsewhere in this Form 10-K.~~ ~~court-ordered divestiture.~~

On April 17, 2023, we entered into a Share Sale Agreement with Aristotle Holding III Pty Limited, a subsidiary of Platinum Equity Advisors, LLC, to sell our Australasia business. On July 2, 2023, we completed the sale. The net assets and operations of the disposal group met the criteria to be classified as "discontinued operations" and are

reported as such in all periods presented unless otherwise noted. The consolidated statements of cash flows include cash flows from discontinued operations through the divestiture date of July 2, 2023. See Refer to Note 2 - *Discontinued Operations* of our financial statements included elsewhere in this Form 10-K. 10-K for more information.

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Factors and Trends Affecting Our Business

Components of Net Revenues

The key components of our net revenues include Core Revenues (which we define to include the impact of pricing and volume/mix, as discussed further under the heading, "Product Pricing and Volume/Mix" below), contribution from acquisitions and divestitures made within the prior twelve months, and the impact of foreign exchange. Net revenues reported in our financial statements are impacted by the fluctuating currency values in the geographies in which we operate, which we refer to as the impact from foreign exchange. Throughout this "Management's Discussion and Analysis of Financial Condition and Results of Operations", Operations, percentage changes in pricing are based on management schedules and are not derived directly from our accounting records.

Product Demand

General business, financial market, and economic conditions globally and in the regions where we operate influence overall demand in our end markets and for our products. In particular, the following factors may have a direct impact on demand for our products in the countries and regions where our products are marketed and sold:

- the strength of the economy;
- employment rates, consumer confidence, and spending rates;
- the availability and cost of credit;
- interest rate fluctuations (including mortgage and credit card interest rates), sustained periods of elevated interest rates, and the availability of financing for our customers and consumers;
- the amount and type of residential and non-residential construction;
- housing sales and home values;
- the age of existing home stock, home vacancy rates, and foreclosures;
- volatility in both debt and equity capital markets;
- increases in the cost of raw materials or any shortage in supplies or labor, including as a result of tariffs or other trade restrictions;
- disruptions or delays to the global supply chain;

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- the effects of governmental regulation and initiatives to manage economic conditions;
- geographical shifts in population and other changes in demographics; and
- changes in weather patterns and extreme weather events.

In addition, we seek to drive demand for our products through the implementation of various strategies and initiatives. We believe we can enhance demand for our new and existing products by:

- innovating and developing new products and technologies;
- investing in branding and marketing strategies, including marketing campaigns in both print and social media, as well as our investments in training curriculum, in-field training and technologies to facilitate remote learning; and
- implementing channel initiatives to enhance our relationships with key channel partners and customers, including optimizing growth through rebate programs in North America.

Product Pricing and Volume/Mix

The price and mix of products that we sell are important drivers of our net revenues and net income. Under the heading "Results of Operations," references to (i) "pricing" refer to the impact of price increases or decreases, as applicable, for particular products between periods and (ii) "volume/mix" refer to the combined impact of both the number of products we sell in a particular period and the types of products sold, in each case, on net revenues. While we operate in competitive markets, the demand for our innovative products allows us to exercise pricing discipline, which is an important element of our strategy to achieve profitable growth through improved margins. Our strategy also includes incentivizing our channel partners to sell our higher margin products, and we believe a renewed focus on innovation and the development of new technologies will increase our sales volumes and the overall profitability of our product mix.

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Cost Reduction and Productivity Initiatives

Our senior management team has a proven track record of implementing operational excellence programs at various large, global manufacturing businesses, and we believe the same successes can be realized at JELD-WEN. Key areas of focus of our operational excellence, productivity, and footprint rationalization programs include:

- reducing labor, overtime, and waste costs by reducing facility count while optimizing manufacturing capacity and improving planning and manufacturing processes;
- increasing rigor and alignment around capital expenditures with a clear linkage to our strategy and optimizing returns;
- reducing or minimizing increases in material usage and costs through value-added engineering;
- investing in logistics optimization programs to reduce freight costs and increase throughput;
- redesigning our supply chain network to reduce lead times and optimize inventory levels to increase cash flow; and
- reducing warranty costs by improving quality.

We continue to implement our strategic cost-reduction and productivity initiatives to develop the culture and processes of operational excellence and continuous improvement. These cost reduction initiatives, which may include plant closures and consolidations, headcount reductions, and other various initiatives aimed at lowering production and overhead costs, may not produce the intended results within the intended timeframe.

Raw Material Costs

Commodities such as wood, steel, glass, fiberglass, aluminum and vinyl are major components in the production of our products. Changes in the underlying prices of these commodities have a direct impact on the cost of goods sold. While we attempt to pass on a substantial portion of such cost increases to our customers, we may not be successful in doing so. In addition, our results of operations for individual quarters may be negatively impacted by a delay between the time of raw material cost increases and a corresponding price increase. Conversely, our results of operations for individual quarters may be positively impacted by a delay between the time of a raw material price decrease and a corresponding competitive pricing decrease.

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Freight Costs

We incur substantial freight and duty costs to from third party logistics providers and port authorities to transport raw materials and work-in-process inventory to our manufacturing facilities and to deliver finished goods to our customers. Changes in freight and duty rates as well as the availability of freight services can have a significant impact on our cost of goods sold. Freight and duty costs have risen significantly are variable due to a number of several factors that have affected the supply and demand of trucking and port services, including increased regulation, such as logging of miles, increases in general economic activity, labor shortages, and an aging workforce. We attempt continue to monitor these key market drivers and proactively mitigate some of these cost increases costs through various internal initiatives and to pass a substantial portion of these increases to our customers; however, we may not realize the intended results within the intended timeframe. carrier contracts.

Working Capital and Seasonality

Working capital fluctuates throughout the year and is affected by the seasonality of sales of our products and of customer payment patterns. The peak season for home construction and remodeling in our North America and Europe segments generally corresponds with the second and third calendar quarters, and therefore our sales volume is usually generally higher during those quarters. Typically, working capital increases at the end of the first quarter and beginning of the second quarter in conjunction with, and in preparation for, our peak season, and working capital decreases starting in the third quarter as inventory levels and accounts receivable decline. Global supply markets and supply chains have been impacted by certain events, resulting in shortages and extended lead times impacting our operations and profitability. We continue to apply a number of different strategies to mitigate the impact of these challenges on our operations, including extending our demand planning, seeking alternative sources, utilizing substitute products and leveraging our supplier relationships.

Foreign Currency Exchange Rates

We report our consolidated financial results in U.S. dollars. Due to our international operations, the weakening or strengthening of foreign currencies against the U.S. dollar can affect our reported operating results and our cash flows as we translate our foreign subsidiaries' financial statements from their reporting currencies into U.S. dollars. See Refer to Item 1A - Risk Factors- Risks Relating to Our Business and Industry, Item 1A - Risk Factors- Exchange rate fluctuations may impact our business, financial condition, and results of operations, and Item 7A - Quantitative and Qualitative Disclosures About Market Risk- Exchange Rate Risk. Risk included in this Form 10-K.

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Components of our Operating Results

Net Revenues

Our net revenues are a function of sales volumes and selling prices, each of which is a function of product mix, and consist primarily of:

- sales of a wide variety of interior and exterior doors, including patio doors, for use in residential and non-residential applications, with and without frames, to a broad group of wholesale and retail customers in both of our geographic markets;
- sales of a wide variety of windows for both residential and certain non-residential uses, to a broad group of wholesale and retail customers in North America; and
- other sales, including sales of trim board, glass, hardware and locks, door skins, and window screens, and miscellaneous installation and other services. We also sell molded door skins to certain direct and indirect customers pursuant to long-term contracts, and these customers in turn use the molded door skins to manufacture interior doors and compete directly against us in the marketplace.

Net revenues do not include internal transfers of products between our component manufacturing, product manufacturing and assembly, and distribution facilities.

Cost of Sales

Cost of sales consists primarily of material costs, direct labor and benefit costs, repair and maintenance, depreciation, utility, rent and warranty expenses, outbound freight, insurance and benefits, supervision and tax expenses.

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Material Costs. The single largest component of cost of sales is material costs, which include raw materials, components, and finished goods purchased for use in manufacturing our products or for resale. Our most significant material costs include wood, wood composites, wood components, steel, glass, internally produced door skins, fiberglass compound, hardware, petroleum-based products such as resin and binders, as well as aluminum and vinyl extrusions. The cost of each of these items is impacted by global supply and demand trends, both within and outside our industry, as well as commodity price fluctuations, conversion costs, energy costs, and transportation costs. Material costs also include purchased finished goods. We have and may continue to experience inflation in our material costs, including increased costs for inbound freight, due to supply chain challenges from economic and geopolitical uncertainties, including the ongoing conflict between Russia and Ukraine. The imposition of new tariffs on imports, new trade restrictions, or changes in tariff rates or trade restrictions may further impact material costs. **See Refer to Item 7A - Quantitative and Qualitative Disclosures About Market Risk- Raw Materials Risk.** Risk included in this Form 10-K.

Direct Labor and Benefit Costs. Direct labor and benefit costs reflect a combination of production hours, average headcount, general wage levels, payroll taxes, and benefits provided to employees. Direct labor and benefit costs include wages, overtime, payroll taxes, and benefits paid to hourly employees at our facilities that are involved in the production and/or distribution of our products. These costs are generally managed by each facility and headcount is adjusted according to overall and seasonal production demand. We run multi-shift operations in many of our facilities to maximize return on assets and utilization. Direct labor and benefit costs fluctuate with headcount but generally tend to increase with inflation due to increases in wages and health benefit costs.

Repair and Maintenance, Depreciation, Utility, Rent, and Warranty Expenses.

- Repairs and maintenance costs consist of equipment and facility maintenance expenses, purchases of maintenance supplies, and the labor costs involved in performing maintenance on our equipment and facilities.
- Depreciation includes depreciation expense associated with our production assets and plants.
- Rent is predominantly comprised of lease costs for facilities we do not own as well as vehicle fleet and equipment lease costs. Facility leases are typically multi-year and may include increases tied to certain measures of inflation.
- Warranty expenses represent all costs related to servicing warranty claims and product issues and are mostly related to our window and door products sold in the U.S. and Canada.

Outbound Freight. Outbound freight includes payments to third-party carriers for shipments of orders to our customers, as well as driver, vehicle, and fuel expenses when we deliver orders to customers. **The Third-party carriers ship the majority of our products are shipped by third-party carriers.**

Insurance and Benefits, Supervision, and Tax Expenses.

- Insurance and benefit costs are the expenses relating to our insurance programs, health benefits, retirement benefit programs (including the pension plan), and other benefits for employees that are not included in direct labor and benefits costs.

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- Supervision costs are the wages and bonus expenses related to plant managers. Both insurance and benefits and supervision expenses tend to be influenced by headcount and wage levels.

- Tax costs are mostly payroll taxes for employees not included in direct labor and benefit costs, and property taxes. Tax expenses are impacted by changes in tax rates, headcount and wage levels, and the number and value of properties owned.

In addition, an appropriate portion of each of the insurance and benefits, supervision and tax expenses are allocated to SG&A expenses.

Selling, General, and Administrative Expenses

SG&A expenses **primarily** consist **primarily** of research and development, sales and marketing, and general and administrative expenses.

Research and Development. Research and development expenses consist primarily of personnel expenses related to research and development, consulting and contractor expenses, tooling and prototype materials, and overhead costs allocated to such expenses. Substantially **all** of our research and development expenses are related to developing new products and services and improving our existing products and services. To date, research and development expenses have been expensed as incurred, because the period between achieving technological feasibility and the release of products and services for sale has been short and development costs qualifying for capitalization have been insignificant.

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Sales and Marketing. Sales and marketing expenses consist primarily of advertising and marketing promotions of our products and services and related personnel expenses, as well as sales incentives, trade show and event costs, sponsorship costs, consulting and contractor expenses, travel, display expenses, and related amortization. Sales and marketing expenses are generally variable expenses.

General and Administrative. General and administrative expenses consist of personnel expenses for our finance, legal, human resources, and administrative personnel, as well as the costs of professional services, any allocated overhead, information technology, amortization of intangible assets acquired, and other administrative expenses.

Goodwill Impairment

Goodwill impairment consists of goodwill impairment charges associated with our Europe reporting unit **in** during the years ended December 31, 2022 and 2024. During the year ended **December 31, 2022**. For more information, refer **December 31, 2024**, **goodwill impairment also consists of goodwill impairment charges related to the court-ordered divestiture of Towanda**. Refer to Note 6 - **Goodwill of our consolidated financial statements** included in this Form **10-K**, **10-K** for more information.

Restructuring and Asset Related Charges

Restructuring charges, net consist primarily of all salary-related severance **and employee termination** benefits that are accrued and expensed when a restructuring plan has been put into place, the plan has received approval from the appropriate level of management and the benefit is probable and reasonably estimable. In addition to salary-related costs, we incur other restructuring costs and adjustments when facilities are closed, or capacity is realigned within the organization. Upon termination of an employment or commercial contract we record liabilities and expenses pursuant to the terms of the relevant agreement. For non-contractual restructuring activities, liabilities and expenses are measured and recorded at fair value in the period in which they are incurred. Asset related charges consist of accelerated depreciation and amortization of assets due to changes in asset useful lives. Refer to Note 19, **Restructuring and Asset-Related Charges** to **our consolidated financial statements** included in this Form **10-K** for more information.

Interest Expense, Net

Interest expense, net relates primarily to interest payments on our credit facilities and debt securities, as well as commitment fees and amortization of any original issue discount or debt issuance costs. Debt issuance costs are included as an offset to long-term debt in the accompanying consolidated balance sheets and are amortized to interest expense over the life of the related facility using the effective interest method. For additional details, see Refer to Note 21 - **Interest Expense, Net** and Note 12 - **Long-Term Debt** to **our consolidated financial statements** for the year ended December 31, 2023 included elsewhere in this Form **10-K**, for more information.

Other Income, Net

Other income, net, includes income and losses related to various miscellaneous non-operating expenses. For more information, refer Refer to Note 22 - **Other Income, Net** to **our consolidated financial statements** included in this Form **10-K**, for more information.

Income Taxes

Income taxes are recorded using the asset and liability method of accounting for income taxes. Under this method, deferred tax assets and liabilities are recognized for the deferred tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered

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or settled. The effect on deferred tax assets and liabilities due to a change in tax rates is recognized in income in the period that includes the date of enactment. We recognize the effect of income tax positions only if those positions are more likely than not of being sustained. Recognized income tax positions are measured at the largest amount that is greater

than 50% likely of being to be realized. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs. For more information, refer to Note 15 - *Income Tax* to our consolidated financial statements included in this Form 10-K. 10-K for more information.

Results of Operations

The tables in this section summarize key components of our results of operations for the periods indicated, both in U.S. dollars and as a percentage of our net revenues. Certain percentages presented in this section have been rounded to the nearest whole number. Accordingly, totals may not equal the sum of the line items in the tables below.

We present several financial metrics in "Core" terms, such as Core Revenue, which excludes the impact of foreign exchange, acquisitions and divestitures completed in the last twelve months. We believe Core Revenue assists management, investors, and analysts in understanding the organic performance of our operations.

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Comparison of the Year Ended December 31, 2024 to the Year Ended December 31, 2023

(amounts in thousands)	Year Ended December 31,				
	2024		2023		
		% of Net Revenues		% of Net Revenues	
Net revenues	\$ 3,775,592	100.0 %	\$ 4,304,334	100.0 %	
Cost of sales	3,086,618	81.8 %	3,471,713	80.7 %	
Gross margin	688,974	18.2 %	832,621	19.3 %	
Selling, general and administrative	652,527	17.3 %	655,280	15.2 %	
Goodwill impairment	94,801	2.5 %	—	— %	
Restructuring and asset-related charges	68,092	1.8 %	35,741	0.8 %	
Operating (loss) income	(126,446)	(3.3)%	141,600	3.3 %	
Interest expense, net	67,237	1.8 %	72,258	1.7 %	
Loss on extinguishment and refinancing of debt	1,908	0.1 %	6,487	0.2 %	
Other income, net	(24,773)	(0.7)%	(25,719)	(0.6)%	
(Loss) income from continuing operations before taxes	(170,818)	(4.5)%	88,574	2.1 %	
Income tax expense	16,762	0.4 %	63,339	1.5 %	
(Loss) income from continuing operations, net of tax	(187,580)	(5.0)%	25,235	0.6 %	
(Loss) gain on sale of discontinued operations, net of tax	(1,440)	— %	15,699	0.4 %	
Income from discontinued operations, net of tax	—	— %	21,511	0.5 %	
Net (loss) income	\$ (189,020)	(5.0)%	\$ 62,445	1.5 %	

Consolidated Results

Net Revenues – Net revenues decreased \$528.7 million, or 12.3%, to \$3,775.6 million in the year ended December 31, 2024, from \$4,304.3 million in the year ended December 31, 2023. The decrease in net revenues was primarily driven by a decrease in Core Revenues of 12%. Core Revenues decreased due to a 12% decline in volume/mix.

Gross Margin – Gross margin decreased \$143.6 million, or 17.3%, to \$689.0 million in the year ended December 31, 2024, from \$832.6 million in the year ended December 31, 2023. Gross margin as a percentage of net revenues was 18.2% in the year ended December 31, 2024, and 19.3% in the year ended December 31, 2023. The decrease in gross margin percentage was due to a decremental impact of volume/mix, partially offset by an increase in productivity.

SG&A Expense – SG&A expense decreased \$2.8 million, or 0.4%, to \$652.5 million in the year ended December 31, 2024, from \$655.3 million in the year ended December 31, 2023. SG&A expense as a percentage of net revenues increased to 17.3% in the year ended December 31, 2024, from 15.2% in the year ended December 31, 2023. The decrease in SG&A expense was primarily due to decreased performance-based variable compensation expense partially offset by increased professional fees, including non-recurring transformation journey expenses.

Goodwill Impairment – Goodwill impairment charges of \$94.8 million in the year ended December 31, 2024, consist of a \$63.4 million goodwill impairment charge associated with our Europe reporting unit, and a \$31.4 million goodwill impairment charge in our North America reporting unit related to the court-ordered divestiture of Towanda. Refer to Note 6 – *Goodwill* to our consolidated financial statements included in this Form 10-K for more information.

Restructuring and Asset-Related Charges – Restructuring and asset-related charges increased \$32.4 million, or 90.5% to \$68.1 million in the year ended December 31, 2024, from \$35.7 million in the year ended December 31, 2023. The increase in restructuring charges was primarily due to an increase in charges incurred to close certain manufacturing facilities in our North America and Europe segments and to transform the operating structure of our Europe segment. Refer to Note 19 - *Restructuring and Asset-Related Charges* of our consolidated financial statements included in this Form 10-K for more information.

Interest Expense, Net – Interest expense, net, decreased \$5.0 million, or 6.9%, to \$67.2 million in the year ended December 31, 2024, from \$72.3 million in the year ended December 31, 2023. The decrease was primarily due to lower long-term debt balances resulting from the redemption of our Senior Secured Notes and partial redemption of our 4.63% Senior Notes in the third quarter of 2023, and an increase in interest income from invested cash balances, partially offset by a decrease in interest income from interest rate derivatives and a higher interest rate on our Senior Notes maturing in 2032 issued during the third quarter of 2024. Refer to Note 21 - *Interest Expense, Net* of our consolidated financial statements included in this Form 10-K for more information.

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Loss on Extinguishment and Refinancing of Debt – The \$1.9 million loss on extinguishment and refinancing of debt during the year ended December 31, 2024, is related to the amendment of our Term Loan Facility as well as the redemption of the remaining \$200.0 million of our 4.63% Senior Notes. The loss on extinguishment and refinancing of debt of \$6.5 million in the year ended December 31, 2023, is related to the redemption of our Senior Secured Notes and partial redemption of our 4.63% Senior Notes. Refer to Note 12 - *Long-Term Debt* of our consolidated financial statements included in this Form 10-K for more information.

Other Income, Net – Other income, net decreased \$0.9 million, or 3.7%, to \$24.8 million in the year ended December 31, 2024, from \$25.7 million in the year ended December 31, 2023. Other income, net in the year ended December 31, 2024, consisted primarily of cash received on investment in real estate of \$7.9 million, income from the refund of deposits of China antidumping and countervailing duties of \$7.2 million, recovery of the JW Australia transition services costs incurred of \$6.6 million, insurance reimbursements of \$1.7 million, and recovery of cost from receipts on impaired notes of \$1.4 million, partially offset by pension expense of \$2.0 million. Other income, net in the year ended December 31, 2023, consisted primarily of recovery of the JW Australia transition services costs incurred of \$8.3 million, income from the refund of deposits from antidumping duties of \$7.0 million, an ERC from the U.S. government of \$6.1 million, recovery of cost from interest received on impaired notes of \$3.5 million, and income from short-term investments and forward contracts related to the JW Australia divestiture of \$3.1 million, partially offset by pension expense of \$6.5 million and a \$4.3 million settlement loss associated with our U.S. defined benefit pension plan. Refer to Note 22 - *Other Income, Net* of our consolidated financial statements included in this Form 10-K for more information.

Income Taxes – Income tax expense was \$16.8 million in the year ended December 31, 2024, compared to \$63.3 million in the year ended December 31, 2023. The effective tax rate in the year ended December 31, 2024, was (9.8)%. The effective tax rate for the year ended December 31, 2024, was driven primarily by the \$24.6 million increase to valuation allowances on foreign and state NOL and credit carryforwards, \$7.1 million of tax expense attributed to nondeductible expenses, \$20.2 million of tax expense attributable to nondeductible goodwill impairment and \$4.5 million of tax expense attributed to the expiration of U.S. attributes, partially offset by \$2.7 million of tax benefit attributable to research and development credits. The effective tax rate in the year ended December 31, 2023, was 71.5%. The effective tax rate in the year ended December 31, 2023, was primarily driven by the effects of the \$32.7 million net valuation allowance recorded against our foreign and state NOLs as well as \$7.2 million of tax expense attributed to the expiration of our U.S. attributes. Refer to Note 15 - *Income Taxes* to our consolidated financial statements included in this Form 10-K for more information.

(Loss) Gain on Sale of Discontinued Operations – The \$1.4 million loss and \$15.7 million gain on sale of discontinued operations in the years ended December 31, 2024 and 2023, respectively, are related to the July 2, 2023, sale of JW Australia. The \$1.4 million loss incurred in the year ended December 31, 2024, is related to settlement of an outstanding tax liability for JW Australia. Refer to Note 2 - *Discontinued Operations* of our consolidated financial statements included in this Form 10-K for more information.

Comparison of the Year Ended December 31, 2023 to the Year Ended December 31, 2022

Year Ended										
		December 31, 2023			December 31, 2022					
		Year Ended December 31,								
		2023			2022					
(amounts in thousands)	(amounts in thousands)	% of Net Revenues			% of Net Revenues			(amounts in thousands)		
Net revenues	Net revenues	\$4,304,334	100.0	%	\$4,543,808	100.0	%	Net revenues	\$4,304,334	100.0 %
Cost of sales	Cost of sales	3,471,713	80.7	%	3,757,888	82.7	%	Cost of sales	3,471,713	80.7 %
Gross margin	Gross margin	832,621	19.3	%	785,920	17.3	%	Gross margin	832,621	19.3 %
Selling, general and administrative	Selling, general and administrative	655,280	15.2	%	654,077	14.4	%	Selling, general and administrative	655,280	15.2 %
Goodwill impairment	Goodwill impairment	—	—	%	54,885	1.2	%	Goodwill impairment	—	— %
Restructuring and asset related charges		35,741	0.8	%	17,622	0.4	%			
Restructuring and asset-related charges		35,741	0.8	%	17,622	0.4	%			
Operating income	Operating income	141,600	3.3	%	59,336	1.3	%	Operating income	141,600	3.3 %

Interest expense, net	Interest expense, net	72,258	1.7	1.7	%	82,505	1.8	1.8	%	Interest expense, net	72,258	1.7	1.7	%
Loss on extinguishment of debt	Loss on extinguishment of debt	6,487	0.2	0.2	%	—	—	—	%	Loss on extinguishment of debt	6,487	0.2	0.2	%
Other income, net	Other income, net	(25,719)	(0.6)	(0.6)	%	(53,433)	(1.2)	(1.2)	%	Other income, net	(25,719)	(0.6)	(0.6)	%
Income from continuing operations before taxes	Income from continuing operations before taxes	88,574	2.1	2.1	%	30,264	0.7	0.7	%	Income from continuing operations before taxes	88,574	2.1	2.1	%
Income tax expense	Income tax expense	63,339	1.5	1.5	%	18,041	0.4	0.4	%	Income tax expense	63,339	1.5	1.5	%
Income from continuing operations, net of tax	Income from continuing operations, net of tax	25,235	0.6	0.6	%	12,223	0.3	0.3	%	Income from continuing operations, net of tax	25,235	0.6	0.6	%
Gain on sale of discontinued operations, net of tax	Gain on sale of discontinued operations, net of tax	15,699	0.4	0.4	%	—	—	—	%	Gain on sale of discontinued operations, net of tax	15,699	0.4	0.4	%
Income from discontinued operations, net of tax	Income from discontinued operations, net of tax	21,511	0.5	0.5	%	33,504	0.7	0.7	%	Income from discontinued operations, net of tax	21,511	0.5	0.5	%
Net income	Net income	\$ 62,445	1.5	1.5	%	\$ 45,727	1.0	1.0	%	Net income	\$ 62,445	1.5	1.5	%

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Consolidated Results

Net Revenues – Net revenues decreased \$239.5 million, or 5.3%, to \$4,304.3 million in the year ended December 31, 2023, from \$4,543.8 million in the year ended December 31, 2022. The decrease was driven by a decrease in Core Revenues of 5% and a nominal impact from foreign exchange. Core Revenues decreased 5% due to a 10% decrease in volume/mix, partially offset by a 5% benefit from price realization.

Gross Margin – Gross margin increased \$46.7 million, or 5.9%, to \$832.6 million in the year ended December 31, 2023, from \$785.9 million in the year ended December 31, 2022. Gross margin as a percentage of net revenues was 19.3% in the year ended December 31, 2023, and 17.3% in the year ended December 31, 2022. The increase in gross margin percentage was due primarily to favorable price/cost, partially offset by accelerated depreciation in North America from reviews of equipment capacity optimization.

SG&A Expense – SG&A expense increased \$1.2 million, or 0.2%, to \$655.3 million in the year ended December 31, 2023, from \$654.1 million in the year ended December 31, 2022. SG&A expense as a percentage of net revenues increased to 15.2% in the year ended December 31, 2023, from 14.4% in the year ended December 31, 2022. The increase in SG&A expense was primarily due to increased performance-based variable compensation expenses and accelerated amortization of an ERP system that we intend to not utilize upon completion of the JW Australia Transition Services Agreement period, partially offset by decreased labor expenses driven by a reduction in headcount and lower bad debt expense in our North America segment due to improved collections.

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Goodwill Impairment – Goodwill impairment charges of \$54.9 million in the year ended December 31, 2022, relate to goodwill impairment charges in our Europe reporting unit. For further information, refer Refer to Note 6 Goodwill of our consolidated financial statements included in this Form 10-K for more information.

Restructuring and Asset Related Charges – Restructuring and asset related charges of \$35.7 million in the year ended December 31, 2023, increased 102.8% from \$17.6 million in the year ended December 31, 2022. The increase in restructuring charges was primarily due to an increase in charges incurred to close certain manufacturing

facilities in our North America segment. For more information, refer Refer to Note 19 - *Restructuring and Asset Related Asset-Related Charges* to our consolidated financial statements included in this Form 10-K. 10-K for more information.

Interest Expense, Net – Interest expense, net, decreased \$10.2 million, or 12.4%, to \$72.3 million in the year ended December 31, 2023, from \$82.5 million in the year ended December 31, 2022. The decrease was primarily due to higher interest income from interest rate derivatives, the redemption of our Senior Secured Notes and partial redemption of our Senior Notes, and decreased borrowings on our Revolving Credit Facilities during the year ended December 31, 2023, partially offset by an increase to the cost of borrowing on our variable rate Term Loan Facility. Refer to Note 21 - *Interest Expense, Net* of our consolidated financial statements included in this Form 10-K for more information.

Loss on Extinguishment of Debt – The \$6.5 million loss on extinguishment of debt is related to the redemption of our Senior Secured Notes and partial redemption of our Senior Notes during the year ended December 31, 2023. Refer to Note 12 - *Long-Term Debt* Long-Term Debt of our consolidated financial statements included in this Form 10-K. 10-K for more information.

Other Income, Net – Other income, net decreased \$27.7 million, or 51.9%, to \$25.7 million in the year ended December 31, 2023, from \$53.4 million in the year ended December 31, 2022. Other income, net in the year ended December 31, 2023, primarily consisted of recovery of the JW Australia transition services costs incurred of \$8.3 million, income from the refund of deposits from antidumping duties of \$7.0 million, an ERC from the U.S. government of \$6.1 million, recovery of cost from interest received on impaired notes of \$3.5 million, and income from short-term investments and forward contracts related to the JW Australia divestiture of \$3.1 million, partially offset by pension expense of \$6.5 million and a \$4.3 million settlement loss associated with our U.S. defined benefit pension plan. Other income, net in the year ended December 31, 2022, primarily consisted of the recovery of cost from interest received on impaired notes of \$14.0 million, legal settlement income of \$10.5 million, reimbursements from governmental assistance and insurance of \$8.0 million, pension income of \$4.9 million, credit for overpayments of utility expenses of \$2.0 million, and foreign currency gains of \$1.0 million. Refer to Note 22 - *Other Income, Net* of our consolidated financial statements included in this Form 10-K for more information.

Income Taxes – Income tax expense was \$63.3 million and \$18.0 million in the years ended December 31, 2023, and December 31, 2022, respectively. The effective tax rate in the year ended December 31, 2023, was 71.5% compared to 59.6% in the year ended December 31, 2022. The effective tax rate increased primarily due to the impacts of the \$32.7 million net valuation allowance recorded in the year ended December 31, 2023, partially offset by the \$54.9 million non-deductible goodwill impairment charge recorded for the year ended December 31, 2022, not recorded in the year ended December 31, 2023. For more information, refer Refer to Note 15- *Income Taxes* of our consolidated financial statements included in this Form 10-K. 10-K for more information.

Gain on Sale of Discontinued Operations, net of tax – The \$15.7 million gain on sale of discontinued operations, net of tax is related to the July 2, 2023, sale of JW Australia. Refer to Note 2 - *Discontinued Operations* of our consolidated financial statements included in this Form 10-K. 10-K for more information.

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Comparison of the Year Ended December 31, 2022 to the Year Ended December 31, 2021

(dollars in thousands)	December 31, 2022		December 31, 2021	
		% of Net Revenues		% of Net Revenues
Net revenues	\$ 4,543,808	100.0 %	\$ 4,181,690	100.0 %
Cost of sales	3,757,888	82.7 %	3,358,773	80.3 %
Gross margin	785,920	17.3 %	822,917	19.7 %
Selling, general and administrative	654,077	14.4 %	604,514	14.5 %
Goodwill impairment	54,885	1.2 %	—	— %
Restructuring and asset related charges	17,622	0.4 %	2,556	0.1 %
Operating income	59,336	1.3 %	215,847	5.2 %
Interest expense, net	82,505	1.8 %	76,788	1.8 %
Other income, net	(53,433)	(1.2)%	(13,241)	(0.3)%
Loss on extinguishment of debt	—	— %	1,342	— %
Income before taxes	30,264	0.7 %	150,958	3.6 %
Income tax expense	18,041	0.4 %	19,636	0.5 %
Income from continuing operations, net of tax	12,223	0.3 %	131,322	3.1 %
Income from discontinued operations, net of tax	33,504	0.7 %	37,500	0.9 %
Net income	\$ 45,727	1.0 %	\$ 168,822	4.0 %

Consolidated Results

Net Revenues – Net revenues increased \$362.1 million, or 8.7%, to \$4,543.8 million in the year ended December 31, 2022 from \$4,181.7 million in the year ended December 31, 2021. The increase was due to an improvement in Core Revenues of 12%, partially offset by a 4% adverse impact from foreign exchange. Core Revenues increased

due to a 13% benefit from price realization and unfavorable volume/mix of 1%.

Gross Margin – Gross margin decreased \$37.0 million, or 4.5%, to \$785.9 million in the year ended December 31, 2022 from \$822.9 million in the year ended December 31, 2021. Gross margin as a percentage of net revenues was 17.3% in the year ended December 31, 2022 and 19.7% in the year ended December 31, 2021. The decrease in gross margin percentage was due primarily to the timing differences between increased input costs and our pricing actions in our end markets.

SG&A Expense – SG&A expense increased \$49.6 million, or 8.2%, to \$654.1 million in the year ended December 31, 2022 from \$604.5 million in the year ended December 31, 2021. SG&A expense as a percentage of net revenues decreased to 14.4% in the year ended December 31, 2022 from 14.5% in the year ended December 31, 2021. The increase in SG&A expense was primarily due to increased variable compensation expenses, self-insurance costs, and sales and marketing expenses, partially offset by decreased legal and professional fees.

Goodwill Impairment – Goodwill impairment charges of \$54.9 million in the year ended December 31, 2022 relate to goodwill impairment charges for our Europe reporting unit. For further information, refer to Note 5 - *Goodwill* of our consolidated financial statements included in this Form 10-K.

Restructuring and Asset Related Charges – Restructuring and asset related charges increased \$15.1 million, or 589.4%, to \$17.6 million in the year ended December 31, 2022 from \$2.6 million in the year ended December 31, 2021. The increase in restructuring charges is primarily due to strategic transformation initiatives, cost savings, and footprint rationalization activities in our North America and Europe segments as well as changes to the management structure to align with our operations. For more information, refer to Note 19- *Impairment and Asset Related Charges* of our consolidated financial statements included in this Form 10-K.

Interest Expense, Net – Interest expense, net, increased \$5.7 million, or 7.4%, to \$82.5 million in the year ended December 31, 2022 from \$76.8 million in the year ended December 31, 2021. The increase was primarily due to an increase to the cost of borrowing on our Term Loan Facility and increased borrowings on the ABL Facility, partially offset by interest income from interest rate derivatives in the in the year ended December 31, 2022 and higher interest income earned on cash balances.

Other Income, Net – Other income, net increased \$40.2 million, or 303.5%, to \$53.4 million in the year ended December 31, 2022 from \$13.2 million in the year ended December 31, 2021. Other income, net in the year ended December 31, 2022 primarily

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consisted of the recovery of cost from interest received on impaired notes of \$14.0 million, legal settlement income of \$10.5 million, reimbursements from governmental assistance and insurance of \$8.0 million, pension income of \$4.9 million, a credit for overpayments of utility expenses of \$2.0 million, and foreign currency gains of \$1.0 million. Other income, net in the year ended December 31, 2021 primarily consisted of foreign currency gains of \$7.1 million and reimbursements from governmental pandemic assistance relating to COVID-19 and insurance of \$3.2 million.

Loss on Extinguishment of Debt – The \$1.3 million loss on extinguishment of debt is related to an amendment of our Term Loan Facility during the year ended December 31, 2021. Refer to Note 12 - *Long-Term Debt* of our consolidated financial statements included in this Form 10-K.

Income Taxes – Tax expense was \$18.0 million and \$19.6 million in the years ended December 31, 2022 and December 31, 2021, respectively. The effective tax rate in the year ended December 31, 2022 was 59.6% compared to 13.0% in the year ended December 31, 2021. The increase in the effective tax rate in the year ended December 31, 2022 was primarily due to the non-deductible goodwill impairment charge of \$54.9 million. For more information, refer to Note 15 - *Income Taxes* of our consolidated financial statements included in this Form 10-K.

Segment Results

We report our segment information in the same way management internally organizes the business in assessing performance and making decisions regarding allocation of resources in accordance with ASC 280-10 - *Segment Reporting*. We define Adjusted EBITDA from continuing operations as income (loss) from continuing operations, net of tax, adjusted for the following items: income tax expense (benefit); depreciation and amortization; interest expense **net**; (income), net; and certain special items consisting of non-recurring net legal and professional expenses and settlements; goodwill impairment; restructuring and **asset related asset-related charges**; **other facility closure, consolidation, and related costs and adjustments**; M&A related costs; net (gain) loss on sale of business, property, and equipment; loss on extinguishment and **refinancing** of debt; share-based compensation expense; pension settlement charges; non-cash foreign exchange transaction/translation (income) (gain) loss; and other special items. We use Adjusted EBITDA from continuing operations because we believe this measure assists investors and analysts in comparing our operating performance across reporting periods on a consistent basis by excluding items that we do not believe are indicative of our core operating performance. This non-GAAP financial measure should be viewed in addition to, and not as a substitute for, the Company's reported results prepared in accordance with GAAP.

We have two reportable segments, **in our continuing operations**, organized and managed principally **by** **in geographic region: regions**: North America and Europe. We report all other business activities in Corporate and unallocated costs.

Reconciliations of **income (loss) from continuing operations, net income of tax** to Adjusted EBITDA from continuing operations **for our segments' operations** **by segment** are as follows:

(amounts in thousands)	Year Ended December 31, 2024			
			Corporate and Unallocated	Total Consolidated
	North America	Europe	Costs	Total Consolidated

Income (loss) from continuing operations, net of tax	\$ 82,836	\$ (64,331)	\$ (206,085)	\$ (187,580)
Income tax expense (benefit)	18,676	8,066	(9,980)	16,762
Depreciation and amortization ⁽¹⁾	73,528	30,702	21,556	125,786
Interest expense, net	2,648	2,114	62,475	67,237
Special items ⁽²⁾				
Net legal and professional expenses and settlements	2,921	4,740	55,061	62,722
Goodwill impairment	31,356	63,445	—	94,801
Restructuring and asset-related charges	42,817	23,729	1,546	68,092
M&A related costs	—	—	15,296	15,296
Net gain on sale of business, property, and equipment	(13,415)	(153)	(184)	(13,752)
Loss on extinguishment and refinancing of debt	—	—	1,908	1,908
Share-based compensation expense	3,087	1,261	11,117	15,465
Non-cash foreign exchange transaction/translation loss (gain)	315	(3,771)	355	(3,101)
Other special items	9,302	1,911	399	11,612
Adjusted EBITDA from continuing operations	\$ 254,071	\$ 67,713	\$ (46,536)	\$ 275,248

(1) Corporate and unallocated depreciation and amortization expense includes software accelerated amortization of \$14.1 million for an ERP that we are no longer utilizing after we completed our related obligations under the JW Australia Transition Services Agreement during the first quarter of 2024.

(2) Refer to the calculation of Adjusted EBITDA from continuing operations for a discussion of the Special items listed below.

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(amounts in thousands)	Year Ended December 31, 2023			
	North America	Europe	Total Operating Segments	Corporate and Unallocated Costs
	(amounts in thousands)	(amounts in thousands)	(amounts in thousands)	(amounts in thousands)
Income (loss) from continuing operations, net of tax				
Income tax expense (benefit) ⁽¹⁾				
Depreciation and amortization ⁽²⁾				
Interest expense, net				
Special items ⁽³⁾				
Net legal and professional expenses and settlements				
Net legal and professional expenses and settlements				
Net legal and professional expenses and settlements				
Restructuring and asset-related charges				
Restructuring and asset-related charges				
Restructuring and asset-related charges				
Other facility closure, consolidation, and related costs and adjustments				
Other facility closure, consolidation, and related costs and adjustments				
Other facility closure, consolidation, and related costs and adjustments				
M&A related costs				

Net loss (gain) on sale of property and equipment
Loss on extinguishment of debt
Loss on extinguishment and refinancing of debt
Share-based compensation expense
Pension settlement charge
Non-cash foreign exchange transaction/translation (income) loss
Non-cash foreign exchange transaction/translation (gain) loss
Other special items

Adjusted EBITDA from continuing operations

- (1) Income tax expense in our Europe segment includes an increase in valuation allowance against our foreign net operating loss carryforwards of \$30.0 million. Refer to Note 15 - *Income Taxes* of our consolidated financial statements for further information. \$30.0 million.
- (2) Corporate and unallocated costs depreciation and amortization expense in the year ended December 31, 2023, includes accelerated amortization of \$14.1 million for an ERP system that we are no longer utilizing after we completed our related obligations under the JW Australia Transition Services Agreement. North America depreciation and amortization expense in the year ended December 31, 2023, includes accelerated depreciation of \$9.1 million from reviews of equipment capacity optimization. Corporate and unallocated depreciation and amortization expense includes software accelerated amortization of \$14.1 million for an ERP system that we intend to not utilize upon completion of the JW Australia Transition Services Agreement period.
- (3) For Refer to the definitions calculation of Adjusted EBITDA from continuing operations for a discussion of the Special items listed above, refer to Note 14 - below. *Segment Information* of our consolidated financial statements included.

To conform with the current period presentation, certain amounts in this Form 10-K prior period information have been reclassified.

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(amounts in thousands)	Year Ended December 31, 2022				(amounts in thousands)	Year Ended December 31, 2022					
	North America		Europe	Total Operating Segments		Corporate and Unallocated Costs		North America	Europe	Corporate and Unallocated Costs	Total Consolidated
Income (loss) from continuing operations, net of tax											
Income tax expense ⁽¹⁾											
Depreciation and amortization											
Interest expense, net											
Special items ⁽²⁾											
Net legal and professional expenses and settlements											
Net legal and professional expenses and settlements											
Net legal and professional expenses and settlements											
Goodwill impairment											
Restructuring and asset-related charges											

M&A related costs
Net (gain) loss on sale of business, property, and equipment
Other facility closure, consolidation, and related costs and adjustments
Other facility closure, consolidation, and related costs and adjustments
Other facility closure, consolidation, and related costs and adjustments
M&A related costs
Net (gain) loss on sale of property and equipment
Share-based compensation expense
Share-based compensation expense
Non-cash foreign exchange transaction/translation loss
Non-cash foreign exchange transaction/translation loss
Non-cash foreign exchange transaction/translation loss
Other special items
Adjusted EBITDA from continuing operations

(1) Income tax expense in Corporate and unallocated costs in the year ended December 31, 2022, includes the tax impact of U.S. Operations.

(2) For Refer to the definitions calculation of Adjusted EBITDA from continuing operations for a discussion of the Special items listed above, refer below.

Reconciliation of (loss) income from continuing operations, net of tax to Adjusted EBITDA from continuing operations on a consolidated basis is as follows:

(amounts in thousands)	Year Ended December 31,		
	2024	2023	2022
(Loss) income from continuing operations, net of tax	(187,580)	25,235	\$ 12,223
Income tax expense ⁽¹⁾	16,762	63,339	18,041
Depreciation and amortization ⁽²⁾	125,786	134,996	113,132
Interest expense, net	67,237	72,258	82,505
Special items:			
Net legal and professional expenses and settlements ⁽³⁾	62,722	28,184	(287)
Goodwill impairment ⁽⁴⁾	94,801	—	54,885
Restructuring and asset-related charges ⁽⁵⁾⁽⁶⁾	68,092	35,741	17,622
M&A related costs ⁽⁷⁾	15,296	6,575	9,752
Net gain on sale of business, property, and equipment ⁽⁸⁾	(13,752)	(10,523)	(8,036)
Loss on extinguishment and refinancing of debt ⁽⁹⁾	1,908	6,487	—
Share-based compensation expense ⁽¹⁰⁾	15,465	17,477	14,577
Pension settlement charge ⁽¹¹⁾	—	4,349	—
Non-cash foreign exchange transaction/translation (gain) loss ⁽¹²⁾	(3,101)	595	12,437
Other special items ⁽¹³⁾	11,612	(4,274)	21,996
Adjusted EBITDA from continuing operations	\$ 275,248	\$ 380,439	\$ 348,847

(1) Income tax expense in the year ended December 31, 2023, includes an increase in valuation allowance against foreign net operating loss carryforwards of \$30.0 million. Refer to Note 14 15 - Segment Information Income Taxes of our consolidated financial statements included in this Form 10-K 10-K for more information.

(amounts in thousands)	Year Ended December 31, 2021					
	Total Operating Segments			Corporate and Unallocated Costs		Total Consolidated
	North America	Europe				
Income (loss) from continuing operations, net of tax	\$ 255,975	\$ 66,596	\$ 322,571	\$ (191,249)	\$ 131,322	
Income tax expense (benefit) ⁽¹⁾	5,704	16,980	22,684	(3,048)	19,636	
Depreciation and amortization	72,095	32,855	104,950	11,405	116,355	
Interest expense, net	6,080	9,282	15,362	61,426	76,788	
Special items: ⁽²⁾						
Net legal and professional expenses and settlements	1,450	563	2,013	13,585	15,598	
Restructuring and asset-related charges, net	1,200	1,453	2,653	(97)	2,556	
Other facility closure, consolidation, and related costs and adjustments	—	2,326	2,326	—	2,326	
M&A related costs	664	375	1,039	4,167	5,206	
Net loss (gain) on sale of property and equipment	1,589	584	2,173	(87)	2,086	
Loss on extinguishment of debt	—			1,342	1,342	
Share-based compensation expense	5,472	2,096	7,568	12,420	19,988	
Non-cash foreign exchange transaction/translation gain	(51)	(10,108)	(10,159)	(262)	(10,421)	
Other special items	2,703	4,290	6,993	2,999	9,992	
Adjusted EBITDA from continuing operations	\$ 352,881	\$ 127,292	\$ 480,173	\$ (87,399)	\$ 392,774	

(1)(2) Income tax benefit Depreciation and amortization expense includes accelerated amortization of \$14.1 million in the years ended December 31, 2024 and 2023 in Corporate and unallocated costs for an ERP that we are no longer utilizing after we completed our related obligations under the JW Australia Transition Services Agreement during the first quarter of 2024. In addition, depreciation and amortization expense in the year ended December 31, 2023, includes the tax impact accelerated depreciation of U.S. Operations, \$9.1 million in North America from reviews of equipment capacity optimization.

(2)(3) Net legal and professional expenses and settlements include non-recurring transformation journey expenses of \$59.2 million, \$26.1 million, and \$3.8 million in the years ended December 31, 2024, 2023 and 2022, respectively. These expenses primarily relate to the engagement of one transformation consultant for a period spanning from the third quarter of 2023 through the end of 2024, for which we incurred \$40.7 million and \$20.0 million in the years ended December 31, 2024 and 2023, respectively. Additionally, net legal and professional expenses and settlements include amounts relating to litigation of historic legal matters of \$2.8 million and \$1.8 million in the years ended December 31, 2024 and 2023, respectively, and (\$10.5) million of income resulting from a legal settlement, partially offset by \$3.9 million in legal expenses relating primarily to litigation in the year ended December 31, 2022.

(4) Goodwill impairment charges in the year ended December 31, 2024, consist of a \$63.4 million goodwill impairment charge associated with our Europe reporting unit, and a \$31.4 million goodwill impairment charge in our North America segment related to the court-ordered divestiture of Towanda. Goodwill impairment charges in the year ended December 31, 2022, consist of a goodwill impairment charge of \$54.9 million associated with our Europe reporting unit.

(5) Represents severance, accelerated depreciation and amortization, equipment relocation and other expenses directly incurred as a result of restructuring events. The restructuring charges primarily relate to charges incurred to change the operating structure, eliminate certain roles, and close certain manufacturing facilities in our North America and Europe segments.

(6) For the definitions years ended December 31, 2024 and 2023, \$11.8 million and \$1.5 million, respectively, of product and inventory-related charges related to announced facility closures were detrimental to Adjusted EBITDA.

(7) M&A related costs consists primarily of legal and professional expenses related to the court-ordered divestiture of Towanda.

(8) Net gain on sale of business, property, and equipment in the year ended December 31, 2024, primarily relates to the sale of our business in St. Kitts and properties in Chile, Mexico, and Klamath Falls, Oregon. Net gain on sale of business, property and equipment in the year ended December 31, 2023, primarily relates to the sale of properties in the United Kingdom, Australia, and Klamath Falls, Oregon. Net gain on sale of business, property and equipment in the year ended December 31, 2022, primarily relates to the sale of property in Phoenix, Arizona.

(9) Loss on extinguishment and refinancing of debt of \$1.9 million in the year ended December 31, 2024, associated with an amendment of our Term Loan Facility and redemption of the Special items listed above, refer remaining \$200.0 million of our 4.63% Senior Notes. Loss on extinguishment and refinancing of debt of \$6.5 million in the year ended December 31, 2023, is related to the redemption of \$250.0 million of our 6.25% Senior Secured Notes and \$200.0 million of our 4.63% Senior Notes.

(10) Represents non-cash equity-based compensation expense related to the issuance of share-based awards.

(11) Represents a settlement loss associated with our U.S. defined benefit pension plan resulting from a one-time lump sum payment offered to pension plan participants. Refer to Note **14 26 - Segment Information** *Employee Retirement and Pension Benefits* of our consolidated financial statements included in this Form **10-K** for more information.

47(12) Non-cash foreign exchange transaction/translation gain primarily associated with fair value adjustments of foreign currency derivatives and revaluation of balances denominated in foreign currencies.

Back(13) Other special items not core to top ongoing business activity include: (i) in the year ended December 31, 2024, a loss of \$4.8 million of cumulative foreign currency translation adjustments related to the substantial liquidation of a foreign subsidiary in Chile and Mexico in our North America segment; (ii) in the year ended December 31, 2023, (\$3.1) million in income from short-term investments and forward contracts related to the JW Australia divestiture in Corporate and unallocated costs, (\$2.8) million in adjustments to compensation and non-income taxes associated with exercises of legacy equity awards in our Europe segment, and \$2.2 million in costs that do not meet the U.S. GAAP definition of restructuring, primarily related to the closure of certain facility in our Europe segment; (iii) in the year ended December 31, 2022, \$3.3 million relating primarily to exit costs for executives in Corporate and unallocated costs, (\$2.0) million relating to a credit received for overpayment of utility expenses in our North America segment, and \$2.6 million and \$16.3 million in our North America and Europe segments, respectively, in costs that do not meet the U.S. GAAP definition of restructuring, primarily related to the closure of certain facilities.

To conform with the current period presentation, certain amounts in prior period information have been reclassified.

Comparison of the Year Ended December 31, 2023 December 31, 2024 to the Year Ended December 31, 2022 December 31, 2023





(1) Adjusted EBITDA from continuing operations is a financial measure that is not calculated in accordance with GAAP. For a discussion of our presentation Refer to the calculation of Adjusted EBITDA from continuing operations see Note 14 - for a discussion of the Special items listed above.

North America

Net revenues in North America decreased \$414.7 million, or 13.3%, to \$2,708.4 million in the year ended December 31, 2024, from \$3,123.1 million in the year ended December 31, 2023. The decrease was primarily due to a decrease in Core Revenues of 13%. Core Revenues decreased due to an 13% unfavorable volume/mix driven by weaker market demand and a shift in demand to lower priced products.

Adjusted EBITDA from continuing operations in North America decreased \$128.1 million, or 33.5%, to \$254.1 million in the year ended December 31, 2024, from \$382.2 million in the year ended December 31, 2023. The decrease was primarily due to unfavorable volume mix and price/cost, partially offset by improved productivity.

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Europe

Net revenues in Europe decreased \$114.1 million, or 9.7%, to \$1,067.2 million in the year ended December 31, 2024, from \$1,181.3 million in the year ended December 31, 2023. The decrease was primarily due to a decrease in Core Revenues of 10%. Core Revenues decreased due to unfavorable volume/mix of 11% primarily due to market softness across the region, partially offset by a 1% benefit from price realization.

Adjusted EBITDA from continuing operations in Europe decreased \$13.7 million, or 16.9%, to \$67.7 million in the year ended December 31, 2024, from \$81.5 million in the year ended December 31, 2023. The decrease was primarily due to unfavorable volume/mix and price/cost, partially offset by favorable productivity.

Corporate and unallocated costs

Corporate and unallocated costs decreased by \$36.7 million, or 44.1%, to \$46.5 million in the year ended December 31, 2024, from \$83.2 million in the year ended December 31, 2023. The decrease in cost was primarily due to a decrease in performance-based variable compensation expense, lower insurance expense due to favorable claims experience, an increase in cash received on investment in real estate, reduction in non-transformational professional fees and corporate function expense savings in the current year, partially offset by an increase in cloud and software application costs.

Comparison of the Year Ended December 31, 2023 to the Year Ended December 31, 2022

(amounts in thousands)	Year Ended December 31,		
	2023	2022	% Variance
Net revenues from external customers			
North America	\$ 3,123,056	\$ 3,259,353	(4.2)%
Europe	1,181,278	1,284,455	(8.0)%
Total Consolidated	<u><u>\$ 4,304,334</u></u>	<u><u>\$ 4,543,808</u></u>	<u><u>(5.3)%</u></u>
Percentage of total consolidated net revenues			
North America	72.6 %	71.7 %	
Europe	27.4 %	28.3 %	
Total Consolidated	<u><u>100.0 %</u></u>	<u><u>100.0 %</u></u>	
Adjusted EBITDA from continuing operations⁽¹⁾			
North America	\$ 382,189	\$ 352,885	8.3 %
Europe	81,455	74,325	9.6 %
Corporate and unallocated costs	(83,205)	(78,363)	6.2 %
Total Consolidated	<u><u>\$ 380,439</u></u>	<u><u>\$ 348,847</u></u>	<u><u>9.1 %</u></u>
Adjusted EBITDA from continuing operations as a percentage of segment net revenues			
North America	12.2 %	10.8 %	
Europe	6.9 %	5.8 %	
Total Consolidated	<u><u>8.8 %</u></u>	<u><u>7.7 %</u></u>	

(1) Segment Information Adjusted EBITDA from continuing operations is a financial measure that is not calculated in accordance with GAAP. Refer to the calculation of our financial statements included in this Form 10-K. Adjusted EBITDA from continuing operations for a discussion of the Special items listed above.

North America

Net revenues in North America decreased \$136.3 million, or 4.2%, to \$3,123.1 million in the year ended December 31, 2023, from \$3,259.4 million in the year ended December 31, 2022. The decrease was primarily due to a decrease in Core Revenues of 4.0%. Core Revenues decreased due to an 8% unfavorable volume/mix driven by weakened market demand, partially offset by a 4% benefit from price realization.

Adjusted EBITDA from continuing operations in North America increased \$29.3 million to \$382.2 million, or 8.3%, in the year ended December 31, 2023, from \$352.9 million in the year ended December 31, 2022. The increase was primarily due to favorable price/cost and positive productivity, partially offset by unfavorable volume/mix and higher SG&A. The increase in SG&A was primarily driven by increased performance-based variable compensation and the impact of inflation on labor expenses, partially offset by a reduction in bad debt expense due to improved collections. Additionally, a decrease in other income, net, was primarily driven by net pension expense in the current period compared to gains in the same period last year, partially offset by income recognized for a refund of deposits for antidumping duties and an ERC during the year ended December 31, 2023.

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Europe

Net revenues in Europe decreased \$103.2 million, or 8.0%, to \$1,181.3 million in the year ended December 31, 2023, from \$1,284.5 million in the year ended December 31, 2022. The decrease was primarily due to a decrease in Core Revenues of 9%. Core Revenues decreased due to unfavorable volume/mix of 15% primarily due to market softness across the region, partially offset by a 7% benefit from price realization.

Adjusted EBITDA from continuing operations in Europe increased \$7.1 million, or 9.6%, to \$81.5 million in the year ended December 31, 2023, from \$74.3 million in the year ended December 31, 2022. The increase was primarily due to favorable productivity and positive price/cost, partially offset by unfavorable volume/mix.

Corporate and unallocated costs

Corporate and unallocated costs increased by \$4.8 million, or 6.2%, to \$83.2 million in the year ended December 31, 2023, from \$78.4 million in the year ended December 31, 2022. The increase in cost is primarily due to losses on foreign exchange transactions in the current period compared to gains in the same period last year, and a reduction in the recovery of cost from interest received on impaired notes, partially offset by lower labor costs due to reduced headcount.

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Comparison of the Year Ended December 31, 2022 to the Year Ended December 31, 2021

(dollars in thousands)	Year Ended		% Variance
	December 31, 2022	December 31, 2021	
Net revenues from external customers			
North America	\$ 3,259,353	\$ 2,829,240	15.2 %
Europe	1,284,455	1,352,450	(5.0) %
Total Consolidated	<u><u>\$ 4,543,808</u></u>	<u><u>\$ 4,181,690</u></u>	8.7 %
Percentage of total consolidated net revenues			
North America	71.7 %	67.7 %	
Europe	28.3 %	32.3 %	
Total Consolidated	<u><u>100.0 %</u></u>	<u><u>100.0 %</u></u>	
Adjusted EBITDA from continuing operations ⁽¹⁾			
North America	\$ 352,885	\$ 352,881	— %
Europe	74,325	127,292	(41.6) %
Corporate and Unallocated costs	(78,363)	(87,399)	(10.3) %
Total Consolidated	<u><u>\$ 348,847</u></u>	<u><u>\$ 392,774</u></u>	(11.2) %
Adjusted EBITDA from continuing operations as a percentage of segment net revenues			
North America	10.8 %	12.5 %	
Europe	5.8 %	9.4 %	
Total Consolidated	<u><u>7.7 %</u></u>	<u><u>9.4 %</u></u>	

⁽¹⁾ Adjusted EBITDA from continuing operations is a financial measure that is not calculated in accordance with GAAP. For a discussion of our presentation of Adjusted EBITDA from continuing operations, see Note 14 - Segment Information to our financial statements included in this Form 10-K.

North America

Net revenues in North America increased \$430.1 million, or 15.2%, to \$3,259.4 million in the year ended December 31, 2022 from \$2,829.2 million in the year ended December 31, 2021. The increase was primarily due to an increase in Core Revenues of 15%. Core Revenues increased due to a 14% benefit from price realization mostly related to significant cost inflation, and positive volume/mix of 1%.

Adjusted EBITDA in North America remained relatively consistent at \$352.9 million in the year ended December 31, 2022 from \$352.9 million in the year ended December 31, 2021. While Adjusted EBITDA increased slightly primarily driven by improved volume/mix and productivity, the increase was offset by higher SG&A expenses.

Europe

Net revenues in Europe decreased \$68.0 million, or 5.0%, to \$1,284.5 million in the year ended December 31, 2022 from \$1,352.5 million in the year ended December 31, 2021. The decrease was primarily due to a 12% adverse impact from foreign exchange, partially offset by an increase in Core Revenues of 7%. Core Revenues increased due to a 11% benefit from price realization mostly related to significant cost inflation, partially offset by lower volume/mix of 4%.

Adjusted EBITDA in Europe decreased \$53.0 million, or 41.6%, to \$74.3 million in the year ended December 31, 2022 from \$127.3 million in the year ended December 31, 2021. The decrease was primarily due to lower volume/mix, higher SG&A expenses, and negative price/cost, partially offset by improved productivity.

Corporate and unallocated costs

Corporate and unallocated costs decreased in the year ended December 31, 2022 by \$9.0 million, or 10.3%, compared to the year ended December 31, 2021 primarily due to the recovery of cost from interest received on impaired notes, a gain on foreign exchange transactions, reduced legal and professional fees, and insurance recoveries, partially offset by increased variable compensation and self-insurance costs in the current periods.

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Liquidity and Capital Resources

Overview

We have historically funded our operations through a combination of cash from operations, draws on our revolving credit facilities, and the issuance of non-revolving debt such as our Term Loan Facility and our Senior Notes. We place a strong emphasis on cash flow generation, which includes an operating discipline focused on working capital management. Working capital fluctuates throughout the year and is impacted by inflation, the seasonality of our sales, customer payment patterns, supply availability, and the translation of the balance sheets of our foreign operations into the U.S. dollar. Typically, working capital increases at the end of the first quarter and beginning of the second quarter in conjunction with, and in preparation for, the peak season for home construction and remodeling in our North America and Europe segments, and decreases starting in the fourth quarter as inventory levels and accounts receivable decline. Inventories fluctuate for raw materials that have long delivery lead times, as we work through prior shipments and take delivery of new orders.

As of December 31, 2023 December 31, 2024, we had total liquidity (a non-GAAP measure) of \$750.6 million \$566.7 million, consisting of \$288.3 million \$150.3 million in unrestricted cash, \$462.3 million \$416.4 million available for borrowing under the ABL Facility, compared to total liquidity of \$575.2 million \$750.6 million as of December 31, 2022 (on a continuing operations basis and excluding JW Australia) December 31, 2023. The increase decrease in total liquidity was primarily due to both higher lower cash balances and lower borrowings on our ABL Facility at December 31, 2023 December 31, 2024, compared to December 31, 2022 December 31, 2023.

As of December 31, 2023 December 31, 2024, our cash balances, including \$0.8 million \$0.7 million of restricted cash, consisted of \$72.9 million \$48.6 million in cash located in the U.S. and \$216.3 million \$102.4 million in non-U.S. subsidiaries. The company repatriated \$21.8 million and \$132.8 million from non-U.S. subsidiaries during the year ended December 31, 2023 and December 31, 2022, respectively. The Company utilized cash repatriated from non-U.S. subsidiaries to repay a portion located outside of the outstanding ABL Facility during the year ended December 31, 2022. U.S. held by our non-U.S. subsidiaries.

Based on our current and forecasted level of operations and seasonality of our business, we believe that cash provided by operations and other sources of liquidity, including cash, cash equivalents, and availability under our revolving credit facilities, will provide adequate liquidity for ongoing operations, planned capital expenditures and other investments, and debt service requirements for at least the next twelve months.

We may, from time to time, refinance, reprice, extend, retire, or otherwise modify our outstanding debt to lower our interest payments, reduce our debt, or otherwise improve our financial position. These actions may include repricing amendments, extensions, and/or opportunistic refinancing of debt. The amount of debt that may be refinanced, repriced, extended, retired, or otherwise modified, if any, will depend on market conditions, trading levels of our debt, our cash position, compliance with debt covenants, and other considerations.

We may, from time to time, seek to retire or purchase our outstanding debt through cash purchases and/or exchanges for equity or debt, in open market purchases, privately negotiated transactions or otherwise. Such repurchases or exchanges, if there are any, will be on such terms and at such prices as we may determine, and will depend on prevailing market conditions, our liquidity requirements, contractual restrictions and other factors. The amounts involved may be material.

Based on hypothetical variable rate debt that would have resulted from drawing each revolving credit facility up to the full commitment amount, a 100 basis 100-basis point decrease in interest rates would have reduced our interest expense by \$10.8 million \$8.3 million in the year ended December 31, 2023 December 31, 2024. A 100 basis 100-basis point increase in interest rates would have increased our interest expense by \$10.8 million \$8.4 million in the same period. In certain instances, the impact of a hypothetical decrease would have been partially mitigated by interest rate floors that apply to certain of our debt agreements.

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Contractual Obligations

In addition to our discussion and analysis surrounding our liquidity and capital resources, we have significant contractual obligations and commitments as of December 31, 2023 December 31, 2024, relating to the following:

- Long-term debt and interest obligations – As of December 31, 2023 December 31, 2024, our outstanding debt balance was \$1,232.8 million \$1,192.0 million. See Refer to Note 12-12 - Long-Term Debt to our consolidated financial statements included in this Form 10-K for additional details more information regarding the timing of expected future principal payments. Interest on long-term debt is calculated based on debt outstanding and interest rates in effect on December 31, 2023 December 31, 2024, taking into account scheduled maturities and amortization payments. As of December 31, 2023 December 31, 2024, we estimate interest payments of \$72.9 million \$72.9 million due in 2024 2025 and \$179.6 million \$280.4 million due in 2025 2026 and thereafter.
- Finance and operating lease obligations – As of December 31, 2023 December 31, 2024, our remaining contractual commitments for finance and operating leases was \$192.7 million. See \$176.6 million. Refer to Note 8 - Leases of to our consolidated financial statements included in this Form 10-K for additional details regarding the timing of expected future payments.
- Purchase obligations – As of December 31, 2023 December 31, 2024, we have purchase obligations of \$26.7 \$73.2 million due in 2024 2025 and \$28.1 \$42.2 million due in 2025 2026 and thereafter. These purchase obligations are primarily relating to software hosting services and equipment purchase agreements. Purchase obligations are defined as purchase agreements that are enforceable and legally binding and that specify all significant terms, including quantity, price, and the approximate timing of the transaction.

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Borrowings and Refinancings

In July 2021, we refinanced our existing Term Loan Facility and ABL Facility by issuing replacement loans that aggregated to \$550.0 million in principal amount under the Term Loan Facility and added \$100.0 million in potential additional revolving loan capacity to our ABL Facility.

In June 2023, we amended the Term Loan Facility to replace LIBOR with a Term SOFR based rate as the successor benchmark rate and made certain other technical amendments and related conforming changes. All other material terms and conditions were unchanged.

On August 3, 2023, In August 2023, we redeemed all \$250.0 million of our 6.25% Senior Secured Notes and \$200.0 million of our 4.63% Senior Notes. The Company recognized a pre-tax loss of \$6.5 million on the redemption in year ended December 31, 2023, consisting of \$3.9 million in call premium and \$2.6 million in accelerated amortization of debt issuance costs.

In January 2024, we amended the Term Loan Facility to lower the applicable margin for replacement term loans, remove certain provisions no longer relevant to the parties, and make certain other technical amendments related to and related conforming changes. Pursuant to the amendment, replacement term loans bear interest at SOFR plus a margin of 1.75% to 2.00% depending on JWI's corporate credit ratings, compared to a margin of 2.00% to 2.25% under the previous amendment. All other material terms and conditions of the Term Loan Agreement were unchanged.

In August 2024, we issued \$350.0 million of Senior Notes, bearing interest at 7.00%, the proceeds of which were utilized to repay \$150.0 million of the outstanding balance of our Term Loan Facility and redeemed the remaining \$200.0 million of our 4.63% Senior Notes in September 2024. The Company recognized a pre-tax loss of \$0.5 million on the redemption resulting from accelerated amortization of debt issuance costs.

In December 2007, we entered into thirty-year mortgage notes secured by land and buildings in Denmark with principal payments which began in 2018. In October 2024, we repaid the entire remaining principal balance of the mortgage notes of DKK 142.5 million (\$20.7 million).

As of December 31, 2023 December 31, 2024, we were in compliance with the terms of all of our Credit Facilities and the indentures governing the Senior Notes.

Our results have been and will continue to be impacted by substantial changes in our net interest expense throughout the periods presented and into the future. See Refer to Note 12 - Long-Term Debt of to our consolidated financial statements included in this Form 10-K for additional details, more information.

Cash Flows⁽¹⁾

The following table summarizes the changes to our cash flows for the periods presented:

(amounts in thousands)	Year Ended			Year Ended December 31,			
	December 31, 2023	December 31, 2022	December 31, 2021	(amounts in thousands)	2024	2023	2022
Cash provided by (used in):							
Operating activities							
Operating activities							
Operating activities							
Investing activities							
Financing activities							
Effect of changes in exchange rates on cash and cash equivalents							
Net change in cash and cash equivalents							

(1) Cash flow information for the year ended December 31, 2023 and 2022 is inclusive of cash flows from JW Australia as discontinued operations through the divestiture date of July 2, 2023.

Cash Flow from Operations

Net cash provided by operating activities decreased \$239.0 million to \$106.2 million in the year ended December 31, 2024, compared to \$345.2 million in the year ended December 31, 2023. The decreased operating cash flow was primarily due to unfavorable change in earnings of \$251.5 million and an unfavorable impact from accrued expenses of \$39.1 million, due primarily to higher payments of annual variable compensation for 2023 performance, partially offset by a \$9.4 million improvement in net cash provided by our working capital accounts. The impact of accounts receivable, net of \$91.4 million was favorable in the year ended December 31, 2024, compared to the year ended December 31, 2023, which was primarily due to decreased sales and slightly improved collections. The \$28.1 million favorable impact from accounts payable is primarily due to improved payment terms with suppliers. The \$110.1 million unfavorable impact of inventory is primarily due to the prior year benefit from intentional, one-time reductions not being repeated in the current year, as the current year began with a more normalized inventory level as compared to the prior year. Further, the unfavorable impact of inventory was also driven by investments in inventory levels to aid in delivering improved service levels and lead times to our customers.

Net cash provided by operating activities increased \$314.9 million to a \$345.2 million source of cash in the year ended December 31, 2023, compared to a \$30.3 million source of cash in the year ended December 31, 2022. The increase in cash provided by operating activities was primarily due to a \$342.5 million improvement in net cash provided by our working capital accounts. Cash flow provided by inventory was \$193.1 million favorable compared to the year ended December 31, 2022, primarily driven by demand planning that drove lower inventory days on hand, which mitigated inflation on raw materials. Cash flow provided by Accounts receivable, net of \$90.6 million was favorable in the year ended December 31, 2023, compared to the year ended December 31, 2022, which was primarily due to decreased sales, partially offset by slightly deteriorated days sales outstanding. Cash flow provided by Accounts payable was \$58.8 million favorable compared to the year ended December 31, 2022, which was primarily due to lower raw material inflation on purchases in the current year as compared to prior year, partially offset by demand planning that drove moderated purchasing.

Cash Flow from Investing Activities

Net cash provided by operating used in investing activities decreased \$145.3 million to a \$30.3 million source of cash was \$153.3 million in the year ended December 31, 2022 December 31, 2024, compared to a \$175.7 million source cash provided by investing activities of cash \$279.2 million in the year ended December 31, 2021. The decrease in cash provided December 31, 2023, primarily driven by operating activities was primarily due \$365.6 million proceeds (payments) related to increased working capital and decreased

earnings in the sale of JW Australia during the year ended December 31, 2022 December 31, 2023, partially offset by non-recurrence and an increase in capital expenditures of legal settlements paid in 2021.

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Cash Flow from Investing Activities \$62.8 million.

Net cash provided by (used in) investing activities improved to a \$279.2 million source of cash in the year ended December 31, 2023, compared to a \$67.0 million use of cash in the year ended December 31, 2022, primarily driven by \$365.6 million in net proceeds (payments) related to the sale of JW Australia, partially offset by an increase in capital expenditures of \$18.7 million and a decrease in cash received from the recovery of cost from interest received on impaired notes of \$10.4 million.

Net cash used in investing activities decreased \$25.3 million to a \$67.0 million use of cash in the year ended December 31, 2022 compared to a \$92.4 million use of cash in the year ended December 31, 2021 primarily due to cash received from the recovery of cost from interest received on impaired notes of \$14.0 million, an increase in cash received from the sale of property and equipment, and a reduction in capital expenditures.

Cash Flow from Financing Activities

Net cash used in financing activities decreased \$482.5 million to \$80.6 million in the year ended December 31, 2024, compared to \$563.2 million in the year ended December 31, 2023, primarily due to net debt payments and payments of debt extinguishment costs of \$55.2 million in the year ended December 31, 2024, compared to net debt payments and payments of debt extinguishment costs of \$561.3 million in the year ended December 31, 2023. This decrease is partially offset by the repurchases of common stock of \$24.3 million during the year ended December 31, 2024.

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Net cash used in financing activities increased \$443.1 million to \$563.2 million in the year ended December 31, 2023, compared to \$120.0 million in the year ended December 31, 2022, primarily due to net debt payments and payments of debt extinguishment costs of \$561.3 million in the year ended December 31, 2023, compared to net debt borrowings of \$12.7 million in the year ended December 31, 2022, partially offset by the non-recurrence of repurchases of our Common Stock of \$132.0 million in the year ended December 31, 2022.

Net cash used in financing activities decreased \$281.2 million to \$120.0 million in the year ended December 31, 2022 compared to \$401.2 million in the year ended December 31, 2021, primarily due to a decrease of \$191.7 million in repurchases of our Common Stock and net debt borrowings of \$12.7 million in the year ended December 31, 2022, compared to net debt payments and payments of debt extinguishment cost of \$86.1 million in the year ended December 31, 2021.

Holding Company Status

We are a holding company that conducts all of our operations through subsidiaries, and we rely on dividends or advances from our subsidiaries to fund the holding company. The majority of our operating income is derived from JWI, our main operating subsidiary. The ability of our subsidiaries to pay dividends to us is subject to applicable local law and may be limited due to the terms of other contractual arrangements, including our Credit Facilities and Senior Notes.

The amount of our consolidated net assets that were available to be distributed under our Credit Facilities as of December 31, 2023 December 31, 2024, was \$889.6 million \$931.7 million.

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Critical Accounting Policies and Estimates

The following disclosure is provided to supplement the description of our accounting policies contained in Note 1 - *Description of Company and Summary of Significant Accounting Policies* of our consolidated financial statements. Our MD&A is based upon our consolidated financial statements, which have been prepared in accordance with GAAP. The preparation of these consolidated financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities. On an ongoing basis, we evaluate our estimates. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which may differ from these estimates. The following discussion highlights the estimates we believe are critical and should be read in conjunction with the consolidated financial statements included in Part II, Item 8 of this Form 10-K.

Acquisitions

We allocate the fair value of purchase consideration to the tangible assets acquired, liabilities assumed, and intangible assets acquired based on their acquisition date fair values. Goodwill as of the acquisition date is measured as the excess of consideration transferred over the net of the acquisition date fair values of the assets acquired and the liabilities assumed. If the fair value of the acquired assets exceeds the purchase price the difference is recorded as a bargain purchase in other income, net. Such valuations require us to make significant estimates and assumptions, especially with respect to intangible assets. As a result, during the measurement period, which may be up to one year from the

acquisition date, material adjustments must be reflected in the comparative consolidated financial statements in the period in which the adjustment amount is determined. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our consolidated statements of operations. Newly acquired entities are included in our results from the date of their respective acquisitions.

Recoverability of Long-Lived and Intangible Assets

Long-lived assets, other than goodwill, are reviewed for impairment whenever events or changes in circumstances indicate the carrying amount of such asset groups may not be recoverable. Such events or circumstances include, but are not limited to, a significant decrease in the fair value of the underlying business or a change in utilization of property and equipment.

We group assets to test for impairment at the lowest level for which identifiable cash flows are largely independent of the cash flows of other groups of assets and liabilities. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to estimated undiscounted future cash flows expected to be generated by the assets.

When a triggering event is identified, we perform an impairment test by reviewing the expected undiscounted cash flows generated from the anticipated use and eventual disposition of the asset group compared to the carrying value of the asset group. If the expected undiscounted cash flows are less than the carrying value of the asset group, then we recognize an impairment loss, and the carrying amount of the asset is adjusted to fair value based on the discounted estimated future net cash flows. For depreciable long-lived assets and an amortizable intangible asset, the new cost basis will be amortized over the remaining useful life of the asset. Our impairment loss calculations require management to apply judgments in estimating future cash flows to determine asset fair values, including forecasting useful lives of the assets.

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Goodwill

Goodwill is tested for impairment on an annual basis during the fourth quarter and between annual tests if indicators of potential impairment exist. Current accounting guidance provides an entity with the option to perform a qualitative assessment to determine whether it is more-likely-than-not more likely than not that the fair value of a reporting unit is less than its carrying amount. If we do not perform a qualitative assessment, or if we determine that it is more likely than not that the fair value of the reporting unit is less than its carrying amount, we perform a quantitative goodwill impairment test. Prior to 2023, the estimated fair values of reporting units were derived using only an income approach (implied fair value measured on a non-recurring basis using level 3 inputs). Beginning in 2023, the estimated fair values of our reporting units were derived using a combination of income and market approaches, both of which yielded substantially equivalent indications of fair value. Absent an indication of fair value from a potential buyer or similar specific transactions, we believe that the use of these methods provides a reasonable estimate of a reporting unit's fair value. Fair value computed by these models is arrived at using a number of several factors and inputs. There are inherent uncertainties, however, related to fair value models, the inputs, factors and our judgment in applying them to this analysis. Nonetheless, we believe that the combination of these methods provides a reasonable approach to estimate the fair values of our reporting units.

Under the income approach, the fair value of a reporting unit is based on a discounted cash flow analysis of management's short-term and long-term forecast of operating performance. This analysis contains significant assumptions and estimates including revenue growth rates, expected EBITDA margins, discount rates, capital expenditures, income tax rates, and terminal growth rates. Under the market approach, we utilized a guideline company method in which the fair value of the reporting unit is based on weighting the financial multiples of comparable companies and applying a control premium. Changes in assumptions or estimates used in our goodwill impairment testing could materially affect the determination of the fair value of a reporting unit, and therefore, could eliminate the excess of fair value over carrying amount of a reporting unit and, in some cases, could result in impairment. Such changes in assumptions could be caused by items such as prolonged deterioration in economic conditions, a further decline in projected future cash flows, loss of one or more significant customers, decline in the demand for our products due to changing economic conditions, or failure to control cost increases above what can be recouped in sale price increases, increase, or increases in the discount rates. These types of changes would negatively affect our profits, revenues, and growth over the long term and such a decline could significantly affect the fair value assessment of our reporting units and cause our goodwill to become impaired.

During the year ended 2022, Prior to 2023, we identified three reporting units for the purpose of conducting our goodwill impairment assessment: North America, Europe and Australasia. After the divestiture of our Australasia reporting unit in the third quarter of 2023, we identified two reporting units: North America and Europe. In determining our reporting units, we considered (i) whether an operating segment or a component of an operating segment was a business, (ii) whether discrete financial information was available, and (iii) whether the financial information is regularly reviewed by management of the operating segment.

During the year ended December 31, 2022, upon the results of our interim impairment analysis, we concluded that the carrying amount of our Europe reporting unit exceeded its fair value, and we recorded a goodwill impairment charge of \$54.9 million, representing a partial impairment of goodwill assigned to the Europe reporting unit. In addition, we determined that our North America reporting unit was not impaired.

We performed our annual impairment assessment during the fourth quarter of 2023 using a quantitative analysis for our North America and Europe reporting units. No indication of goodwill impairment was identified. We determined that the fair value of our North America reporting unit would have to decline significantly to be considered for potential impairment. We determined the fair value of our Europe reporting unit would have to decline by approximately 3% to be considered for potential impairment. Keeping all other assumptions consistent,

During the third quarter of 2024, the Company updated its financial forecast for the Europe reportable segment to reflect anticipated macroeconomic conditions of prolonged elevated interest rates leading to reduced revenue growth expectations. The end of the third fiscal quarter also marks the conclusion of our generally heavier seasonal sales period and our European net sales were negatively impacted by weaker market demand. Accordingly, the Company determined that a triggering event occurred requiring an increase in interim goodwill impairment test for its European reporting unit as of September 28, 2024. Based upon the discount rate results of 1% would result in our interim impairment assessment, we concluded the carrying amount exceeding fair value by approximately 1% for our Europe reporting unit.

As further described below, we recorded an impairment of goodwill for our Europe reporting unit during exceeded its fair value, and we recorded a goodwill impairment charge of \$63.4 million, representing a partial impairment of goodwill assigned to the third quarter of 2022, Europe reporting unit. Following this partial impairment, the reporting unit's carrying amount equaled the fair value.

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We performed our annual impairment assessments during the fourth quarter. The Company elected to perform a qualitative analysis as of the fourth quarter for the Europe reporting unit. Our analysis did not determine that it was more likely than not that the carrying value of the Europe reporting unit exceeded the fair value. During the fourth quarter, we quantitatively determined that the fair value of our North America reporting unit exceeded its net carrying amount and no goodwill impairment existed. We determined that the fair value of our North America reporting unit would have to decline by less than 10% to be considered impaired. We believe that our Europe and North America reporting unit is units are at risk of impairment in the near term if the reporting unit's operating performance does not improve in line with management's expectations, or if there is a change in the long-term outlook for the business or in other factors, such as the discount rate. The current goodwill impairment analysis for our Europe and North America reporting unit units incorporates mid-to-low market outlook growth assumptions and realization of certain improvement plans.

During yielding the quarter ended September 24, 2022, management identified various qualitative and quantitative factors which collectively indicated a triggering event had occurred within our North America and Europe reporting units. These factors included the macroeconomic environment in each region including increasing interest rates, persistent inflation, and operational inefficiencies attributable to ongoing global supply chain disruptions, the continuing geopolitical environment in Europe associated with the conflict between Russia in Ukraine, and foreign exchange fluctuations. These factors have negatively impacted our business performance. Based upon the results benefits of our interim impairment analysis, we concluded that the carrying amount of our Europe reporting unit exceeded its fair value, transformation initiatives and we recorded a goodwill impairment charge of \$54.9 million, representing a partial impairment of goodwill assigned to the Europe reporting unit. In addition, we determined that our North America reporting unit was not impaired.

We performed our annual impairment assessment during the fourth quarter of 2022 and 2021 using a quantitative analysis for each of our reporting units. No indication of goodwill impairment was identified. strategic footprint optimization.

Income Taxes

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on the deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. We evaluate both the positive and negative evidence that is relevant in assessing whether we will realize the deferred tax assets. A valuation allowance is recorded when it is more likely than not that some of the deferred tax assets will not

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be realized. This projected realization is directly related to our future projections of the performance of our business and management's planning initiatives at any point in time. As a result, valuation allowances are subject to change as proven business trends and planning initiatives develop.

The tax effects from an uncertain tax position can be recognized in the consolidated financial statements only if the position is more likely than not to be sustained, based on the technical merits of the position and the jurisdiction. We recognize the financial statement benefit of a tax position only after determining that the relevant tax authority would more likely than not sustain the position following an audit and the tax related to the position would be due to the entity and not the owners. For tax positions meeting the more likely than not threshold, the amount recognized in the consolidated financial statements is the largest benefit that has a greater than 50 percent likelihood of being realized, upon ultimate settlement with the relevant tax authority. We apply this accounting standard to all tax positions for which the statute of limitations remains open. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs.

We file a consolidated federal income tax return in the U.S. and various states. For financial statement purposes, we calculate the provision for federal income taxes using the separate return method. Certain subsidiaries file separate tax returns in certain countries and states. Any U.S. federal, state and foreign income taxes refundable and payable are reported in other current assets and other current liabilities in the consolidated balance sheets as of December 31, 2023 December 31, 2024 and December 31, 2022, 2023. We record interest and penalties on amounts due to tax authorities as a component of income tax expense in the consolidated statements of operations. We have elected to account for the impact of GILTI in the period in which it is incurred.

The Company continues to monitor and evaluate legislative developments related to the Global Anti-BASE Erosion Proposal ("GloBE") established by the Organization of Economic Cooperation and Development's ("OECD") OECD Pillar Two framework. Several countries in which the Company's subsidiaries operate have adopted those rules into legislation. The Company continues to evaluate impacts as further guidance is released.

Contingent Liabilities

Contingent liabilities require significant judgment in estimating potential losses for legal and environmental claims. Each quarter, we review significant new claims and litigation for the probability of an adverse outcome. Estimates are recorded as liabilities when it is probable that a liability has been incurred, and the amount of the loss is reasonably estimable. Disclosure is required when there is a reasonable possibility that the ultimate loss will materially exceed the recorded provision. Contingent liabilities are often resolved over long time periods. Estimating probable losses requires analysis of multiple forecasts that often depend on judgments about potential actions by third parties such as regulators, and the estimated loss can change materially as individual claims develop.

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Share-based Compensation Plan

We have share-based compensation plans that provide for compensation to employees through various grants of share-based instruments. We apply the fair value method of accounting using the Black-Scholes option-pricing model to determine the compensation expense for stock options. The compensation expense for RSUs awarded is based on the fair value of the RSU at the date of grant. Compensation expense is recorded in the consolidated statements of operations and is recognized over the requisite service period. The determination of obligations and compensation expense requires the use of several mathematical and judgmental factors, including stock price, expected volatility, the anticipated life of the option, estimated risk-free rate, and the number of shares or share options expected to vest. Any difference in the number of shares or share options that actually vest can affect future compensation expense. Other assumptions are not revised after the original estimate.

The Black-Scholes option-pricing model requires the use of weighted average assumptions for estimated expected volatility, estimated expected term of stock options, risk-free rate, estimated expected dividend yield, and the fair value of the underlying common stock at the date of grant. We estimate the expected term of all stock options based on previous history of exercises. The risk-free rate is based on the U.S. Treasury yield curve in effect at the time of grant for the expected term of the stock option. The expected dividend yield rate is 0% which is consistent with the expected dividends to be paid on common stock.

For PSUs issued prior to 2021, the number of PSUs that vest is determined by a payout factor consisting of equally weighted performance measures of Adjusted EBITDA and ~~free cash flow~~, **Free Cash Flow**, each as reported over the applicable three-year performance period and is adjusted based upon a market condition measured by our ~~relative total shareholder return ("TSR")~~ **TSR** over the applicable three-year performance period as compared to the TSR of the Russell 3000 index. For PSUs issued in 2021 and thereafter, the number of PSUs that vest is determined by a payout factor consisting of equally weighted pre-set three-year performance targets on ~~return on invested capital ("ROIC")~~ **ROIC** and TSR. The fair value of the award is estimated using a Monte Carlo simulation approach in a risk-neutral framework to model future stock price movements based on historical volatility, risk free rates of return, and correlation matrix.

We estimate forfeitures based on our historical analysis of actual stock option forfeitures. Actual forfeitures are recorded when incurred and estimated forfeitures are reviewed and adjusted at least annually.

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Employee Retirement and Pension Benefits

The obligations under our defined benefit pension plans are calculated using actuarial models and methods. The most critical assumption and estimate used in the actuarial calculations is the discount rate for determining the current value of benefit obligations. Other assumptions and estimates used in determining benefit obligations and plan expenses include expected return on plan assets, inflation rates, and demographic factors such as retirement age, mortality, and turnover. These assumptions and estimates are evaluated periodically and are updated accordingly to reflect our actual experience and expectations.

The discount rate used to determine the benefit obligations was computed through a projected benefit cash flow model. This approach determines the discount rate as the rate that equates the present value of the cash flows (determined using that single rate) to the present value of the cash flows where each cash flows' present value is determined using the spot rates from the WTW RATE: Link 10:90 Yield Curve.

The discount rate utilized to calculate the projected benefit obligation at the measurement date for our U.S. pension plan ~~decreased~~ **increased to 5.57% at December 31, 2024, from 5.05% at December 31, 2023 from 5.39% at December 31, 2022**. Lowering the discount rate by ~~0.25%~~ **25 bps** would increase the U.S. pension and post-retirement obligation at ~~December 31, 2023~~ **December 31, 2024**, by approximately ~~\$7.2~~ **\$6.2** million and would decrease estimated fiscal year ~~2024~~ **2025** pension expense by approximately ~~\$0.1~~ **\$0.3** million. Increasing the discount rate by ~~0.25%~~ **25 bps** would decrease the U.S. pension and post-retirement obligation at ~~December 31, 2023~~ **December 31, 2024**, by approximately ~~\$6.9~~ **\$6.0** million and would increase estimated fiscal year ~~2024~~ **2025** pension expense by approximately ~~\$0.3 million~~ **\$0.3 million**.

We determine the expected long-term rate of return on plan assets based on the plan assets' historical long-term investment performance, current asset allocation, and estimates of future long-term returns by asset class. Holding all other assumptions constant, a ~~1%~~ **100 bps** increase or decrease in the assumed rate of return on plan assets would decrease or increase, respectively, ~~2024~~ **2025** net periodic pension expense by approximately ~~\$2.7~~ **\$2.5** million.

The actuarial assumptions we use in determining our pension benefits may differ materially from actual results because of changing market and economic conditions, higher or lower withdrawal rates, or longer or shorter life spans of participants. While we believe that the assumptions used are appropriate, differences in actual experience or changes in assumptions might materially affect our financial position or results of operations.

Capital Expenditures

We expect that our capital expenditures will be focused on supporting our cost reduction and efficiency improvement projects sustaining our current manufacturing operations. We are subject to health, safety, and environmental regulations that may require us to make capital expenditures to ensure our facilities are compliant with those various regulations.

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Item 7A - Quantitative and Qualitative Disclosures About Market Risk

We are exposed to the risk that our earnings, cash flows and equity could be adversely impacted by changes in foreign exchange rates, interest rates and commodity prices. We maintain risk management controls and policies to monitor these risks and take appropriate risk mitigation actions. We use certain derivative instruments, when available on a cost-effective basis, to hedge our underlying economic exposures. For additional information on our financial instruments and hedging strategies, See Refer to Note 23 – *Derivative Financial Instruments* to our consolidated financial statements for the year ended December 31, 2023 included elsewhere in this Form 10-K. 10-K for more information on our financial instruments and hedging strategies.

Exchange Rate Risk

We have global operations and therefore enter into transactions denominated in various foreign currencies. To mitigate cross-currency transaction risk, we analyze significant forecast exposures where we expect receipts or payments in a currency other than the functional currency of our operations, and from time to time we may strategically enter into short-term foreign currency forward contracts to lock in some or all of the cash flows associated with these transactions. In most of the countries in which we operate, the exposure to foreign currency movements is limited because the operating revenues and expenses of our business units are substantially denominated in the local currency. We also are subject to currency translation risk associated with converting our foreign operations' financial statements into U.S. dollars. The exchange rates used to translate our foreign subsidiaries' financial results for the year ended December 31, 2023 December 31, 2024, compared to the year ended December 31, 2022 December 31, 2023, reflected, on average, the U.S. dollar strengthened against the Canadian dollar 4% and weakened against the Euro by 3% 9% and 6%, respectively. Exchange rates had a nominal impact on our consolidated net revenues and an adverse impact of (1%) on our Adjusted EBITDA from continuing operations in the year ended December 31, 2024, as compared to a nominal impact on our consolidated net revenues and Adjusted EBITDA from continuing operations, respectively, in the year ended December 31, 2023 as compared to an adverse impact of (4%) and of (3%) on our consolidated net revenues and Adjusted EBITDA from continuing operations, respectively, in the year ended December 31, 2022.

We cannot be certain that fluctuations in foreign currency exchange rates, particularly the strengthening of the U.S. dollar against major currencies, such as the Euro, the Canadian dollar, the British pound, or the currencies of large developing countries, would not materially adversely affect our business, financial condition, and results of operations.

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We use short-term foreign currency forward derivative contracts that are not designated as hedges to mitigate the impact of foreign exchange fluctuations on consolidated earnings. As of December 31, 2023 December 31, 2024, we held foreign currency derivative contracts, with a total notional amount of \$95.9 million in order \$148.4 million to manage the effect of exchange fluctuations on forecasted sales, purchases, acquisitions, capital expenditures and certain intercompany transactions and intercompany loans and interest that are denominated in foreign currencies. We have foreign currency derivative contracts, with a total notional amount of \$140.1 million, to manage the risks of foreign currency gains and losses on intercompany loans and interest. We also used foreign currency derivative contracts, with a total notional amount of \$28.9 million as of December 31, 2023, to mitigate the impact to the consolidated earnings of the Company from the effect of the translation of certain subsidiaries' local currency results into U.S. dollars. We do not use derivative financial instruments for trading or speculative purposes.

At the end of 2024, we implemented a hedging program to manage the potential changes in value associated with the amounts payable on raw material purchases that are denominated in foreign currencies to minimize the impact of the changes in foreign currencies. We have foreign currency derivative contracts, which qualify as cash flow hedges, with a total notional amount of \$163.3 million as of December 31, 2024. We record gains and losses for these contracts in other comprehensive (loss) income to the extent that these hedges are effective and until we recognize the underlying transactions in net earnings, at which time we recognize these gains and losses in cost of sales on our consolidated statements of operations.

By using derivative financial instruments to hedge exposures to foreign currency fluctuations, we are exposed to credit risk and market risk. Credit risk is the failure of the counterparty to perform under the terms of the derivative contract. When the fair value of a derivative contract is positive, the counterparty owes us, which creates credit risk for us. When the fair value of a derivative contract is negative, we owe the counterparty and, therefore, we are not exposed to the counterparty's credit risk in those circumstances. We attempt to minimize counterparty credit risk in derivative instruments by entering into transactions with high-quality counterparties whose credit rating is at least upper-medium investment grade. Our derivative instruments do not contain credit risk related risk-related contingent features.

Interest Rate Risk

We are exposed to interest rate market risk in connection with our long-term debt, some of which is based upon floating interest rates. To manage our interest rate risk, we may enter into interest rate derivatives, such as interest rate swaps, caps, or collars when we deem it to be appropriate. We do not use derivative financial instruments for trading or other speculative purposes and are not a party to any leveraged derivative instruments. Our net exposure to interest rate risk would primarily be based on the difference between outstanding variable rate debt and the notional amount of any interest rate derivatives. We assess interest rate risk by identifying and monitoring changes in interest rate exposures that may adversely impact expected future cash flows and by evaluating hedging opportunities. We monitor interest rate risk attributable to our outstanding debt obligations, involving the use of analytical techniques to determine the potential impact of interest rate volatility on future interest payments.

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Raw Materials Risk

Our major raw materials include wood, wood composites, wood components, steel, glass, internally produced door skins, fiberglass compound, hardware, petroleum-based products such as resin and binders, as well as aluminum and vinyl extrusions. Prices of these materials can fluctuate significantly in response to, among other things, variable worldwide supply and demand across different industries, speculation in commodities futures, general economic or environmental conditions, labor costs, competition, import duties, tariffs, worldwide currency fluctuations, freight, regulatory costs, and product and process evolutions that impact demand for the same materials. Increasing raw material prices directly impact our cost of sales and our ability to maintain margins depends on implementing price increases in response to increasing raw material costs. The market for our

products may or may not accept price increases, and as such, there is no assurance that we can maintain margins in an environment of rising commodity prices. See Refer to Item 1A-1A - **Risk Factors** - Prices and availability of the raw materials we use to manufacture our products are subject to fluctuations and we may be unable to pass along to our customers the effects of any price increases.

We purchase from multiple geographically diverse companies to mitigate the adverse impact of higher prices for our raw materials. Also, from time to time, we enter into derivatives to hedge commodity price fluctuations that are immaterial to the consolidated financial statements. For Refer to Note 23 – **Derivative Financial Instruments** to our **consolidated financial statements included in this Form 10-K** for more information about our derivative asset and **liabilities**, refer to Note 23 - **Derivative Financial Instruments** of our **audited consolidated financial statements included in this Form 10-K**. **liabilities**. We also maintain other strategies to mitigate the impact of higher raw material, energy, and commodity costs, which typically offset only a portion of the adverse impact.

Item 8 - Financial Statements and Supplementary Data

See Index to Consolidated Financial Statements beginning on page F-1 of the Form 10-K.

Item 9 - Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A - Controls and Procedures

Disclosure Controls and Procedures

The Company maintains disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the **Securities Exchange Act, of 1934**, as amended (the "Exchange Act")), which are designed to ensure that information required to be disclosed by

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the Company in reports that it files or submits under the Exchange Act, including this Report, are recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms. These disclosure controls and procedures include controls and procedures designed to ensure that information required to be disclosed by the Company under the Exchange Act is accumulated and communicated to the Company's management, including its **principal executive officer ("CEO")** **CEO** and **principal financial officer ("CFO")**, **CFO**, as appropriate to allow timely decisions regarding required disclosure.

The Company's management, including the Company's CEO and CFO, conducted an evaluation of the effectiveness of the Company's disclosure controls and procedures as of the end of the period covered by this Report and, based on that evaluation, the CEO and CFO concluded that the Company's disclosure controls and procedures were effective as of **December 31, 2023** **December 31, 2024**.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during the Company's most recently completed quarter ended December 31, 2024, that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

Management's Report on Internal Control over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f) and 15d-15(f).

The Company **carried out** conducted an evaluation under the supervision and with the participation of the Company's management, including the Company's CEO and CFO, of the effectiveness of the Company's internal control over financial reporting. The Company's management used the framework in *Internal Control-Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations (COSO) to perform this evaluation. Based on this evaluation, management has concluded that our internal control over financial reporting was effective as of **December 31, 2023** **December 31, 2024**.

The effectiveness of our internal control over financial reporting as of **December 31, 2023** **December 31, 2024**, has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report appearing under Item 8-8 - **Financial Statements and Supplementary Data**.

Changes in Internal Control over Financial Reporting

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There were no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during the Company's most recently completed quarter ended December 31, 2023 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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Item 9B - Other Information

(c) During the **year** **three** months ended **December 31, 2023** **December 31, 2024**, no director or officer (as defined in Rule 16a-1(f) of the Exchange Act) of the Company adopted or terminated a "Rule 10b5-1 trading arrangement" or "non-Rule 10b5-1 trading arrangement," as each term is defined in Item 408(a) of Regulation S-K.

Item 9C - Disclosures Regarding Foreign Jurisdictions that Prevent Inspections

Not applicable.

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PART III

Item 10 - Directors, Executive Officers and Corporate Governance

The information required by this item with respect to our executive officers appears in Part I of this Form 10-K under the heading, "Executive Officers of the Registrant".

The Except as provided below, the other information required by this item is incorporated by reference to the Company's definitive Proxy Statement for its 2024 2025 Annual Meeting of Stockholders to be held on April 25, 2024 April 24, 2025, which will be filed with the SEC within 120 days of the Company's fiscal year end covered by this Form 10-K ("Proxy Statement").

Our Board has adopted a securities trading and disclosure policy governing the purchase, sale, and/or other dispositions of our securities by our directors, officers, and employees that we believe is reasonably designed to promote compliance with insider trading laws, rules, and regulations, and the exchange listing standards applicable to us. In addition, it is our policy to comply with applicable securities and state laws, including insider trading laws, when engaging in transactions in our securities. A copy of our securities trading and disclosure policy is filed as Exhibit 19.1 to this Form 10-K.

Item 11 - Executive Compensation

The information required by this item is incorporated by reference to the Proxy Statement, except as to information required pursuant to Item 402(v) of SEC Regulation S-K relating to pay versus performance.

Item 12 - Security Ownership of Certain Beneficial Owners and Management and Related Shareholder Matters

Equity Compensation Plan Information

The following table sets forth information with respect to shares of our Common Stock that may be issued under our existing equity compensation plans, as of December 31, 2023 December 31, 2024:

Plan Category	Plan Category	(a)	(a)	(b)	(c)
		Number of Securities to be Issued Upon Exercise of Outstanding Options, Warrants, and Rights	Weighted Average Exercise Price of Outstanding Options, Warrants, and Rights ⁽¹⁾	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a))	Number of Securities to be Issued Upon Exercise of Outstanding Options, Warrants, and Rights
Equity compensation plans approved by security holders	Equity compensation plans approved by security holders	3,935,257 ⁽²⁾	\$20.42	3,428,568 ⁽³⁾	3,622,222 ⁽²⁾
Equity compensation plans not approved by security holders	Equity compensation plans not approved by security holders			Equity compensation plans not approved by security holders	
Total	Total	3,935,257	\$20.42	3,428,568	3,622,222

(1) Excludes RSUs and PSUs, which have no exercise price.

(2) Consists of shares underlying 1,452,819 1,296,666 stock options, 2,224,642 1,790,096 RSUs, and 257,796 535,460 PSUs outstanding under the 2011 Stock Incentive Plan and 2017 Omnibus Equity Plan.

(3) Number The number of securities remaining for future issuances includes only shares available under the 2017 Omnibus Equity Plan.

The other information required by this item is incorporated by reference to the Proxy Statement.

Item 13 - Certain Relationships and Related Transactions, and Director Independence

The information required by this item is incorporated by reference to the Proxy Statement.

Item 14 - Principal Accounting Fees and Services

The information required by this item is incorporated by reference to the Proxy Statement.

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PART IV

Item 15 - Exhibits and Financial Statement Schedules

1. Financial Statements

The financial statements are set forth under Item 8 - *Financial Statements and Supplementary Data* of this Form 10-K.

2. Financial Statement Schedules

All financial statements and schedules are omitted because they are not applicable, not required, or the information is included in the financial statements or the notes thereto.

3. Exhibits

The exhibits listed on the accompanying Exhibit Index are filed or incorporated by reference as part of this Form 10-K and such Exhibit Index is incorporated herein by reference.

Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
3.1	Second Amended and Restated Certificate of Incorporation of JELD-WEN Holding, Inc.	8-K	001-38000	3.1	May 4, 2022
3.2	Fourth Amended and Restated Bylaws of JELD-WEN Holding, Inc.	8-K	001-38000	3.1	February 9, 2024
4.1	Description of Securities.	10-K	001-38000	4.1	February 22, 2022
4.2	Indenture, dated as of December 14, 2017, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as Trustee (including form of Note).	8-K	001-38000	4.1	December 14, 2017
4.3	First Supplemental Indenture, dated as of December 21, 2018, among American Building Supply, Inc., J B L Hawaii, Limited and Wilmington Trust, National Association, as Trustee. Second Supplemental Indenture, dated as of September 24, 2020, among Milliken Millwork, Inc., VPI Quality Windows, Inc., subsidiaries of JELD-WEN, Inc. and Wilmington Trust, National Association, as Trustee.	8-K	001-38000	4.1	December 27, 2018
4.4	Third Supplemental Indenture, dated as of December 31, 2020, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as Trustee. Indenture, dated as of May 4, 2020, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as trustee and notes collateral agent (including form of Notes).	10-Q	001-38000	4.2	November 3, 2020
4.5	First Supplemental Indenture, dated September 24, 2020, to the Senior Secured Notes Indenture, dated May 4, 2020, to the Senior Secured Notes Indenture, dated May 4, 2020, among Milliken Millwork, Inc., subsidiaries of JELD-WEN, Inc., and Wilmington Trust, National Association, as Trustee.	10-K	001-38000	4.9	February 23, 2021
4.6	Second Supplemental Indenture, dated as of December 31, 2020, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as Trustee and Notes Collateral Agent.	8-K	001-38000	4.1	May 5, 2020
4.7	Pledge and Security Agreement, dated as of May 4, 2020, among JELD-WEN, Inc., JELD-WEN Holding, Inc., the other grantors party thereto and Wilmington Trust, National Association, as notes collateral agent. Guarantor Joinder Agreement, dated as of September 24, 2020, to the Term Loan Credit Agreement, dated as of October 15, 2014 (as amended on July 1, 2015, November 1, 2016, March 7, 2017, December 14, 2017, September 20, 2019) among Milliken Millwork, Inc., VPI Quality Windows, Inc., and Bank of America, N.A., as Administrative Agent.	10-Q	001-38000	4.1	November 3, 2020
4.8	Borrower Joinder Agreement, dated as of September 24, 2020, to the Revolving Credit Agreement, dated as of October 15, 2014 (as amended on July 1, 2015, November 1, 2016, December 14, 2017, December 21, 2018 and December 31, 2019) among Milliken Millwork, Inc., VPI Quality Windows, Inc., and Wells Fargo Bank, National Association, as Administrative Agent.	10-Q	001-38000	4.3	November 3, 2020
4.11		10-Q	001-38000	4.4	November 3, 2020

Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date

2.1	Asset Purchase Agreement, dated October 11, 2024, by and between JELD-WEN, Inc., WG Towanda LLC and Woodgrain Inc., effective December 13, 2024.	8-K	001-38000	2.1	December 19, 2024
3.1	Second Amended and Restated Certificate of Incorporation of JELD-WEN Holding, Inc.	8-K	001-38000	3.1	May 4, 2022
3.2	Fourth Amended and Restated Bylaws of JELD-WEN Holding, Inc.	8-K	001-38000	3.1	February 9, 2024
4.1	Description of Securities.	10-K	001-38000	4.1	February 22, 2022
4.2	Indenture, dated as of December 14, 2017, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as Trustee (including form of Note).	8-K	001-38000	4.1	December 14, 2017
4.3	First Supplemental Indenture, dated as of December 21, 2018, among American Building Supply, Inc., J B L Hawaii, Limited and Wilmington Trust, National Association, as Trustee.	8-K	001-38000	4.1	December 27, 2018
4.4	Second Supplemental Indenture, dated as of September 24, 2020, among Milliken Millwork, Inc., VPI Quality Windows, Inc., subsidiaries of JELD-WEN, Inc. and Wilmington Trust, National Association, as Trustee.	10-Q	001-38000	4.2	November 3, 2020
4.5	Third Supplemental Indenture, dated as of December 31, 2020, among JELD-WEN, Inc., the guarantors party thereto and Wilmington Trust, National Association, as Trustee.	10-K	001-38000	4.9	February 23, 2021
4.6	Indenture, dated as of August 22, 2024, among JELD-WEN Holding, Inc., the guarantors party thereto and Truist Bank, as trustee (including form of Notes).	8-K	001-38000	4.1	August 22, 2024
	Guarantor Joinder Agreement, dated as of September 24, 2020, to the Term Loan Credit Agreement, dated as of October 15, 2014 (as amended on July 1, 2015, November 1, 2016, March 7, 2017, December 14, 2017, September 20, 2019) among Milliken Millwork, Inc., VPI Quality Windows, Inc., and Bank of America, N.A., as Administrative Agent.	10-Q	001-38000	4.3	November 3, 2020
	Borrower Joinder Agreement, dated as of September 24, 2020, to the Revolving Credit Agreement, dated as of October 15, 2014 (as amended on July 1, 2015, November 1, 2016, December 14, 2017, December 21, 2018 and December 31, 2019) among Milliken Millwork, Inc., VPI Quality Windows, Inc., and Wells Fargo Bank, National Association, as Administrative Agent.	10-Q	001-38000	4.4	November 3, 2020
10.1	Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated October 15, 2014.	S-1	333-211761	10.1	June 1, 2016
10.2	Amendment No. 1 to Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the subsidiary guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated July 1, 2015.	S-1	333-211761	10.1.1	June 1, 2016
10.3	Amendment No. 2 to Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., Karona, Inc., the subsidiary guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated November 1, 2016.	S-1/A	333-211761	10.1.2	November 17, 2016

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Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
10.1	Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated October 15, 2014.	S-1	333-211761	10.1	June 1, 2016
10.2	Amendment No. 1 to Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the subsidiary guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated July 1, 2015.	S-1	333-211761	10.1.1	June 1, 2016
10.3	Amendment No. 2 to Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., Karona, Inc., the subsidiary guarantors party thereto, Wells Fargo Bank, National Association, and the lenders party thereto, dated November 1, 2016.	S-1/A	333-211761	10.1.2	November 17, 2016
10.4	Amendment No. 3 to Credit Agreement, among JELD-WEN, Inc., JELD-WEN Holding, Inc., JELD-WEN of Canada, Ltd., the other borrowers party thereto, the subsidiary guarantors party thereto, the lenders party thereto, Wells Fargo Bank, National Association, as administrative agent, issuing bank and swingline lender and the other parties thereto, dated as of December 14, 2017.	8-K	001-38000	10.1	December 15, 2017

10.5	<u>Amendment No. 4, dated as of December 21, 2018, among JELD-WEN, Inc., American Building Supply, Inc., J B L Hawaii, Limited, the other borrowers party thereto, the subsidiary guarantors party thereto, the lenders party thereto and Wells Fargo Bank, National Association, as administrative agent.</u>	8-K	001-38000	10.1	December 27, 2018
10.6	<u>Amendment No. 5, dated as of December 31, 2019, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto.</u>	8-K	001-38000	10.1	January 6, 2020
10.7	<u>Amendment No. 6, dated as of July 28, 2021, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the subsidiary guarantors party thereto, and Bank of America, N.A., as administrative agent.</u>	10-Q	001-38000	10.2	August 2, 2021
10.8	<u>Amendment No. 7 to Credit Agreement, dated as of June 15, 2023, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto.</u>	8-K	001-38000	10.1	June 16, 2023
10.9	<u>Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., Onex BP Finance LP, the other guarantors party thereto, Bank of America, N.A. and the lenders party thereto, dated October 15, 2014.</u>	S-1	333-211761	10.2	June 1, 2016
10.10	<u>Amendment No. 1 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., Onex BP Finance LP, the subsidiary guarantors party thereto, Bank of America, N.A., and the lenders party thereto, dated July 1, 2015.</u>	S-1	333-211761	10.2.1	June 1, 2016
10.11	<u>Amendment No. 2 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the subsidiary guarantors party thereto, Onex BP Finance LP, Bank of America, N.A., and the lenders party thereto, dated November 1, 2016.</u>	S-1/A	333-211761	10.2.2	November 17, 2016
10.12	<u>Amendment No. 3 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the subsidiary guarantors party thereto, Onex BP Finance LP, Bank of America, N.A., and the lenders party thereto, dated March 7, 2017.</u>	8-K	001-38000	10.1	March 8, 2017
10.13	<u>Amendment No. 4, by and among JELD-WEN, Inc., JELD-WEN Holding, Inc., the subsidiary guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent and the other parties thereto, dated as of December 14, 2017.</u>	8-K	001-38000	10.2	December 15, 2017
10.14	<u>Amendment No. 5, dated as of September 20, 2019, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the subsidiary guarantors party thereto, the lenders party thereto and Bank of America, N.A., as administrative agent.</u>	8-K	001-38000	10.1	September 20, 2019
10.15	<u>Amendment No. 6, dated as of July 28, 2021, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto.</u>	10-Q	001-38000	10.3	August 2, 2021
10.16	<u>Amendment No. 7 to Term Loan Credit Agreement, dated as of June 16, 2023, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the other guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent, and the other parties thereto.</u>	8-K	001-38000	10.2	June 16, 2023

Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
10.4	<u>Amendment No. 3 to Credit Agreement, among JELD-WEN, Inc., JELD-WEN Holding, Inc., JELD-WEN of Canada, Ltd., the other borrowers party thereto, the subsidiary guarantors party thereto, the lenders party thereto, Wells Fargo Bank, National Association, as administrative agent, issuing bank and swingline lender and the other parties thereto, dated as of December 14, 2017.</u>	8-K	001-38000	10.1	December 15, 2017
10.5	<u>Amendment No. 4, dated as of December 21, 2018, among JELD-WEN, Inc., American Building Supply, Inc., J B L Hawaii, Limited, the other borrowers party thereto, the subsidiary guarantors party thereto, the lenders party thereto and Wells Fargo Bank, National Association, as administrative agent.</u>	8-K	001-38000	10.1	December 27, 2018
10.6	<u>Amendment No. 5, dated as of December 31, 2019, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto.</u>	8-K	001-38000	10.1	January 6, 2020
10.7	<u>Amendment No. 6, dated as of July 28, 2021, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the subsidiary guarantors party thereto, and Bank of America, N.A., as administrative agent.</u>	10-Q	001-38000	10.2	August 2, 2021

10.8	<u>Amendment No. 7 to Credit Agreement, dated as of June 15, 2023, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto</u>	8-K	001-38000	10.1	June 16, 2023
10.9	<u>Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., Onex BP Finance LP, the other guarantors party thereto, Bank of America, N.A. and the lenders party thereto, dated October 15, 2014.</u>	S-1	333-211761	10.2	June 1, 2016
10.10	<u>Amendment No. 1 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc., Onex BP Finance LP, the subsidiary guarantors party thereto, Bank of America, N.A., and the lenders party thereto, dated July 1, 2015.</u>	S-1	333-211761	10.2.1	June 1, 2016
10.11	<u>Amendment No. 2 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc. the subsidiary guarantors party thereto, Onex BP Finance LP, Bank of America, N.A., and the lenders party thereto, dated November 1, 2016.</u>	S-1/A	333-211761	10.2.2	November 17, 2016
10.12	<u>Amendment No. 3 to Term Loan Credit Agreement, among JELD-WEN Holding, Inc., JELD-WEN, Inc. the subsidiary guarantors party thereto, Onex BP Finance LP, Bank of America, N.A., and the lenders party thereto, dated March 7, 2017.</u>	8-K	001-38000	10.1	March 8, 2017
10.13	<u>Amendment No. 4, by and among JELD-WEN, Inc., JELD-WEN Holding, Inc., the subsidiary guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent and the other parties thereto, dated as of December 14, 2017.</u>	8-K	001-38000	10.2	December 15, 2017
10.14	<u>Amendment No. 5, dated as of September 20, 2019, among JELD-WEN Holding, Inc., JELD-WEN, Inc. the subsidiary guarantors party thereto, the lenders party thereto and Bank of America, N.A., as administrative agent.</u>	8-K	001-38000	10.1	September 20, 2019
10.15	<u>Amendment No. 6, dated as of July 28, 2021, among JELD-WEN Holding, Inc., JELD-WEN, Inc., JELD-WEN of Canada, Ltd., the other borrowers and subsidiary guarantors party thereto, Wells Fargo Bank, National Association, as administrative agent, and the lenders party thereto.</u>	10-Q	001-38000	10.3	August 2, 2021
10.16	<u>Amendment No. 7 to Term Loan Credit Agreement, dated as of June 16, 2023, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the other guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent, and the other parties thereto.</u>	8-K	001-38000	10.2	June 16, 2023
10.17	<u>Amendment No. 8 to Term Loan Credit Agreement, dated as of January 19, 2024, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the other guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent, and the other parties thereto.</u>	8-K	001-38000	10.1	January 19, 2024
10.18	<u>Share Sale Agreement, dated April 17, 2023, by and between JW International Holdings, Inc. and Aristotle Holding III Pty Limited</u>	8-K	001-38000	2.1	April 18, 2023
10.19+	<u>JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan.</u>	10-K	001-38000	10.18	February 22, 2022
10.20+	<u>Amendment to Form of Nonqualified Stock Option Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan.</u>	10-Q	001-38000	10.2	April 30, 2021
10.21+	<u>Form of Restricted Stock Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.</u>	10-K	001-38000	10.20	February 22, 2022

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Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
10.17	<u>Amendment No. 8 to Term Loan Credit Agreement, dated as of January 19, 2024, among JELD-WEN Holding, Inc., JELD-WEN, Inc., the other guarantors party thereto, the lenders party thereto, Bank of America, N.A., as administrative agent, and the other parties thereto.</u>	8-K	001-38000	10.1	January 19, 2024
10.18	<u>Share Sale Agreement, dated April 17, 2023, by and between JW International Holdings, Inc. and Aristotle Holding III Pty Limited</u>	8-K	001-38000	2.1	April 18, 2023
10.19+	<u>JELD-WEN Holding, Inc. Amended and Restated Stock Incentive Plan, dated January 30, 2017.</u>	10-Q	001-38000	10.14	May 12, 2017
10.20+	<u>Form of Nonstatutory Common Stock Option Agreement under JELD-WEN Holding, Inc. Amended and Restated Stock Incentive Plan.</u>	S-1/A	333-211761	10.7	December 16, 2016
10.21+	<u>Form of Nonstatutory Class B-1 Common Stock Option Agreement under JELD-WEN Holding, Inc. Amended and Restated Stock Incentive Plan.</u>	S-1/A	333-211761	10.8	December 16, 2016
10.22+	<u>JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan.</u>	10-K	001-38000	10.18	February 22, 2022

10.23+	Amendment to Form of Nonqualified Stock Option Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan.	10-Q	001-38000	10.2	April 30, 2021
10.24+	Form of Restricted Stock Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.20	February 22, 2022
10.25+	Form of Performance Share Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.21	February 22, 2022
10.26*+	Form of Nonqualified Stock Option Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.				
10.27*+	Form of Restricted Stock Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.				
10.28*+	Form of Performance Share Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.				
10.29*+	JELD-WEN Holding, Inc. 2024 Management Incentive Plan				
10.30+	Form of Indemnification Agreement.	S-1	333-211761	10.25	June 1, 2016
10.31+	Form of Separation Agreement between JELD-WEN Holding, Inc. and executive officers.	10-Q	001-38000	10.1	September 24, 2022
10.32+	Amendment to Executive Employment Agreement between JELD-WEN Holding, Inc. and Kevin C. Lilly, effective August 3, 2022.	10-Q	001-38000	10.2	September 24, 2022
10.33+	Form of Executive Employment Agreement between JELD-WEN Holding, Inc. and executive officers.	10-Q	001-38000	10.1	August 5, 2020
10.34	The JELD-WEN Deferred Compensation Plan, effective April 1, 2022	8-K	001-38000	10.1	February 18, 2022
19.1*	Securities Trading and Disclosure Policy				
21.1*	List of subsidiaries of JELD-WEN Holding, Inc.				
22.1	Subsidiary Guarantors and Issuers of Guaranteed Securities.	10-K	001-38000	22.1	February 22, 2022
23.1*	Consent of PricewaterhouseCoopers LLP, independent registered public accounting firm.				
24.1*	Power of Attorney (included on the signature page of this Annual Report on Form 10-K).				
31.1*	Certification of Periodic Report by Chief Executive Officer under Section 302 of the Sarbanes-Oxley Act of 2002.				
31.2*	Certification of Periodic Report by Chief Financial Officer under Section 302 of the Sarbanes-Oxley Act of 2002.				
32.1*	Certification of Chief Executive Officer and Chief Financial Officer Pursuant to 18 U.S.C. Section 1350 as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				
97.1*	JELD-WEN Holding, Inc. Incentive Compensation Clawback Policy				
101.INS*	Inline XBRL Instance Document.				
101.SCH*	Inline XBRL Taxonomy Extension Schema Document.				
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document.				
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document.				
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document.				
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document.				
104	Cover Page Interactive Data File (formatted in Inline XBRL and contained in Exhibit 101).				

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Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
*	Filed herewith.				
+	Indicates management contract or compensatory plan.				
Exhibit No.	Exhibit Description	Form	File No.	Exhibit	Filing Date
10.22+	Form of Performance Share Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.21	February 22, 2022
10.23+	Form of Nonqualified Stock Option Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.26	February 20, 2024
10.24+	Form of Restricted Stock Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.27	February 20, 2024

10.25+	Form of Performance Share Unit Award Agreement under JELD-WEN Holding, Inc. 2017 Omnibus Plan.	10-K	001-38000	10.28	February 20, 2024
10.26**	Form of Nonqualified Stock Option Agreement Under JELD-WEN Holding, Inc. 2017 Omnibus Plan (2025 and after grants).				
10.27**	Form of Restricted Stock Unit Agreement Under JELD-WEN Holding, Inc. 2017 Omnibus Plan (2025 and after grants).				
10.28**	Form of Performance Share Unit Agreement Under JELD-WEN Holding, Inc. 2017 Omnibus Plan (2025 and after grants).				
10.29+	JELD-WEN Holding, Inc. 2025 Management Incentive Plan.	8-K	001-38000	10.1	February 11, 2025
10.30+	Form of Indemnification Agreement.	S-1	333-211761	10.25	June 1, 2016
10.31+	Form of Separation Agreement between JELD-WEN Holding, Inc. and executive officers.	10-Q	001-38000	10.1	September 24, 2022
10.32+	Amendment to Executive Employment Agreement between JELD-WEN Holding, Inc. and Kevin C. Lilly, effective August 3, 2022.	10-Q	001-38000	10.2	September 24, 2022
10.33**	Separation and Release Agreement with Kevin Lilly, effective January 3, 2025.				
10.34+	Form of Executive Employment Agreement between JELD-WEN Holding, Inc. and executive officers.	10-Q	001-38000	10.1	August 5, 2020
10.35+	The JELD-WEN Deferred Compensation Plan, effective April 1, 2022	8-K	001-38000	10.1	February 18, 2022
19.1	Securities Trading and Disclosure Policy	10-K	001-38000	19.1	February 20, 2024
21.1*	List of subsidiaries of JELD-WEN Holding, Inc.				
22.1*	Subsidiary Guarantors and Issuers of Guaranteed Securities.				
23.1*	Consent of PricewaterhouseCoopers LLP, independent registered public accounting firm.				
24.1*	Power of Attorney (included on the signature page of this Annual Report on Form 10-K).				
31.1*	Certification of Periodic Report by Chief Executive Officer under Section 302 of the Sarbanes-Oxley Act of 2002.				
31.2*	Certification of Periodic Report by Chief Financial Officer under Section 302 of the Sarbanes-Oxley Act of 2002.				
32.1*	Certification of Chief Executive Officer and Chief Financial Officer Pursuant to 18 U.S.C. Section 1350 as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.				
97.1	JELD-WEN Holding, Inc. Incentive Compensation Clawback Policy.	10-K	001-38000	97.1	February 20, 2024
101.INS*	Inline XBRL Instance Document.				
101.SCH*	Inline XBRL Taxonomy Extension Schema Document.				
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document.				
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document.				
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document.				
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document.				
104	Cover Page Interactive Data File (formatted in Inline XBRL and contained in Exhibit 101).				

* Filed herewith.

+ Indicates management contract or compensatory plan.

Item 16 - Form 10-K Summary

None.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this Form 10-K to be signed on its behalf by the undersigned, thereunto duly authorized.

JELD-WEN HOLDING, INC.

(Registrant)

By: /s/ Julie Albrecht Samantha L. Stoddard

Julie Albrecht Samantha L. Stoddard

Executive Vice President and Chief Financial Officer

Date: **February 20, 2024** February 20, 2025

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints **Julie Albrecht Samantha L. Stoddard** and **James S. Hayes**, jointly and severally, his or her attorney-in-fact, with the power of substitution, for him or her in any and all capacities, to sign any amendments to this Annual Report on Form 10-K and to file the same, with exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, hereby ratifying and confirming all that each of said attorneys-in-fact, or his or her substitute or substitutes, may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities and Exchange Act of 1934, this Annual Report on Form 10-K has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ William J. Christensen</u> William J. Christensen	Chief Executive Officer and Director (Principal Executive Officer)	February 20, 2024 2025
<u>/s/ Julie Albrecht Samantha L. Stoddard</u> Julie Albrecht Samantha L. Stoddard	Chief Financial Officer (Principal Financial Officer)	February 20, 2024 2025
<u>/s/ Michael A. Leon</u> Michael A. Leon	Chief Accounting Officer (Principal Accounting Officer)	February 20, 2024 2025
<u>/s/ David G. Nord</u> David G. Nord	Chair	February 20, 2024 2025
<u>/s/ Antonella B. Franzen</u> Antonella B. Franzen	Director	February 20, 2025
<u>/s/ Catherine A. Halligan</u> Catherine A. Halligan	Director	February 20, 2024 2025
<u>/s/ Michael F. Hilton</u> Michael F. Hilton	Director	February 20, 2024 2025
<u>/s/ Tracey I. Joubert</u> Tracey I. Joubert	Director	February 20, 2024 2025
<u>/s/ Cynthia Marshall</u> Cynthia Marshall	Director	February 20, 2024
<u>/s/ Suzanne Stefany Cynthia G. Marshall</u> Suzanne Stefany Cynthia G. Marshall	Director	February 20, 2024 2025

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<u>Signature</u>	<u>Title</u>	<u>Date</u>
/s/ Bruce M. Taten	Director	February 20, 2024 2025
Bruce M. Taten		
/s/ Roderick C. Wendt	Director	February 20, 2024 2025
Roderick C. Wendt		
/s/ Steven E. Wynne	Director	February 20, 2024 2025
Steven E. Wynne		

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Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders of JELD-WEN Holding, Inc.

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of JELD-WEN Holding, Inc. and its subsidiaries (the "Company" "Company") as of **December 31, 2023** **December 31, 2024** and **2022**, **2023**, and the related consolidated statements of operations, of comprehensive (loss) income, (loss), of equity and of cash flows for each of the three years in the period ended **December 31, 2023** **December 31, 2024**, including the related notes (collectively referred to as the "consolidated" "consolidated financial statements" statements"). We also have audited the Company's internal control over financial reporting as of **December 31, 2023** **December 31, 2024**, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of **December 31, 2023** **December 31, 2024** and **2022**, **2023**, and the results of its operations and its cash flows for each of the three years in the period ended **December 31, 2023** **December 31, 2024** in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of **December 31, 2023** **December 31, 2024**, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

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Critical Audit Matters

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

As described in Notes 1 and 6 to the consolidated financial statements, the Company's consolidated goodwill balance was \$390.2 million as of December 31, 2023 December 31, 2024, and the goodwill associated with the Europe and North America reporting unit was \$207.8 million. The units were \$134.1 million and \$181.0 million, respectively. Management tests goodwill for impairment on an annual basis during the fourth quarter and between annual tests if indicators of potential impairment exist. During the third quarter of 2024, management determined that a triggering event occurred requiring an interim goodwill impairment test for the Europe reporting unit as of September 28, 2024. Based upon the results of the interim impairment assessment, management concluded the carrying value of the Europe reporting unit exceeded its fair value and recorded a goodwill impairment charge of \$63.4 million. Management performed the annual impairment assessments during the fourth quarter and quantitatively determined that the fair value of the North America reporting unit exceeded its net carrying amount and no goodwill impairment existed. Management estimates the fair value of reporting units using a combination of the income and market approaches. Under the income approach, the fair value of a reporting unit is based on a discounted cash flow analysis that contains significant assumptions and estimates including revenue growth rates, expected EBITDA margins, discount rates, capital expenditures, income tax rates, and terminal growth rates.

The principal considerations for our determination that performing procedures relating to the interim goodwill impairment assessment for the Europe reporting unit and the annual goodwill impairment assessment for the North America reporting unit is a critical audit matter are (i) the significant judgment by management when developing the fair value estimate estimates of the Europe and North America reporting unit; (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating management's significant assumptions related to (a) revenue growth rates, expected EBITDA margins, discount rates, and terminal growth rates for the discount rate, Europe and North America reporting units and (b) the capital expenditures and income tax rates for the terminal growth rate; Europe reporting unit; and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's annual goodwill impairment assessment, including controls over the valuation of the Europe and North America reporting unit. These procedures included, among others (i) testing management's process for developing the fair value estimate estimates of the Europe and North America reporting unit; (ii) evaluating the appropriateness of the discounted cash flow analysis analyses used by management; (iii) testing the completeness and accuracy of underlying data used in the discounted cash flow analysis; and (iv) evaluating the reasonableness of the significant assumptions used by management related to (a) revenue growth rates, expected EBITDA margins, discount rates, and terminal growth rates for the discount rate, Europe and North America reporting units and (b) the capital expenditures and income tax rates for the terminal growth rate, Europe reporting unit. Evaluating management's assumptions related to (a) revenue growth rates and expected EBITDA margins for the Europe and North America reporting units and (b) the capital expenditures and income tax rates for the Europe reporting unit involved evaluating whether the assumptions used by management were reasonable considering (i) the current and past performance of the Europe and North America reporting unit; (ii) the consistency with external market and industry data; and (iii) whether these assumptions were consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in evaluating (i) the appropriateness of the discounted cash flow analysis analyses and (ii) the reasonableness of assumptions related to the discount rate rates and terminal growth rate assumptions.

rates.

/s/ PricewaterhouseCoopers LLP
Charlotte, North Carolina
February 20, 2024

2025

We have served as the Company's auditor since 2000.

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Item 1 - Financial Statements

JELD-WEN HOLDING, INC. CONSOLIDATED STATEMENTS OF OPERATIONS

For the Years Ended December 31,	For the Years Ended December 31,	For the Years Ended December 31,
(amounts in thousands, except share and per share data)		
(amounts in thousands, except share and per share data)	Year Ended December 31,	Year Ended December 31,
	Year Ended December 31,	Year Ended December 31,

(amounts in thousands, except share and per share data)	2023	2022	2021 (amounts in thousands, except share and per share data)	2024	2023	2022
Net revenues						
Cost of sales						
Gross margin						
Selling, general and administrative						
Selling, general and administrative						
Selling, general and administrative						
Goodwill impairment (Note 6)						
Restructuring and asset related charges (Note 19)						
Operating income						
Interest expense, net (Note 21)						
Interest expense, net (Note 21)						
Interest expense, net (Note 21)						
Loss on extinguishment of debt (Note 12)						
Restructuring and asset-related charges (Note 19)						
Operating (loss) income						
Interest expense, net						
Loss on extinguishment and refinancing of debt (Note 12)						
Other income, net (Note 22)						
Other income, net (Note 22)						
Other income, net (Note 22)						
Income from continuing operations before taxes						
(Loss) income from continuing operations before taxes						
Income tax expense (Note 15)						
Income from continuing operations, net of tax						
Gain on sale of discontinued operations, net of tax (Note 2)						
(Loss) income from continuing operations, net of tax						
(Loss) gain on sale of discontinued operations, net of tax (Note 2)						
Income from discontinued operations, net of tax (Note 2)						
Net income						
Net (loss) income						
Weighted average common shares outstanding (Note 17):						
Weighted average common shares outstanding (Note 17):						
Weighted average common shares outstanding (Note 17):						
Basic						
Basic						
Basic						
Diluted						
Net income per share from continuing operations						
Net (loss) income per share from continuing operations						
Basic						
Basic						
Basic						
Diluted						
Net income per share from discontinued operations						
Net (loss) income per share from discontinued operations						
Basic						
Basic						
Basic						
Diluted						
Net income per share						

Net (loss) income per share

Basic
Basic
Basic
Diluted

Net income per share may not sum due to rounding.

The accompanying notes are an integral part of these Consolidated Financial Statements.

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JELD-WEN HOLDING, INC.
CONSOLIDATED STATEMENTS OF COMPREHENSIVE (LOSS) INCOME (LOSS)

(amounts in thousands)	For the Years Ended December 31,		
	2023	2022	2021
Net income	\$ 62,445	\$ 45,727	\$ 168,822
Other comprehensive income (loss), net of tax:			
Foreign currency translation adjustments, net of tax expense (benefit) of \$2,301, \$1,502, and \$4,096, respectively	45,859	(71,811)	(77,904)
Interest rate hedge adjustments, net of tax (benefit) expense of \$(4,076), \$3,268, and \$1,302, respectively	(12,159)	9,668	3,850
Defined benefit pension plans, net of tax expense of \$3,287, \$4,104, and \$13,226, respectively	13,624	13,255	39,001
Total other comprehensive income (loss), net of tax	47,324	(48,888)	(35,053)
Comprehensive income (loss)	\$ 109,769	\$ (3,161)	\$ 133,769

(amounts in thousands)	Year Ended December 31,		
	2024	2023	2022
Net (loss) income	\$ (189,020)	\$ 62,445	\$ 45,727
Other comprehensive (loss) income, net of tax:			
Foreign currency translation adjustments, net of tax (benefit) expense of \$(34), \$2,301 and \$1,502, respectively.	(37,336)	45,859	(71,811)
Foreign currency hedge adjustments, net of tax expense of \$23, \$0 and \$0, respectively.	314	—	—
Interest rate hedge adjustments, net of tax (benefit) expense of \$(35), \$(4,076) and \$3,268, respectively.	(103)	(12,159)	9,668
Defined benefit pension plans, net of tax expense of \$2,462, \$3,287 and \$4,104, respectively.	2,940	13,624	13,255
Total other comprehensive (loss) income, net of tax	(34,185)	47,324	(48,888)
Comprehensive (loss) income	\$ (223,205)	\$ 109,769	\$ (3,161)

The accompanying notes are an integral part of these Consolidated Financial Statements.

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JELD-WEN HOLDING, INC.
CONSOLIDATED BALANCE SHEETS

(amounts in thousands, except share and per share data)	(amounts in thousands, except share and per share data)		(amounts in thousands, except share and per share data)	
	December 31, 2023	December 31, 2022	December 31, 2024	December 31, 2023
ASSETS				
Current assets				



Shareholders' equity
Preferred Stock, par value \$0.01 per share, 90,000,000 shares authorized; no shares issued and outstanding
Preferred Stock, par value \$0.01 per share, 90,000,000 shares authorized; no shares issued and outstanding
Preferred Stock, par value \$0.01 per share, 90,000,000 shares authorized; no shares issued and outstanding
Common Stock: 900,000,000 shares authorized, par value \$0.01 per share, 85,309,220 and 84,347,712 shares issued and outstanding as of December 31, 2023 and December 31, 2022, respectively.
Common Stock: 900,000,000 shares authorized, par value \$0.01 per share, 84,653,408 and 85,309,220 shares issued and outstanding, respectively
Additional paid-in capital
Retained earnings
(Accumulated deficit) retained earnings
Accumulated other comprehensive loss
Total shareholders' equity
Total liabilities and shareholders' equity

The accompanying notes are an integral part of these Consolidated Financial Statements.

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JELD-WEN HOLDING, INC.
CONSOLIDATED STATEMENTS OF EQUITY

	December 31, 2023		December 31, 2023		December 31, 2023		December 31, 2022		December 31, 2022		December 31, 2021	
	December 31, 2024		December 31, 2024		December 31, 2024		December 31, 2023		December 31, 2023		December 31, 2022	
	(amounts in thousands, except share and per share amounts)		Shares		Amount		Shares		Amount		Shares	
Preferred stock, \$0.01 par value per share												
Common stock, \$0.01 par value per share												
Balance at beginning of period												
Shares issued for exercise/vesting of share- based compensation awards												
Shares issued for exercise/vesting of share- based compensation awards												
Shares issued for exercise/vesting of share- based compensation awards												
Shares repurchased												

Shares surrendered for tax obligations for employee share-based transactions	
Shares surrendered for tax obligations for employee share-based transactions	
Shares surrendered for tax obligations for employee share-based transactions	
Shares surrendered for tax obligations for employee share-based transactions	
Balance at period end	
Balance at period end	
Balance at period end	
Additional paid-in capital	
Additional paid-in capital	
Additional paid-in capital	
Balance at beginning of period	
Balance at beginning of period	
Balance at beginning of period	
Shares issued for exercise/vesting of share-based compensation awards	
Shares issued for exercise/vesting of share-based compensation awards	
Shares issued for exercise/vesting of share-based compensation awards	
Shares issued for exercise/vesting of share-based compensation awards	
Shares surrendered for tax obligations for employee share-based transactions	
Shares surrendered for tax obligations for employee share-based transactions	
Shares surrendered for tax obligations for employee share-based transactions	
Amortization of share-based compensation	
Amortization of share-based compensation	
Amortization of share-based compensation	
Balance at period end	
Employee stock notes	
Employee stock notes	
Employee stock notes	
Balance at beginning of period	
Balance at beginning of period	
Balance at beginning of period	
Net issuances, payments and accrued interest on notes	
Balance at period end	
Balance at period end	
Retained earnings	
(Accumulated deficit)	
retained earnings	
Balance at beginning of period	
Balance at beginning of period	
Balance at beginning of period	
Shares repurchased	
Net income	
Net (loss) income	
Net income	
Net (loss) income	
Net income	
Net (loss) income	
Balance at period end	
Accumulated other comprehensive income (loss)	

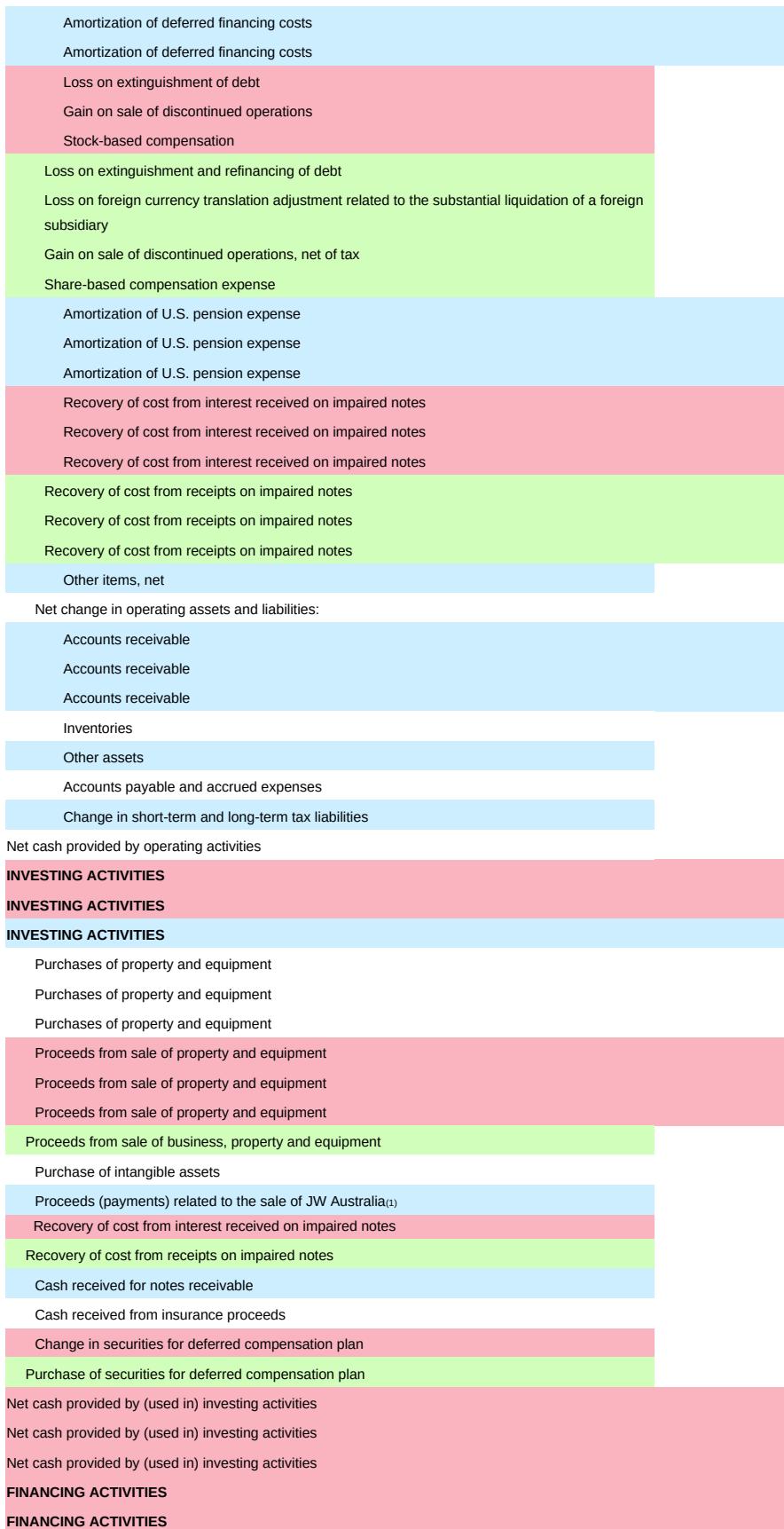
Accumulated other comprehensive loss
Balance at beginning of period
Balance at beginning of period
Balance at beginning of period
Foreign currency adjustments
Unrealized (loss) gain on interest rate hedges
Unrealized (loss) gain on interest rate hedges
Unrealized gain on foreign currency hedges
Unrealized (loss) gain on interest rate hedges
Net actuarial pension gain
Balance at period end
Total shareholders' equity at period end
Total shareholders' equity at period end
Total shareholders' equity at period end

The accompanying notes are an integral part of these Consolidated Financial Statements

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**JELD-WEN HOLDING, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS**

		For the Years Ended December 31,		
		For the Years Ended December 31,	For the Years Ended December 31,	For the Years Ended December 31,
		Year Ended December 31,		
	(amounts in thousands)	(amounts in thousands)	December 31, 2023	December 31, 2022
				(amounts in thousands)
OPERATING ACTIVITIES				
Net income				
Net income				
Net income				
Adjustments to reconcile net income to cash provided by (used in) operating activities:				
Net (loss) income				
Net (loss) income				
Net (loss) income				
Adjustments to reconcile net income to cash provided by operating activities:				
Depreciation and amortization				
Depreciation and amortization				
Depreciation and amortization				
Deferred income taxes				
Net (gain) loss on disposition of assets				
Net gain on sale of business, property and equipment				
Goodwill impairment				
Adjustment to carrying value of assets				
Amortization of deferred financing costs				



Net cash (used in) provided by investing activities
Net cash (used in) provided by investing activities
Net cash (used in) provided by investing activities
FINANCING ACTIVITIES
Change in long-term debt and payments of debt extinguishment costs
Change in long-term debt and payments of debt extinguishment costs
Change in long-term debt and payments of debt extinguishment costs
Common stock issued for exercise of options
Common stock issued for exercise of options
Common stock issued for exercise of options
Common stock repurchased
Payments to tax authorities for employee share-based compensation
Payments related to the sale of JW Australia
Payments related to the sale of JW Australia
Payments related to the sale of JW Australia
Net cash used in financing activities
Effect of foreign currency exchange rates on cash
Net increase (decrease) in cash and cash equivalents
Net (decrease) increase in cash and cash equivalents
Cash, cash equivalents and restricted cash, beginning
Cash, cash equivalents and restricted cash, ending
Balances included in the Consolidated Balance Sheets:
Cash, cash equivalents, and restricted cash
Cash, cash equivalents, and restricted cash
Cash, cash equivalents, and restricted cash
Cash and cash equivalents included in current assets of discontinued operations
Cash and cash equivalents at end of period
For further information see Note 27 - <i>Supplemental Cash Flow</i> .
Cash flows from discontinued operations through the divestiture date of July 2, 2023 are included in the above amounts and explained in
Note 1 — <i>Basis of Presentation</i> and Note 2 — <i>Discontinued Operations</i> .
Cash flows from discontinued operations through the divestiture date of July 2, 2023 are included in the above amounts and explained in
Note 1 — <i>Basis of Presentation</i> and Note 2 — <i>Discontinued Operations</i> .
Cash flows from discontinued operations through the divestiture date of July 2, 2023 are included in the above amounts and explained in
Note 1 — <i>Basis of Presentation</i> and Note 2 — <i>Discontinued Operations</i> .

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(1) Includes proceeds from the sale of JW Australia, net of the \$73.9 million of cash divested.

Cash, cash equivalents, and restricted cash	\$	151,047	\$	289,147	\$	165,938
Cash and cash equivalents included in current assets of discontinued operations		—		—		54,930
Cash and cash equivalents at end of period	\$	151,047	\$	289,147	\$	220,868

Refer to Note 27 - *Supplemental Cash Flow* for more information.

Cash flows from discontinued operations through the divestiture date of July 2, 2023, are included in the above amounts and explained in Note 1 — *Description of Company and Summary of Significant Accounting Policies* and Note 2 — *Discontinued Operations*.

(1) Includes proceeds from the sale of JW Australia, net of the \$73.9 million of cash divested.

The accompanying notes are an integral part of these Consolidated Financial Statements.

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JELD-WEN HOLDING, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Note 1. Description of Company and Summary of Significant Accounting Policies

Nature of Business – JELD-WEN Holding, Inc., along with its subsidiaries, is a vertically integrated global manufacturer and distributor of windows, doors, and other building products that derives substantially all its revenues from the sale of its door and window products. Unless otherwise specified or the context otherwise requires, all references in these notes to “JELD-WEN,” “we,” “us,” “our,” or the “Company” are to JELD-WEN Holding, Inc. and its subsidiaries.

We have facilities primarily located in the U.S., Canada, and Europe. Our products are marketed primarily under the JELD-WEN brand name in the U.S. and Canada and under JELD-WEN and a variety of acquired brand names in Europe.

Our revenues are affected by the level of new housing starts, residential and non-residential building construction, and repair and remodeling activity in each of our markets. Our sales typically follow seasonal new construction and repair and remodeling industry patterns. The peak season for home construction and remodeling in many of our markets generally corresponds with the second and third calendar quarters, and therefore, sales volume is typically higher during those quarters. Our first and fourth quarter sales volumes are generally lower due to reduced repair and remodeling activity and reduced activity in the building and construction industry as a result of colder and more inclement weather in certain areas of our geographic end markets.

Basis of Presentation – The accompanying consolidated financial statements have been prepared in accordance with GAAP and pursuant to the rules and regulations of the SEC. All intercompany balances and transactions have been eliminated in consolidation.

On April 17, 2023, we entered into a Share Sale Agreement with Aristotle Holding III Pty Limited, a subsidiary of Platinum Equity Advisors, LLC, to sell our Australasia business (“JW Australia”). Australia. On July 2, 2023, we completed the sale. The net assets and operations of the disposal group met the criteria to be classified as “discontinued operations” and are reported as such in all periods presented unless otherwise noted. The consolidated statements of cash flows include cash flows from discontinued operations through the divestiture date of July 2, 2023. See Refer to Note 2 - *Discontinued Operations* for further more information.

All U.S. dollar and other currency amounts, except per share amounts, are presented in thousands unless otherwise noted.

Share Repurchases – On July 27, 2021 July 28, 2022, the Board of Directors increased the reduced our previous repurchase authorization under our existing share repurchase program of \$400.0 million to a total of \$400.0 million with no expiration date. On July 28, 2022, our Board of Directors authorized a new share repurchase program, replacing our previous share repurchase authorization, with an aggregate value of \$200.0 million and with no expiration date. As of December 31, 2023 December 31, 2024, there have been no share repurchases \$175.7 million was remaining under this the repurchase program.

During the years ended December 31, 2024 and 2022, we paid \$24.3 million and \$132.0 million to repurchase 1,600,000 and 6,848,356 shares of our Common Stock, respectively. We did not repurchase shares of our Common Stock during the year ended December 31, 2023. During the years ended December 31, 2022 and December 31, 2021, we paid \$132.0 million and \$323.7 million, respectively, Refer to repurchase 6,848,356 and 11,564,009 shares of our Common Note 16 - Capital Stock respectively, for more information.

Fiscal Year – We operate on a fiscal calendar year, and each interim quarter is comprised of two 4-week periods and one 5-week period, with each week ending on a Saturday. Our fiscal year always begins on January 1 and ends on December 31. As a result, our first and fourth quarters may have more, or fewer days included than a traditional 91-day fiscal quarter.

Use of Estimates – The preparation of consolidated financial statements in conformity with GAAP requires management to make estimates, assumptions, and allocations that affect amounts reported in the consolidated financial statements and related notes. Significant items that are subject to such estimates and assumptions include, but are not limited to, long-lived assets including goodwill and other intangible assets, employee benefit obligations, income tax uncertainties, contingent assets and liabilities, provisions for bad debt, inventory, warranty liabilities, legal claims, valuation of derivatives, environmental remediation, and claims relating to self-insurance. Actual results could differ due to the uncertainty inherent in the nature of these estimates.

CARES Act – In March 2020, the United States government enacted the CARES Act to provide certain relief as a result of the COVID-19 pandemic. The CARES Act provided for tax relief, along with other stimulus measures, including a provision that allowed employers to defer the remittance of the employer portion of social security tax relating to 2020. The Company deferred \$20.9 million of the employer portion of social security tax in 2020, all of which was paid in the year ended December 31, 2022. The CARES Act also included a provision for an ERC designed to encourage businesses to retain employees during the COVID-19 pandemic. During the years ended December 31, 2024 and 2022 no ERC was recorded. During the year ended December 31, 2023, we recorded an ERC from the

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U.S. government of \$6.1 million in other income, net in the accompanying consolidated statements of operations. The balance is included in other current assets in the accompanying consolidated balance sheets as of December 31, 2023, December 31, 2024 and 2023.

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Segment Reporting – Our reportable segments are organized and managed principally by geographic region: North America and Europe. We report all other business activities in Corporate and unallocated costs. We consider the following factors in determining the reportable segments: the nature of business activities, the management structure accountable directly to the CODM, the discrete financial information regularly reviewed by provided to the CODM, and information presented to the Board of Directors and investors. The CODM is the CEO. No operating segments have been aggregated for our presentation of reportable segments.

Cash and Cash Equivalents – We consider all highly-liquid investments purchased with an original or remaining maturity at the date of purchase of ninety days or less to be cash equivalents. Our cash management system is designed to maintain zero bank balances at certain banks. Checks written and not presented to these banks for payment are reflected as book overdrafts and are a component of accounts payable.

Restricted Cash – Restricted cash consists primarily of cash required to meet certain bank guarantees.

Accounts Receivable – Accounts receivable are recorded at their net realizable value. Our customers are primarily retailers, distributors, and contractors. Two customers, The Home Depot and Lowe's Companies, each accounted for more than 10% of the consolidated accounts receivable, net balance as of **December 31, 2023** **December 31, 2024** and **December 31, 2022**. **2023**. We maintain allowances for credit losses resulting from the inability of our customers to make required payments. We estimate the allowance for credit losses based on quantitative and qualitative factors associated with the credit risk of our accounts receivable, including historical credit collections within each region where we have operations. If the financial condition of a customer deteriorates or other circumstances occur that result in an impairment of a customer's ability to make payments, we record additional allowances as needed. We write off uncollectible trade accounts receivable against the allowance for credit losses when collection efforts have been exhausted and/or any legal action taken by us has concluded.

Inventories – Inventories in the accompanying consolidated balance sheets are valued at the lower of cost or net realizable value and are determined by the **first-in, first-out** ("FIFO") FIFO or average cost methods. We record provisions to **write-down** **write down** obsolete and excess inventory to its estimated net realizable value. The process for evaluating obsolete and excess inventory requires us to evaluate historical inventory usage and expected future production needs. Accelerating the disposal process or incorrect estimates may cause actual results to differ from the estimates at the time such inventory is disposed or sold. We classify certain inventories that are available for sale directly to external customers or used in the manufacturing of a finished good within raw materials.

Notes Receivable – Notes receivable are recorded at their net realizable value. The balance consists primarily of installment notes and affiliate notes. The allowance for credit losses is based upon credit risks, historical loss trends, and specific reviews of delinquent notes. We write off uncollectible note receivables against the allowance for credit losses when collection efforts have been exhausted and/or any legal action taken by us has been concluded. Current maturities and interest, net of short-term allowance are reported as other current assets.

Customer Displays – Customer displays include all costs to manufacture, ship, and install the displays of our products in retail store locations. Capitalized display costs are included in other assets and are amortized over the life of the product lines, typically 1 to 3 years. For the years ended December 31, 2024, 2023 and 2022, amortization associated with customer displays were \$5.8 million, \$3.9 million and \$1.4 million, respectively, and are included in SG&A expense in the accompanying consolidated statements of operations and was \$3.9 million in 2023, \$1.4 million in 2022, and \$3.0 million in 2021. operations.

Cloud Computing Arrangements – We capitalize qualified cloud computing implementation costs associated with the application development stage and subsequently amortize these costs over the term of the hosting agreement and stated renewal period, if it is reasonably certain we will renew, typically 3 to 5 years. Capitalized costs are included in other assets on the consolidated balance sheet and amortization is included in SG&A expense in the accompanying consolidated statement of operations.

Property and Equipment – Property and equipment are recorded at cost. The cost of major additions and betterments are capitalized and depreciated using the straight-line method over their estimated useful lives. Replacements, maintenance, and repairs that do not improve or extend the useful lives of the related assets or adapt the property to a new or different use are expensed as incurred. Interest over the construction period is capitalized as a component of cost of constructed assets. Upon sale or retirement of property or equipment, cost and related accumulated depreciation are removed from the accounts and any gain or loss is charged to income and included in SG&A expense in the accompanying statements of operations.

Leasehold improvements are amortized over the shorter of the useful life of the improvement, the lease term, or the life of the building. Depreciation is generally provided over the following estimated useful service lives:

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Land improvements	10 - 20 years
Buildings and improvements	10 - 45 years
Machinery and equipment	3 - 20 years

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Intangible Assets – Definite lived intangible assets are amortized based on the pattern of economic benefit over the following estimated useful lives:

Trademarks and trade names	10 - 40 years
Software	3 - 10 years
Patents, licenses and rights	5 - 25 years
Customer relationships	5 - 20 years

The lives of definite lived intangible assets are reviewed and reduced if necessary, whenever changes in their planned use occur. Legal and registration costs related to **internally-developed** **internally developed** patents and trademarks are capitalized and amortized over the lesser of their expected useful life or the legal patent life. The carrying value

of intangible assets is reviewed by management to assess the recoverability of the assets when facts and circumstances indicate that the carrying value may not be recoverable. The recoverability test requires us to first compare undiscounted cash flows expected to be generated by that definite lived intangible asset or asset group to its carrying amount. If the carrying amounts of the definite lived intangible assets are not recoverable on an undiscounted cash flow basis, an impairment charge is recognized to the extent that the carrying amount exceeds its fair value. Fair value is determined through various valuation techniques.

Our valuation of identifiable intangible assets acquired is based on information and assumptions available to us at the time of acquisition, using income and market approaches to determine fair value. We do not amortize indefinite-lived intangible assets, but test for impairment annually, or when indications of potential impairment exist. For intangible assets other than goodwill, if the carrying value exceeds the fair value, we recognize an impairment loss in an amount equal to the excess. No impairments were identified during the years ended December 31, 2023, December 31, 2022 and December 31, 2021.

We capitalize certain qualified internal use software costs during the application development stage and subsequently amortize these costs over the estimated useful life of the asset. Costs incurred during the preliminary project stage and post-implementation operation stage are expensed as incurred.

Long-Lived Assets – Long-lived assets, other than goodwill, are reviewed for impairment whenever events or changes in circumstances indicate the carrying amount of such assets or asset groups may not be recoverable. If a triggering event is identified, we perform an impairment test by reviewing the expected undiscounted cash flows generated from the anticipated use and eventual disposition of the asset group compared to the carrying value of the asset group. If the expected undiscounted cash flows are less than the carrying value of the asset group, then an impairment charge is required to reduce the carrying value of the asset group to fair value. Long-lived assets currently available for sale and expected to be sold within one year are classified as assets held for sale.

Leases – We lease certain warehouses, distribution centers, office spaces, land, vehicles, and equipment. We determine if an arrangement is a lease at inception. A contract contains a lease if the contract conveys the right to control the use of identified property, plant, or equipment (an identified asset) for a period of time in exchange for consideration. Amounts associated with operating leases are included in **operating lease ROU assets**, ("ROU assets"), net, accrued expense and other current liabilities and operating lease liability in our consolidated balance sheet. Amounts associated with finance leases are included in property and equipment, net, current maturities of long-term debt, and long-term debt in our consolidated balance sheet.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. ROU assets and liabilities are recognized at the lease commencement date based on the estimated present value of lease payments over the lease term.

If the lease does not provide an implicit rate, we use our incremental borrowing rate based on the information available at the lease commencement date in determining the present value of lease payments. The incremental borrowing rate for operating leases that commenced in the period is determined by using the prior quarter end's incremental borrowing rates.

We have elected not to recognize an ROU asset and lease liability for leases with an initial term of twelve months or less as well as any lease covering immaterial assets. We recognize lease expense for these leases on a straight-line basis over the lease term. Variable lease payments that are dependent on usage, output, or may vary for other reasons, are excluded from lease payments in the measurement of the ROU asset and lease liability and accordingly are recognized as lease expense in the period the obligation for those payments is incurred. We combine lease and non-lease components for all agreements, **with the exception of except for building leases**.

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Certain leases include renewal and/or termination options, with renewal terms that can extend the lease term from 1 to 20 years or more, and the exercise of lease renewal options under these leases is at our sole discretion. These options are included in the lease term used to determine ROU assets and corresponding liabilities when we are reasonably certain we will exercise the option. The depreciable life of assets and leasehold improvements are limited by the expected lease term. Our lease agreements do not contain any material residual value guarantees or material restrictive covenants.

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Goodwill – Goodwill is tested for impairment on an annual basis during the fourth quarter and between annual tests if indicators of potential impairment exist. Current accounting guidance provides an entity **with** the option to perform a qualitative assessment to determine whether it is **more-likely-than-not** **more likely than not** that the fair value of a reporting unit is less than its carrying amount. If we do not perform a qualitative assessment, or if we determine that it is more likely than not that the fair value of the reporting unit is less than its carrying amount, we perform a quantitative goodwill impairment test. Prior to 2023, the estimated fair values of reporting units were derived using only an income approach (implied fair value measured on a non-recurring basis using **Level 3** inputs). Beginning in 2023, the estimated fair values of our reporting units were derived using a combination of income and market approaches, both of which yielded substantially equivalent indications of fair value. Absent an indication of fair value from a potential buyer or similar specific transactions, we believe that the use of these methods provides a reasonable estimate of a reporting unit's fair value. Fair value computed by these models is arrived at using **a number of several** factors and inputs. There are inherent uncertainties, however, related to fair value models, the inputs, factors and our judgment in applying them to this analysis. Nonetheless, we believe that the combination of these methods provides a reasonable approach to estimate the fair values of our reporting units.

Under the income approach, the fair value of a reporting unit is based on a discounted cash flow analysis of management's short-term and long-term forecast of operating performance. This analysis contains significant assumptions and estimates including revenue growth rates, expected EBITDA margins, discount rates, capital expenditures, **income tax rates**, and terminal growth rates. Under the market approach, we utilized a guideline company method in which the fair value of the reporting unit is based on weighting the financial multiples of comparable companies and applying a control premium. Changes in assumptions or estimates used in our goodwill impairment testing could materially affect the determination of the fair value of a reporting unit, and therefore, could eliminate the excess of fair value over carrying amount of a reporting unit and, in some cases, could result in impairment. Such changes in assumptions could be caused by items such as **prolonged deterioration in economic conditions**, a **further decline in projected future cash flows**, loss of one or more significant customers, **decline in the demand for our products due to changing economic conditions**, or **failure to control cost increases above what can be recouped in sale price increases, increase, or increases in the discount rates**. These types of changes would negatively affect our profits, revenues, and growth over the long term and such a decline could significantly affect the fair value assessment of our reporting units and cause our goodwill to become impaired.

We identified two reporting units for the purpose of conducting our goodwill impairment review: units: North America and Europe and applied a quantitative approach to both reporting units. In determining our reporting units, we considered (i) whether an operating segment or a component of an operating segment was a business, (ii) whether discrete financial information was available, and (iii) whether the financial information is regularly reviewed by management of the operating segment.

Deferred Revenue – We record deferred revenue when we collect pre-payments from customers for performance obligations we expect to fulfill through future performance of a service or delivery of a product. We classify our deferred revenue based on our estimate as to when we expect to satisfy the related performance obligations. Deferred revenues are included in accrued expenses and other current liabilities in the accompanying consolidated balance sheets.

Warranty Accrual – Warranty terms range primarily from one year to lifetime on certain window and door components. Warranties are normally limited to replacement or service of defective components for the original customer. Some warranties are transferable to subsequent owners and are generally limited to ten years from the date of manufacture or require pro-rata payments from the customer. A provision for estimated warranty costs is recorded at the time of sale based on historical experience and we periodically adjust these provisions to reflect actual experience.

Restructuring – Costs to exit or restructure certain activities of an acquired company or our internal operations are accounted for as one-time termination and exit costs as required by the provisions of FASB ASC 420, *Exit or Disposal Cost Obligations*, and are accounted for separately from any business combination. A liability for costs associated with an exit or disposal activity is recognized and measured at its fair value in our consolidated statements of operations in the period in which the liability is incurred. When estimating the fair value of restructuring activities, assumptions are applied, which can differ materially from actual results. This may require us to revise our initial estimates, which may materially affect our results of operations and financial position in the period the revision is made.

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Derivative Financial Instruments – Derivative financial instruments are used to manage interest rate risk associated with our borrowings, exposures to certain commodities associated with our material costs and foreign currency exposures related to transactions denominated in currencies other than the U.S. dollar, or in the case of our non-U.S. companies, transactions denominated in a currency other than their functional currency. All derivatives are recorded as assets or liabilities in the consolidated balance sheets at their respective fair values. As of December 31, 2023 December 31, 2024, December 31, 2022 2023 and December 31, 2021, 2022, we had netting provisions in certain agreements with our counterparties. We have elected to not offset the fair values of derivative assets and liabilities executed with the same counterparty that are generally subject to enforceable netting agreements. Changes in a derivative's fair value are recognized in earnings unless specific hedge criteria are met, and we elect hedge accounting prior to entering into the

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hedge. If a derivative is designated as a fair value hedge, the changes in fair value of both the derivative and the hedged item attributable to the hedged risks are recognized in the same line item in the results of operations. If the derivative is designated as a cash flow or net investment hedge, changes in the fair value related to the derivatives considered highly effective are initially recorded in accumulated other comprehensive income (loss) and subsequently classified to the consolidated statements of operations when the hedged item impacts earnings, and in the same line item on the consolidated statements of operations as the impact of the hedge transaction. Cash flows from all derivative instruments, including those not designated as hedging instruments, are classified in the same category as the cash flows from the item being hedged.

At the inception of a fair value, cash flow hedge or net investment hedge we formally document the hedge relationship and the risk management objective for undertaking the hedge. In addition, for derivatives that qualify for hedge accounting, we assess, both at inception of the hedge and on an ongoing basis, whether the derivative financial instrument is and will continue to be highly effective in offsetting cash flows or fair value of the hedged item and whether it is probable that the hedged forecasted transaction will occur. Changes in the fair value of derivatives that do not qualify for hedge accounting, or fail to meet the criteria, thereafter, are also recognized in the consolidated statements of operations. See Refer to Note 24 - *Fair Value of Financial Instruments* for additional more information on the fair value of our derivative assets and liabilities.

Revenue Recognition – Revenue is recognized when obligations under the terms of a contract with our customer are satisfied. Generally, this occurs with the transfer of control of our products or services. The transfer of control to the customer occurs at a point in time, usually upon satisfaction of the shipping terms within the contract. Revenue is measured as the amount of consideration we expect to receive in exchange for transferring goods or providing services. The taxes we collect are concurrent with revenue-producing activities (e.g., sales tax, value-added tax, and other taxes) are excluded from revenue.

Shipping and handling costs are treated as fulfillment costs and are not considered a separate performance obligation. Shipping and handling costs charged to customers and the related expenses are reported in revenues and cost of sales for all customers. The expected costs associated with our base warranties and field service actions continue to be recognized as expense when the products are sold (see sold. Refer to Note 11 - *Warranty Liability*). for more information. Since payment is due at or shortly after the point of sale, the contract asset is classified as a receivable.

We do not adjust the promised amount of consideration for the effects of a significant financing component when we expect, at contract inception, that the period between our transfer of a promised product or service to a customer and when the customer pays for that product or service will be one year or less. We do not typically include extended payment terms in our contracts with customers. Incidental items that are immaterial in the context of the contract are recognized as expense.

We disaggregate revenues based on geographical location. See Refer to Note 14 - *Segment Information* for further more information on disaggregated revenue.

Advertising Costs – All costs of advertising our products and services are charged to expense as incurred. Advertising For the years ended December 31, 2024, 2023 and 2022, advertising and promotion expenses were \$27.9 million, \$30.1 million and \$27.1 million, respectively, and are included in SG&A expenses were \$30.1 million expense in 2023, \$27.1 million in 2022, and \$25.8 million in 2021, the accompanying consolidated statements of operations.

Net Interest Expense and Extinguishment of Debt Costs – We record debt extinguishment costs separately from interest expense, net within the consolidated statements of operations.

Foreign Currency Translation and Adjustments – Typically, our foreign subsidiaries maintain their accounting records in their local currency. All of the assets and liabilities of these subsidiaries (including long-term assets, such as goodwill) are converted to U.S. dollars at the exchange rate in effect at the balance sheet date, income and expense accounts are translated at average rates for the period, and shareholder's equity accounts are translated at historical rates. The effects of translating financial statements of foreign operations into our reporting currency are recognized as a cumulative translation adjustment in consolidated other comprehensive income (loss). This balance is net of tax, where applicable.

The effects of translating financial statements of foreign operations in which the U.S. dollar is their functional currency are included in the consolidated statements of operations. The effects of translating intercompany debt are recorded in the consolidated statements of operations unless the debt is of a long-term investment nature in which case gains and losses are recorded in consolidated other comprehensive income (loss).

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Foreign currency transaction gains or losses are credited or charged to income as incurred.

Income Taxes – Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those

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temporary differences are expected to be recovered or settled. The effect on the deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. We evaluate both the positive and negative evidence that is relevant in assessing whether we will realize the deferred tax assets. A valuation allowance is recorded when it is more likely than not that some of the deferred tax assets will not be realized. The tax effects from an uncertain tax position can be recognized in the consolidated financial statements, only if the position is more likely than not to be sustained, based on the technical merits of the position and the jurisdiction taxes of the Company. We recognize the financial statement benefit of a tax position only after determining that the relevant tax authority would more likely than not sustain the position following an audit and the tax related to the position would be due to the entity and not the owners. For tax positions meeting the more likely than not threshold, the amount recognized in the consolidated financial statements is the largest benefit that has a greater than 50 percent likelihood of being realized, upon ultimate settlement with the relevant tax authority. We apply this accounting standard to all tax positions for which the statute of limitations remains open. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs.

We file a consolidated federal income tax return in the U.S. and various states. For financial statement purposes, we calculate the provision for federal income taxes using the separate return method. Certain subsidiaries file separate tax returns in certain countries and states. Any U.S. federal, state, and foreign income taxes refundable and payable are reported in other current assets and accrued expenses and other current liabilities in our consolidated balance sheet. We have non-current taxes receivable or payable at December 31, 2024 - see Note 15 - *Income Taxes* for more information. We do not have any non-current taxes receivable or payable at December 31, 2023 or December 31, 2022.

We record interest and penalties on amounts due to tax authorities as a component of income tax expense in the consolidated statements of operations. We have elected to account for the impact of GILTI in the period in which it is incurred.

Contingent Liabilities – Contingent liabilities arising from claims, assessments, litigation, fines, penalties, and other sources require significant judgment in determining the probability of loss and the amount of the potential loss. Each quarter, we review significant new claims and litigation for the probability of an adverse outcome. Estimates are recorded as liabilities when it is probable that a liability has been incurred, and the amount of the loss is reasonably estimable. Disclosure is required when there is a reasonable possibility that the ultimate loss will materially exceed the recorded provision. Contingent liabilities are often resolved over long time periods. Estimating probable losses requires analysis of multiple forecasts that often depend on judgments about potential actions by third parties, such as regulators, and the estimated loss can change materially as individual claims develop. Legal costs incurred in connection with loss contingencies are expensed as incurred.

Employee Retirement and Pension Benefits – We have a defined benefit plan available to certain U.S. hourly employees and several other defined benefit plans located outside of the U.S. that are country specific. The most significant of these plans is in the U.S., which is no longer open to new employees. Amounts relating to these plans are recorded based on actuarial calculations, which use various assumptions, such as discount rates and expected return on assets. See Refer to Note 26 - *Employee Retirement and Pension Benefits* for more information.

Recently Adopted Accounting Standards – In December 2019, the FASB issued ASU No. 2019-12, *Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes*, which removes certain exceptions to the general principles of ASC 740, including, but not limited to, accounting relating to intraperiod tax allocations, deferred tax liabilities related to outside basis differences, and year to date losses in interim periods. This guidance is effective for fiscal years beginning after December 15, 2020. We adopted this standard in the first quarter of 2021 and the adoption did not have an impact on our consolidated financial statements.

In March 2020, the FASB issued ASU No. 2020-04, *Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting*, which provides optional expedients and exceptions for applying U.S. GAAP to contracts, hedging relationships, and other transactions affected by the discontinuation of LIBOR or by another reference rate expected to be discontinued. In January 2021, the FASB issued ASU No. 2021-01, *Reference Rate Reform (Topic 848): Scope*, to clarify the scope of ASU No. 2020-04. In December 2022, the FASB issued ASU No. 2022-06, *Deferral of the Sunset Date of Topic 848*, which extended the relief provisions under Topic 848 through December 31, 2024. In May 2020, we elected the expedient within ASC 848 which allowed us to assume that our hedged interest payments were probable of occurring regardless of any expected modifications in their terms related to reference rate reform. In addition, ASC 848 allowed for the

option to change the method of assessing effectiveness upon a change in critical terms of the derivative or the hedged transactions and upon the end of relief under ASC 848. We elected to assess effectiveness as documented in the original hedge documentation and apply the practical expedients related to probability to assume that the reference rate on a hypothetical derivative matched the reference rate on the hedging instrument. In June 2023, we executed amendments to our Term Loan Facility, ABL Facility and interest rate derivative agreements to replace LIBOR with a Term SOFR based rate. These contract amendments did not have a material impact on our consolidated

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financial statements. Refer to Note 12 - *Long-Term Debt* and Note 23 - *Derivative Financial Instruments* for further more information.

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– In November 2023, the FASB issued ASU 2023-07, *Improvements to Reportable Segment Disclosures*. ASU 2023-07 requires disclosure of significant segment expenses that are regularly provided to the CODM and included within the segment measure of profit or loss, an amount and description of its the composition for other segment items to reconcile to segment profit or loss, and the title and position of the entity's CODM. ASU 2023-07 will be applied retrospectively and is effective for annual reporting periods in fiscal years beginning after December 15, 2023, and interim reporting periods in within fiscal years beginning after December 31, 2024 December 15, 2024. The guidance will not have an impact on our financial positions and results of operations. We are currently evaluating the impact of adopted this guidance effective January 1, 2024, for annual reporting and applied the amendments retrospectively to all prior periods presented in the Consolidated Financial Statements. The amendments for interim periods will be adopted in our fiscal year beginning on the Company's disclosures January 1, 2025. Refer to Note 14 - *Segment Information* for more information.

Recent Accounting Standards Not Yet Adopted – In December 2023, the FASB issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures*. ASU 2023-09 expands disclosures in an entity's income tax rate reconciliation table and regarding cash taxes paid both in the U.S. and foreign jurisdictions. The guidance is effective for annual periods beginning after December 15, 2024, with early adoption permitted, and should be applied either prospectively to financial statements issued for reporting dates after the effective date or retrospectively, retrospectively to any or all prior periods presented in the financial statements. We have not elected to early adopt this standard. The We are currently evaluating the impact of this guidance will not have an impact on our the Company's disclosures.

In November 2024, the FASB issued ASU 2024-03, *Expense Disaggregation Disclosures: Disaggregation of Income Statement Expenses*. ASU 2024-03 requires disclosure of certain costs and expenses on a fiscal and interim basis in the notes to the financial positions statements. ASU 2024-03 is effective for annual reporting periods in fiscal years beginning after December 15, 2026, and results of operations, interim reporting periods within fiscal years beginning after December 15, 2027, with early adoption permitted, and should be applied either prospectively to financial statements issued for reporting dates after the effective date or retrospectively to any or all prior periods presented in the financial statements. We are currently evaluating the impact of this guidance on the Company's disclosures.

We have considered the applicability and impact of all ASUs. We have assessed ASUs not listed above and have determined that they were either not applicable or were not expected to have a material impact on our financial statements.

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Note 2. Discontinued Operations

On April 17, 2023, we entered into a Share Sale Agreement with Aristotle Holding III Pty Limited, a subsidiary of Platinum Equity Advisors, LLC, to sell our Australasia business (“JW Australia”), Australia, for a purchase price of approximately AUD \$688 million. On July 2, 2023, we completed the sale, receiving net cash proceeds of approximately \$446 million, including \$3.3 million of cash received from the settlement of certain forward contracts (refer contracts. Refer to Note 23 - *Derivative Financial Instruments* for further information). more information.

We In the year ended December 31, 2023, we recorded a net gain on the sale of JW Australia discontinued operations of \$15.7 million related to the July 2, 2023, sale of JW Australia net of taxes. The net gain on sale includes \$30.3 million of cumulative translation adjustments losses and \$1.0 million of accumulated net actuarial pension losses reclassified from other comprehensive income. The net gain on sale also includes a \$10.2 million loss recorded in the fourth quarter of 2023 in estimated taxes directly related to the sale transaction and return to provision true ups for the period in which we owned JW Australia. We recorded a \$1.4 million loss on sale of discontinued operations in the year ended December 31, 2024, related to settlement of an outstanding tax liability for JW Australia.

This divestiture qualified as a discontinued operation as of April 17, 2023, since it represents a strategic shift for us and has a major effect on our consolidated results of operations. Accordingly, the results of operations for the JW Australia reportable segment, together with certain costs related to the sale, have been classified as discontinued operations within the consolidated statements of operations for all periods presented.

Subsequent to After the completion of the sale, we entered into an agreement to provide certain transition services to JW Australia, including providing information technology post-closing services, purchases under a supply agreement, and reimbursement for certain costs to upgrade specific IT systems up to a capped amount. As of December 31, 2023 December 31, 2024, we had a liability of approximately \$8.2 \$3.2 million relating to these matters, which was included in accrued expenses and other current liabilities in our consolidated balance sheet. As of December 31, 2023, our liability relating to these matters was \$8.2 million, of which \$6.1 million is was included in accrued

expenses and other current liabilities, and the remaining ~~is~~ was included in deferred credits and other liabilities in ~~our~~ the accompanying consolidated balance sheet. The Company has determined the impact of the continuing involvement is insignificant to our consolidated financial statements.

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The following is a summary of the major categories of assets and liabilities of JW Australia that had been reflected as held for sale in the period preceding the divestiture at:

(amounts in thousands)	December 31, 2022
ASSETS	
Cash and cash equivalents	
Cash and cash equivalents	\$ 54,930
Accounts receivable, net	72,516
Inventories	71,984
Other current assets	5,302
Current assets of discontinued operations	<u><u>\$ 204,732</u></u>
Property and equipment, net	\$ 120,482
Deferred tax assets	13,019
Goodwill	78,552
Intangible assets, net	43,999
Operating lease assets, net	38,887
Other assets	1,821
Non-current assets of discontinued operations	<u><u>\$ 296,760</u></u>
LIABILITIES	
Accounts payable	\$ 33,704
Accrued payroll and benefits	26,635
Accrued expenses and other current liabilities	43,975
Current maturities of long-term debt	298
Current liabilities of discontinued operations	<u><u>\$ 104,612</u></u>
Long-term debt	\$ 448
Unfunded pension liability	4,396
Operating lease liability	30,754
Deferred credits and other liabilities	1,962
Deferred tax liabilities	862
Non-current liabilities of discontinued operations	<u><u>\$ 38,422</u></u>

The balances of the assets and liabilities of JW Australia as of the divestiture date of July 2, 2023 did not materially change from the balances as of July 1, 2023 disclosed in our Form 10-Q for the second quarter of 2023.

Components of amounts reflected in the consolidated statements of operations related to discontinued operations ~~for~~ are presented in the years ended December 31 were table, as follows:

(amounts in thousands)	2023	2022	2021
Net revenues	\$ 301,876	\$ 611,048	\$ 610,737
Cost of sales	211,575	451,542	458,387
Gross margin	90,301	159,506	152,350
Selling, general and administrative	62,263	112,015	100,378
Restructuring and asset related charges	—	611	394
Operating income	28,038	46,880	51,578
Interest (income) expense, net	(685)	(445)	778
Other income, net	(2,274)	(1,448)	(2,604)
Income from discontinued operations before taxes	30,997	48,773	53,404
Income tax expense	9,486	15,269	15,904

Income from discontinued operations, net of tax	\$ 21,511	\$ 33,504	\$ 37,500
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	Year Ended December 31,	
	2023	2022
Net revenues	\$ 301,876	\$ 611,048
Cost of sales	211,575	451,542
Gross margin	90,301	159,506
Selling, general and administrative	62,263	112,015
Restructuring and asset-related charges	—	611
Operating income	28,038	46,880
Interest income, net	(685)	(445)
Other income, net	(2,274)	(1,448)
Income from discontinued operations before taxes	30,997	48,773
Income tax expense	9,486	15,269
Income from discontinued operations, net of tax	\$ 21,511	\$ 33,504

The cash flows related to discontinued operations have not been segregated and are included in the consolidated statements of cash flows through the divestiture date of July 2, 2023. The following table presents cash flow and non-cash information related to discontinued operations:

	For the Years Ended December 31,	For the Years Ended December 31,	For the Years Ended December 31,
(amounts in thousands)			
(amounts in thousands)			
	Year Ended December 31,	Year Ended December 31,	Year Ended December 31,
(amounts in thousands)			
Depreciation and amortization			
Depreciation and amortization			
Depreciation and amortization			
Capital expenditures			
Capital expenditures			
Capital expenditures			
Share-based incentive compensation			
Share-based incentive compensation			
Share-based incentive compensation			
Provision for bad debt			
Provision for bad debt			
Provision for bad debt			

Note 3. Accounts Receivable

We sell our manufactured products to a large number of customers, primarily in the residential housing construction and remodel sectors, broadly dispersed across many domestic and foreign geographic regions. We assess the credit risk relating to our accounts receivable based on quantitative and qualitative factors, including historical credit collections within each region where we have operations. We perform ongoing credit evaluations of our customers to minimize credit risk. We do not usually require collateral for accounts receivable, but do require advance payment, guarantees, a security interest in the products sold to a customer, and/or letters of credit in certain situations. Customer accounts receivable converted to notes receivable are collateralized by inventory or other collateral. Two customers, The Home Depot and Lowe's Companies, each accounted for more than 10% of the consolidated accounts receivable, net balance as of December 31, 2023 December 31, 2024 and December 31, 2022. 2023.

The following is a roll forward of our allowance for credit losses as of December 31: losses:

	Year Ended December 31,			
(amounts in thousands)	(amounts in thousands)	2023	2022	2021 (amounts in thousands)
Balance as of January 1,				
Charges to income (expense)				

Charges to (expense) income
Write-offs

 Currency translation
 Currency translation
 Currency translation

Balance at period end

The decrease in the allowance for credit losses during 2023 was primarily due

[Back to improved collections experience and an improved portfolio of aged receivables](#) [top](#)

Note 4. Inventories

Inventories are stated at the lower of cost or net realizable value. Finished goods and work-in-process inventories include material, labor, and manufacturing overhead costs.

(amounts in thousands)	(amounts in thousands)	2023	2022	(amounts in thousands)	December 31, 2024	December 31, 2023
Raw materials						
Work in process						
Finished goods						
Provision for obsolete or excess inventory						
Inventory valuation reserves						
Total inventories						

To conform with the current period presentation, certain amounts in prior period information have been reclassified.

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Note 5. Property and Equipment, Net

(amounts in thousands)	(amounts in thousands)	2023	2022	(amounts in thousands)	December 31, 2024	December 31, 2023
Land improvements						
Buildings						
Machinery and equipment						
Total depreciable assets						
Accumulated depreciation				554,556		
Less: Accumulated depreciation					564,605	
Land						
Construction in progress						
Total property and equipment, net						

We recorded accelerated depreciation of our plant and equipment of \$15.0 million, \$7.4 million \$0.7 million and \$2.0 \$0.7 million during the years ended December 31, 2023 December 31, 2024, December 31, 2022 2023 and December 31, 2021, 2022, respectively, within restructuring and asset related asset-related charges in the accompanying consolidated statements of operations. For more information, refer [Refer to Note 19 - Restructuring and Asset Related Charges](#). [Asset-Related Charges](#) for more information.

During Additionally, we recorded accelerated depreciation of \$9.1 million during the twelve months year ended December 31, 2023, we recorded \$9.1 million of accelerated depreciation resulting from reviews of our North America equipment capacity optimization. These charges were recorded within cost of sales in the accompanying consolidated statements of operations.

The effect on our carrying value of property and equipment due to currency translations for foreign property and equipment, net, was a decrease of \$13.6 million and an increase of \$7.9 million \$7.9 million as of December 31, 2024 and a decrease of \$14.1 million for the years ended December 31, 2023 and December 31, 2022, 2023, respectively.

Depreciation expense was recorded as follows:

(amounts in thousands)		Year Ended December 31,		Year Ended December 31,		Year Ended December 31,	
(amounts in thousands)		2023		2022		2021	
Cost of sales							

Selling, general and administrative

Total depreciation expense

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Note 6. Goodwill

The following table summarizes the changes in goodwill by reportable segment:

(amounts in thousands)	North America	Europe	Total Reportable Segments
Balance as of December 31, 2021	\$ 182,645	\$ 278,668	\$ 461,313
Impairment	—	(54,885)	(54,885)
Currency translation	(376)	(24,099)	(24,475)
Balance as of December 31, 2022	\$ 182,269	\$ 199,684	\$ 381,953
Currency translation	143	8,074	8,217
Balance as of December 31, 2023	\$ 182,412	\$ 207,758	\$ 390,170

(amounts in thousands)	North America	Europe	Total Reportable Segments
Gross carrying amount at December 31, 2022	\$ 182,269	\$ 258,345	\$ 440,614
Currency translation	143	10,167	10,310
Gross carrying amount at December 31, 2023	182,412	268,512	450,924
Sale of business	(900)	—	(900)
Currency translation	(487)	(17,876)	(18,363)
Gross carrying amount at December 31, 2024	\$ 181,025	\$ 250,636	\$ 431,661
Accumulated impairment losses at December 31, 2022	\$ —	\$ (58,661)	\$ (58,661)
Currency translation	—	(2,093)	(2,093)
Accumulated impairment losses at December 31, 2023	—	(60,754)	(60,754)
Impairment ⁽¹⁾	—	(63,445)	(63,445)
Currency translation	—	7,705	7,705
Accumulated impairment losses at December 31, 2024	\$ —	\$ (116,494)	\$ (116,494)
Balance, net of impairment at December 31, 2024	\$ 181,025	\$ 134,142	\$ 315,167

⁽¹⁾ During the fourth quarter of 2024, we recognized a \$31.4 million impairment charge related to the court-ordered divestiture of Towanda. As of December 31, 2024, 2023 and 2022, the assets and liabilities of Towanda qualify as held for sale and are not included in the above reportable segments amount. Refer to Note 20 - *Held for Sale* for more information.

During the third quarter of 2022, management identified various qualitative and quantitative factors which collectively indicated a triggering event had occurred within our North America and Europe reporting units. These factors included the macroeconomic environment in each region including increasing interest rates, persistent inflation, and operational inefficiencies attributable to ongoing global supply chain disruptions, the continuing geopolitical environment in Europe associated with the conflict between Russia and Ukraine, and foreign exchange fluctuations. These factors have negatively impacted our business performance. Based upon the results of our interim impairment analysis, we concluded that the carrying **amount** value of our Europe reporting unit exceeded its fair value, and we recorded a goodwill impairment charge of \$54.9 million, for the year ended December 31, 2022, representing a partial impairment of goodwill assigned to the Europe reporting unit. In addition, we determined our North America reporting unit was not impaired.

As previously disclosed, following our 2023 annual impairment test for our Europe reporting unit, we concluded that while no impairment existed, the fair value of our reporting unit exceeded its carrying value by approximately 3%. During the third quarter of 2024, the Company updated its financial forecast for the Europe reportable segment to reflect anticipated macroeconomic conditions of prolonged elevated interest rates leading to reduced revenue growth expectations. The end of the third fiscal quarter also marks the conclusion of our generally heavier seasonal sales period and our European net sales were negatively impacted by weaker market demand. Accordingly, the Company determined that a triggering event occurred requiring an interim goodwill impairment test for its European reporting unit as of September 28, 2024. Based upon the results of our interim impairment assessment, we concluded the carrying value of our Europe reporting unit exceeded its fair value, and we recorded a goodwill impairment charge of \$63.4 million, representing a partial impairment of goodwill assigned to the Europe reporting unit. Following this partial impairment, the reporting unit's carrying amount equaled the fair value.

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We performed our annual impairment assessments during the fourth quarter. The Company elected to perform a qualitative analysis as of the fourth quarter for the Europe reporting unit. Our analysis did not determine that it was more likely than not that the carrying value of each period presented in our accompanying consolidated statement of operations. At each respective assessment date, the Europe reporting unit exceeded the fair value. During the fourth quarter, we quantitatively determined that the fair values value of our North America and Europe reporting units unit exceeded their its net carrying amounts amount and no goodwill impairment charge was recorded. As of the fourth quarter of 2023, we existed. We determined that the fair value of our North America reporting unit would have to decline significantly by less than 10% to be considered for potential impairment, and determined the fair value of our Europe reporting unit would have impaired.

[Back to decline by approximately 3% to be considered for potential impairment. top](#)**Note 7. Intangible Assets, Net**

The cost and accumulated amortization values of our intangible assets were as follows:

(amounts in thousands)	(amounts in thousands)	December 31, 2023			December 31, 2024		
		Cost	Accumulated Amortization	Net Book Value	(amounts in thousands)	Cost	Accumulated Amortization
Customer relationships and agreements							
Software							
Trademarks and trade names							
Patents, licenses and rights							
Total amortizable intangibles							

(amounts in thousands)	(amounts in thousands)	December 31, 2022			December 31, 2023		
		Cost	Accumulated Amortization	Net Book Value	(amounts in thousands)	Cost	Accumulated Amortization
Customer relationships and agreements							
Software							
Trademarks and trade names							
Patents, licenses and rights							
Total amortizable intangibles							

We recorded accelerated amortization of \$14.1 million during the years ended December 31, 2023 related to December 31, 2024 and 2023, for an ERP system that we intend to not utilize upon completion of are no longer utilizing after we completed our related obligations under the JW Australia Transition Services Agreement period, during the first quarter of 2024. The expense was recorded within SG&A expense in the accompanying consolidated statements of operations. We expect to record an additional \$14.1 million of accelerated amortization related to this ERP through the second quarter of 2024.

The effect on our carrying value of intangible assets due to currency translations for foreign intangible assets was a decrease of \$1.2 million and an increase of \$0.7 million as of December 31, 2024 and a decrease of \$2.1 million for the year ended December 31, 2023 and December 31, 2022, 2023, respectively.

Amortization expense was recorded as follows:

(amounts in thousands)	Year Ended December 31,			(amounts in thousands)	Year Ended December 31,				
	Year Ended December 31,				2021	Year Ended December 31,			
	2023	2022	2021			2024	2023	2022	
Amortization expense									

Estimated future amortization expense:

(amounts in thousands)	(amounts in thousands)	(amounts in thousands)
2024		
2024		
2024		
2025		
2025		
2025		

2026	
2026	
2026	
2027	
2027	
2027	
2028	
2028	
2028	
2029	
2029	
2029	
Thereafter	
Thereafter	
Thereafter	
	\$
	\$
	\$
Total	
Total	
Total	

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Note 8. Leases

We lease certain warehouses, distribution centers, office spaces, land, vehicles, and equipment.

[Lease](#)

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The Company's ROU assets and lease liabilities at December 31 were as follows:

(amounts in thousands)	(amounts in thousands)	Balance Sheet Location	December 31, 2024	December 31, 2023
(amounts in thousands)				
(amounts in thousands)				
Assets:				
Assets:				
Assets:				
Operating				
Operating				
Operating				
Finance				
Finance				
Finance				
Total lease assets				
Total lease assets				
Total lease assets				
Liabilities:				
Liabilities:				
Total ROU assets				
Liabilities:				
Current:				

Current:	
Current:	
Operating	
Operating	
Operating	
Finance	
Finance	
Finance	
Noncurrent:	
Noncurrent:	
Noncurrent:	
Operating	
Operating	
Operating	
Finance	
Finance	
Finance	
Total lease liability	
Total lease liability	
Total lease liability	

(1) Finance lease assets are recorded net of accumulated depreciation of ~~\$5.1 million~~ \$5.0 million and ~~\$3.7 million~~ \$5.1 million as of December 31, 2023 December 31, 2024 and December 31, 2022, 2023, respectively.

During the years year ended December 31, 2023 and December 31, 2022 December 31, 2024, we obtained ~~\$52.5 million~~ and ~~\$13.3 million~~ \$24.0 million in right-of-use ROU assets respectively, in exchange for operating lease liabilities, primarily relating to manufacturing equipment real estate. We obtained \$52.5 million in ROU assets in exchange for operating lease liabilities, primarily relating to real estate during the year ended December 31, 2023.

During the years ended December 31, 2023 December 31, 2024 and December 31, 2022, 2023, we obtained ~~\$5.4 million~~ \$5.6 million and ~~\$0.6 million~~ \$5.4 million in right-of-use ROU assets, respectively, in exchange for finance lease liabilities.

We recorded accelerated amortization on our ROU assets of \$7.2 million, \$0.5 million and \$0.9 million during the years ended December 31, 2024, 2023 and 2022, respectively, within restructuring and asset-related charges in the accompanying consolidated statements of operations. Refer to Note 19 - *Restructuring and Asset-Related Charges* for more information.

The components of lease expense for the years ended December 31 were as follows:

	Year Ended December 31,	Year Ended December 31,	Year Ended December 31,
(amounts in thousands)			
(amounts in thousands)			
(amounts in thousands)			
Operating			
Operating			
Operating			
Short term			
Short term			
Short term			
Variable			
Variable			
Variable			
Low value			
Low value			
Low value			
Finance			
Finance			
Finance			

Total lease costs		2023
Total lease expense		2023
Total lease costs		2023
Total lease expense		2023
Total lease costs		2023
Total lease expense		2023
Weighted average remaining lease terms (years):		December 31, 2024
Weighted average remaining lease terms (years):		December 31, 2024
Weighted average remaining lease terms (years):		December 31, 2024
Weighted average remaining lease terms (in years):		
Weighted average remaining lease terms (in years):		
Weighted average remaining lease terms (in years):		
Operating		
Operating		
Operating		
Finance		
Finance		
Finance		
Weighted average discount rate:		
Weighted average discount rate:		
Weighted average discount rate:		
Operating		
Operating		
Operating		
Finance		
Finance		
Finance		

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Future As of December 31, 2024, future minimum lease payment obligations under operating and finance leases are as follows: follows for each of the periods ending December 31:

		December 31, 2023					
(amounts in thousands)	(amounts in thousands)	Operating Leases (1)	Finance Leases	Total (amounts in thousands)	Operating Leases(1)	Finance Leases	Total
2024							
2025							
2026							
2027							
2028							
2029							
Thereafter							
Total lease payments							
Less: Interest							
Present value of lease liability							

(1) Operating lease payments include \$5.8 million \$5.7 million related to options to extend lease terms that are reasonably certain of being exercised.

Note 9. Accrued Payroll and Benefits

(amounts in thousands)	2023	2022
Accrued bonuses and commissions	\$ 45,742	\$ 18,911
Accrued vacation	31,510	31,921
Accrued payroll	30,018	30,304
Accrued payroll taxes	13,898	11,560
Other accrued benefits	10,072	13,052
Non-U.S. defined contributions and other accrued benefits	1,310	1,254
Total accrued payroll and benefits	\$ 132,550	\$ 107,002

Accrued payroll and benefits consisted of the following:

(amounts in thousands)	December 31, 2024	December 31, 2023
Accrued payroll	\$ 28,451	\$ 30,018
Accrued vacation	26,877	31,510
Other accrued benefits	14,042	10,072
Accrued payroll taxes	11,240	13,898
Accrued bonuses and commissions	7,877	45,742
Non-U.S. defined contributions and other accrued benefits	1,113	1,310
Total accrued payroll and benefits	\$ 89,600	\$ 132,550

Note 10. Accrued Expenses and Other Current Liabilities

(amounts in thousands)	December 31, 2023	December 31, 2022
Accrued sales and advertising rebates	\$ 82,732	\$ 90,461
Current portion of operating lease liability	32,477	31,152
Current portion of warranty liability (Note 11)	22,819	21,215
Non-income related taxes	20,072	22,615
Accrued freight	18,963	17,377
Accrued expenses	15,758	13,505
Current portion of accrued claim costs relating to self-insurance programs	14,079	16,231
Accrued income taxes payable	9,252	9,368
Deferred revenue and customer deposits	7,189	10,084
Current portion of restructuring accrual (Note 19)	3,375	5,021
Current portion of derivative liability (Note 23)	2,996	3,346
Accrued interest payable	1,401	4,036
Legal claims provision (Note 25)	2,683	3,490
Total accrued expenses and other current liabilities	\$ 233,796	\$ 247,901

Accrued expenses and other current liabilities consisted of the following:

(amounts in thousands)	December 31, 2024	December 31, 2023
Accrued sales and advertising rebates	\$ 74,043	\$ 82,732
Current portion of operating lease liability (Note 8)	32,738	32,477
Non-income related taxes	19,952	20,072
Current portion of warranty liability (Note 11)	18,394	22,819
Current portion of accrued claim costs relating to self-insurance programs	15,254	14,079
Accrued freight	15,174	18,963
Accrued expenses	10,783	15,758
Accrued interest payable	9,846	1,401
Current portion of restructuring accrual (Note 19)	7,605	3,375
Accrued income taxes payable	7,433	9,252
Deferred revenue and customer deposits	5,404	7,189
Legal claims provision (Note 25)	4,678	2,683

Current portion of derivative liability (Note 23)	2,905	2,996
Total accrued expenses and other current liabilities	\$ 224,209	\$ 233,796

The accrued sales and advertising rebates, accrued interest payable, accrued freight, and non-income related taxes can significantly fluctuate significantly period-over-period due to timing of payments.

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Note 11. Warranty Liability

Warranty terms vary from one year to lifetime on certain window and door components. Warranties are normally limited to servicing or replacing defective components for the original customer. Product defects arising within six months of sale are classified as manufacturing defects and are not included in the current period expense below. Some warranties are transferable to subsequent owners and are either limited to 10 years from the date of manufacture or require pro-rata payments from the customer. A provision for estimated warranty costs is based on historical experience and is recorded as a provision at the time of sale based on historical experience and sale. The provision is adjusted periodically to reflect actual experience.

An analysis of our warranty liability is as follows:

(amounts in thousands)	2023	2022	2021
(amounts in thousands)			
(amounts in thousands)			
Balance as of January 1			
Balance as of January 1			
Balance as of January 1			
Current period charges			
Current period charges			
Current period charges			
Experience adjustments			
Experience adjustments			
Experience adjustments			
Payments			
Transfers to liabilities held for sale (Note 20)			
Payments			
Payments			
Currency translation			
Currency translation			
Currency translation			
Balance at period end			
Balance at period end			
Balance at period end			
Current portion			
Current portion			
Current portion			
Long-term portion			
Long-term portion			
Long-term portion			

The most significant component of our warranty liability was in the North America segment. As of December 31, 2023 December 31, 2024, the warranty liability in the North America segment totaled \$46.5 million, \$40.9 million, after discounting future estimated cash flows at rates between 0.53% 4.60% and 4.01% 4.63%. Without discounting, the liability would have increased by approximately \$3.8 million, \$3.7 million.

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Note 12. Long-Term Debt

Our long-term debt, net of original issue discount and unamortized debt issuance costs, consisted of the following:

December 31, 2023	December 31, 2023	December 31, 2022

	December 31, 2024	December 31, 2024	December 31, 2023
(amounts in thousands)			
Senior Notes			
Senior Notes			
Senior Notes			
Senior Secured Notes			
Term Loan Facility			
Revolving credit facility			
Term Loan Facility			
Term Loan Facility			
Finance leases and other financing arrangements			
Finance leases and other financing arrangements			
Finance leases and other financing arrangements			
Mortgage notes			
Total Debt			
Unamortized debt issuance costs and original issue discounts			
Current maturities of long-term debt			
Long-term debt			

(1) Term Loan B **mortgage notes** and certain finance leases and other financing arrangements are subject to variable interest rates.

To conform with current period presentation, certain amounts in prior period information have been reclassified.

Maturities by year, excluding unamortized debt issuance costs and original issue discounts:			
2024		\$	36,177
2025			221,749
2026			19,243
2027			415,025
2028			522,809

Summaries of our significant changes to outstanding debt agreements as of December 31, 2023 December 31, 2024, are as follows:

Senior Secured Notes and Senior Notes

In December 2017, we issued \$800.0 million of **unsecured** Senior Notes in two tranches: \$400.0 million bearing interest at 4.63% and maturing in December 2025, ("4.63% Senior Notes"), and \$400.0 million bearing interest at 4.88% and maturing in December 2027 in a private placement for resale to qualified institutional buyers pursuant to Rule 144A under the Securities Act.

In May 2020, we issued \$250.0 million of Senior Secured Notes bearing interest at 6.25% and maturing in May 2025 ("6.25% Senior Secured Notes") in a private placement for resale to qualified institutional buyers pursuant to Rule 144A under the Securities Act. The proceeds were net of fees and expenses associated with debt issuance, including an underwriting fee of 1.25%. Interest is payable semiannually, in arrears, each May and November.

On August 3, 2023, we redeemed all \$250.0 million of our 6.25% Senior Secured Notes and \$200.0 million of our 4.63% Senior Notes. The Company recognized a pre-tax loss of \$6.5 million on the redemption in **year ended December 31, 2023**, **the third quarter of 2023**, consisting of \$3.9 million in call premium and \$2.6 million **in accelerated amortization of debt issuance costs**.

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In August 2024, we issued \$350.0 million of Senior Notes bearing interest at 7.00% and maturing September 2032 in a private placement for resale to qualified institutional buyers pursuant to Rule 144A under the Securities Act. The proceeds were net of fees and expenses associated with debt issuance including an underwriting fee of 1.25%. We incurred debt issuance costs of \$5.5 million which will be amortized to interest expense over the life of the notes using the effective interest method. Interest is payable semiannually, in arrears, each March and September.

In September 2024, we utilized a portion of the proceeds from the issuance of our 7.00% Senior Notes described above to redeem the remaining \$200.0 million of our 4.63% Senior Notes. The Company recognized a pre-tax loss of \$0.5 million on the redemption in **the third quarter of 2024**, consisting entirely in accelerated amortization of debt issuance costs.

Term Loan Facility

U.S. Facility - Initially executed in October 2014, we amended the Term Loan Facility in July 2021 to, among other things, extend the maturity date from December 2024 to July 2028 and provide additional covenant flexibility. Pursuant to the amendment, certain existing and new lenders advanced \$550.0 million of replacement term loans, the proceeds

of which were used to prepay in full the amount outstanding under the previously existing term loans. The replacement term loans originally bore interest at LIBOR (subject to a floor of 0.00%) plus a margin of 2.00% to 2.25% depending on JWJ's corporate credit ratings. In addition, the amendment also modified certain other terms and provisions of the Term Loan Facility and adds language to address the replacement of LIBOR with a SOFR basis upon the June 30, 2023, cessation of the publication of LIBOR. Voluntary prepayments of the replacement term loans are permitted at any time, in certain minimum principal amounts, but were subject to a 1.00% premium during the first six months. The amendment requires 0.25% of the initial principal to be repaid quarterly until maturity. As a result of this amendment, we recognized debt

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extinguishment costs of \$1.3 million, \$1.3 million, which included \$1.0 million of unamortized debt issuance costs and original discount fees. As of the date of the amendment, the outstanding principal balance, net of original issue discount, was \$548.6 million.

In June 2023, we amended the Term Loan Facility to replace LIBOR with a Term SOFR based rate as the successor benchmark rate and made certain other technical amendments and related conforming changes. All other material terms and conditions were unchanged.

In January 2024, we amended the Term Loan Facility to lower the applicable margin for replacement term loans, remove certain provisions no longer relevant to the parties, and make certain other technical amendments and related to conforming changes. Pursuant to the amendment, replacement term loans bear interest at SOFR plus a margin of 1.75% to 2.00% depending on JWJ's corporate credit ratings, compared to a margin of 2.00% to 2.25% under the previous amendment. All other material terms and conditions of the Term Loan Agreement were unchanged. As a result of this amendment, we recognized debt extinguishment and refinancing costs of \$1.4 million, which included \$0.8 million of unamortized debt issuance costs and original discount fees.

In August 2024, we utilized a portion of the proceeds received from our issuance of \$350.0 million of Senior Notes to repay \$150.0 million of the outstanding balance of our Term Loan Facility. As of December 31, 2023 December 31, 2024, the outstanding principal balance, net of original issue discount, was \$535.3 million \$380.5 million.

In May 2020, we entered into interest rate swap agreements with a weighted average fixed rate of 0.395% paid against one-month LIBOR floored at 0.00% with outstanding notional amounts aggregating to \$370.0 million \$370.0 million corresponding to that amount of the debt outstanding under our Term Loan Facility. In June 2023, the interest rate swap agreements were amended to convert to a SOFR basis on June 30, 2023, resulting in a weighted average fixed rate of 0.317% paid against one-month USD-SOFR CME Term floored at (0.10)%. The interest rate swap agreements were designated as cash flow hedges of a portion of the interest obligations on our Term Loan Facility borrowings and matured in December 2023. See Refer to Note 23 - Derivative Financial Instruments for additional more information on our derivative assets and liabilities.

In February 2024, we entered into interest rate collar agreements with a cap rate of 4.50% paid against one-month USD-SOFR CME Term floored at 3.982% and 3.895% with outstanding notional amounts aggregating to \$100.0 million corresponding to that amount of the debt outstanding under our Term Loan Facility. The interest rate collar agreements were designated as cash flow hedges of a portion of the interest obligations on our Term Loan Facility borrowings and mature in February 2026. Refer to Note 23 - Derivative Financial Instruments for more information on our derivative assets and liabilities.

Revolving Credit Facility

ABL Facility - Initially executed in 2014, extensions of credit under our ABL Facility are limited by a borrowing base calculated based on specified percentages of the value of eligible accounts receivable and inventory, subject to certain reserves and other adjustments. We pay a fee of 0.25% on the unused portion of the commitments. The ABL Facility has a minimum fixed charge coverage ratio that we are obligated to comply with under certain circumstances. The ABL Facility has various non-financial covenants, including restrictions on liens, indebtedness, dividends, customary representations and warranties, and customary events of defaults and remedies.

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In July 2021, we amended the ABL Facility to, among other things, extend the maturity date from December 2022 to July 2026, increase the aggregate commitment to \$500.0 million, provide additional covenant flexibility, conform certain terms and provisions to the Term Loan Facility, and amend the interest rate grid applicable to the loans thereunder by adding language to address the replacement of LIBOR with a SOFR basis upon the June 30, 2023 cessation of the publication of LIBOR. Pursuant to the amendment, the amount allocated to U.S. borrowers was increased to \$465.0 million. The amount allocated to Canadian borrowers was maintained at \$35.0 million. Borrowings under the ABL Facility bore, at the borrower's option, interest at either a base rate plus a margin of 0.25% to 0.50% depending on excess availability or LIBOR (subject to a floor of 0.00%) plus a margin of 1.25% to 1.50% depending on excess availability. All other material terms and conditions were unchanged.

In June 2023, we amended the ABL Facility to replace LIBOR with a Term SOFR based rate as the successor benchmark rate and made certain other technical amendments and related conforming changes. All other material terms and conditions were unchanged.

As of December 31, 2023 December 31, 2024, we had no outstanding borrowings, \$10.6 million \$2.8 million in letters of credit and \$462.3 million \$416.4 million available under the ABL Facility.

Mortgage Notes - In December 2007, we entered into thirty-year mortgage notes secured by land and buildings in Denmark with principal payments which began in 2018. As in October 2024, we repaid the entire remaining principal balance of December 31, 2023, we had the mortgage notes of DKK 148.6 million 142.5 million (\$22.1 20.7 million) outstanding under these notes.

Finance leases and other financing arrangements - In addition to finance leases, we include insurance premium financing arrangements and loans secured by equipment in this category. As of December 31, 2023 December 31, 2024, we had \$74.5 million \$61.1 million outstanding in this category, with maturities ranging from 2024 to 2031.

As of December 31, 2023 December 31, 2024, we were in compliance with the terms of all of our Credit Facilities and the indentures governing the Senior Notes.

The future maturities of debt, excluding unamortized debt issuance costs and original issue discounts as of December 31, 2024, are as follows:

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2025		\$ 30,927
2026		18,479
2027		414,994
2028		371,227
2029		3,377

Note 13. Deferred Credits and Other LiabilitiesIncluded in deferred credits and other liabilities is the long-term portion of the following **liabilities as of December 31:** liabilities:

<u>(amounts in thousands)</u>	<u>(amounts in thousands)</u>	2023	2022	<u>(amounts in thousands)</u>	December 31, 2024	December 31, 2023
Warranty liability (Note 11)						
Uncertain tax positions (Note 15)						
Warranty liability (Note 11)						
Workers' compensation claims accrual						
Environmental contingencies (Note 25)						
Other liabilities						
Deferred income						
Long term derivative liability (Note 23)						
Long term derivative liability (Note 23)						
Long term derivative liability (Note 23)						
Total deferred credits and other liabilities						
Total deferred credits and other liabilities						
Total deferred credits and other liabilities						

[Back to top](#)**Note 14. Segment Information**

We report our segment information in the same way management internally organizes the business to assess performance and make decisions regarding allocation of resources in accordance with ASC 280-10-**Segment Reporting**. Management, inclusive of the CODM, reviews net revenues and Adjusted EBITDA from continuing operations to evaluate segment performance and allocate resources. We define Adjusted EBITDA from continuing operations as income (loss) from continuing operations, net of tax, adjusted for the following items: income tax expense (benefit); depreciation and amortization; interest expense **net**; **(income), net**; and certain special items consisting of non-recurring net legal and professional expenses and settlements; goodwill impairment; restructuring and **asset related asset-related charges**; **other facility closure, consolidation, and related costs and adjustments**; M&A related costs; net (gain) loss on sale of business, property, and equipment; loss on extinguishment and refinancing of debt; share-based compensation expense; pension settlement charges; non-cash foreign exchange transaction/translation **(income) (gain)** loss; and other special items. We use Adjusted EBITDA from continuing operations because we believe this measure assists investors and analysts in comparing our operating performance across reporting periods on a consistent basis by excluding items that we do not believe are indicative of our core operating performance. **This non-GAAP financial measure should be viewed operational performance by comparing historical, actual and forecasted amounts on a regular basis, and to allocate resources in addition to, the annual budget and not as forecasting process.** Adjusted EBITDA is also a **substitute for**, the Company's reported results prepared **significant performance measure in accordance with GAAP**, our annual incentive compensation.

We have two reportable segments, organized and managed principally in geographic regions: North America and Europe. We report all other business activities in Corporate and unallocated costs. The Company's two reportable segments are defined as follows:

North America – Within our North America segment, the Company supplies windows and doors for residential and commercial markets, serving both new construction and repair & remodel projects. These products reach builders, repair and replacement contractors, architects, and homebuilders through direct and indirect channels, including dealer and distribution networks.

Europe – Within our Europe Segment, the Company manufactures and supplies to retailers, merchants, house-builders and construction companies' interior doors, doorsets and door kits, in wood and steel, with both standard and high-performance features.

Factors considered in determining the two reportable segments include the nature of business activities, the management structure accountable directly to the CODM, the discrete financial information regularly **reviewed by provided to** the CODM, and information presented to the Board of Directors and investors. **The CODM is the CEO**. No operating segments have been aggregated for our presentation of reportable segments.

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The following tables set forth certain information relating to our segments' operations:

(amounts in thousands)	North America	Europe	Total Operating Segments	Corporate and Unallocated Costs	Total Consolidated
Year Ended December 31, 2023					
Total net revenues	\$ 3,123,270	\$ 1,187,118	\$ 4,310,388	\$ —	\$ 4,310,388
Intersegment net revenues	(214)	(5,840)	(6,054)	—	(6,054)
Net revenues from external customers	\$ 3,123,056	\$ 1,181,278	\$ 4,304,334	\$ —	\$ 4,304,334
Capital expenditures	72,582	25,630	98,212	6,441	104,653
Segment assets	1,694,201	944,963	2,639,164	340,961	2,980,125
Year Ended December 31, 2022					
Total net revenues	\$ 3,260,166	\$ 1,284,796	\$ 4,544,962	\$ —	\$ 4,544,962
Intersegment net revenues	(813)	(341)	(1,154)	—	(1,154)
Net revenues from external customers	\$ 3,259,353	\$ 1,284,455	\$ 4,543,808	\$ —	\$ 4,543,808
Capital expenditures	59,023	19,095	78,118	6,356	84,474
Segment assets	1,718,379	947,974	2,666,353	333,516	2,999,869
Year Ended December 31, 2021					
Total net revenues	\$ 2,829,918	\$ 1,355,111	\$ 4,185,029	\$ —	\$ 4,185,029
Intersegment net revenues	(678)	(2,661)	(3,339)	—	(3,339)
Net revenues from external customers	\$ 2,829,240	\$ 1,352,450	\$ 4,181,690	\$ —	\$ 4,181,690
Capital expenditures	49,805	29,611	79,416	14,785	94,201
Segment assets	1,634,937	1,188,024	2,822,961	373,714	3,196,675

(amounts in thousands)	Year Ended December 31, 2024		
	North America	Europe	Total
Revenues from external customers	\$ 2,708,371	\$ 1,067,221	\$ 3,775,592
Intersegment net revenues	130	7,664	7,794
Total segment net revenues	\$ 2,708,501	\$ 1,074,885	\$ 3,783,386
<i>Reconciliation of Revenue</i>			
Elimination of intersegment net revenues			(7,794)
Total consolidated net revenues			<u>\$ 3,775,592</u>
<i>Less:</i>			
Adjusted cost of sales	\$ 2,232,991	\$ 848,021	\$ 3,081,012
Adjusted selling, general and administrative	301,739	179,053	480,792
Other segment items ⁽¹⁾	(80,430)	(27,566)	(107,996)
Adjusted EBITDA from continuing operations	<u>\$ 254,071</u>	<u>\$ 67,713</u>	<u>\$ 321,784</u>
Total Reportable Segment Adjusted EBITDA			\$ 321,784
<i>Less:</i>			
Depreciation and amortization			125,786
Interest expense, net			67,237
Corporate and unallocated costs			46,536
<i>Special items:</i>			
Net legal and professional expenses and settlements			62,722
Goodwill impairment			94,801
Restructuring and asset-related charges			68,092
M&A related costs			15,296

Net gain on sale of business, property, and equipment	(13,752)
Loss on extinguishment and refinancing of debt	1,908
Share-based compensation expense	15,465
Non-cash foreign exchange transaction/translation gain	(3,101)
Other special items	11,612
Loss from continuing operations, before tax	<u>\$ (170,818)</u>

(1) Other segment items included depreciation and amortization which are included as a component of the significant expense categories regularly provided to the CODM above but are not included in the measure of segment profit, as well as other items which are excluded from the categories regularly provided to the CODM, which included:

North America - Refund of deposits for antidumping and countervailing duties on wood mouldings and millwork products purchased from China from 2022 to 2023 and pension expense.

Europe - Foreign currency losses, pension expense and energy subsidies.

(amounts in thousands)	Year Ended December 31, 2024				
	North America		Europe		Corporate and Unallocated Costs
	North America	Europe	Corporate and Unallocated Costs	Total Consolidated	
Depreciation and amortization	\$ 73,528	\$ 30,702	\$ 21,556	\$ 125,786	
Capital expenditures	127,358	39,786	6,573	173,717	
Segment assets	1,614,239	702,053	303,877	2,620,169	

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(amounts in thousands)	Year Ended December 31, 2023		
	North America		Europe
	North America	Europe	Total
Revenues from external customers	\$ 3,123,056	\$ 1,181,278	\$ 4,304,334
Intersegment net revenues	214	5,840	6,054
Total segment net revenues	<u>\$ 3,123,270</u>	<u>\$ 1,187,118</u>	<u>\$ 4,310,388</u>
<i>Reconciliation of Revenue</i>			
Elimination of intersegment net revenues			(6,054)
Total consolidated net revenues			<u>\$ 4,304,334</u>
<i>Less:</i>			
Adjusted cost of sales	\$ 2,520,427	\$ 950,962	\$ 3,471,389
Adjusted selling, general and administrative	308,333	184,168	492,501
Other segment items ⁽¹⁾	(87,893)	(35,307)	(123,200)
Adjusted EBITDA from continuing operations	<u>\$ 382,189</u>	<u>\$ 81,455</u>	<u>\$ 463,644</u>
Total Reportable Segment Adjusted EBITDA			\$ 463,644
<i>Less:</i>			
Depreciation and amortization			134,996
Interest expense, net			72,258
Corporate and unallocated costs			83,205
<i>Special items:</i>			
Net legal and professional expenses and settlements			28,184
Restructuring and asset-related charges			35,741
M&A related costs			6,575
Net gain on sale of business, property, and equipment			(10,523)
Loss on extinguishment and refinancing of debt			6,487

Share-based compensation expense	17,477
Pension settlement charge	4,349
Non-cash foreign exchange transaction/translation loss	595
Other special items	(4,274)
Income from continuing operations, before tax	\$ 88,574

(1) Other segment items included depreciation and amortization which are included as a component of the significant expense categories regularly provided to the CODM above but are not included in the measure of segment profit, as well as other items which are excluded from the categories regularly provided to the CODM, which include:

North America - Refund of deposits for antidumping and countervailing duties on wood mouldings and millwork products purchased from China from 2020 to 2022, ERC from the U.S.

government and pension expense.

Europe - Energy subsidies, foreign currency gains and pension expense.

(amounts in thousands)	Year Ended December 31, 2023			
	North America		Corporate and Unallocated Costs	Total Consolidated
	Europe	North America	Europe	North America
Depreciation and amortization	\$ 30,185	\$ 79,900	\$ 24,911	\$ 134,996
Capital expenditures	25,630	72,582	6,441	104,653
Segment assets	944,963	1,694,201	340,961	2,980,125

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(amounts in thousands)	Year Ended December 31, 2022		
	North America		Total
	Europe	North America	Europe
Revenues from external customers	\$ 1,284,455	\$ 3,259,353	\$ 4,543,808
Intersegment net revenues	341	813	1,154
Total segment net revenues	\$ 1,284,796	\$ 3,260,166	\$ 4,544,962
<i>Reconciliation of Revenue</i>			
Elimination of intersegment net revenues			(1,154)
Total consolidated net revenues			\$ 4,543,808
<i>Less:</i>			
Adjusted cost of sales	\$ 1,060,552	\$ 2,690,184	\$ 3,750,736
Adjusted selling, general and administrative	191,602	295,513	487,115
Other segment items ⁽¹⁾	(42,024)	(79,229)	(121,253)
Adjusted EBITDA from continuing operations	\$ 74,325	\$ 352,885	\$ 427,210
Total Reportable Segment Adjusted EBITDA			\$ 427,210
<i>Less:</i>			
Depreciation and amortization			113,132
Interest expense, net			82,505
Corporate and unallocated costs			78,363
Special items:			
Net legal and professional expenses and settlements			(287)
Goodwill impairment			54,885
Restructuring and asset-related charges			17,622
M&A related costs			9,752
Net gain on sale of business, property, and equipment			(8,036)
Share-based compensation expense			14,577

Non-cash foreign exchange transaction/translation loss	12,437
Other special items	21,996
Income from continuing operations, before tax	<u>\$ 30,264</u>

(1) Other segment items included depreciation and amortization which are included as a component of the significant expense categories regularly provided to the CODM above but are not included in the measure of segment profit, as well as other items which are excluded from the categories regularly provided to the CODM, which include:

North America - Pension gain, credit for overpayments of utility expenses and facility rental income.

Europe - Pension expense, foreign currency losses and cash received from government pandemic assistance programs in Europe as a result of COVID-19.

(amounts in thousands)	North America	Europe	Total Operating Segments	Corporate and Unallocated Costs		Total Consolidated
Year Ended December 31, 2023						
Income (loss) from continuing operations, net of tax	\$ 175,980	\$ (3,335)	\$ 172,645	\$ (147,410)	\$ 25,235	
Income tax expense (benefit) ⁽¹⁾	79,210	44,095	123,305	(59,966)	63,339	
Depreciation and amortization ⁽²⁾	79,900	30,185	110,085	24,911	134,996	
Interest expense, net	4,713	3,224	7,937	64,321	72,258	
Restructuring and asset related charges	29,207	5,738	34,945	796	35,741	
Net other special items	13,179	1,548	14,727	34,143	48,870	
Adjusted EBITDA from continuing operations	<u>\$ 382,189</u>	<u>\$ 81,455</u>	<u>\$ 463,644</u>	<u>\$ (83,205)</u>	<u>\$ 380,439</u>	
Year Ended December 31, 2022						
Income (loss) from continuing operations, net of tax	\$ 260,590	\$ (50,796)	\$ 209,794	\$ (197,571)	\$ 12,223	
Income tax expense ⁽³⁾	6,963	3,307	10,270	7,771	18,041	
Depreciation and amortization	69,427	31,139	100,566	12,566	113,132	
Interest expense, net	4,011	6,193	10,204	72,301	82,505	
Goodwill impairment	—	54,885	54,885	—	54,885	
Restructuring and asset related charges	7,338	6,042	13,380	4,242	17,622	
Net other special items	4,556	23,555	28,111	22,328	50,439	
Adjusted EBITDA from continuing operations	<u>\$ 352,885</u>	<u>\$ 74,325</u>	<u>\$ 427,210</u>	<u>\$ (78,363)</u>	<u>\$ 348,847</u>	
Year Ended December 31, 2021						
Income (loss) from continuing operations, net of tax	\$ 255,975	\$ 66,596	\$ 322,571	\$ (191,249)	\$ 131,322	
Income tax expense (benefit) ⁽³⁾	5,704	16,980	22,684	(3,048)	19,636	
Depreciation and amortization	72,095	32,855	104,950	11,405	116,355	
Interest expense, net	6,080	9,282	15,362	61,426	76,788	
Restructuring and asset related charges, net	1,200	1,453	2,653	(97)	2,556	
Net other special items	11,827	126	11,953	34,164	46,117	
Adjusted EBITDA from continuing operations	<u>\$ 352,881</u>	<u>\$ 127,292</u>	<u>\$ 480,173</u>	<u>\$ (87,399)</u>	<u>\$ 392,774</u>	

(1) Income tax expense in our Europe segment includes an increase in valuation allowance against our foreign net operating loss carryforwards of \$30.0 million.

(2) Corporate and unallocated costs depreciation and amortization expense in the year ended December 31, 2023 includes accelerated amortization of \$14.1 million for an ERP system that we intend to not utilize upon completion of the JW Australia Transition Services Agreement period. North America depreciation and amortization expense in the twelve months ended December 31, 2023 includes accelerated depreciation of \$9.1 million from reviews of equipment capacity optimization.

(3) Income tax expense (benefit) in Corporate and unallocated costs in the year ended December 31, 2022 and December 31, 2021 includes the tax impact of U.S. Operations.

(amounts in thousands)	Year Ended December 31, 2022			
	North America	Europe	Unallocated Costs	Total Consolidated
Depreciation and amortization	\$ 69,427	\$ 31,139	\$ 12,566	\$ 113,132
Capital expenditures	59,023	19,095	6,356	84,474
Segment assets	1,718,379	947,974	333,516	2,999,869

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Reconciliations of income from continuing operations, net of tax to Adjusted EBITDA from continuing operations are as follows:

(amounts in thousands)	Year Ended		
	2023	2022	2021
Income from continuing operations, net of tax	\$ 25,235	\$ 12,223	\$ 131,322
Income tax expense ⁽¹⁾	63,339	18,041	19,636
Depreciation and amortization ⁽²⁾	134,996	113,132	116,355
Interest expense, net	72,258	82,505	76,788
Special items:			
Net legal and professional expenses and settlements ⁽³⁾	28,184	(287)	15,598
Goodwill impairment ⁽⁴⁾	—	54,885	—
Restructuring and asset related charges ⁽⁵⁾	35,741	17,622	2,556
Other facility closure, consolidation, and related costs and adjustments ⁽⁶⁾	2,237	18,891	2,326
M&A related costs ⁽⁷⁾	6,575	9,752	5,206
Net (gain) loss on sale of property and equipment ⁽⁸⁾	(10,523)	(8,036)	2,086
Loss on extinguishment of debt ⁽⁹⁾	6,487	—	1,342
Share-based compensation expense ⁽¹⁰⁾	17,477	14,577	19,988
Pension settlement charge ⁽¹¹⁾	4,349	—	—
Non-cash foreign exchange transaction/translation loss (income) ⁽¹²⁾	595	12,437	(10,421)
Other special items ⁽¹³⁾	(6,511)	3,105	9,992
Adjusted EBITDA from continuing operations	<u>\$ 380,439</u>	<u>\$ 348,847</u>	<u>\$ 392,774</u>

- (1) Income tax expense in twelve months ended December 31, 2023 includes an increase in valuation allowance against foreign net operating loss carryforwards of \$30.0 million.
- (2) Depreciation and amortization expense in the year ended December 31, 2023 includes accelerated amortization of \$14.1 million in Corporate and unallocated costs for an ERP system that we intend to not utilize upon completion of the JW Australia Transition Services Agreement period. In addition, the year ended December 31, 2023 includes accelerated depreciation of \$9.1 million in North America from reviews of equipment capacity optimization.
- (3) Net legal and professional expenses and settlements include: (i) in the year ended December 31, 2023, \$26.1 million in strategic transformation expenses; (ii) in the year ended December 31, 2022, (\$10.5) million of income resulting from a legal settlement, partially offset by \$3.9 million in legal expenses relating primarily to litigation, and \$3.8 million in strategic transformation expenses; (iii) in the year ended December 31, 2021, \$14.4 million in legal fees and settlements relating primarily to litigation.
- (4) Goodwill impairment consists of goodwill impairment charges associated with our Europe reporting unit.
- (5) Represents severance, accelerated depreciation, equipment relocation and other expenses directly incurred as a result of restructuring events. The restructuring charges primarily relate to charges incurred to change the operating structure, eliminate certain roles, and close certain manufacturing facilities in our North America and Europe segments.
- (6) Other facility closure, consolidation, and related costs and adjustments that do not meet the U.S. GAAP definition of restructuring, primarily related to the closure of certain facilities.
- (7) M&A related costs consists primarily of legal and professional expenses related to the planned disposition of Towanda.
- (8) Represents net (gain) loss on sales of property and equipment, primarily in the United Kingdom, Australia, and Klamath Falls, Oregon in the year ended December 31, 2023, and Phoenix, Arizona in the year ended December 31, 2022.
- (9) Loss on extinguishment of debt of \$6.5 million is related to the redemption of \$250.0 million of our 6.25% Senior Secured Notes and \$200.0 million of our 4.63% Senior Notes.
- (10) Represents non-cash equity-based compensation expense related to the issuance of share-based awards.
- (11) Represents a settlement loss associated with our U.S. defined benefit pension plan resulting from a one-time lump sum payment offered to pension plan participants. Refer to Note 26 *Employee Retirement and Pension Benefits* for additional information.
- (12) Non-cash foreign exchange transaction/translation loss (income) primarily associated with fair value adjustments of foreign currency derivatives and revaluation of intercompany balances.

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- (13) Other special items not core to ongoing business activity include: (i) in the year ended December 31, 2023, (\$3.1) million in income from short-term investments as well as forward contracts related to the JW Australia divestiture in Corporate and unallocated costs, and (\$2.8) million in adjustments to compensation and non-income taxes associated with exercises of legacy equity awards in our Europe segment; (ii) in the year ended December 31, 2022, \$3.3 million relating primarily to exit costs for executives in Corporate and unallocated costs, and (\$2.0) million relating to a credit received for overpayment of utility expenses in our North America segment; (iii) in the year ended December 31, 2021, \$4.2 million in compensation and taxes associated with exercises of legacy equity awards in our Europe segment, and \$3.8 million in expenses related to environmental matters and \$1.3 million in expenses related to fire damage and downtime at one of our facilities in our North America segment.

To conform with current period presentation, certain amounts in prior period information have been reclassified.

Net revenues by locality are as follows for the years ended December 31, as follows:

(amounts in thousands)	Year Ended December 31,		
	(amounts in thousands)	2023	2022
Net revenues by location of external customer		2021	(amounts in thousands)
U.S.			
U.S.			
U.S.			
Europe			
Canada			
Canada			
Canada			
U.S.			
South America (including Mexico)			
Europe			
Africa and other			
Africa and other			
Africa and other			
Total			

Geographic information regarding property, plant, and equipment which exceed 10% of consolidated property, plant, and equipment is as follows for the years ended December 31, as follows:

(amounts in thousands)	Year Ended December 31,		
	(amounts in thousands)	2023	2022
North America:		2021	(amounts in thousands)
U.S.			
U.S.			
U.S.			
Other			
	446,031		
Total North America			
Europe			
Europe			
Europe			
Corporate:			
Corporate:			
Corporate:			
U.S. and other			
U.S. and other			
U.S. and other			
Total property and equipment, net			
Total property and equipment, net			
Total property and equipment, net			

Note 15. Income Taxes

Income before taxes, is comprised of the following for the years ended December 31, as follows:

(amounts in thousands)	2023			2022			2021		
		2023	2022		2023	2022		2023	2021
Domestic income		\$ 11,217	\$ 63,130	\$ 54,991					
Foreign income (loss)		77,357	(32,866)	95,967					
Total income before taxes		\$ 88,574	\$ 30,264	\$ 150,958					

(amounts in thousands)	Year Ended December 31,		
	2024	2023	2022

Domestic (loss) income	\$ (133,002)	\$ 11,217	\$ 63,130
Foreign (loss) income	(37,816)	77,357	(32,866)
Total (loss) income before taxes	\$ (170,818)	\$ 88,574	\$ 30,264

Our foreign (loss) income is historically driven by our subsidiaries in Canada, Germany, Denmark, and United Kingdom.

Significant components of the provision for income taxes are as follows:

(amounts in thousands)	Year Ended December 31,		
	2024	2023	2022
Federal	\$ 231	\$ (2,464)	\$ 407
State	732	1,753	1,103
Foreign	32,783	40,452	19,558
Current taxes	33,746	39,741	21,068
Federal	(16,227)	4,220	14,075
State	668	7,757	(4,854)
Foreign	(1,425)	11,621	(12,248)
Deferred taxes	(16,984)	23,598	(3,027)
Total provision for income taxes	\$ 16,762	\$ 63,339	\$ 18,041

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Significant components of the provision (benefit) for income taxes are as follows for the years ended December 31:

(amounts in thousands)	2023			2022			2021		
	2023	2022	2021	2023	2022	2021	2023	2022	2021
Federal	\$ (2,464)	\$ 407	\$ 520						
State	1,753	1,103	480						
Foreign	40,452	19,558	31,862						
Current taxes	39,741	21,068	32,862						
Federal	4,220	14,075	3,689						
State	7,757	(4,854)	(5,927)						
Foreign	11,621	(12,248)	(10,988)						
Deferred taxes	23,598	(3,027)	(13,226)						
Total provision for income taxes	\$ 63,339	\$ 18,041	\$ 19,636						

Reconciliation of the U.S. federal statutory income tax rate to our effective tax rate is as follows:

(amounts in thousands)	Year Ended December 31,					
	2024		2023		2022	
	Amount	%	Amount	%	Amount	%
Statutory rate	\$ (35,860)	21.0%	\$ 18,601	21.0%	\$ 6,355	21.0%
State income tax, net of federal benefit	(3,093)	1.8%	1,959	2.2%	2,154	7.1%
Foreign source dividends and deemed inclusions	945	(0.6)%	1,906	2.2%	(237)	(0.8)%
Valuation allowance	24,595	(14.4)%	32,666	36.9%	(11,256)	(37.2)%
Nondeductible expenses	5,883	(3.4)%	2,661	3.0%	2,097	6.9%
Goodwill impairment	20,163	(11.8)%	—	—%	12,735	42.1%
Equity based compensation	1,245	(0.7)%	4,086	4.6%	2,486	8.2%
Foreign tax rate differential	(3,770)	2.2%	(488)	(0.6)%	(1,365)	(4.5)%
Tax rate differences and credits	1,078	(0.6)%	3,675	4.1%	3,469	11.5%
Uncertain tax positions	(889)	0.5%	(174)	(0.2)%	2,966	9.8%

Tax effect on sale of business ⁽¹⁾	4,099	(2.4)%	—	—%	—	—%
Prior year provision to return adjustments	1,451	(0.8)%	(571)	(0.6)%	(789)	(2.6)%
Other	915	(0.6)%	(982)	(1.1)%	(574)	(1.9)%
Effective tax rate	\$ 16,762	(9.8)%	\$ 63,339	71.5%	\$ 18,041	59.6%

(1) Tax effect on sale of business during the years year ended December 31:

(amounts in thousands)	2023		2022		2021	
	Amount	%	Amount	%	Amount	%
Statutory rate	\$ 18,601	21.0	\$ 6,355	21.0	\$ 31,702	21.0
State income tax, net of federal benefit	1,959	2.2	2,154	7.1	2,339	1.5
Foreign source dividends and deemed inclusions	1,906	2.2	(237)	(0.8)	(9,822)	(6.5)
Valuation allowance	32,666	36.9	(11,256)	(37.2)	(7,331)	(4.9)
Nondeductible expenses	2,661	3.0	2,097	6.9	2,741	1.8
Goodwill impairment	—	—	12,735	42.1	—	—
Equity based compensation	4,086	4.6	2,486	8.2	(787)	(0.5)
Foreign tax rate differential	(488)	(0.6)	(1,365)	(4.5)	(2,759)	(1.8)
Tax rate differences and credits	3,675	4.1	3,469	11.5	(10,264)	(6.8)
Uncertain tax positions	(174)	(0.2)	2,966	9.8	8,711	5.8
Change in indefinite reversal assertion	—	—	—	—	5,016	3.4
Prior year provision to return adjustments	(571)	(0.6)	(789)	(2.6)	210	0.1
Other	(982)	(1.1)	(574)	(1.9)	(120)	(0.1)
Effective tax rate	\$ 63,339	71.5%	\$ 18,041	59.6%	\$ 19,636	13.0%

December 31, 2024, primarily relates to the sale of our business in St. Kitts.

During the year ended December 31, 2023 December 31, 2024, we recognized an expense of \$32.7 million \$24.6 million from the increase to valuation allowances on foreign and state NOL and credit carryforwards, \$6.7 million \$20.2 million of tax expense attributable to nondeductible goodwill impairment, \$7.1 million of tax expense attributed to nondeductible expenses, and \$7.2 million \$4.5 million of tax expense attributed to the expiration of U.S. attributes partially offset by \$2.7 million of tax benefit attributable to research and development credits.

During the year ended December 31, 2023, we recognized an expense of \$32.7 million from the increase to valuation allowances on foreign and state NOL and credit carryforwards, \$6.7 million of tax expense attributed to nondeductible expenses, and \$7.2 million of tax expense attributed to the expiration of federal and state tax credit carryforwards partially offset by \$3.8 million \$3.8 million of tax benefit attributable to research and development credits.

During the year ended December 31, 2022, we recognized benefit of \$9.9 million from the reduction to state NOL and state credits valuation allowance, and \$1.9 million of tax benefit attributable to research and development tax credits, partially offset by \$12.7 million tax expense attributable to nondeductible goodwill impairment.

During the year ended December 31, 2021, we recognized \$12.2 million of U.S. tax benefits attributed to the effect of tax planning, primarily related to the impact of GILTI, a benefit of \$6.7 million from the reduction to state NOL and state credits valuation allowance, and \$3.6 million of tax benefit attributable to research and development tax credits, partially offset by \$5.0 million tax expense attributable to removing our assertion on certain undistributed foreign earnings.

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Deferred income taxes are provided for the temporary differences between the financial reporting basis and tax basis of our assets, liabilities, and operating loss carryforwards. Significant deferred tax assets and liabilities are as follows as of December 31: follows:

(amounts in thousands)	(amounts in thousands)	2023	2022	(amounts in thousands)	December 31, 2024	December 31, 2023
Net operating loss and tax credit carryforwards						
Operating lease liabilities						
Employee benefits and compensation						
Accrued liabilities and other						
Inventory						
Allowance for credit losses						
Investments and marketable securities						
Capitalized research and development expenses						
Gross deferred tax assets						
Valuation allowance						
Deferred tax assets						

Depreciation and amortization	
Operating lease assets	
Investments and marketable securities	
Investment in subsidiaries	
Investment in subsidiaries	
Investment in subsidiaries	
Deferred tax liabilities	
Net deferred tax assets	
Balance sheet presentation:	
Non-current assets	
Non-current assets	
Non-current assets	
Non-current liabilities	
Net deferred tax assets	

At December 31, 2023 December 31, 2024 and 2022 2023 the Company had net operating losses NOL in various federal, state, and foreign jurisdictions of approximately \$1,130.2 million \$1,152.4 million and \$1,115.0 \$1,130.2 million, respectively, which begin to expire in 2024. \$271.5 million 2025. \$252.6 million of such NOL carryforwards do not expire. In addition, the Company had tax credit carryforwards of \$44.3 million and \$40.3 million at December 31, 2024 and \$46.9 million at December 31, 2023 and 2022, 2023, respectively, which begin to expire in 2024, 2025.

Valuation Allowance – The realization of deferred tax assets is based on historical tax positions and estimates of future taxable income. We evaluate both the positive and negative evidence that we believe is relevant in assessing whether we will realize the deferred tax assets. We consider historical taxable income, the scheduled reversal of deferred tax liabilities (including the effect in available carry back carryback and carryforward periods), projected taxable income, and tax-planning strategies in making this assessment. A valuation allowance is recorded when it is more likely than not that some portion of the deferred tax assets will not be realized. To fully utilize the NOLs and tax credits carryforwards, we will need to generate sufficient future taxable income in each respective jurisdiction before the expiration of the deferred tax assets governed by the applicable tax code.

Based on the level of historical taxable income and projections for future taxable income over the periods for which the deferred tax assets are deductible, management believes that it is more likely than not that we will realize the benefits of these deductible differences, net of existing valuation allowances at December 31, 2023 December 31, 2024. The amount of the deferred tax asset considered realizable, however, could be reduced or increased in the near term if estimates of future taxable income during the carryforward periods are reduced or exceeded.

Subsequently recognized tax benefits related to the valuation allowance for deferred tax assets as of December 31, 2023 December 31, 2024, will be allocated to consolidated statement of operations.

We had a valuation allowance of \$78.1 million and \$54.8 million as of December 31, 2024 and 2023, respectively. The increase was primarily driven by an increase of \$19.2 million and an increase of \$5.3 million against our foreign and state net operating loss carryforwards, respectively.

We had a valuation allowance of \$54.8 million and \$21.0 million as of December 31, 2023 and December 31, 2022, 2022, respectively. The increase was primarily driven by an increase of \$30.0 million and \$2.7 million against our foreign and state net operating loss carryforwards, respectively.

We had a valuation allowance of \$21.0 million and \$31.8 million as of December 31, 2022 and December 31, 2021, respectively. The decrease was primarily driven by a decrease of \$9.9 million for state net operating loss carryforwards and state credit carryforwards.

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The following is the activity in our valuation allowance:

(amounts in thousands)	(amounts in thousands)	2023	2022	2021	(amounts in thousands)	2024	2023	2022
Balance as of January 1,								
Valuation allowances established								
Changes to existing valuation allowances								
Release of valuation allowances								
Currency translation								
Balance at period end								

Earnings of Foreign Subsidiaries – The Company continually evaluates its global cash needs. During the third quarter of 2021, the Company removed its indefinite reinvestment assertion on a majority of unremitted earnings and certain other aspects of outside basis differences in its foreign subsidiaries. Deferred tax expense of \$5.0 million was recorded for withholding and income taxes which would be owed if earnings were remitted to the U.S. parent. In 2023, the Company completed its sale of the Australasia business and correspondingly reduced its deferred tax liability related to the Australasia unremitted earnings in 2023. As of December, 31, 2023 December 31, 2024, we have \$2.3 million of deferred tax liability remaining on our balance sheet. The Company continued to make an indefinite reinvestment assertion on other aspects of the outside basis difference in foreign subsidiaries that would attract a tax cost in excess of the Company's cost of capital.

The Company repatriated ~~\$21.8~~ \$71.3 million and ~~\$132.8~~ \$21.8 million from certain foreign jurisdictions for the years ended ~~December 31, 2023~~ December 31, 2024 and ~~2022~~, 2023, respectively. The Company is asserting that its future earnings, in excess of previously taxed earnings, are permanently reinvested as of ~~December 31, 2023~~ December 31, 2024. The Company continues to make an indefinite reinvestment assertion on other aspects of the outside basis differences in foreign subsidiaries that would attract a significant cost of capital. No additional deferred tax expense is recorded on prospective earnings. We hold a combined book-over-tax outside basis difference of ~~\$245.1 million~~ \$187.5 million and ~~\$161.0~~ \$245.1 million as of ~~December 31, 2023~~ December 31, 2024 and ~~December 31, 2022~~ 2023, respectively, in our investment in foreign subsidiaries on a continuing operations basis and may incur up to ~~\$30.4 million~~ \$22.1 million of local country income and withholding taxes in case of distribution of unremitting earnings.

Dual-Rate Jurisdiction – Estonia and Latvia tax the corporate profits of resident corporations at different rates depending upon whether the profits are distributed. The undistributed profits of resident corporations are exempt from taxation while any distributed profits are subject to a 20% - 22% corporate income tax rate. The liability for the tax on distributed profits is recorded as an income tax expense in the period in which a dividend is declared. The balance of retained earnings of our Estonian subsidiary which, if distributed, would be subject to this tax was ~~\$85.0~~ \$87.3 million and ~~\$82.0 million~~ \$85.0 million as of ~~December 31, 2023~~ December 31, 2024 and ~~December 31, 2022~~ 2023, respectively. The balance of retained earnings of our Latvian subsidiary which, if distributed, would be subject to this tax was ~~\$32.8~~ \$32.6 million and ~~\$29.8 million~~ \$32.8 million as of ~~December 31, 2023~~ December 31, 2024 and ~~December 31, 2022~~ 2023, respectively.

Tax Payments and Balances – We made tax payments of ~~\$48.8 million~~ \$48.1 million, ~~\$48.8 million~~ and ~~\$46.8 million~~, ~~\$38.6 million~~ during the years ended ~~December 31, 2023~~ December 31, 2024, ~~2022~~, 2023 and ~~2021~~, 2022, respectively, primarily for foreign liabilities. We received tax refunds of ~~\$0.7 million~~ \$2.0 million, ~~\$1.9 million~~, ~~\$0.7 million~~ and ~~\$2.1 million~~ \$1.9 million during the years ended in ~~December 31, 2023~~ December 31, 2024, ~~2022~~, 2023 and ~~2021~~, 2022, respectively. Total receivables for tax refunds are recorded in other current assets in the accompanying balance sheets and totaled ~~\$15.3 million~~ and ~~\$14.2 million~~ at December 31, 2024 and ~~\$13.3 million~~ at December 31, 2023 and December 31, 2022, 2023, respectively. Foreign payables for taxes are recorded in accrued income taxes payable in the accompanying balance sheets and totaled ~~\$7.4 million~~ and ~~\$9.3 million~~ at December 31, 2024 and ~~\$9.4 million~~ at December 31, 2023 and December 31, 2022, 2023, respectively. We have ~~\$18.9 million~~ of non-current taxes receivable as of December 31, 2024. We do not have any non-current taxes payable as of ~~December 31, 2023~~ December 31, 2024 and ~~December 31, 2022~~ 2023.

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Accounting for Uncertain Tax Positions – A reconciliation of the beginning and ending amounts of unrecognized tax benefits excluding interest and penalties is as follows:

(amounts in thousands)	(amounts in thousands)	2023	2022	2021	(amounts in thousands)	2024	2023	2022
Balance as of January 1,								
Increase for tax positions taken during the prior period								
Decrease for tax positions taken during the prior period								
Decrease for settlements with taxing authorities								
Increase for tax positions taken during the current period								
Decrease due to statute expiration								
Currency translation								
Currency translation								
Currency translation								
Balance at period end - unrecognized tax benefit								

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Unrecognized tax benefits were ~~\$38.9 million~~ \$43.8 million, ~~\$38.9 million~~ and ~~\$29.3 million~~ at December 31, 2024, 2023 and ~~\$26.8 million~~ at December 31, 2023, 2022, and ~~2021~~, respectively. The increase is primarily related to management's assessment of a potential liability as a result of ongoing tax audit discussions in Europe as well as uncertainty on prior years' research and development tax credits in the U.S. The unrecognized tax benefit recorded in the current year is partially offset by an increase in deferred tax assets expected to be recovered should these liabilities be assessed. Interest and penalties related to ~~uncertain tax positions~~ UTPs are reported as a component of tax expense and included in the total ~~uncertain tax position~~ UTP balance within deferred credits and other liabilities in the accompanying consolidated balance sheets. There were amounts accrued associated with interest and penalties of ~~\$6.7 million~~ \$3.7 million, ~~\$9.8~~, ~~\$6.7 million~~ and ~~\$7.5 million~~ \$9.8 million at ~~December 31, 2023~~ December 31, 2024, ~~2022~~, 2023 and ~~2021~~, 2022, respectively.

There were benefits of ~~\$12.3 million~~ \$6.6 million, ~~\$18.1 million~~, ~~\$12.3 million~~ and ~~\$19.3 million~~ \$18.1 million included in the balance of unrecognized tax benefits as of ~~December 31, 2023~~ December 31, 2024, ~~2022~~, 2023 and ~~2021~~, 2022, respectively, that would affect the effective tax rate if recognized. Such benefits, if recognized, would be subject to a realizability assessment to the extent they increase our tax attributes. We cannot reasonably estimate the conclusion of certain non-U.S. income tax examinations and its outcome at this time.

We operate in numerous U.S., state, and foreign tax jurisdictions and are generally open to examination for tax years ~~2013~~ 2012 and forward. As of ~~December 31, 2023~~ December 31, 2024, the Company has subsidiaries in various state and foreign jurisdictions under audit for tax years 2011 through ~~2019~~, 2022.

Note 16. Capital Stock

Preferred Stock - Our Board of Directors is authorized to issue Preferred Stock from time to time in one or more series and with such rights, privileges, and preferences as the Board of Directors shall from time to time determine. We have not issued any shares of Preferred Stock.

Common Stock - Common Stock includes the basis of shares outstanding plus amounts recorded as additional paid-in capital. Shares outstanding exclude the shares issued to the Employee Benefit Trust that are considered similar to treasury shares and total 193,941 shares at both December 31, 2023 December 31, 2024 and December 31, 2022 2023 with a total original issuance value of \$12.4 million. \$12.4 million.

We record share repurchases on their trade date and reduce shareholders' equity and increase accounts payable. Repurchased shares are retired, and the excess of the repurchase price over the par value of the shares is charged to retained earnings.

On July 27, 2021 July 28, 2022, our the Board of Directors increased reduced our previous repurchase authorization of \$400.0 million to a total of \$400.0 million with no expiration date.

On July 28, 2022, our Board of Directors authorized a new share repurchase program, replacing our previous share repurchase authorization, with an aggregate value of \$200.0 million and with no expiration date. As of December 31, 2023 December 31, 2024, there have been no share repurchases \$175.7 million was remaining under this the repurchase program.

During the years ended December 31, 2024, and 2022, we repurchased 1,600,000 and 6,848,356 shares of our Common Stock at an average price of \$15.18 and \$19.12, respectively. We did not repurchase shares of our Common Stock during the year ended December 31, 2023. During the years ended December 31, 2022 and December 31, 2021, prior to the authorization of our new share repurchase program, we repurchased 6,848,356 and 11,564,009 shares, respectively, at an average price of \$19.12 and \$28.09, respectively.

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Note 17. Earnings Per Share

The basic and diluted income per share calculations were determined based on the following share data:

	2023	2023	2023	2022	2021	Year Ended December 31,	Year Ended December 31,	Year Ended December 31,	2024	2023	2022
Weighted average outstanding shares of Common Stock basic											
Weighted average outstanding shares of Common Stock basic											
Weighted average outstanding shares of Common Stock basic											
Restricted stock units, performance share units and options to purchase Common Stock											
Restricted stock units, performance share units and options to purchase Common Stock											
Restricted stock units, performance share units and options to purchase Common Stock											
Weighted average outstanding shares of Common Stock diluted											

For the year ended December 31, 2024, we had net losses from operations. As a result, no potentially dilutive securities were included in the denominator for computing diluted loss per share as their inclusion would have been antidilutive.

The following table provides the securities that could potentially dilute basic earnings per share in the future but were not included in the computation of diluted income per share as their inclusion would be anti-dilutive:

	2023	2023	2023	2022	2021	Year Ended December 31,	Year Ended December 31,	Year Ended December 31,	2024	2023	2022
Common Stock options											
Common Stock options											
Common Stock options											
Restricted stock units											
Restricted stock units											
Restricted stock units											
Performance share units											

Note 18. Stock Compensation

In connection with our IPO, the Board adopted, and our shareholders approved, the **JELD-WEN Holding, Inc. 2017 Omnibus Equity Plan**, (the "Omnibus Equity Plan"). Under the Omnibus Equity Plan, equity awards may be made in respect of 9,900,000 shares of our Common Stock and may be granted in the form of options, restricted stock, RSUs, stock appreciation rights, dividend equivalent rights, share awards, and performance-based awards (including performance share units and performance-based restricted stock).

Share-based compensation expense included in SG&A expenses totaled **\$17.5 million** **\$15.5 million**, **\$17.5 million** and **\$14.6 million** in December 31, 2024, 2023 and **\$20.0 million** in 2023, 2022, and 2021, respectively. As of December 31, 2023 December 31, 2024, there was **\$14.9 million** **\$11.3 million** of total unrecognized compensation expense related to non-vested share-based compensation arrangements. This cost is expected to be recognized over the remaining weighted-average vesting period of **1.5** **1.4** years.

Stock Options – Generally, stock option awards vest ratably each year on the anniversary date over a three-year period, have an exercise term of 10 years, and any vested options must be exercised within 90 days of the employee leaving the Company. The compensation cost of option awards is charged to expense based upon the graded-vesting method over the vesting periods applicable to the option awards. The graded-vesting method provides for vesting of portions of the overall awards at interim dates and results in greater expense in earlier years than the straight-line method.

When options are granted, we calculate the fair value of common and Class B-1 Common Stock options using multiple Black-Scholes option valuation models. Expected volatilities are based upon a selection of public guideline companies. The risk-free rate was based upon U.S. Treasury rates.

Key assumptions used in the valuation models were as follows for the years ended December 31: follows:

		2023		2022		2021		
		Year Ended December 31,						
		2024		2023		2022		
Expected volatility	Expected volatility	55.06% - 58.73%	51.33% - 60.06%	52.42% - 53.62%	Expected volatility	56.10% - 60.17%	55.06% - 58.73%	51.33% - 60.06%
Expected dividend yield rate	Expected dividend yield rate	0.00%		0.00% yield rate		0.00%		0.00%
Weighted average term (in years)	Weighted average term (in years)	5.5 - 6.5		5.5 - Weighted average term (in years)		5.5 - 6.5		5.5 - 6.5
Weighted average grant date fair value	Weighted average grant date fair value	\$7.43 - \$7.57	\$5.69 - \$11.96	\$14.39	Weighted average grant date fair value	\$7.47 - \$10.87	\$7.43 - \$7.57	\$5.69 - \$11.96
Risk free rate	Risk free rate	3.67% - 3.81%	1.91% - 3.51%	0.71% - 0.91%	Risk free rate	4.04% - 4.34%	3.67% - 3.81%	1.91% - 3.51%

The following table represents stock option activity:

	Shares	Shares	Weighted Average Exercise Price Per Share	Aggregate Intrinsic Value (millions)	Weighted Average Remaining Contract Term in Years	Shares	Weighted Average Exercise Price Per Share	Aggregate Intrinsic Value (millions)	Weighted Average Remaining Contract Term in Years
Outstanding as of January 1, 2021									
Outstanding as of January 1, 2022									
Granted									
Granted									
Granted									
Exercised									
Exercised									
Exercised									
Forfeited									
Forfeited									
Forfeited									
Balance as of December 31, 2021									

Balance as of December 31, 2021
Balance as of December 31, 2021
Balance as of December 31, 2022
Balance as of December 31, 2022
Balance as of December 31, 2022

Granted
Granted
Granted
Exercised
Exercised
Exercised
Forfeited
Forfeited
Forfeited

Balance as of December 31, 2022

Balance as of December 31, 2023

Granted
Granted
Granted
Exercised
Exercised
Exercised
Forfeited
Forfeited
Forfeited

Balance as of December 31, 2023
Balance as of December 31, 2023
Balance as of December 31, 2023

Balance as of				
December 31,				
2023	1,452,819	\$20.42	4.4	5.2
Balance as of				
December 31,				
2024				
Balance as of				
December 31,				
2024				
Balance as of				
December 31,				
2024	1,296,666	\$20.94	\$—	6.1
Exercisable as of				
December 31,				
2023				
Exercisable as of				
December 31,				
2023				
Exercisable as of				
December 31,				
2023	1,123,326	\$22.84	2.1	4.1
Exercisable as of				
December 31,				
2024				
Exercisable as of				
December 31,				
2024				
Exercisable as of				
December 31,				
2024	860,744	\$23.25	\$—	4.7

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RSUs – RSUs are subject to the continued service of the recipient through the vesting date, which is generally from issuance. **Beginning 2021**, RSUs granted vest ratably each year on the anniversary date generally over a three-year period rather than at the end of the three-year period. Once vested, the recipient will receive one share of Common Stock for each **restricted stock unit** **RSU**. The grant-date fair value per share used for RSUs was determined using the closing price of our

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Common Stock on the NYSE on the date of the grant. We apply this grant-date fair value per share to the total number of shares that we anticipate will fully vest and amortize the fair value to compensation expense over the vesting period using the straight-line method.

The following table represents RSU activity:

	Shares	Shares	Weighted Average Grant-Date Fair Value Per Share	Shares	Weighted Average Grant-Date Fair Value Per Share
Outstanding as of January 1, 2021					
Granted					
Granted					
Granted					
Vested					
Forfeited					
Balance as of December 31, 2021					
Outstanding as of January 1, 2022					
Granted					
Granted					
Granted					
Vested					

Forfeited	
Balance as of December 31, 2022	
Granted	
Granted	
Granted	
Vested	
Forfeited	
Balance as of December 31, 2023	
Granted	
Granted	
Granted	
Vested	
Forfeited	
Balance as of December 31, 2024	

PSUs— PSUs are subject to continued employment of the recipient through the vesting date, which is on the third anniversary of the grant. Once vested, the recipient will receive one share of Common Stock for each vested PSU.

For PSUs issued prior to 2021, the number of PSUs that vest is determined by a payout factor consisting of equally weighted performance measures of Adjusted EBITDA and Free Cash Flow, each as reported over the applicable three-year performance period and is adjusted based upon a market condition measured by our relative total shareholder return ("TSR") TSR over the applicable three-year performance period as compared to the TSR of the Russell 3000 index. For PSUs issued in 2021 and thereafter, the number of PSUs that vest is determined by a payout factor consisting of equally weighted pre-set three year three-year performance targets on return on invested capital ("ROIC") ROIC and TSR. The fair value of the award is estimated using a Monte Carlo simulation approach in a risk-neutral framework to model future stock price movements based on historical volatility, risk free rates of return, and correlation matrix.

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The following table represents PSU activity for the awarded shares at target performance measures:

	Shares	Shares	Weighted Average Grant-Date Fair Value Per Share	Shares	Weighted Average Grant-Date Fair Value Per Share
Outstanding as of January 1, 2021					
Outstanding as of January 1, 2022					
Granted					
Granted					
Granted					
Vested					
Forfeited					
Balance as of December 31, 2022					
Granted					
Granted					
Granted					
Forfeited					
Forfeited					
Forfeited					
Balance as of December 31, 2021					
Granted					
Granted					
Balance as of December 31, 2023					
Granted					
Vested					
Forfeited					
Balance as of December 31, 2022					
Granted					
Forfeited					
Forfeited					
Forfeited					

Balance as of December 31, 2023

Balance as of December 31, 2024

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Note 19. Restructuring and Asset Related Asset-Related Charges

We engage in restructuring activities focused on improving productivity and operating margins. Restructuring costs primarily relate to costs associated with workforce reductions, plant consolidations and closures, and changes to the management structure to align with our operations. Other restructuring associated costs for the year ended December 31, 2023, primarily consisted of equipment relocation and facility restoration costs. Other restructuring associated costs for the year ended December 31, 2022, primarily consisted of lease termination costs. Asset related Asset-related charges consist of accelerated depreciation and amortization of assets due to changes in asset useful lives.

The following table summarizes the restructuring and asset related asset-related charges for the periods indicated:

(amounts in thousands)	North America	Europe	Corporate and Unallocated Costs	Total Consolidated
Year Ended December 31, 2023				
Restructuring severance and termination charges	\$ 11,156	\$ 6,074	\$ 796	\$ 18,026
Other restructuring associated costs, net	10,189	(684)	—	9,505
Asset related charges	7,862	348	—	8,210
Other restructuring associated costs and asset related charges, net	18,051	(336)	—	17,715
Total restructuring and asset related charges	<u>\$ 29,207</u>	<u>\$ 5,738</u>	<u>\$ 796</u>	<u>\$ 35,741</u>
Year Ended December 31, 2022				
Restructuring severance and termination charges	\$ 6,842	\$ 3,773	\$ 3,223	\$ 13,838
Other restructuring associated costs	—	1,253	156	1,409
Asset related charges	496	1,016	863	2,375
Other restructuring associated costs and asset related charges	496	2,269	1,019	3,784
Total restructuring and asset related charges	<u>\$ 7,338</u>	<u>\$ 6,042</u>	<u>\$ 4,242</u>	<u>\$ 17,622</u>
Year Ended December 31, 2021				
Restructuring severance and termination charges	\$ (4)	\$ 701	—	\$ 697
Other restructuring associated costs, net	(28)	—	(97)	(125)
Asset related charges	1,232	752	—	1,984
Other restructuring associated costs and asset related charges, net	1,204	752	(97)	1,859
Total restructuring and asset related charges, net	<u>\$ 1,200</u>	<u>\$ 1,453</u>	<u>\$ (97)</u>	<u>\$ 2,556</u>
Year Ended December 31, 2024				
Restructuring severance and employee-related charges	\$ 14,146	\$ 16,347	\$ 1,350	\$ 31,843
Other restructuring associated costs, net	8,158	5,376	—	13,534
Asset-related charges	20,513	2,006	196	22,715
Other restructuring associated costs and asset-related charges, net	28,671	7,382	196	36,249
Total restructuring and asset-related charges, net	<u>\$ 42,817</u>	<u>\$ 23,729</u>	<u>\$ 1,546</u>	<u>\$ 68,092</u>
Year Ended December 31, 2023				
Restructuring severance and employee-related charges	\$ 11,156	\$ 6,074	\$ 796	\$ 18,026
Other restructuring associated costs, net	10,189	(684)	—	9,505
Asset-related charges	7,862	348	—	8,210
Other restructuring associated costs and asset-related charges, net	18,051	(336)	—	17,715
Total restructuring and asset-related charges, net	<u>\$ 29,207</u>	<u>\$ 5,738</u>	<u>\$ 796</u>	<u>\$ 35,741</u>

Year Ended December 31, 2022						
Restructuring severance and employee-related charges	\$ 6,842	\$ 3,773	\$ 3,223	\$ 13,838		
Other restructuring associated costs, net	—	1,253	156	1,409		
Asset-related charges	496	1,016	863	2,375		
Other restructuring associated costs and asset-related charges, net	496	2,269	1,019	3,784		
Total restructuring and asset-related charges, net	\$ 7,338	\$ 6,042	\$ 4,242	\$ 17,622		

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The following is a summary of the restructuring accruals recorded and charges incurred:

(amounts in thousands)

(amounts in thousands)

(amounts in thousands)

	2023	2022	2021	2024	2023	2022
Balance as of January 1						
Current period charges						
Payments						
Payments						
Current period charges, net						
Payments						
Currency translation						
Balance at period end						

Restructuring accruals are expected to be paid within the next 12 months and are included within accrued expenses and other current liabilities in the consolidated balance sheet.

On April 11, 2024, we announced plans to close two manufacturing facilities, located in Vista, California and Hawkins, Wisconsin in a continuing effort to simplify our footprint and drive operational efficiencies. As of December 31, 2024, the remaining restructuring accrual for these plans is \$0.8 million and the remaining cash outlay is expected to be \$4.4 million. We expect to substantially complete the facility closures by the first quarter of 2025.

Costs and cash outlays associated with the plans:

North America: Vista, California (Vista Composite Facility) and Hawkins, Wisconsin	Costs in the Year Ended		
	Total Estimated Costs	Cumulative Costs to-date	December 31, 2024
(amounts in thousands)			
Restructuring severance and employee-related charges, net ⁽¹⁾	\$ 6,800	\$ 6,825	\$ 6,825
Other restructuring associated costs ⁽¹⁾	7,000	4,511	4,511
Product-related cash charges ⁽²⁾	6,000	5,985	5,985
Total cash charges	19,800	17,321	17,321
Asset-related charges ⁽¹⁾	12,300	12,261	12,261
Inventory and other product-related non-cash charges ⁽³⁾	3,700	3,706	3,706
Total non-cash charges	16,000	15,967	15,967
Total costs	\$ 35,800	\$ 33,288	\$ 33,288
Total cash outlays ⁽⁴⁾	\$ 26,300	\$ 21,852	\$ 21,852

[Back \(1\)](#) The charges incurred in the year ended December 31, 2024, were included in restructuring and asset-related charges, net in the accompanying consolidated statement of operations.

[\(2\)](#) \$4.1 million and \$1.9 million of the product-related cash charges incurred in the year ended December 31, 2024, were detrimental to topnet sales and cost of sales, respectively, in the accompanying consolidated statement of operations.

[\(3\)](#) The inventory and other product-related non-cash charges in the year ended December 31, 2024, were included in cost of sales in the accompanying consolidated statement of operations.

[\(4\)](#) Total cash outlays includes \$5.5 million of estimated cash payments related to debt repayment for financed equipment.

During 2023, we announced plans to transform our European operations by changing the operating structure, eliminating certain roles and rationalizing our manufacturing footprint. We plan to close two manufacturing facilities and transfer production to other facilities within Europe. During the year ended December 31, 2024, we announced additional plans, increasing the total estimated costs by approximately \$3.3 million to \$24.1 million, after identifying additional opportunities to optimize our European operating structure. As of December 31, 2024, the remaining restructuring accrual for these plans is \$4.0 million and the remaining cash outlay is expected to be \$5.3 million. We expect to incur pre-tax restructuring expenses and other closure costs of approximately \$20.8 million for the approved actions, consisting of \$13.3 million in restructuring severance and termination charges, \$4.4 million in equipment relocation costs and \$3.1 million of capital expenditures. Through December 31, 2023, approximately \$3.5 million has been expensed in connection with substantially complete these actions, consisting primarily of \$3.1 million in restructuring severance and termination charges. We expect to incur a total pre-tax cash outlay of approximately \$20.8 million initiatives by the end of 2024 in connection 2025.

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Costs and cash outlays associated with the plans:

Europe (amounts in thousands)	Total Estimated		Costs in the Year Ended		Costs in the Year Ended	
	Costs	to-date	December 31, 2024		December 31, 2023	
Restructuring severance and employee-related charges ⁽¹⁾	\$ 18,200	\$ 17,365	\$ 14,283	\$ 3,082		
Other restructuring associated costs ⁽¹⁾	5,300	5,149	4,725	424		
Total cash charges	23,500	22,514	19,008	3,506		
Asset-related non-cash charges ⁽¹⁾	600	600	573	27		
Total costs	\$ 24,100	\$ 23,114	\$ 19,581	\$ 3,533		
Total cash outlays	\$ 23,500	\$ 18,200	\$ 16,100	\$ 2,100		

(1) The charges incurred in the years ended December 31, 2024 and 2023, were included in restructuring and asset-related charges in the accompanying consolidated statements of operations.

In the third quarter of 2024, we announced actions, plans to close two additional manufacturing facilities in Europe as part of which, \$2.1 million of our footprint rationalization activities. As of December 31, 2024, the remaining restructuring accrual for these plans is \$1.2 million and the remaining cash outlay has been expected to be \$8.6 million. We expect to substantially complete the facility closures by the end of 2026.

Costs and cash outlays associated with the plans:

Europe: Sheffield, England and Logstor, Denmark (amounts in thousands)	Total Estimated		Costs in the Year Ended	
	Costs	to-date	December 31, 2024	
Restructuring severance and employee-related charges ⁽¹⁾	\$ 5,300	\$ 2,142	\$ 2,142	
Other restructuring associated costs ⁽¹⁾	4,900	665	665	
Total cash charges	10,200	2,807	2,807	
Asset-related non-cash charges ⁽¹⁾	1,700	837	837	
Total costs	\$ 11,900	\$ 3,644	\$ 3,644	
Total cash outlays	\$ 10,200	\$ 1,600	\$ 1,600	

(1) The charges incurred as in the year ended December 31, 2024, were included in restructuring and asset-related charges in the accompanying consolidated statement of December 31, 2023, operations.

In the third quarter of 2023, we announced plans to close two manufacturing facilities, located in Tijuana, Mexico and Vista, California as part of our footprint rationalization activities. As of December 31, 2024, the remaining restructuring accrual for these plans is \$0.4 million and the remaining cash outlay is expected to be \$0.5 million. We expect to incur pre-tax restructuring expenses and other closure costs of approximately \$16.1 million, primarily consisting of \$8.2 million in restructuring severance and termination charges, \$3.7 million of asset related charges and \$2.1 million of equipment relocation and facility restoration costs. Through December 31, 2023, approximately \$12.1 million has been expensed in connection with the announced facility closures, consisting of \$7.8 million in restructuring severance and termination charges, \$3.7 million in asset related charges and \$0.6 million in equipment relocation and facility restoration costs. Additionally, \$1.5 million in other non-cash inventory charges were recorded against Cost of Sales and were detrimental to Adjusted EBITDA. We expect to incur a total pre-tax cash outlay of approximately \$10.3 million by the end of 2024 in connection 2024.

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Costs and cash outlays associated with the plans:

(amounts in thousands)	Total Estimated Costs	Cumulative Costs to-date	Costs in the Year Ended	
			December 31, 2024	December 31, 2023
Restructuring severance and employee-related charges ⁽¹⁾	\$ 7,800	\$ 7,631	\$ (182)	\$ 7,813
Other restructuring associated costs ⁽¹⁾	2,700	2,633	2,032	601
Total cash charges	10,500	10,264	1,850	8,414
Asset-related charges ⁽¹⁾	6,600	6,628	2,919	3,709
Inventory and other product-related non-cash charges ⁽²⁾	1,500	1,466	—	1,466
Total non-cash charges	8,100	8,094	2,919	5,175
Total costs	\$ 18,600	\$ 18,358	\$ 4,769	\$ 13,589
Total cash outlays	\$ 10,400	\$ 9,932	\$ 3,305	\$ 6,627

(1) The charges incurred in the years ended December 31, 2024 and 2023, were included in restructuring and asset-related charges in the accompanying consolidated statements of operations.

(2) The inventory and other product-related non-cash charges incurred during 2023 were included in cost of sales in the consolidated statement of operations.

In the third quarter of 2024, we announced closures to employees a restructuring plan to close a manufacturing facility in Wedowee, Alabama in a continuing effort to simplify our footprint and drive operational efficiencies. As of which, \$6.6 December 31, 2024, the remaining restructuring accrual for this plan is \$0.1 million of and the remaining cash outlay has been is expected to be \$0.4 million. We expect to substantially complete the facility closure by the first quarter of 2025.

Costs and cash outlays associated with the plans:

(amounts in thousands)	Total Estimated Costs	Cumulative Costs to-date	Costs in the Year Ended	
			December 31, 2024	December 31, 2023
Restructuring severance and employee-related charges ⁽¹⁾	\$ 1,000	\$ 986	\$ 986	\$ 986
Other restructuring associated costs ⁽¹⁾	500	249	249	249
Total cash charges	1,500	1,235	1,235	1,235
Inventory non-cash charges ⁽²⁾	2,100	2,112	2,112	2,112
Total costs	\$ 3,600	\$ 3,347	\$ 3,347	\$ 3,347
Total cash outlays	\$ 1,500	\$ 1,112	\$ 1,112	\$ 1,112

(1) The charges incurred as in the year ended December 31, 2024, were included in restructuring and asset-related charges in the accompanying consolidated statement of December 31, 2023, operations.

On January 26, 2023⁽²⁾ The inventory and other product-related non-cash charges in the year ended December 31, 2024, were included in cost of sales in the accompanying consolidated statement of operations.

In the first quarter of 2023, we announced to employees a restructuring plan to close a manufacturing facility in Atlanta, Georgia. We substantially completed the plant closure during the year ended December 31, 2023, with total cash outlays of \$12.9 million. We incurred pre-tax restructuring expenses and other closure costs of approximately \$17.7 million, which included including \$1.1 million of capital expenditures, expenditures, and total cash outlays of approximately \$12.9 million. The primary expenses incurred were accelerated depreciation and amortization, equipment relocation costs, and restructuring severance costs. We expect to incur the remaining cash expenses of approximately \$0.5 million to \$1.0 million, related to equipment relocation costs, during 2024, and employee-related charges.

Note 20. Held for Sale

During 2021, the Company ceased the appeal process for its litigation with Steves & Sons, Inc. ("Steves") further described in Note 25 - **C Commitments and Contingencies**.. As a result, we are required to divest the Company's Towanda, PA operations ("Towanda"). operations. As of December 31, 2023 December 31, 2024 and December 31, 2022, 2023, the assets and liabilities associated with the sale court-ordered divestiture of Towanda qualify as held for sale. Since the Company will continue manufacturing door skins for its internal needs, the court-ordered divestiture decision did not represent a strategic shift thereby precluding the court-ordered divestiture as qualifying as a discontinued operation. We will continue

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The Company records net assets held for sale at the lower of the carrying value or fair value less costs to sell. Effective December 13, 2024, pursuant to an order issued by the United States District Court for the Eastern District of Virginia, Richmond Division, JWI entered into an Asset Purchase Agreement to sell JWI's Towanda, results within our North America operations until Pennsylvania business and related assets for a purchase price of approximately \$115 million, subject to certain adjustments and closing conditions.

Effective January 17, 2025, pursuant to an order issued by the **divestiture is finalized**. United States District Court for the Eastern District of Virginia, Richmond Division, and the previously announced Asset Purchase Agreement dated October 11, 2024 and effective December 13, 2024, JWI completed the sale of its Towanda, Pennsylvania business. In connection with the Asset Purchase Agreement, the Company recognized a \$31.4 million goodwill impairment charge.

The **As of December 31, 2024 and 2023, the assets and liabilities classified as held for sale are those of Towanda.**

As of December 31, 2024 and 2023, the related assets and liabilities included within the summary below **are** **were** expected to be disposed of within the next twelve months and are included in assets held for sale and liabilities held for sale in the accompanying consolidated balance sheets.

<u>(amounts in thousands)</u>	<u>(amounts in thousands)</u>	December 31, 2023	December 31, 2022	<u>(amounts in thousands)</u>	December 31, 2024	December 31, 2023
Assets						
Inventory						
Inventory						
Inventory						
Assets:						
Accounts receivable, net ⁽¹⁾						
Accounts receivable, net ⁽¹⁾						
Accounts receivable, net ⁽¹⁾						
Inventories						
Other current assets						
Property and equipment						
Intangible assets						
Property and equipment, net						
Intangible assets, net						
Goodwill						
Operating lease assets						
Operating lease assets, net						
Allowance to reduce assets to estimated fair value, less costs to sell						
Assets held for sale						
Liabilities						
Liabilities						
Liabilities						
Liabilities:						
Liabilities:						
Liabilities:						
Accrued payroll and benefits						
Accounts payable ⁽¹⁾						
Accrued payroll and benefits						
Accounts payable ⁽¹⁾						
Accounts payable ⁽¹⁾						
Accrued payroll and benefits						
Accrued expenses and other current liabilities						
Current maturities of long term debt						
Operating lease liability						
Operating lease liability						
Operating lease liability						
Liabilities held for sale						

(1) The accounts receivable, net and accounts payable balances of Towanda will be assumed by the Purchaser upon closing per the Asset Purchase Agreement.

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Note 21. Interest Expense, Net

Interest expense, net is net of capitalized interest and interest income. Capitalized interest incurred during the construction phase of significant property and equipment additions totaled **\$1.1 million** **\$1.9 million**, **\$0.9 million**, **\$1.1 million** and **\$0.4 million** **\$0.9 million** for the years ended **December 31, 2023** **December 31, 2024**, **2023 and 2022**, and

2021, respectively. In the year ended December 31, 2024, we recognized increased interest income from interest income on temporary invested cash. We recognized interest income of \$19.0 million and \$5.8 million in the years ended December 31, 2023 and December 31, 2022, respectively, primarily from gains on our interest rate swap agreements reclassified to interest income. Refer to Note 23 - *Derivative Financial Instruments* for further more information. Interest income recorded during the year ended December 31, 2021 was not significant. Interest expense, net also includes amortization of debt issuance costs that are amortized using the effective interest method and amortization of original issue discounts.

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Note 22. Other Income, Net

The table below summarizes the amounts included in other income, net in the accompanying consolidated statements of operations:

		Year Ended December 31, 2024	Year Ended December 31, 2023	Year Ended December 31, 2022	
	(amounts in thousands)	(amounts in thousands)	2024	2023	2022
Cash received on investment in real estate					
Income from refund of deposits for China antidumping and countervailing duties ⁽¹⁾					
JW Australia Transition Services Agreement cost recovery					
Income from refund of deposits for China antidumping duties ⁽¹⁾					
Pension expense (gain)					
U.S. Employee Retention Credit ⁽²⁾					
Pension plan settlement expense ⁽³⁾					
Recovery of cost from interest received on impaired notes					
Insurance reimbursement					
Recovery of cost from receipts on impaired notes					
Governmental assistance ⁽²⁾					
Foreign currency losses (gains), net					
Income from short-term investments and forward contracts related to the JW Australia divestiture					
Insurance reimbursement					
Foreign currency gains, net					
Governmental assistance ⁽⁴⁾					
Legal settlement income					
U.S. Employee Retention Credit ⁽³⁾					
Pension plan settlement expense ⁽⁴⁾					
Credit for overpayments of utility expenses					
Other items, net					
Total other income, net					

(1) Represents estimated income from the refund of deposits for antidumping and countervailing duties on wood moldings mouldings and millwork products purchased from China between from 2020 through 2022, to 2023.

(2) Governmental assistance for the year ended December 31, 2024, consisted primarily of a grant received by our North America business and energy subsidies received by our European businesses. Governmental assistance for the year ended December 31, 2023, consisted primarily of energy subsidies received by our European businesses. Governmental assistance for the year ended December 31, 2022, consisted primarily of cash received from government pandemic assistance programs in Europe and North America as a result of COVID-19. During the year ended December 31, 2022, we recognized \$0.6 million of government pandemic assistance within our Europe segment.

(3) Represents an ERC from the U.S. government during the year ended December 31, 2023. The ERC is a refundable tax credit to partially refund qualified wages paid to employees that were unable to work during the years ended December 31, 2020 and December 31, 2021 2021 due to COVID-related government restrictions.

(3)(4) Represents a settlement loss associated with our U.S. defined benefit pension plan resulting from a one-time lump sum payment offered to pension plan participants. Refer to Note 26 - *Employee Retirement and Pension Benefits* for additional more information.

(4) Governmental assistance for the year ended December 31, 2023 consisted primarily of energy subsidies received by our European businesses. Governmental assistance for years ended December 31, 2022, and December 31, 2021 consisted primarily of cash received from government pandemic assistance programs in Europe and North America as a result of COVID-19. During the year ended December 31, 2022, we recognized \$0.6 million of government pandemic assistance within our Europe segment. During the year ended December 31, 2021 we recognized \$1.6 million of government pandemic assistance within our Europe and North America segments.

To conform with current period presentation, certain amounts in prior period information have been reclassified.

Note 23. Derivative Financial Instruments

Foreign currency derivatives not designated as hedges – As a multinational corporation, we are exposed to the impact of foreign currency fluctuations. To the extent borrowings, sales, purchases, or other transactions are not executed in the local currency of the operating unit, we are exposed to foreign currency risk. In most of the countries in which we operate, the exposure to foreign currency movements is limited because the operating revenues and expenses of our business units are substantially denominated in the local currency. To mitigate the exposure, we may enter into a variety of foreign currency derivative contracts. To manage the effect of exchange fluctuations on **forecasted sales, purchases, acquisitions, capital expenditures, and certain intercompany transactions and intercompany loans and interest** that are denominated in foreign currencies, we have foreign currency derivative contracts with a total notional amount of **\$95.9 million** **\$148.4 million** as of December 31, 2023. We have foreign currency derivative

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contracts, with a total notional amount of **\$140.1 million**, to manage the risks of foreign currency gains and losses on intercompany loans and interest. We also are subject to currency translation risk associated with converting our foreign operations' financial statements into U.S. dollars. To mitigate the impact to the consolidated earnings of the Company from the effect of the translation of certain subsidiaries' local currency results into U.S. dollars, we have foreign currency derivative contracts with a total notional amount of **\$28.9 million** as of December 31, 2023 **December 31, 2024**. We do not use derivative financial instruments for trading or speculative purposes. As of December 31, 2023, we have not elected hedge accounting for any foreign currency derivative contracts. We record mark-to-market changes in the values of these derivatives in other income, net. We recorded mark-to-market gains of **\$0.5 million**, losses of **\$2.7 million** and gains of **\$1.1 million** relating to foreign currency derivatives in the years ended December 31, 2024, 2023 and 2022, respectively.

Foreign currency derivatives designated as cash flow hedges – At the end of 2024 we implemented a hedging program to manage the potential changes in value associated with the amounts payable on raw material purchases that are denominated in foreign currencies to minimize the impact of the changes in foreign currencies. We have foreign currency derivative contracts, which qualify as cash flow hedges, with a total notional amount of **\$163.3 million**. We record gains and losses for these contracts in AOCL to the extent that these hedges are effective and until we recognize the underlying transactions in net earnings, at which time we recognize these gains and losses in cost of sales on our consolidated statements of operations.

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Net unrealized pre-tax gains/losses related to foreign currency derivative contracts, which qualify as cash flow hedges included in other comprehensive income (loss) were a **\$0.3 million** gain for the year ended December 31, 2023 and gains of **\$1.1 million** and **\$6.3 million** December 31, 2024. The unrealized amount in other comprehensive income (loss) will fluctuate based on changes in the years ended December 31, 2022 and December 31, 2021 fair value of open contracts during each reporting period.

As of December 31, 2024, respectively, approximately **\$0.3 million** in gains is expected to be reclassified to earnings over the next 12 months.

Net investment hedges – On April 18, 2023, we entered into forward contracts to sell a total of AUD 420.0 million and receive USD at exchange rates ranging from 0.6751 USD to 0.6759 USD to 1.0 AUD to mitigate the impact of the **Australian dollar AUD** currency fluctuations on our net investment in JELD-WEN Australia Pty. Ltd. We designated the forward contracts as net investment hedges. The contracts matured during the **third quarter of 2023 ended September 30, 2023**, and the gain, net of forward points, was included in the gain on the sale of JW Australia. The **net** proceeds are included in the proceeds (payments) related to the sale of JW Australia within our consolidated statements of cash flows. No portion of these contracts were deemed ineffective during the year ended December 31, 2023.

Interest rate derivatives – We are exposed to interest rate risk in connection with our variable rate long-term debt. In May 2020, we entered into interest rate swap agreements with notional amounts aggregating to **\$370.0 million** **\$370.0 million** to manage this risk. The interest rate swap agreements matured in December 2023. Initially, the agreements had a weighted average fixed rate of 0.395% swapped against one-month USD LIBOR floored at 0.00%. In June 2023, we amended the agreements to replace LIBOR with a Term SOFR based rate. The amended agreements had a weighted average fixed rate of 0.317% swapped against one-month USD-SOFR CME Term floored at (0.10%). All other terms and conditions were unchanged. We designated the interest rate swap agreements as cash flow hedges, and they effectively fixed the interest rate on a corresponding portion of the aggregate debt outstanding under our Term Loan Facility.

In February 2024, we entered into interest rate collar agreements with a cap rate of 4.50% paid against one-month USD-SOFR CME Term floored at 3.982% and 3.895% with outstanding notional amounts aggregating to **\$100.0 million** corresponding to that amount of the debt outstanding under our Term Loan Facility. The interest rate collar agreements were designated as cash flow hedges of a portion of the interest obligations on our Term Loan Facility borrowings and are set to mature in February 2026.

No portion of these interest rate contracts were deemed ineffective during the year ended December 31, 2023 December 31, 2024. We In other comprehensive income (loss), we recorded pre-tax mark-to-market gains of **\$1.2 million** **\$0.4 million**, **\$17.9 million**, **\$1.2 million** and **\$4.1 million** **\$17.9 million** during the years ended December 31, 2023 December 31, 2024, 2023 and 2022, and 2021, respectively, in other comprehensive income, respectively. We reclassified gains of **\$0.5 million**, **\$17.4 million** and **\$5.0 million** **\$5.0 million** previously recorded in other comprehensive income (loss) to interest income during the years ended December 31, 2023 December 31, 2024, 2023 and December 31, 2022 2022, respectively.

As of December 31, 2024, respectively, and losses of **\$1.1 million** a nominal loss is expected to be reclassified to interest expense during income over the years ended December 31, 2021.

During the first quarter of 2019, we entered into two interest rate cap contracts against three-month USD LIBOR, each with a cap rate of 3%. These caps had a combined notional amount of **\$150.0 million**, became effective in March 2019, and matured in December 31, 2021. We did not elect hedge accounting and recorded insignificant mark-to-market adjustments in the year ended December 31, 2021. next 12 months.

Other derivative instruments – From time to time, we enter into other types of derivative instruments immaterial to the consolidated financial statements. Unless otherwise disclosed, these instruments are not designated as hedging instruments and mark-to-market adjustments are recorded in the statement of operations each period.

The fair values of derivative instruments held are as follows:

(amounts in thousands)		Derivative assets		December 31, 2023		December 31, 2022		
		Balance Sheet Location		December 31, 2023		December 31, 2022		
(amounts in thousands)	Balance Sheet Location	Derivative liabilities		Derivative assets		Balance Sheet Location	December 31, 2024	December 31, 2023
		December 31, 2023	December 31, 2022	(amounts in thousands)	Balance Sheet Location			
Derivatives designated as hedging instruments:								
Interest rate contracts	Other current assets			\$	—	\$	16,235	
Derivatives not designated as hedging instruments:								
Foreign currency forward contracts	Other current assets			\$	1,186	\$	3,809	
Other derivative instruments	Other current assets				38		73	
Derivatives not designated as hedging instruments:								
Foreign currency forward contracts								
Foreign currency forward contracts								
Foreign currency forward contracts								
Derivatives not designated as hedging instruments:								
Foreign currency forward contracts								
Foreign currency forward contracts								
Foreign currency forward contracts								
Other derivative instruments								
Other derivative instruments								
Other derivative instruments								

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(amounts in thousands)		Derivative liabilities		December 31, 2024		December 31, 2023	
		Balance Sheet Location		December 31, 2024		December 31, 2023	
Derivatives designated as hedging instruments:							
Foreign currency forward contracts	Accrued expenses and other current liabilities			\$	135	\$	—
Interest rate contracts	Accrued expenses and other current liabilities			\$	101	\$	—
Interest rate contracts	Deferred credits and other liabilities			\$	36	\$	—
Other derivative instruments	Accrued expenses and other current liabilities			\$	185	\$	—
Derivatives not designated as hedging instruments:							
Foreign currency forward contracts	Accrued expenses and other current liabilities			\$	2,411	\$	2,975
Other derivative instruments	Accrued expenses and other current liabilities			\$	73		21

Note 24. Fair Value of Financial Instruments

We record financial assets and liabilities at fair value based on FASB guidance related to fair value measurements. The guidance requires fair value to be determined based on the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants at the measurement date. Three levels of inputs may be used to measure fair value:

- Level 1 – Quoted prices in active markets for identical assets or liabilities.
- Level 2 – Quoted market-based inputs or unobservable inputs that are corroborated by market data.
- Level 3 – Unobservable inputs that are not corroborated by market data.

The recorded carrying amounts and fair values of these instruments were as follows:

	December 31, 2023						December 31, 2024						
	(amounts in thousands)	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3	Assets measured at NAV ⁽¹⁾	(amounts in thousands)	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3
Assets:													
Cash equivalents													
Cash equivalents													
Cash equivalents													
Derivative assets, recorded in other current assets													
Deferred compensation plan assets, recorded in other assets													
Deferred compensation plan assets, recorded in other assets													
Deferred compensation plan assets, recorded in other assets													
Pension plan assets:													
Cash and short-term investments													
Cash and short-term investments													
Cash and short-term investments													
U.S. Government and agency obligations													
Corporate and foreign bonds													
Asset-backed securities													
Mutual funds													
Mutual funds													
Mutual funds													
Common and collective funds													
Liabilities:													
Debt, recorded in long-term debt and current maturities of long-term debt													
Debt, recorded in long-term debt and current maturities of long-term debt													
Debt, recorded in long-term debt and current maturities of long-term debt													
Derivative liabilities, recorded in accrued expenses and other current liabilities													
Derivative liabilities, recorded in accrued expenses and other current liabilities													
Derivative liabilities, recorded in accrued expenses and other current liabilities													
Derivative liabilities, recorded in deferred credits and other liabilities													

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	December 31, 2022						December 31, 2023						
	(amounts in thousands)	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3	Assets measured at NAV ⁽¹⁾	(amounts in thousands)	Carrying Amount	Total Fair Value	Level 1	Level 2	Level 3
Assets:													
Cash equivalents													
Cash equivalents													
Cash equivalents													

Derivative assets, recorded in other current assets
Deferred compensation plan assets, recorded in other assets
Deferred compensation plan assets, recorded in other assets
Deferred compensation plan assets, recorded in other assets
Pension plan assets:
Cash and short-term investments
Cash and short-term investments
Cash and short-term investments
U.S. Government and agency obligations
Corporate and foreign bonds
Equity securities
Equity securities
Asset-backed securities
Equity securities
Mutual funds
Common and collective funds

Liabilities:

Debt, recorded in long-term debt and current maturities of long-term debt
Debt, recorded in long-term debt and current maturities of long-term debt
Debt, recorded in long-term debt and current maturities of long-term debt

Derivative liabilities, recorded in accrued expenses and other current assets

(1) Certain pension assets that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. These include investments in large cap equity and commingled real estate funds, which are valued using the NAV provided by the administrator of the funds. Redemption of these funds is not subject to restriction.

Derivative assets and liabilities reported in level 2 primarily include: (1) as of December 31, 2023, foreign currency derivative contracts; (2) as of December 31, 2022 December 31, 2024, foreign currency derivative contracts and interest rate swap agreements. See collar agreements; (2) as of December 31, 2023, foreign currency derivative contracts. Refer to Note 23 - Derivative Financial Instruments for additional more information about our derivative assets and liabilities.

Deferred compensation plan assets reported in level 2 consist of mutual funds. funds and corporate-owned life insurance.

There are no material non-financial assets or liabilities as of December 31, 2023 December 31, 2024 or December 31, 2022 December 31, 2023.

Note 25. Commitments and Contingencies

Litigation – We are involved in various legal proceedings, claims, and government audits arising in the ordinary course of business. We record our best estimate of a loss when the loss is considered probable, and the amount of such loss can be reasonably estimated. When a loss is probable and there is a range of estimated loss with no best estimate within the range, we record the minimum estimated liability related to the lawsuit or claim. As additional information becomes available, we reassess the potential liability and revise our accruals, if necessary. Because of uncertainties related to the resolution of lawsuits and claims, the ultimate outcome may differ materially from our estimates.

Other than the matters described below, there were no proceedings or litigation matters involving the Company or its property as of December 31, 2023 December 31, 2024 that we believe would have a material adverse effect on our consolidated financial position or cash flows, although they could have a material adverse effect on our operating results for a particular reporting period.

Steves & Sons, Inc. vs v JELD-WEN, Inc. – We sell molded door skins to certain customers pursuant to long-term contracts, and these customers in turn use the molded door skins to manufacture interior doors and compete directly against us in the marketplace. We gave notice of termination of one of these contracts and, on June 29, 2016, the counterparty to the agreement, Steves & Sons, Inc. ("Steves") filed a claim against JWJ in the U.S. District Court for the Eastern District of Virginia, Richmond Division (the "Eastern District of Virginia"). The complaint alleged that our acquisition of CMI, a competitor in the molded door skins market, together with subsequent price increases and other alleged acts and omissions, violated antitrust laws, and constituted a breach of contract and breach of warranty. Specifically, the complaint alleged that our acquisition of CMI substantially lessened competition in the molded door skins market. The complaint sought declaratory relief, ordinary and treble damages, and injunctive relief, including divestiture of certain assets acquired in the CMI acquisition.

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In February 2018, a jury in the Eastern District of Virginia returned a verdict that was unfavorable to JWI with respect to Steves' claims that our acquisition of CMI violated Section 7 of the Clayton Act, and found that JWI breached the supply agreement between the parties (the "Original Action"). The verdict awarded Steves \$12.2 million for past damages under both the Clayton Act and breach of contract claims and \$46.5 million in future lost profits under the Clayton Act claim.

During the course of the proceedings in the Eastern District of Virginia, we discovered certain facts that led us to conclude that Steves, its principals, and certain former employees of the Company had misappropriated Company trade secrets, violated the terms of various agreements between the Company and those parties, and violated other laws. On May 11, 2018, a jury in the Eastern District of Virginia returned a verdict on our trade secrets claims against Steves and awarded damages in the amount of \$1.2 million. The presiding judge entered a judgment in our favor for those damages, and the entire amount has been paid by Steves. On August 16, 2019, the presiding judge granted Steves' request for an injunction, prohibiting us from pursuing certain claims against individual defendants pending in Bexar County, Texas (the "Steves Texas Trade Secret Theft Action"). On September 11, 2019, **JELD-WEN JWI** filed a notice of appeal of the Eastern District of Virginia's injunction to the Fourth Circuit Court of Appeals (the "Fourth Circuit").

On March 13, 2019, the presiding judge entered an Amended Final Judgment Order in the Original Action, awarding \$36.5 million in past damages under the Clayton Act (representing a trebling of the jury's verdict) and granted divestiture of certain assets acquired in the CMI acquisition, subject to appeal. The judgment also conditionally awarded damages in the event the judgment was overturned on appeal. Specifically, the court awarded \$139.4 million as future antitrust damages in the event the divestiture order was overturned on appeal and \$9.9 million as past contract damages in the event both the divestiture and antitrust claims were overturned on appeal.

On April 12, 2019, Steves filed a petition requesting an award of its fees and a bill of costs, seeking \$28.4 million in attorneys' fees and \$1.7 million in costs in connection with the Original Action. On November 19, 2019, the presiding judge entered an order for further relief awarding Steves an additional \$7.1 million in damages for pricing differences from the date of the underlying jury verdict through May 31, 2019 (the "Pricing Action"). We also appealed that ruling. On April 14, 2020, Steves filed a motion for further supplemental relief for pricing differences from the date of the prior order and going forward through the end of the parties' current supply agreement (the "Future Pricing Action"). We opposed that request for further relief.

JELD-WEN JWI filed a supersedeas bond and notice of appeal of the judgment, which was heard by the Fourth Circuit on May 29, 2020. On February 18, 2021, the Fourth Circuit issued its decision on appeal in the Original Action, affirming the Amended Final Judgment Order in part and vacating and remanding in part. The Fourth Circuit vacated the Eastern District of Virginia's alternative \$139.4 million \$139.4 million lost-profits award, holding that award was premature because Steves has not suffered the purported injury on which its claim for future lost profits rests. The Fourth Circuit also vacated the Eastern District of Virginia's judgment for Sam Steves, Edward Steves, and John Pierce on **JELD-WEN's JWI's** trade secrets claims. The Fourth Circuit affirmed the Eastern District of Virginia's finding of antitrust injury and its award of \$36.5 million \$36.5 million in past antitrust damages. It also affirmed the Eastern District of Virginia's divestiture order, while clarifying that **JELD-WEN JWI** retains the right to challenge the terms of any divestiture, including whether a sale to any particular buyer will serve the public interest, and made clear that the Eastern District of Virginia may need to revisit its divestiture order if the special master who has been appointed by the presiding judge cannot locate a satisfactory buyer. **JELD-WEN JWI** then filed a motion for rehearing en banc with the Fourth Circuit that was denied on March 22, 2021.

Following On May 1, 2024, **JWI** filed a thorough review, and consistent motion to modify the Amended Final Judgment (the "Motion") with our practice, we concluded that it is in the best interest Eastern District of Virginia to vacate all court orders requiring divestiture of the Company Company's Towanda operations and its stakeholders certain related assets ("Towanda") in light of changed industry and market factors and conditions. The court-mandated divestiture process continued while the court reviewed the Motion. On October 25, 2024, the Special Master submitted a Report and Recommendation to move forward with the court recommending that the court approve the divestiture of Towanda to Woodgrain Inc. ("Woodgrain") for approximately \$115 million, subject to customary closing adjustments. On November 14, 2024, **JWI** and Steves each filed certain related assets. Although the Company did not seek Supreme Court review of the Fourth Circuit's February 18, 2021 decision, the Company retains the legal right to challenge the divestiture process and the final divestiture order. We made estimates related objections to the Report and Recommendation. On December 13, 2024, the court adopted the Special Master's Report and Recommendation, denying **JWI's** Motion, overruling **JWI's** objections, and sustaining in part and overruling in part Steves' objections. The court-ordered divestiture in the preparation of our financial statements; however, there can be no guarantee that the divestiture will be consummated. The divestiture process is ongoing, and the special master is overseeing this process. Although the Company has decided to divest, we continue to believe that Steves' claims lacked merit and that it was not entitled to the extraordinary remedy of divestiture. We continue to believe that the judgment in accordance with the verdict was improper under applicable law. closed on January 17, 2025.

During the pendency of the Original Action, on February 14, 2020, Steves filed a complaint and motion for preliminary injunction in the Eastern District of Virginia alleging that we breached the long-term supply agreement between the parties, including, among other claims, by incorrectly calculating the allocation of door skins owed to Steves (the "Allocation Action"). Steves sought an additional allotment of door skins and damages for violation of antitrust laws, tortious interference, and breach of contract. On April 10, 2020, the presiding judge granted Steves' motion for preliminary injunction, and the parties settled the issues underlying the preliminary injunction on April 30, 2020, and the Company reserved the right to appeal the ruling in the Fourth Circuit. The Company believed all the claims lacked merit and moved to dismiss the antitrust and tortious interference claims.

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On June 2, 2020, we entered into a settlement agreement with Steves to resolve the Pricing Action, the Future Pricing Action, and the Allocation Action. As a result of the settlement, Steves filed a notice of satisfaction of judgment in the

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Pricing Action, withdrew its Future Pricing Action with prejudice, and filed a stipulated dismissal with prejudice in the Allocation Action. The Company also withdrew its appeal of the Pricing Action. The parties agreed to bear their own respective attorneys' fees and costs in these actions. In partial consideration of the settlement, **JWI** and Steves entered into an amended supply agreement satisfactory to both parties that, by its terms, ended on September 10, 2021. This settlement had no effect on the Original Action between the parties except to agree that certain specific terms of the Amended Final Judgment Order in the Original Action would apply to the amended supply agreement during the pendency of the appeal of the Original Action. On April 2, 2021, **JWI** and Steves filed a stipulation regarding the amended supply agreement in the Original Action, stating that regardless of whether the case remains on appeal as of September 10, 2021, and absent further order of the court, the amended supply

agreement would be extended until the divestiture of Towanda and certain related assets is complete and Steves' new supply agreement with the company that acquires Towanda is in effect.

We continue to believe the claims in the settled actions lacked merit and made no admission of liability in these matters.

On October 7, 2021, we entered into a settlement agreement with Steves to resolve the following: (i) Steves' past and any future claims for attorneys' fees, expenses, and costs in connection with the Original Action, except that Steves and JWJ each reserved the right to seek attorneys' fees arising out of any challenge of the divestiture process or the final divestiture order; (ii) the Steves Texas Trade Secret Theft Action and the related Fourth Circuit appeal of the Eastern District of Virginia's injunction in the Original Action; (iii) the past damages award in the Original Action; and (iv) any and all claims and counterclaims, known or unknown, that were asserted or could have been asserted against each other from the beginning of time through the date of the settlement agreement. As a result of the settlement, the parties filed a stipulated notice of satisfaction of the past antitrust damages judgment and a stipulated notice of settlement of Steves' claim for attorneys' fees, expenses, and costs against JWJ in the Original Action, and Steves filed a notice of withdrawal of its motion for attorneys' fees and expenses and bill of costs in the Original Action. The Company also filed a notice of dismissal with prejudice and agreed to take no judgment in the Steves Texas Trade Secret Theft Action, and the parties filed a joint agreement for dismissal of the injunction appeal in the Fourth Circuit. On November 3, 2021, we paid \$66.4 million to Steves under the settlement agreement.

Cambridge Retirement System v. JELD-WEN Holding, Inc., et al. – On February 19, 2020, Cambridge Retirement System filed a putative class action lawsuit in the Eastern District of Virginia against the Company, current and former Company executives, and various Onex-related entities alleging violations of Section 10(b) and Rule 10b-5 of the Exchange Act, as well as violations of Section 20(a) of the Exchange Act against the individual defendants and Onex-related entities ("Cambridge"). The lawsuit sought compensatory damages, equitable relief, and an award of attorneys' fees and costs. On May 8, 2020, the Public Employees Retirement System of Mississippi and the Plumbers and Pipefitters National Pension Fund were named as co-lead plaintiffs and filed an amended complaint on June 22, 2020.

On April 20, 2021, the parties reached an agreement in principle to resolve this securities class action. The agreement contemplated a full release of claims through the date of preliminary court approval of the settlement in exchange for a payment of \$39.5 million, primarily funded by the Company's D&O insurance carriers, except \$5.0 million which was provisionally funded by the Company and remains subject to dispute with insurance carriers. On November 22, 2021, the Court granted final approval of the settlement agreement. The deadline to appeal the entry of the final approval order and judgment was December 22, 2021, and no party or class member filed an appeal. The Company continues to believe that the plaintiffs' claims lacked merit and has denied any liability or wrongdoing for the claims made against the Company.

In re JELD-WEN Holding, Inc. Derivative Litigation – On February 2, 2021, Jason Aldridge, on behalf of the Company, filed a derivative action in the U.S. District Court for the District of Delaware against certain current and former executives and directors of the Company, alleging that the individual defendants breached their fiduciary duties by allowing the wrongful acts alleged in the Steves and Cambridge actions, as well as violations of Section 14(a) and 20(a) of the Exchange Act, unjust enrichment, and waste of corporate assets among other allegations (the "Aldridge Action"). The lawsuit sought compensatory damages, equitable relief, and an award of attorneys' fees and costs. The plaintiff filed an amended complaint on May 10, 2021.

On June 21, 2021, prior to a response from the Company in the Aldridge Action, Shieta Black and the Board of Trustees of the City of Miami General Employees' & Sanitation Employees' Retirement Trust, on behalf of the Company, filed a derivative action in the U.S. District Court for the District of Delaware against certain current and former executives and directors of the Company and Onex Corporation ("Onex"), alleging that the defendants breached their fiduciary duties by allowing the wrongful acts alleged in the Steves and Cambridge actions, as well as insider trading, and unjust enrichment among other allegations (the "Black Action"). The lawsuit sought compensatory damages, corporate governance reforms, restitution, equitable relief, and an award of attorneys' fees and costs. The court granted the Black and Aldridge plaintiffs in motion to consolidate the lawsuits on July 16, 2021.

On June 20, 2022, the parties entered into a settlement agreement of the consolidated matters, which was approved by the Court on approval of the December 20, 2022, and the cases were dismissed with prejudice. In January 2023, the Company,

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as putative plaintiff, received approximately \$10.5 million after attorneys' fees and costs were deducted as part of the settlement.

In re Interior Molded Doors Antitrust Litigation – On October 19, 2018, Grubb Lumber Company, on behalf of itself and others similarly situated, filed a putative class action lawsuit against us and one of our competitors in the doors market, Masonite Corporation ("Masonite"), in the Eastern District of Virginia. We subsequently received additional complaints from and on behalf of direct and indirect purchasers of interior molded doors. The suits were consolidated into two separate actions, a Direct Purchaser Action and an Indirect Purchaser Action. The suits alleged that Masonite and JELD-WEN violated Section 1 of the Sherman Act, and in the Indirect Purchaser Action, related state law antitrust and consumer protection laws, by engaging in a scheme [Back to artificially raise, fix, maintain, or stabilize the prices of interior molded doors in the United States. The complaints sought ordinary and treble damages, declaratory relief, interest, costs, and attorneys' fees.](#) [top](#)

On August 31, 2020, JELD-WEN and Masonite entered into a settlement agreement with the putative Direct Purchaser class to resolve the Direct Purchaser Action. Each defendant agreed to pay a total of \$30.8 million to the named plaintiffs and the settlement class in exchange for a full release of claims through the date of preliminary approval of the revised settlement, which the court granted on February 5, 2021. In addition, on September 4, 2020, JELD-WEN and Masonite entered into a separate settlement agreement with the putative Indirect Purchaser class to resolve the Indirect Purchaser Action. Each defendant agreed to pay \$9.75 million to the named plaintiffs and the settlement class in exchange for a full release of claims through the execution date of the settlement agreement. The final fairness hearing in the Direct Purchaser Action was held on June 2, 2021, and the court entered a final approval order and judgment on June 3, 2021. On June 17, 2021, the Company made the settlement payment to the named plaintiffs and the settlement class in the Direct Purchaser Action. The deadline to appeal the entry of the final approval order and judgment was July 7, 2021, and no party or class member filed an appeal. The final fairness hearing in the Indirect Purchaser Action was held on July 26, 2021 and the court issued a final approval order and judgment on July 27, 2021. On August 10, 2021, the Company made the settlement payment to the named plaintiffs and the settlement class in the Indirect Purchaser Action. The deadline to appeal the entry of the final approval order and judgment was August 26, 2021, and no party or class member filed an appeal. The Company continues to believe that the plaintiffs' claims lacked merit and has denied any liability or wrongdoing for the claims made against the Company.

Canadian Antitrust Litigation – On May 15, 2020, Développement Émeraude Inc., on behalf of itself and others similarly situated, filed a putative class action lawsuit against the Company and Masonite in the Superior Court of the Province of Quebec, Canada, which was served on us on September 18, 2020 (“the Quebec Action”). The putative class consists of any person in Canada who, since October 2012, purchased one or more interior molded doors from the Company or Masonite. The suit alleges an illegal conspiracy between the Company and Masonite to agree on prices, the distribution of market shares and/or the production levels of interior molded doors and that the plaintiffs suffered damages in that they were charged and paid higher prices for interior molded doors than they would have had to pay but for the alleged anti-competitive conduct. The plaintiffs are seeking compensatory and punitive damages, attorneys’ fees and costs. On September 9, 2020, Kate O’Leary Swinkels, on behalf of herself and others similarly situated, filed a putative class action against the Company and Masonite in the Federal Court of Canada, which was served on us on September 29, 2020 (the “Federal Court Action”). The Federal Court Action makes substantially similar allegations to the Quebec Action and the putative class is represented by the same counsel. In February 2021, the plaintiff in the Federal Court Action issued a proposed Amended Statement of Claim that replaced the named plaintiff, Kate O’Leary Swinkels, with David Regan. The plaintiff has sought a stay of the Quebec Action while the Federal Court Action proceeds. **We anticipate a hearing on the certification of the Federal Court Action in 2023. The Company believes both the Quebec Action and the Federal Court Action lack merit and intends to vigorously defend against them.** On July 14, 2023, the Company entered into a preliminary **an agreement in principle** with class counsel to resolve both actions for an immaterial amount, which the Company recorded in the second quarter of 2023. **The proposed A formal settlement agreement was executed as of March 27, 2024, and remains subject to final documentation and court approval.** The Company continues to believe the plaintiffs’ claims lack merit and denies any liability or wrongdoing for the claims made against the Company.

We have evaluated the claims against us and recorded provisions based on management’s judgment about the probable outcome of the litigation and have included our estimates in accrued expenses in the accompanying balance sheets. **See Refer to Note 10 - Accrued Expenses and Other Current Liabilities, for more information.** While we expect a favorable resolution to these matters, the dispute resolution process could be lengthy, and if the plaintiffs were to prevail completely or substantially in the respective matters described above, such an outcome could have a material adverse effect on our operating results, consolidated financial position, or cash flows.

Self-Insured Risk – We self-insure substantially all **of our** domestic business liability risks including general liability, product liability, warranty, personal injury, auto liability, workers’ compensation, and employee medical benefits. Excess insurance policies from independent insurance companies generally cover exposures between **\$5.0 million** **\$5.0 million** and **\$200.0 million** **\$200.0 million** for domestic product liability risk and exposures between **\$3.0 million** **\$3.0 million** and **\$200.0 million** **\$200.0 million** for auto, general liability, personal injury, and workers’ compensation. **We have no stop loss insurance covering our self-insured employee medical**

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plan and are responsible for all claims thereunder. We estimate our provision for self-insured losses based upon an evaluation of current claim exposure and historical loss experience. Actual self-insurance losses may vary significantly from these estimates. At **December 31, 2023** **December 31, 2024** and **December 31, 2022**, **2023**, our accrued liability for self-insured risks was **\$89.2 million** **\$83.3 million** and **\$89.0 million** **\$89.2 million**, respectively.

Indemnifications – At **December 31, 2023** **December 31, 2024**, we had commitments related to certain representations made in contracts for sale of businesses or property, including the divestiture of JW Australia. Our indemnity obligations under the relevant agreements may be limited in terms of time, amount or scope. These representations primarily relate to past actions such as responsibility for transfer taxes if they should be claimed, and the adequacy of recorded liabilities, warranty matters, employment benefit plans, income tax matters, or environmental exposures. As it relates to certain income tax related liabilities, the relevant agreements may not provide any cap for such liabilities, and the period in which we would be liable would lapse upon expiration of the statute of limitation for assessment of the underlying taxes. Because of the conditional nature of these obligations and the unique facts and circumstances involved in each particular agreement, we are unable to reasonably estimate the potential maximum exposure associated with these items. We are not aware of any material amounts claimed or expected to be claimed under these indemnities.

From time to time and in limited geographic areas, we have entered into agreements for the sale of our products to certain customers that provide additional indemnifications for liabilities arising from construction or product defects. We cannot estimate the potential magnitude of such exposures, but to the extent specific liabilities have been identified related to product sales, liabilities have been provided in the warranty accrual in the accompanying consolidated balance sheets.

Other Financing Arrangements – At times we are required to provide letters of credit, surety bonds, or guarantees to meet various performance, legal, warranty, environmental, workers compensation, licensing, utility, and governmental requirements. Stand-by letters of credit are provided to certain customers and counterparties in the ordinary course of business as credit support for contractual performance guarantees, advanced payments received from customers, and future funding commitments. The stated values of these letters of credit agreements, surety bonds, and guarantees were **\$70.3 million** and **\$68.7 million** at **December 31, 2023** **December 31, 2024** and **\$60.0 million** at **December 31, 2022**, **2023**, respectively.

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Environmental Contingencies – We periodically incur environmental liabilities associated with remediating our current and former manufacturing sites as well as penalties for not complying with environmental rules and regulations. We record a liability for remediation costs when it is probable that we will be responsible for such costs and the costs can be reasonably estimated. These environmental liabilities are estimated based on current available facts and current laws and regulations. Accordingly, it is likely that adjustments to the estimated liabilities will be necessary as additional information becomes available. Short-term environmental liabilities and settlements are recorded in accrued expenses and other current liabilities in the accompanying consolidated balance sheets and totaled **\$0.1 million** and **\$0.5 million** at **December 31, 2023** **December 31, 2024** and **December 31, 2022**, **2023**, respectively. Long-term environmental liabilities are recorded in deferred credits and other liabilities in the accompanying consolidated balance sheets and totaled **\$11.8 million** and **\$11.5 million** at **December 31, 2024** and **\$11.8 million** at **December 31, 2023** and **December 31, 2022**, **2023**, respectively.

Everett, Washington WADOE Action – In 2007, we were identified by the WADOE as a PLP with respect to our former manufacturing site in Everett, Washington. In 2008, we entered into an Agreed Order with the WADOE to assess historic environmental contamination and remediation feasibility at the site. As part of the order, we agreed to develop a CAP, arising from the feasibility assessment. In December 2020, we submitted to the WADOE a draft feasibility assessment with an array of remedial alternatives, which we

considered substantially complete. During 2021, several comment rounds were completed as well as the identification of the Port of Everett and W&W Everett Investment LLC as additional PLPs, with respect to this matter with each PLP being jointly and severally liable for the cleanup costs. The WADOE received the final feasibility assessment on December 31, 2021, containing various remedial alternatives with its preferred remedial alternatives totaling \$23.4 million. Based on this study, we have determined our range of possible outcomes to be \$11.8 million to \$33.4 million. On March 1, 2022, we delivered a draft CAP consistent with the preferred alternatives which was approved by WADOE in August 2023. The existing Agreed Order of 2008 was also modified with WADOE in July 2023 to support the development of the associated CAP investigation, sampling and design components. With additional information gathered from the CAP investigation during 2024, we determined the total range of possible remediation cost outcomes to be between \$17.4 million to \$33.6 million. We have made provisions retained a provision of \$11.8 million within our financial statements within which considers the range of possible outcomes; however, the contents outcome costs and cost of the final CAP and potential allocation of the responsibility between the identified PLPs, both of which could vary materially from our estimates.

Towanda, Pennsylvania Consent Order – In December 2020, we entered into a COA with the PaDEP to remove a pile of wood fiber waste from our site in Towanda, Pennsylvania, which we acquired in connection with our acquisition of CMI in 2012, by using it as fuel for a boiler at that site. The COA replaced a 2018 Consent Decree between the Company and PaDEP. Under the COA, we are required to achieve certain periodic removal objectives and ultimately remove the entire pile by August 31, 2025. As of December 31, 2023 each of December 31, 2024 and December 31, 2025, there was \$1.4 million and \$2.3 million, respectively in bonds posted in connection with these obligations. If we are unable to remove this pile by August 31, 2025, then would have resulted in forfeiture of the bonds will be forfeited, and we may be subject to penalties by PaDEP. We currently anticipate meeting all applicable During December 2024, we removed the wood fiber waste pile from the site and our removal deadlines; however, if our operations should change, additional alternatives would be evaluated to meet obligations under the prescribed removal timeline. COA closed.

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Purchase Obligations - As of December 31, 2023 December 31, 2024, we have purchase obligations of \$26.7 \$73.2 million due in 2024 2025 and \$28.1 \$42.2 million due in 2025 2026 and thereafter. These purchase obligations are primarily relating to software hosting services and equipment purchase agreements. Purchase obligations are defined as purchase agreements that are enforceable and legally binding and that specify all significant terms, including quantity, price, and the approximate timing of the transaction.

Note 26. Employee Retirement and Pension Benefits

U.S. Defined Benefit Pension Plan

Certain U.S. hourly employees participate in our defined benefit pension plan. The plan is not open to new employees.

In 2020, we elected to utilize the alternative method when calculating the Pension Benefit Guarantee Corporation premiums for 2020 and the succeeding four years. We use a spot rate yield curve to estimate the pension benefit obligation and net periodic benefits costs.

During the fourth quarter of 2023, we completed a balance sheet risk mitigation action related to the U.S. defined benefit pension plan by offering a one-time lump sum election option to terminated vested participants and active participants over the age of 59 1/2. As a result of lump sum elections made by participants, we settled \$49.5 million of future obligations and recognized a pre-tax pension settlement charge of \$4.3 million in the fourth quarter of 2023. The settlement charge, primarily comprised of the recognition of past actuarial losses, is recorded within other income, net in the consolidated statements of operations.

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The components of net periodic benefit cost are summarized as follows for the years ended December 31: follows:

	Year Ended December 31,			
	(amounts in thousands)	2024	2023	2022
Components of pension benefit expense - U.S. benefit plan				
Components of pension benefit expense - U.S. benefit plan				
Components of pension benefit expense - U.S. benefit plan				
(amounts in thousands)				
(amounts in thousands)				
(amounts in thousands)				
Components of pension benefit expense - U.S. benefit plan				
Components of pension benefit expense - U.S. benefit plan				
Components of pension benefit expense - U.S. benefit plan				
Service cost				
Interest cost				
Expected return on plan assets				
Amortization of net actuarial pension loss				
Settlement loss				
Pension benefit expense (income)				

Discount rate used to determine benefit costs	5.39%	2.88%	2.55%	5.05%	5.39%	2.88%
Discount rate used to determine benefit costs	5.39%	2.88%	2.55%	5.05%	5.39%	2.88%
Expected long-term rate of return on assets	Expected long-term rate of return on assets	6.20%	5.25%	5.75%	Expected long-term rate of return on assets	5.72%
Compensation increase rate	Compensation increase rate	N/A	N/A	Compensation increase rate	N/A	N/A

In October 2019, the Society of Actuaries released the PRI-2012 Mortality Tables (update to RP-2014 mortality tables), which were adopted in 2019 and represent our best estimate of future experience for the base mortality table. The Society of Actuaries has released annual updates to the mortality improvement projection scale that was first released in 2014, with the most recent annual update being Scale MP-2020. We adopted the use of Scale MP-2020 as of December 31, 2020, as it represents our best estimate of future mortality improvement projection experience as of the measurement dates.

We developed the discount rate based on the plan's expected benefit payments using the WTW RATE:Link 10:90 Yield Curve. Based on this analysis, we selected a **5.05% 5.57%** discount rate for our projected benefit obligation.

We maintain policies for investment of pension plan assets. The policies set forth stated objectives and a structure for managing assets, which includes various asset classes and investment management styles that, in the aggregate, are expected to produce a sufficient level of diversification and investment return over time and provide for the availability of funds for benefits as they become due. The policies also provide guidelines for each investment portfolio that control the level of risk assumed in the portfolio and ensure that assets are managed in accordance with stated objectives. The plan invests primarily in publicly traded equity and debt securities as directed by the plan's investment committee, managers. The target asset allocation is determined by reference to the plan's funded status percentage. The target allocation of plan assets was 76.0% fixed income securities, 17.7% equity securities and 6.3% other investments, as of December 31, 2023 December 31, 2024 and 52.2% fixed income securities, 39.8% equity securities and 8.0% other investments, as of December 31, 2022, 2023. The pension plan's expected return assumption is based on the weighted average aggregate long-term expected returns of various actively managed asset classes corresponding to the plan's asset allocation. We have selected an expected return on plan assets based on a historical analysis of rates of return, our investment mix, market conditions and other factors. The fair value of plan assets decreased in 2023 due primarily to the plan settlements and benefit payments, partially offset by investment returns. The fair value of plan assets decreased in 2022 due primarily to investment returns and benefit payments.

Change in fair value of plan assets - U.S. benefit plan

(amounts in thousands)	December 31, 2024	December 31, 2023
Balance as of January 1,	\$ 279,579	\$ 314,477
Actual return on plan assets	6,474	36,191
Benefits paid	(21,472)	(20,041)
Administrative expenses paid	(2,152)	(4,381)
Plan settlements	—	(46,667)
Balance at period end	<u>\$ 262,429</u>	<u>\$ 279,579</u>

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(amounts in thousands)

Change in fair value of plan assets - U.S. benefit plan

(amounts in thousands)	2023	2022
Balance as of January 1,	\$ 314,477	\$ 418,947
Actual return on plan assets	36,191	(80,997)
Benefits paid	(20,041)	(20,060)
Administrative expenses paid	(4,381)	(3,413)
Plan settlements	(46,667)	—
Balance at period end	<u>\$ 279,579</u>	<u>\$ 314,477</u>

The plan's projected benefit obligation is determined by using weighted-average assumptions, made as of December 31 each year, as summarized below:

Change in projected benefit obligation - U.S. benefit plan

(amounts in thousands)

Change in projected benefit obligation - U.S. benefit plan

Change in projected benefit obligation - U.S. benefit plan

2023 2022

(amounts in thousands)

(amounts in thousands)

December 31, 2024 December 31, 2023

Balance as of January 1,

Service cost

Interest cost						
Actuarial loss (gain)						
Actuarial (gain) loss						
Benefits paid						
Administrative expenses paid						
Plan Settlements						
Plan settlements						
Balance at period end						
Discount rate	Discount rate	5.05%	5.39%	Discount rate	5.57%	5.05%
Compensation increase rate	Compensation increase rate	N/A	N/A	Compensation increase rate	N/A	N/A

As of December 31, 2023 December 31, 2024, the plan's estimated benefit payments for the next ten years are as follows (amounts in thousands):

2024						
2025						
2026						
2027						
2028						
2029-2033						
2029						
2030-2034						

The Company made no cash contributions to the plan for the years ended December 31, 2023 December 31, 2024 and December 31, 2022, 2023. During fiscal year 2024, 2025, no cash contributions are required to be made to the plan.

The plan's accumulated benefit obligation of \$283.9 million \$261.5 million is determined by taking the projected benefit obligation and removing the impact of the assumed compensation increases.

The plan's funded status as of December 31 is as follows:

<u>Long-term (overfunded) unfunded pension liability - U.S. benefit plan</u>		
(amounts in thousands)		
<u>Long-term unfunded pension liability - U.S. benefit plan</u>	2023	2022
<u>Long-term unfunded pension liability - U.S. benefit plan</u>		
<u>Long-term unfunded pension liability - U.S. benefit plan</u>	December 31, 2024	December 31, 2023
(amounts in thousands)		
(amounts in thousands)		
Projected benefit obligation at end of period		
Fair value of plan assets at end of period		
Long-term unfunded pension liability		
(Overfunded) unfunded pension (asset) liability ⁽¹⁾		

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The overfunded pension liability as of December 31, 2024, is recorded in long-term other assets in the accompanying consolidated balance sheet.

Net actuarial pension losses are recorded in consolidated other comprehensive income (loss) for the years ended December 31 are as follows:

<u>Accumulated other comprehensive loss - U.S. benefit plan</u>			Year Ended December 31,		
(amounts in thousands)			2024	2023	2022
<u>Accumulated other comprehensive loss - U.S. benefit plan</u>					
<u>Accumulated other comprehensive loss - U.S. benefit plan</u>					
<u>Accumulated other comprehensive loss - U.S. benefit plan</u>			2023	2022	2021
Net actuarial pension loss beginning of period					
Net actuarial pension loss at beginning of period					
Amortization of net actuarial loss					
Net gain occurring during year					
Settlement recognition of net actuarial loss	Settlement recognition of net actuarial loss	—	(4,349)	(4,349)	—
Net actuarial pension loss at end of period					
Tax expense					

Net actuarial pension loss at end of period, net of tax

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Non-U.S. Defined Benefit Plans – We have several unfunded defined benefit plans located outside the U.S. that are country specific. Some of these plans remain open to participants and others are closed. The expenses related to these plans are recorded in the consolidated statements of operations and are determined by using weighted-average assumptions made on January 1 of each year as summarized below for the years ended December 31, below:

<u>Components of pension benefit expense - Non-U.S. benefit plans</u>		Year Ended December 31,		
(amounts in thousands)	(amounts in thousands)	2024	2023	2022
<u>Components of pension benefit expense - Non-U.S. benefit plans</u>				
<u>Components of pension benefit expense - Non-U.S. benefit plans</u>				
<u>Components of pension benefit expense - Non-U.S. benefit plans</u>		2023	2022	2021
Service cost				
Interest cost				
Amortization of net actuarial pension loss				
Amortization of net actuarial pension loss				
Amortization of net actuarial pension loss				
Pension benefit expense				
Discount rate				
Discount rate		3.1% - 3.8%	3.3% - 3.7%	0.8% - 1.6%
Compensation increase rate		2.6% - 3.4%	3.1% - 3.8%	3.3% - 3.7%
Compensation increase rate		0.0% - 3.5%	0.0% - 3.5%	0.5% - 2.5%
Compensation increase rate		0.0% - 3.5%	0.0% - 3.5%	0.5% - 2.5%

The projected benefit obligation for the non-U.S. plans is determined by using weighted-average assumptions made as of December 31 each year, as summarized below:

<u>Change in projected benefit obligation - Non-U.S. benefit plans</u>		2023			2022	
(amounts in thousands)		December 31,	December 31,			
(amounts in thousands)		2024	2023			
Balance as of January 1,						
Service cost						
Service cost						
Service cost						
Interest cost						
Actuarial gain						
Benefits paid						
Benefits paid						
Benefits paid						
Cumulative translation adjustment						
Cumulative translation adjustment						
Cumulative translation adjustment						
Balance at period end						
Discount rate						
Discount rate						
Discount rate		3.1% - 3.8%	3.3% - 3.7%	2.6% - 3.4%	3.1% - 3.8%	
Compensation increase rate	Compensation increase rate	0.0% - 3.5%	0.0% - 3.5%	0.0% - 3.5%	0.0% - 3.5%	0.0% - 3.5%

As of **December 31, 2023** **December 31, 2024**, the estimated benefit payments for the non-U.S. plans over the next ten years are as follows (amounts in thousands): follows:

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2024	Total
(amounts in thousands)	
2025	
2026	
2027	
2028	
2029-2033	
2029	
2030-2034	

The accumulated benefit obligations of **\$23.6 million** **\$23.1 million** for the non-U.S. plans are determined by taking the projected benefit obligation and removing the impact of the assumed compensation increases. We expect to contribute **\$1.4 million** **\$1.4 million** to the non-U.S. plans in **2024**, **2025**.

The funded status of these plans **as of December 31** are as follows:

(amounts in thousands)	2023	2022	December 31, 2024	December 31, 2023
Unfunded pension liability - Non-U.S. benefit plans				
Unfunded pension liability - Non-U.S. benefit plans				
Unfunded pension liability - Non-U.S. benefit plans				
Long-term unfunded pension liability				
Long-term unfunded pension liability				
Long-term unfunded pension liability				
Current portion				
Total unfunded pension liability				

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The current portion of the unfunded pension liability is recorded in accrued payroll and benefits in the accompanying consolidated balance sheets.

Net actuarial pension losses are recorded in consolidated other comprehensive income (loss) **for the years ended December 31** are as follows:

(amounts in thousands)	(amounts in thousands)	Year Ended December 31,	2024	2023	2022
Accumulated other comprehensive loss - Non-U.S. benefit plans		Accumulated other comprehensive loss - Non-U.S. benefit plans			
Accumulated other comprehensive loss - Non-U.S. benefit plans					
Accumulated other comprehensive loss - Non-U.S. benefit plans					
Net actuarial pension loss beginning of period		2023			
Net actuarial pension loss at beginning of period			2022		
Amortization of net actuarial loss				2021	
Net (gain) loss occurring during year					
Net loss (gain) occurring during year					
Effect of curtailment					
Divestiture of JW Australia benefit plans					
Cumulative translation adjustment					
Net actuarial pension loss at end of period					
Tax benefit					
Net actuarial pension loss at end of period, net of tax					

Defined Contribution Benefit Plans – We have defined contribution benefit plans covering certain U.S. and non-U.S. subsidiary employees, subject to eligibility requirements established in accordance with local statutory requirements. The total cost of these plans was **\$36.6 million**, **\$36.4 million** **\$39.0 million** and **\$35.9 million** **\$39.0 million** in **the years ended December 31, 2024, 2023 2022 and 2021, 2022**, respectively.

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Note 27. Supplemental Cash Flow Information

(amounts in thousands)	Year Ended		
	December 31,		
	2023	December 31, 2022	December 31, 2021
Cash Operating Activities:			
Operating leases	\$ 50,995	\$ 58,575	\$ 59,190
Interest payments on financing lease obligations	331	161	205
Cash paid for amounts included in the measurement of lease liabilities	<u><u>\$ 51,326</u></u>	<u><u>\$ 58,736</u></u>	<u><u>\$ 59,395</u></u>
Cash Investing Activities:			
Purchases of securities for deferred compensation plan	\$ (1,206)	\$ (834)	\$ —
Sale of securities for deferred compensation plan	66	106	—
Change in securities for deferred compensation plan	<u><u>\$ (1,140)</u></u>	<u><u>\$ (728)</u></u>	<u><u>\$ —</u></u>
Issuances of notes receivable	\$ (58)	\$ (55)	\$ (52)
Cash received on notes receivable	319	149	4,218
Change in notes receivable	<u><u>\$ 261</u></u>	<u><u>\$ 94</u></u>	<u><u>\$ 4,166</u></u>
Non-cash Investing Activities:			
Property, equipment, and intangibles purchased in accounts payable	\$ 10,025	\$ 4,987	\$ 6,753
Property, equipment, and intangibles purchased with debt	14,045	9,779	8,839
Customer accounts receivable converted to notes receivable	293	49	141
Cash Financing Activities:			
Proceeds from issuance of new debt	\$ —	\$ —	\$ 548,625
Borrowings on long-term debt	127,336	779,977	37,306
Payments of long-term debt	(684,766)	(767,248)	(666,534)
Payments of debt issuance and extinguishment costs, including underwriting fees	(3,908)	—	(5,448)
Change in long-term debt and payments of debt extinguishment costs	<u><u>\$ (561,338)</u></u>	<u><u>\$ 12,729</u></u>	<u><u>\$ (86,051)</u></u>
Cash paid for amounts included in the measurement of finance lease liabilities	\$ 1,880	\$ 1,792	\$ 2,090
Non-cash Financing Activities:			
Prepaid insurance funded through short-term debt borrowings	\$ 16,628	\$ 16,486	\$ 13,048
Shares repurchased in accounts payable	—	—	1,066
Accounts payable converted to installment notes	176	1,279	69
Other Supplemental Cash Flow Information:			
Cash taxes paid, net of refunds	\$ 48,092	\$ 44,723	\$ 36,513
Cash interest paid	74,735	80,613	74,953

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Note 28. Summarized Quarterly Financial Information (Unaudited)

(amounts in thousands)	2023			
	First Quarter		Second Quarter	
	Third Quarter	Fourth Quarter		
Net revenues	\$ 1,080,522	\$ 1,125,767	\$ 1,076,980	\$ 1,021,065
Gross margin	\$ 191,787	\$ 225,555	\$ 223,596	\$ 191,683
Income (loss) from continuing operations, net of tax	8,465	22,502	16,908	(22,640)
Gain (loss) on sale of discontinued operations, net of tax	—	—	26,076	(10,377)

Income (loss) from discontinued operations, net of tax	6,669	15,779	801	(1,738)
Net income (loss)	15,134	38,281	43,785	(34,755)
Diluted Net income (loss) per share from continuing operations	\$ 0.10	\$ 0.26	\$ 0.20	\$ (0.27)
Diluted Net income (loss) per share from discontinued operations	0.08	0.18	0.31	(0.14)
Diluted Net income (loss) per share	\$ 0.18	\$ 0.45	\$ 0.51	\$ (0.41)

2022					
(amounts in thousands)	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
Net revenues	\$ 1,045,615	\$ 1,179,154	\$ 1,140,025	\$ 1,179,014	
Gross margin	\$ 171,666	\$ 206,614	\$ 206,389	\$ 201,251	
Income (loss) from continuing operations, net of tax	(3,575)	34,958	(45,064)	25,904	
Income from discontinued operations, net of tax	3,047	10,868	11,872	7,717	
Net income (loss)	\$ (528)	\$ 45,826	\$ (33,192)	\$ 33,621	
Diluted Net income (loss) per share from continuing operations	\$ (0.04)	\$ 0.40	\$ (0.53)	\$ 0.31	
Diluted Net income per share from discontinued operations	0.03	0.12	0.14	0.09	
Diluted Net income (loss) per share	\$ (0.01)	\$ 0.52	\$ (0.39)	\$ 0.40	

Diluted Net income (loss) per share may not sum due to rounding.

Year Ended December 31,					
(amounts in thousands)	2024	2023	2022		
Cash Operating Activities:					
Operating leases	\$ 45,991	\$ 50,995	\$ 58,575		
Interest payments on financing lease obligations	537	331	161		
Cash paid for amounts included in the measurement of lease liabilities	<u>\$ 46,528</u>	<u>\$ 51,326</u>	<u>\$ 58,736</u>		
Cash Investing Activities:					
Purchases of securities for deferred compensation plan	\$ (3,381)	\$ (1,206)	\$ (834)		
Sale of securities for deferred compensation plan	—	66	106		
Change in securities for deferred compensation plan	<u>\$ (3,381)</u>	<u>\$ (1,140)</u>	<u>\$ (728)</u>		
Issuances of notes receivable	\$ (54)	\$ (58)	\$ (55)		
Cash received on notes receivable	100	319	149		
Change in notes receivable	<u>\$ 46</u>	<u>\$ 261</u>	<u>\$ 94</u>		
Non-cash Investing Activities:					
Property, equipment, and intangibles purchased in accounts payable	\$ 14,300	\$ 10,025	\$ 4,987		
Property, equipment, and intangibles purchased with debt	9,707	14,045	9,779		
Customer accounts receivable converted to notes receivable	504	293	49		
Cash Financing Activities:					
Proceeds from issuance of new debt	\$ 350,000	\$ —	\$ —		
Borrowings on long-term debt	1,225	127,336	779,977		
Payments of long-term debt	(400,633)	(684,766)	(767,248)		
Payments of debt issuance and extinguishment costs, including underwriting fees	(5,770)	(3,908)	—		
Change in long-term debt and payments of debt extinguishment costs	<u>\$ (55,178)</u>	<u>\$ (561,338)</u>	<u>\$ 12,729</u>		
Cash paid for amounts included in the measurement of finance lease liabilities	\$ 2,468	\$ 1,880	\$ 1,792		
Non-cash Financing Activities:					
Prepaid insurance funded through short-term debt borrowings	\$ —	\$ 16,628	\$ 16,486		
Accounts payable converted to installment notes	5	176	1,279		
Other Supplemental Cash Flow Information:					

Cash taxes paid, net of refunds	\$ 45,996	\$ 48,092	\$ 44,723
Cash interest paid	72,497	74,735	80,613

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(except to the extent otherwise required under applicable law).

or

privilege; or (ii) limit Optionee's right to receive an award for providing information relating to a possible

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10 securities law violation to the U.S. Securities and Exchange Commission or to other governmental agencies pursuant to the whistleblower protection provisions of federal law or regulation.

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Participant Address ###HOME_ADDRESS### **###COMPANY_NAME### JELD-WEN Holding, Inc.**
###VEST_SCHEDULE_TABLE### Expiration Date ####EXPIRATION_DATE###

VESTING SCHEDULE



slide1



slide2

 slide2

Internal Revenue Code of 1986, as amended (the "Code").

a date each Vesting Date

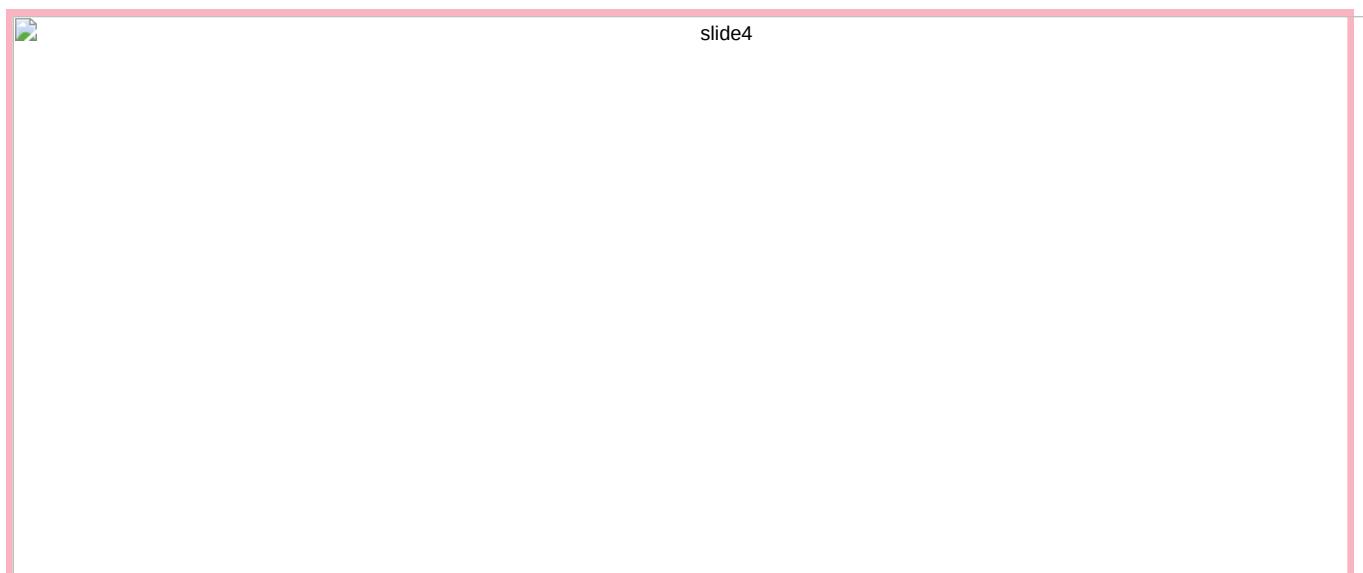
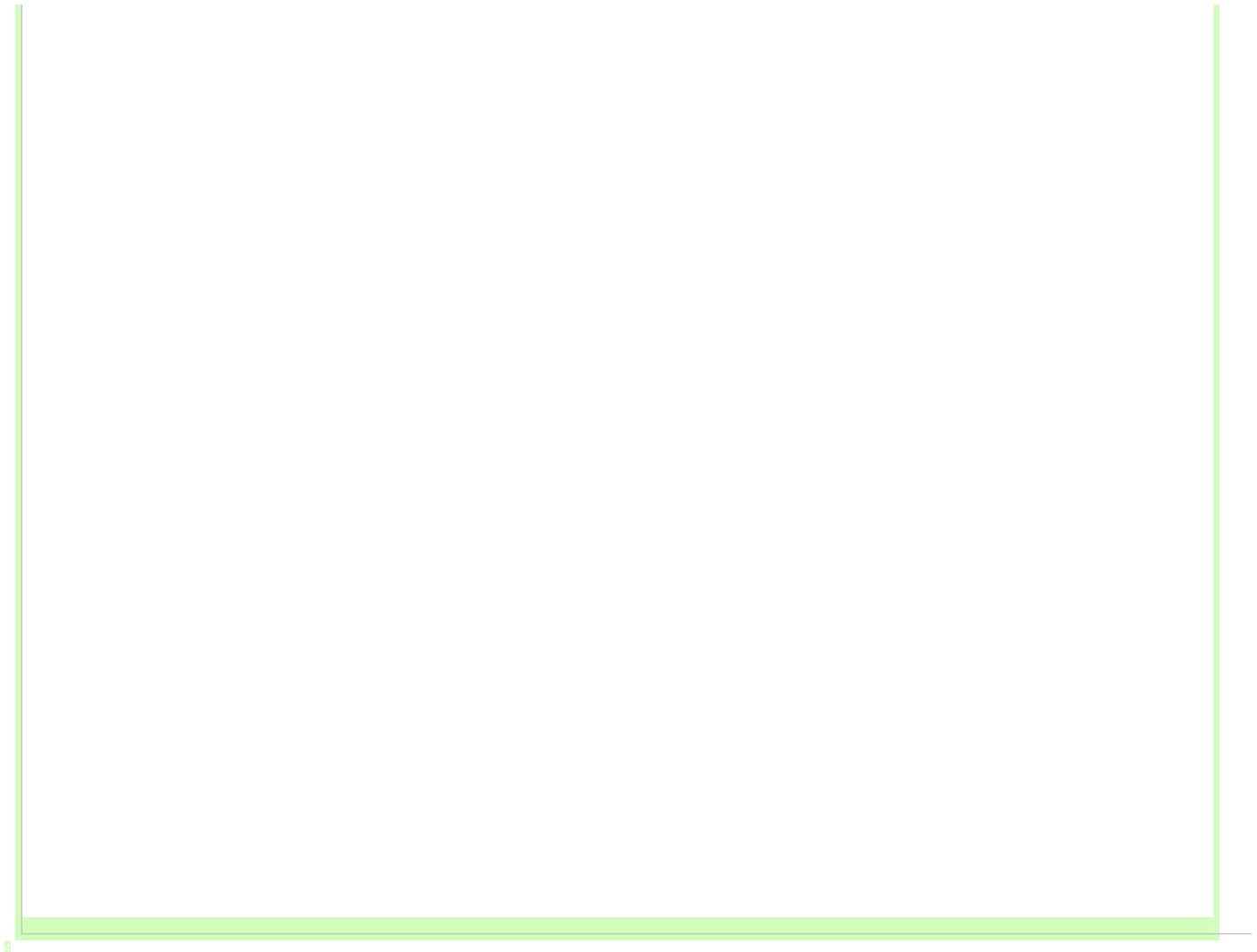
made in accordance with Section 409A of the

Internal Revenue [of 1986, as amended]

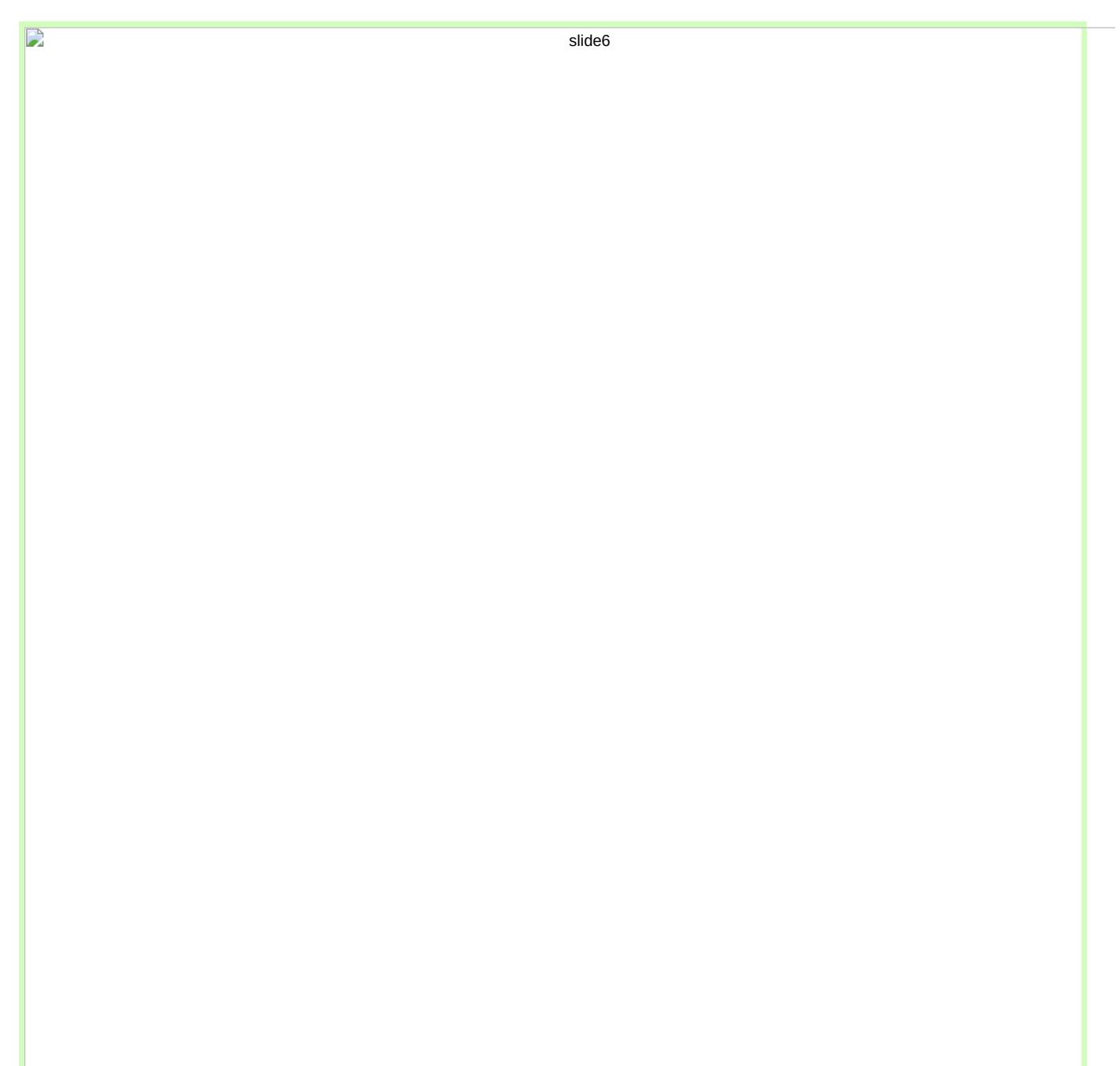
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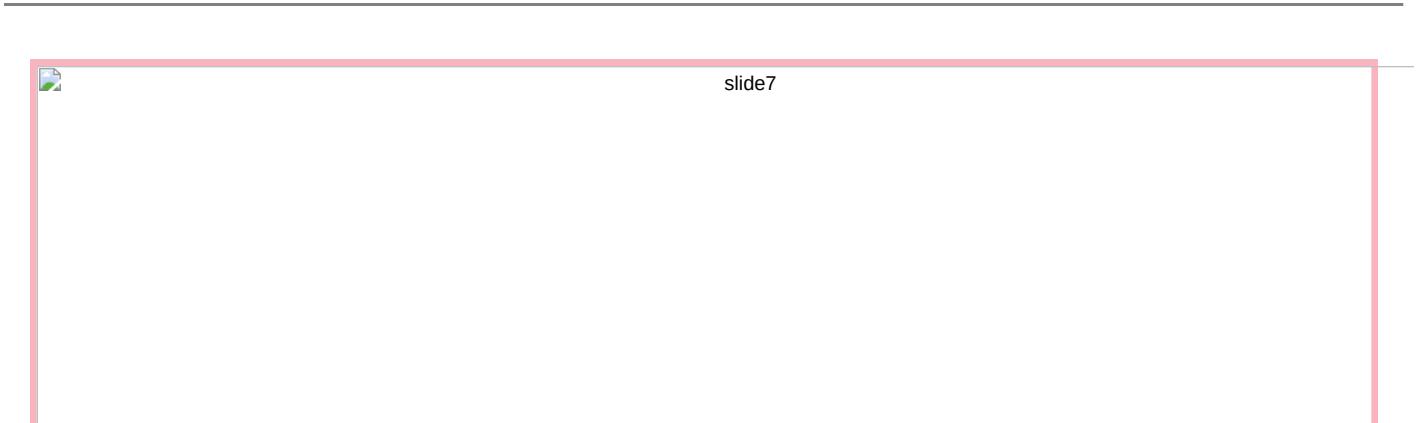
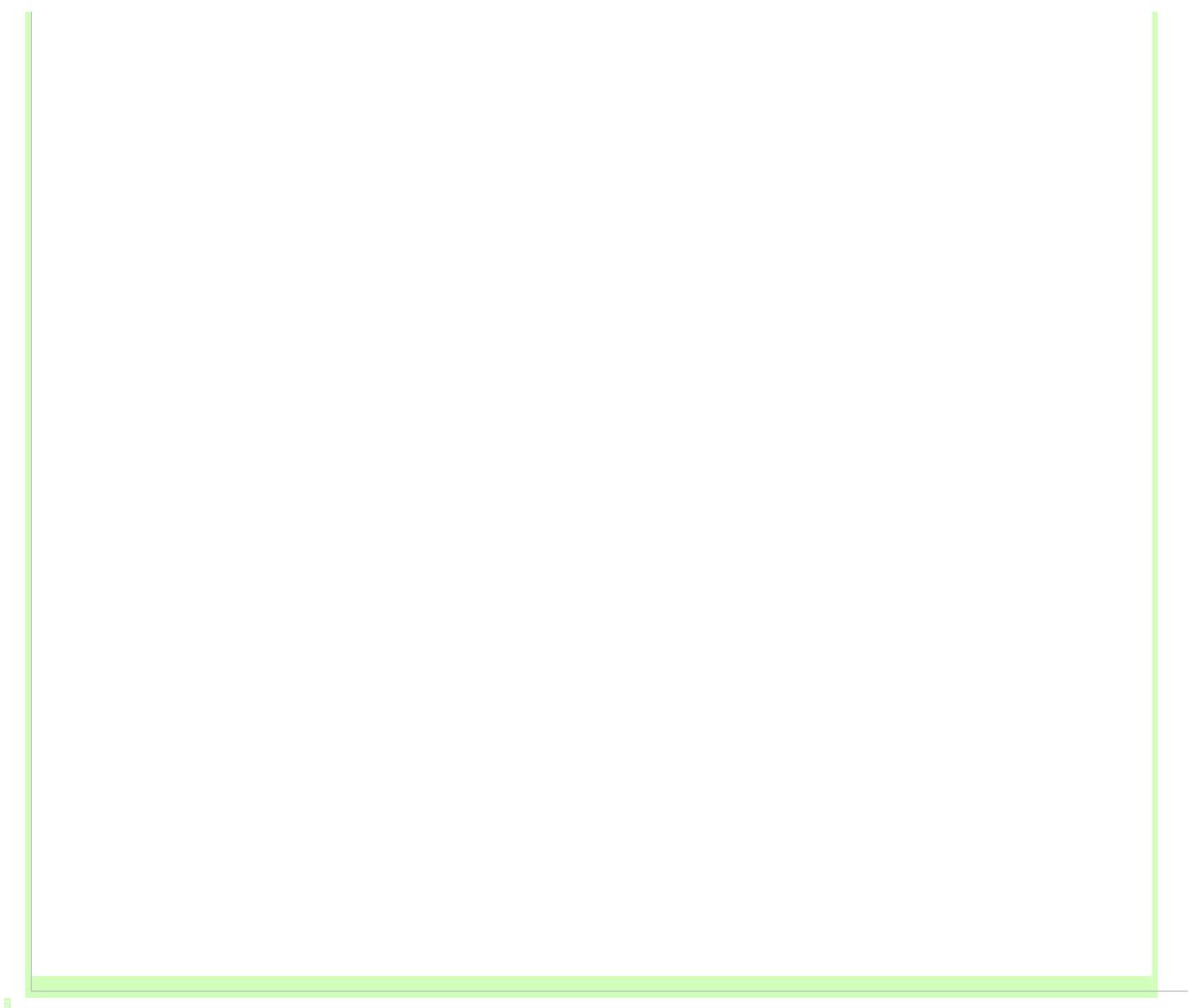
















ECB

or

(except to the extent otherwise required under applicable law).



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receive an award for providing information relating to a possible securities law violation to the U.S. Securities and Exchange Commission or to other governmental agencies pursuant to the whistleblower protection provisions of federal law or regulation. privilege, privilege, or (ii) limit Recipient's right to



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Participant Address



slide1

January 1, [REDACTED] January 1, 2025 December 31, [REDACTED] December 31, 2027
[REDACTED] Each of the three calendar years occurring in the Award Period is referred to in this Agreement as an "Award Year".

[REDACTED] and TSR Modifier each as

[REDACTED] and the TSR Modifier

[REDACTED] Exhibit 10.28

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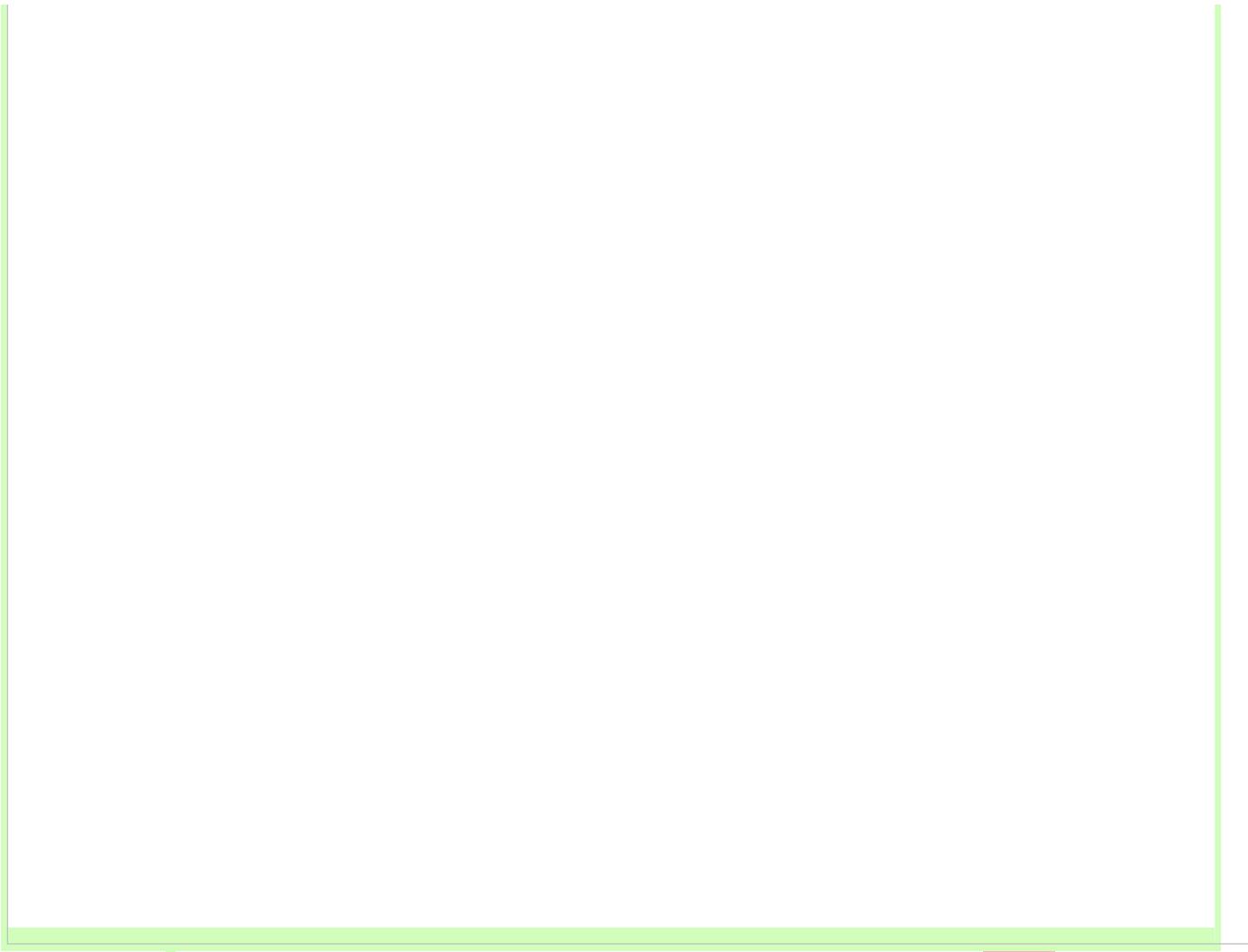
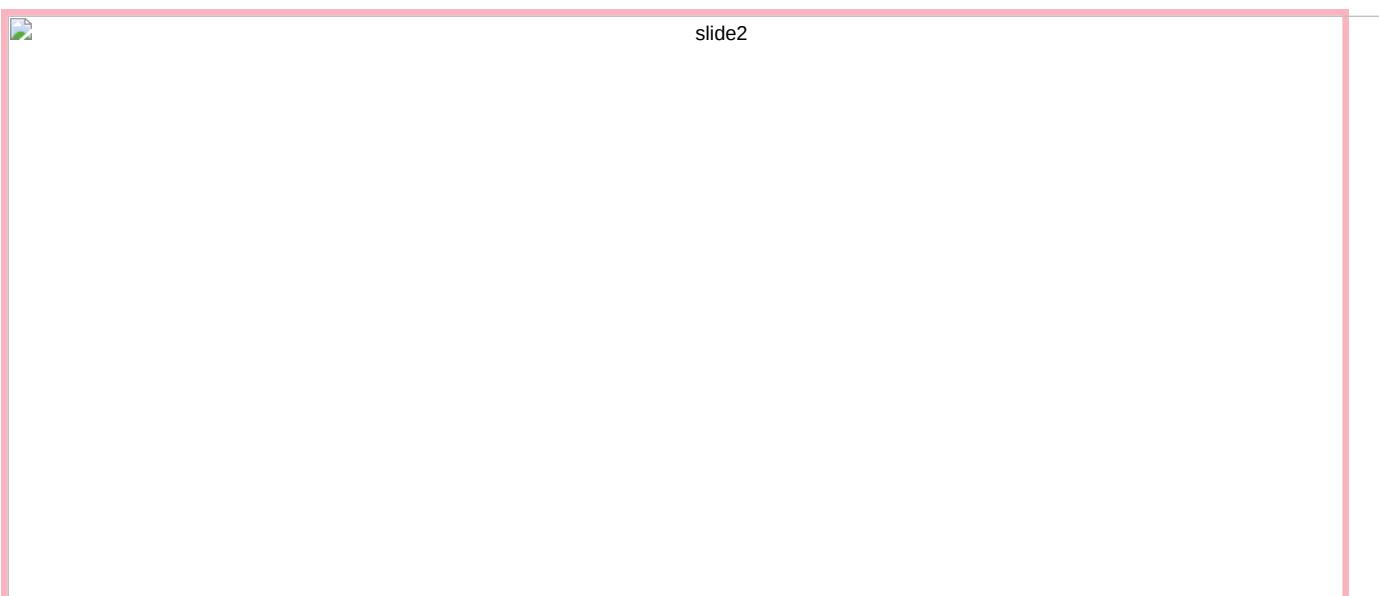


Exhibit 10.28



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2
and

forfeiture provisions on condition to remain employed through

vest

the calendar year that includes the Vesting Date.

made in accordance with Section 409A of the Internal Revenue Code of 1986, as amended (the "Code").

following the Vesting Date and prior to December 31 of

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Unless the Committee determines otherwise, all vested Dividend Equivalent Distributions shall be held in cash and paid to the Recipient in additional shares of the Company's common stock based on the Fair Market Value of a share of the Company's common stock on the Payment Date.

Payout. Subject General. The PSUs shall be subject to possible enhancement or reduction under Section 2.5, or reduction under Section 3, a series of performance evaluations for Adjusted Return on Invested Capital ("ROIC") and Net Trade Sales ("Net Sales"). For each Award Year during the Award Period, the number of PSUs that can potentially be earned and vested is evaluated based on the Company's ROIC and Net Sales as reflected in Sections 2.2 and 2.3 and may then be subject to modification based on the TSR Modifier results for the Award Period as reflected in Section 2.4. 2.2 ROIC Performance Measure. Fifty percent (50%) of the PSUs shall be subject to the ROIC Performance Measure. "Payout" ROIC PSUs" with one-third of the total ROIC PSUs being eligible to be earned each Award Year (the "Annual ROIC PSUs"). For each Award Year, the number of the Annual ROIC PSUs, if any, that may be earned, prior to the TSR Modifier, is determined by multiplying the Payout Factor (as defined below) by Company's ROIC for such Award Year. The ROIC Performance Measure for the Target Year is rounded down to the nearest whole number (the "Target Share Amount"). The Payout Factor for the Target Year is determined pursuant to Section 2.2; provided, however, that the Payout Factor shall not be greater than 150% and the Payout Factor shall be 0% if the Performance Measure Result (as defined below) for all Performance Objectives is less than Threshold. 2.2 Payout Factor. (a) The "Payout Factor" shall be the weighted average of the Performance Measure Payout Factor (as defined below) for each Performance Objective during the Award Period. The Performance Measure Payout Factor achieved by the Company for each Performance Objective during the Award Period shall be determined as follows: If the Performance Measure Result for a Performance Objective is: Then the "Performance Measure Payout Factor" for that Performance Objective shall be: Less than Threshold 0% Threshold 50% Target 100% Maximum 150%

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Performance Level Company ROIC for First Award Year Applicable Percentage of Annual ROIC PSUs Earned (before TSR Modifier) Below Threshold Below []% 0% Threshold []% 50% Target []% 100% Maximum []% or above 200% For each Award Year thereafter, the ROIC Performance Measure for such Award Year shall be determined by the Compensation Committee and communicated in writing to the Recipient in the form attached hereto as Appendix A (or other form acceptable to the Company). Such written communication shall be provided to the Recipient on or as soon as practicable following the commencement of the Award Year to which it relates and shall be deemed to be a part of this Agreement. For purposes of this Agreement, ROIC is defined as the annual ROIC as announced by the Company for the applicable Award Year, as may be adjusted pursuant to Section 2.6.

Period Year	ROIC	ROIC	ROIC	below above	Performance Measure Payout
Factor Applicable Percentage	ROIC	ROIC	ROIC	below above	ROIC
Percentages	Applicable Percentage for the ROIC	Payout Factor	Award Year, For clarity, no Annual ROIC PSUs shall be earned for an	Performance Measure Payout Factors Applicable	
Percentage	Applicable Percentage for the ROIC	Payout Factor	Award Year, For clarity, no Annual ROIC PSUs shall be earned for any Award Year (before the TSR Modifier)	Performance Measure Payout Factor Applicable	
Award Year (before the TSR Modifier) if the Company's ROIC for such Award Year is less than []% (i.e., below Threshold), and the percentage of Annual ROIC PSUs that may be earned for any Award Year (before the TSR Modifier) shall not exceed 200% of the Annual ROIC PSUs. 2.3 Net Sales	Objective (b) The "Performance Measures" for each Performance Objective, together with Measure. Fifty percent (50%) of weight attributed PSUs shall be	subject Net Sales	Payout Factor (the "Net Sales PSUs") with one-third of the total Net Sales PSUs being eligible to be earned each Award Year (the "Net Sales PSUs"). For each Award Year, the number of the Net Sales PSUs, if any, that may be earned, prior to the TSR Modifier, shall be determined based on the Company's Net Sales	each such Award Year. The Net Sales Objective Measure purposes of calculating	
Payout Factor is first Award Year shall be	Objective Weight	Level Company Net Sales for First Award Year Applicable Percentage of Net Sales PSUs Earned (before TSR Modifier) Below Threshold Below \$ []	0% Threshold \$ [] 50%		

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5 Target \$1 | 100% Maximum \$1 | or more 200% For each Award Year thereafter, the Net Sales Threshold Target Maximum Adjusted Return, for such Award Year shall be determined by the Compensation Committee and communicated in writing to the Recipient in the form attached hereto as Appendix A (or other form acceptable to the Company). Such written communication shall be provided to the Recipient. Invested Capital 50% %
1% % Total Shareholder Return 50% 25th Percentile 50th Percentile >= 75th Percentile 2.3 Adjusted Return on Invested Capital ("ROIC"), or as soon as practicable following the commencement of the Award Year to which it relates and shall be deemed to be a part of this Agreement. Adjusted ROIC Net Sales average sales annual ROIC Company minus any deductions, including returns, allowances and discounts. over for three years of the applicable Period Year. 2.5 2.6. If the result achieved by the Company during the Award Year for the Net Sales Performance Measure ("Net Sales Performance Measure Result") is between any two Net Sales Performance Measure data points set forth in the above table, the Applicable Percentage shall be interpolated as follows. The excess of the Net Sales Performance Measure Result over the Net Sales Performance Measure of the lower data point shall be divided by the difference between the Net Sales Performance Measure of the higher data point and the Net Sales Performance Measure of the lower data point. The resulting fraction shall be multiplied by the difference between the Applicable Percentages in the above table corresponding to the two data points. The product of that calculation shall be rounded to the nearest hundredth of a percentage point and then added to the Applicable Percentage corresponding to the lower data point, and the resulting sum shall be the Applicable Percentage for the Net Sales Performance Measure for that Award Year. For clarity, no Net Sales PSUs shall be earned for an Award Year (before the TSR Modifier) if the Company's Net Sales for such Award Year are less than \$1 (i.e., below Threshold), and the percentage of Net Sales PSUs that may be earned for any Award Year (before the TSR Modifier) shall not exceed 200% of the Net Sales PSUs. Total Shareholder Return ("TSR") TSR Modifier. The sum of the ROIC PSUs and the Net Sales PSUs earned each Award Year during the Award Period (the "Earned PSUs"), as determined pursuant to Sections 2.2 and 2.3 may (but is not required to) be modified by the Committee in its sole discretion within the TSR Modifier Ranges set forth below. Relative TSR for Award Period TSR Modifier Range Below 25th Percentile 0% down to -10% At or Above 25th Percentile but Below 75th Percentile -5% up to +5% 75th Percentile or Above Up to +10%
Relative TSR is defined as the Company's TSR relative to based on share price for of Award Period will be determined by the Committee. Should the relative TSR to our peer group be at the 25th percentile of companies that comprise determined of the last day of the Award Period, expressed as a percentile. For this purpose, TSR means, with respect to any company, including the Company, the positive or negative change sole discretion market price the Committee, the Payout Factor will be 50%. Should the relative TSR to our peer group be at the 50th percentile one share the Russell 3000 index, as determined in the sole discretion of the Committee, the Payout Factor will be 100%. Should the relative TSR to our peer group be at the 75th percentile of the Russell 3000 index, as determined in the sole discretion of the Committee, the Payout Factor will be 150%. Should the Russell 3000 index be unavailable or inappropriate for use as determined by the Committee, as determined in its sole discretion, the Committee shall determine and use a comparable index for purposes of calculating TSR under this such entity's common



5. Section 6 stock over the Award Period, plus the aggregate amount of dividends paid with respect to a share of such company's common stock over the Award Period, with such sum being divided by the market price of one share of such entity's common stock at the commencement of the Award Period (in each case, as adjusted for any stock dividends, stock splits or other corporate transaction affecting shares of such company's common stock). The calculation of TSR will be based on the 30-trading day average at the beginning and end of the Award Period (treating the value of any dividends and other distributions during a period as reinvested in additional shares of the company's common stock). For clarity, in the event that (i) the ROIC PSUs for any Award Year are earned at the maximum of 200% of ROIC PSUs for such year, (ii) the Net Sales PSUs for any Award Year are earned at the maximum of 200% of the Net Sales PSUs for such year, and (iii) the TSR Modifier is earned at the maximum of 10% for such Award Year, the maximum number of PSUs earned for such Award Year shall equal 210% of the PSUs for such year, and in no event may the maximum number of PSUs earned exceed 210% of the PSUs granted for such Award Year. Payout. Subject to reduction under Sections 1(d) and 3, the number of Earned PSUs that shall vest on the Vesting Date (the "Payout") shall be determined by multiplying the number of Earned PSUs by the TSR Modifier, rounded down to the nearest whole number; provided that, except as otherwise provided herein, the Recipient continues to be an Eligible Individual at all times from the Grant Date through the Vesting Date. To be clear, except as otherwise provided in Section 1(d), the Award is subject to both continued employment and performance requirements. The Payout shall be settled in accordance with Section 1(h). 2.6

ROIC and/or Net Sales

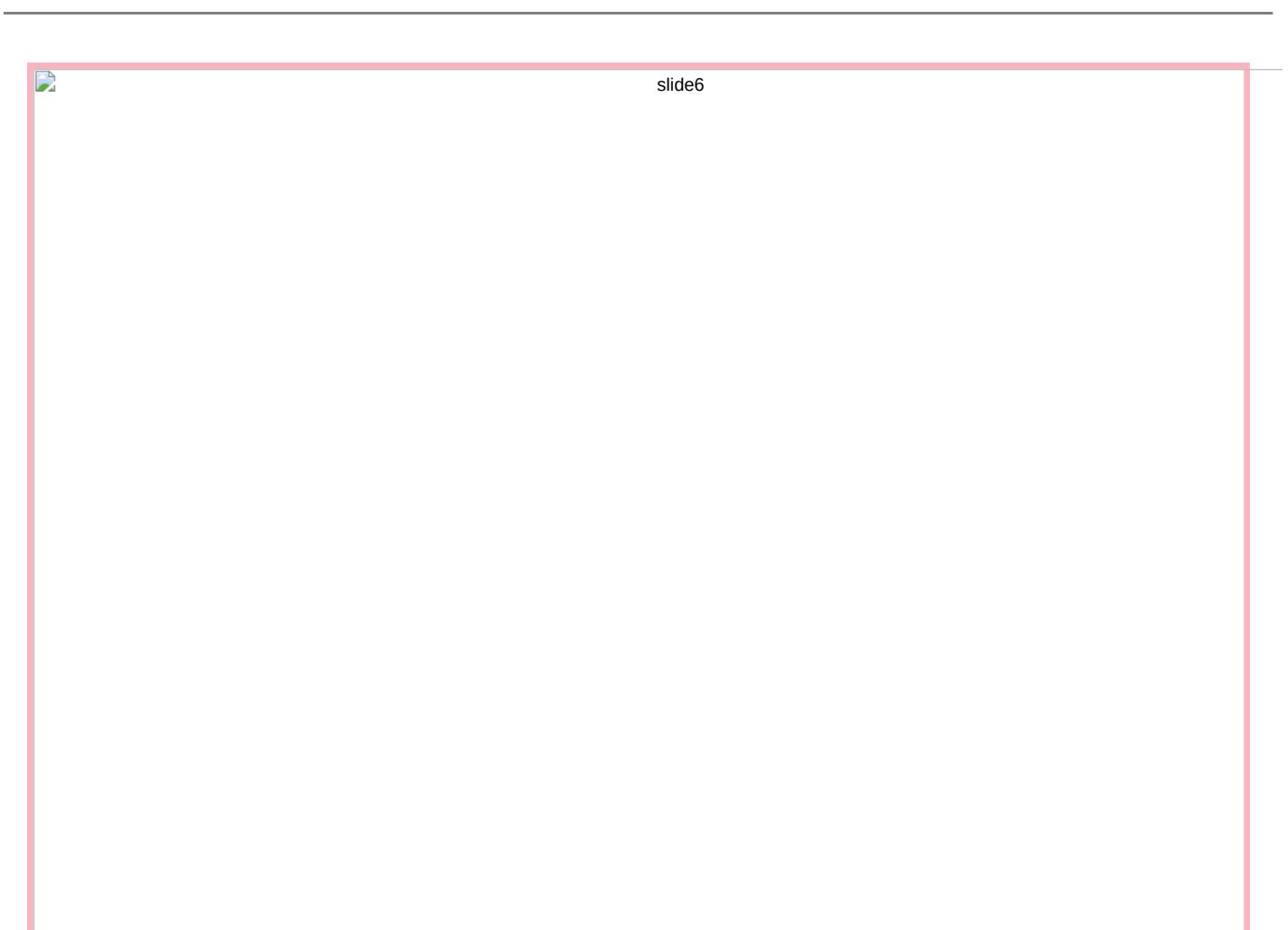
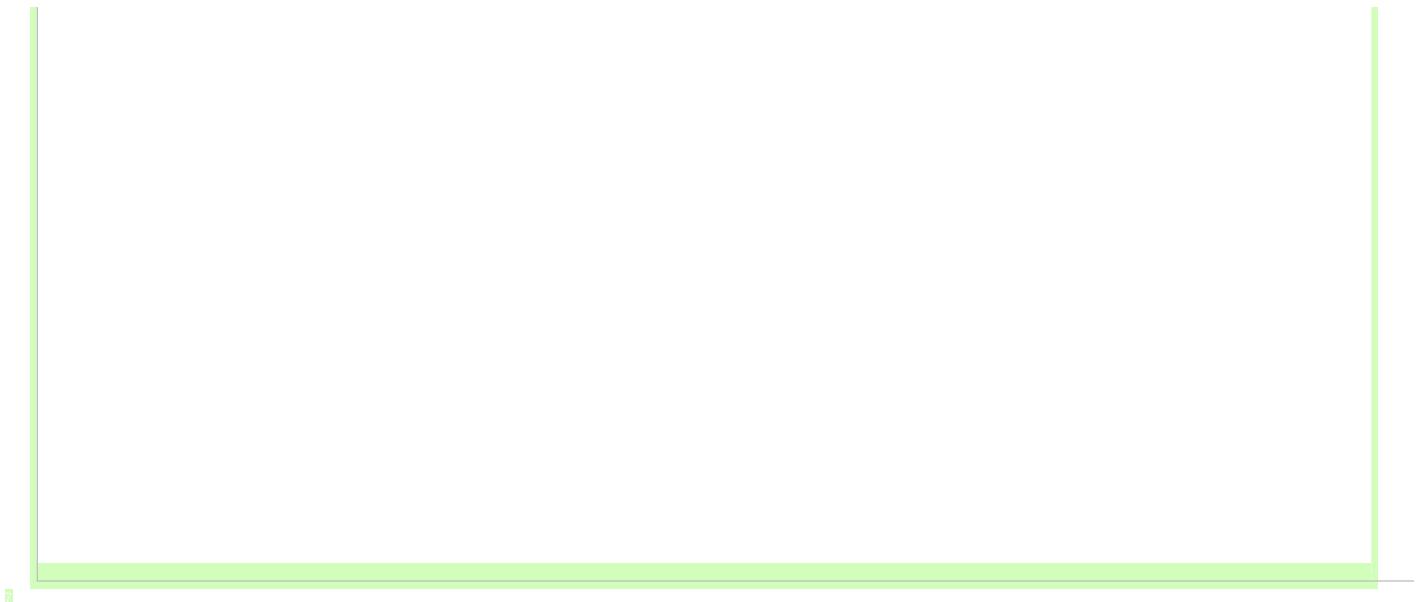
a ROIC and/or Net Sales

Results, Result, the TSR Modifier

a ROIC and/or Net Sales

the TSR Modifier

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required under applicable law).

or

(except to the extent otherwise

privilege, privilege, or (iii) limit Recipient's right to receive an award for providing information relating to a possible securities law violation to the U.S. Securities and Exchange Commission or to other governmental agencies pursuant to the whistleblower protection provisions of federal law or regulation.



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JELD-WEN HOLDING, INC. 2024 MANAGEMENT INCENTIVE PLAN 1. Purpose. The purpose [14] Appendix A ROIC Performance Measure Performance Level Company ROIC for [Second/Third] Award Year Applicable Percentage [This JELD-WEN Holding, Inc. Management Incentive Plan is to promote the interests Annual ROIC PSUs Earned (before TSR Modifier) Below Threshold Below []% 0% Threshold []% 50% Target []% 100% Maximum []% or above 200% Net Sales Performance Measure Performance Level Company Net Sales for [Second/Third] Award Year Applicable Percentage] the Company and its shareholders by motivating superior performance by executive officers and other key personnel with annual bonus opportunities based upon corporate and individual performance. 2. Definitions. (a) "Award" means an award granted to a Participant under the Plan subject to such terms and conditions as the Plan

Administrator may establish under the terms of the Plan. (b) "Base Salary" means a Participant's annual base salary determined as of the last day of a Plan Year. (c) "Board" means the Board of Directors of the Company. (d) "Company" means JELD-WEN Holding, Inc. and its subsidiaries. (e) "Participant" means an officer, key employee or consultant of the Company who is in a position to make contributions to the growth and financial success of the Company and who has been granted an Award under the Plan. (f) "Performance Criteria" shall have the meaning set forth in Section 5(b) hereof. (g) "Performance Goals" shall have the meaning set forth in Section 5(c) hereof. (h) "Plan" means this JELD-WEN Holding, Inc. Management Incentive Plan, as it may be amended and restated from time to time. (i) "Plan Administrator" means the Compensation Committee of the Board, or such other committee of the Board that the Board shall designate from time to time to administer the Plan. (j) "Plan Year" means the twelve consecutive month period beginning each January 1 and ending on the following December 31. 3. Plan Administration. (a) General. The Plan shall be administered by the Plan Administrator. The Plan Administrator shall have such powers and authority as may be necessary or appropriate for the Plan Administrator to carry out its functions as described in the Plan. No member of the Plan Administrator shall be liable for any action or determination made in good faith by the Plan Administrator with respect to the Plan or any Award hereunder. The Plan Administrator may delegate, to any appropriate officer or employee of the Company, responsibility for performing certain ministerial functions under this Plan. (b) Discretionary Authority. Subject to the express limitations of the Plan, the Plan Administrator shall have authority in its discretion to determine the time or times at which Awards may be granted, the recipients of Awards, the Performance Criteria, the Performance Goals and all other terms of an Award. The Plan Administrator shall also have discretionary authority to interpret the Plan, to make all Exhibit 10.29



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/actual determinations under the Plan, and to make all other determinations necessary or advisable for the administration of the Plan. The Plan Administrator may prescribe, amend, and rescind rules and regulations relating to the Plan. All interpretations, determinations, and actions by the Plan Administrator shall be final, conclusive, and binding upon all parties. 4. Eligibility and Participation. Employees of the Company who hold a position as an executive officer of the Company shall be eligible to participate in the Plan for a Plan Year on such basis and on such terms and conditions as determined by the Plan Administrator. In addition, any other employees and consultants of the Company designated by the Plan Administrator to receive an Award for a Plan Year shall become a Participant in the Plan with respect to such Plan Year. 5. Awards. (a) Amount of Awards. The Plan Administrator will determine in its discretion the amount of an Award, the Performance Criteria, the applicable Performance Goals relating to the Performance Criteria, and the amount and terms of payment to be made upon achievement of the Performance Goals for each Plan Year. All Awards will be paid in cash; in no event may any Award payable to any Participant under the Plan for any Plan Year exceed two hundred percent (200%) of the Participant's Base Salary. (b) Performance Criteria. For purposes of Awards granted under the Plan, the "Performance Criteria" for a given Plan Year shall be one or any combination of the following, for an identified subsidiary or business unit, as may be selected by the Plan Administrator in its sole discretion at the time of an Award: (i) earnings per share; (ii) operating income; (iii) return on equity or assets; (iv) cash flow; (v) net cash flow; (vi) cash flow from operations; (vii) EBITDA and/or adjusted EBITDA; (viii) revenue growth, product revenue and/or comparable sales growth; (ix) revenue ratios; (x) cost reductions; (xi) cost ratios or margins; (xii) overall revenue or sales growth; (xiii) expense reduction or management; (xiv) market position or market share; (xv) total shareholder return; (xvi) return on investment; (xvii) earnings before interest and taxes (EBIT); (xviii) net income/Net Sales PSUs Earned [redacted] or after taxes); (xix) return on assets or net assets; (xx) economic value added; (xxi) shareholder value added; (xxii) cash flow return on investment; (xxiii) net operating profit; (xxiv) net operating profit after tax; (xxv) return on capital; (xxvi) return on invested capital; (xxvii) customer growth; (xxviii) supply chain achievements; (xxix) financial ratios, including those measuring liquidity, activity, profitability or leverage; (xxx) financing and other capital raising transactions; (xxxi) strategic partnerships or transactions net revenue; or (xxxii) any combination of or a specified increase in any of the foregoing, or such other performance criteria determined to be appropriate by the Plan Administrator in its sole discretion. (c) Performance Goals. For purposes of Awards granted under the Plan, the "Performance Goals" for a given Plan Year shall be the levels of achievement relating to the Performance Criteria as may be selected by the Plan Administrator for the Award. Performance Goals shall be established for each Participant each Plan Year. The Plan Administrator may establish such Performance Goals relative to the applicable Performance Criteria as it determines in its sole discretion at the time of an Award. The Performance Goals for the Global MIP pool calculation are applied individually to each Performance Criteria. The Award issued for each Plan Year shall specify the Performance Goal threshold, target, and attainment levels. The Performance Goals may be applied by the Plan Administrator after excluding charges for restructurings, discontinued operations, extraordinary items and other unusual or non-recurring items, and the cumulative effects of accounting changes, and without regard to realized capital gains. The Award made to an individual Participant may be less (including no Award) than the percentage of the [redacted] TSR Modifier) Below Threshold Below \$[redacted] 10% Threshold \$[redacted] 150% Award determined based on the level of achievement of applicable Performance Goals. The Committee shall be precluded from increasing the Target Award but may apply its discretion to increase, reduce or eliminate

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such Award without the consent of the Participant, which determination shall be final and binding on the Participant. (d) Payment of Awards. An Award shall be earned prior to any claimed obligation to pay by the Company. The payment of awards under the Plan shall be made during the calendar year following the applicable Plan Year and within thirty days following the Committee's certification of the achievement of applicable Performance Goals, which generally shall be within two and one half months following the end of the applicable Plan Year. (e) Awards upon Leave of Absence. For purposes of the application of this Section under the Plan, a Participant's "Leave of Absence" and the duration thereof shall be deemed as recorded in the regular business records of the Company's Human Resources. If a Participant has a Leave of Absence that is six (6) months or less during the Plan Year, the Participant will be considered as active under the Plan for the entire Plan Year. As a result, any earned Award will not be prorated for the Plan Year. If a Participant has a Leave of Absence that exceeds six (6) months during the Plan Year, the Leave of Absence time in excess of six (6) months will be deemed inactive time under the Plan. As a result, any earned Award will be prorated in accordance with the time (if any) deemed active in the Plan. Human Resources shall have sole discretion to determine and record Participant's "active employment" under this Section. (f) Form of Payment. Awards under the Plan shall be paid in cash to Participant's banking account of record with the Company's Human Resources. (g) Tax Withholding. Any payment under this Plan shall be subject to applicable income and employment taxes and any other amounts that the Company is required by law to deduct and withhold from such payment. To the extent that shares of Company stock are used to satisfy withholding obligations of a Participant (whether previously-owned shares or shares withheld from a stock award), they may be used only to satisfy the minimum tax withholding required by law (or such other amount as will not have any adverse accounting impact as determined by the Committee). (h) Award Deductions. Any Award under the Plan may be reduced by a Participant's outstanding debts owed to the Company at the time payment of the Award is made and shall be subject to the terms of the Company's Clawback Policy, as it may be amended from time to time. 6. Termination of Employment. (a) General Rule. Subject to the provisions of Section 6(b), and 6(c) below, the obligation of the Company to satisfy payment of an Award to a Participant hereunder is conditioned upon the continued employment of the Participant with the Company at the time determined by the Plan Administrator for payment of an Award. If the employment of a Participant with the Company is terminated for any reason, at any time prior to the time determined by the Plan Administrator for payment of an Award hereunder, the Award shall be forfeited and automatically be cancelled without further action of the Company, unless otherwise provided by the Plan Administrator. (b) Termination Due to Retirement. For purposes of the application of this section under the Plan, unless otherwise expressly defined by an applicable jurisdiction, "Retirement" shall refer to a Participant's voluntary cessation of employment marked by a Human Resources record of Participant's intent to retire and (1) the Participant's attainment of age 55 with a minimum of ten completed years of service to Company, or (2) attainment of age 60 with a minimum of five completed years of service to the Company. In the event of a Retirement, a Participant's Award shall be prorated based on the percentage of time during the Plan Year the Participant was employed with the Company and eligible to participate with

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the Plan. Human Resources shall have sole discretion to determine and record Participant's "years of service" under this section. (c) Termination Due to Death. In the event of a Participant's death during the Plan Year, the Participant's Award shall be paid to Participant's estate and the Award shall be equivalent to the target award amount applicable to Participant under the Plan. For clarity, such target award amount shall not be prorated and shall be determined assuming Participant's full participation under the Plan through the end of the Plan Year. (d) Consideration for Terminations Excepted from General Rule. As determined by the Company in its sole discretion, payment of a prorated Award under this Section may be conditioned on the Participant (or the Participant's estate in the case of Death) executing, delivering and not timely revoking a general release of claims against the Company and its affiliates (in the form and manner to be provided by the Company) prior to the Award payment date. 7. General Provisions. (a) Effective Date. The Plan shall be effective commencing January 1, 2024. (b) Amendment and Termination. The Company may, from time to time, by action of the Board, amend, suspend or terminate any or all of the provisions of the Plan with respect to the then current Plan Year and any future Plan Year, without the requirement of obtaining the consent of the affected Participants. The Board shall not, without approval of a majority of the votes cast by the stockholders of the Company at a meeting of stockholders at which a proposal to amend the Plan is voted upon, (i) increase the maximum amount of compensation which may be awarded under the Plan to any individual, (ii) alter the Performance Goals, or (iii) extend the term of the Plan. Subject to the above provisions, the Board and the Committee shall have authority to amend the Plan to make changes that are consistent with the purpose of the Plan or to take into account changes in law and tax and accounting rules, as well as other developments and to make Awards which qualify for beneficial treatment under such rules without shareholder approval. (c) No Right to Employment. Nothing in the Plan shall be deemed to give any Participant the right to remain employed by the Company or to limit, in any way, the right of the Company to terminate, or to change the terms of, a Participant's employment at any time. (d) Governing Law. The Plan shall be governed by and construed in accordance with the laws of Delaware, without regard to the choice-of-law rules thereof. (e) Section 409A. The Company intends that payments and benefits under this Plan will either comply with or be exempt from Section 409A of the Internal Revenue Code of 1986, as amended (the "Code") and the regulations and guidance promulgated thereunder (collectively "Section 409A") and, accordingly, to the maximum extent permitted, this Plan shall be interpreted to be exempt from Section 409A or in compliance therewith, as applicable. Nothing contained herein shall constitute any representation or warranty by the Company regarding compliance with Section 409A. The Company shall have no obligation to take any action to prevent the assessment of any additional income tax, interest or penalties under Section 409A on any person and the Company, its subsidiaries and affiliates, and each of their respective employees or representatives, shall have no liability to any person with respect thereto. A termination of employment shall not be deemed to have occurred for purposes of any provision of the Plan providing for the payment of any amounts or benefits that are considered nonqualified deferred compensation under Section 409A upon or following a termination of employment, unless such termination is also a "separation from service" within the meaning of Section 409A and the payment thereof prior to a



"separation from service" would violate Section 409A. For purposes of any such provision of the Plan or relating to any such payments or benefits, references to a "termination," "termination of employment," or like terms shall mean "separation from service." If an amount is paid in two \$[] + 100% Maximum \$[] installments, for purposes of Section 409A, each installment shall be treated as a separate payment. Notwithstanding any contrary provision in the Plan, any payment(s) of nonqualified deferred compensation (within the meaning of Section 409A) that are otherwise required to be made under the Plan to a "specified employee" (as defined under Section 409A) as a result of his or her separation from service (other than a payment that is not subject to Section 409A) shall be delayed for the first six months following such separation from service (or, if earlier, until the date of death of the specified employee) and shall instead be paid on the day that immediately follows the end of such six-month period. 200%



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POLICY Adopted: January 3, 2017 Revised: November 1, 2023 Page 1 JELD-WEN, Inc. 2645 Silver Crescent Drive, Charlotte, NC 28273 USA www.jeld-wen.com January 3, 2025 CONFIDENTIAL Via Electronic Mail Only Kevin Lilly, Email: kclilly5@gmail.com Re: Separation and Release Agreement Dear Kevin, As you are aware, your employment with JELD-WEN ("the Company") ended effective January 3, 2025 ("Retirement Date"). You are sometimes referred to as "Executive" in this Agreement. In connection with your departure, the Company is making available to you this separation and release agreement (this "Agreement"). Under this Agreement, if you choose to accept it and do not exercise your right to revoke, as set forth in Paragraph 9, you will receive separation compensation above and beyond your final paycheck in accordance with Section 5(d) ("Termination Without Cause or for Good Reason"). 10 Securities Trading your Employment Agreement as set forth below (less applicable withholdings). Disclosure Policy I. Scope: This policy sets forth trading and disclosure guidelines applicable to JELD-WEN Holding, Inc., all payment to its subsidiaries and controlled affiliates and their respective officers, directors and employees (collectively, the "Company") any outstanding credit card charges ("JELD-WEN"), and addresses the following matters: • insider trading and the use of material non-public information; • restrictions on trading in Company securities for designated individuals, including blackout periods and pre-clearance trading procedures; • prohibitions on hedging or pledging Company securities for designated individuals; and • compliance with Regulation Fair Disclosure ("Regulation FD") promulgated by the U.S. Securities and Exchange Commission ("SEC"). Other Company policies place additional requirements on the confidentiality of Company information. This document does not replace those policies. II. Definitions: A. "Designated Persons" include the following: 1. Section 16 Officers and members of the Board of Directors of JELD-WEN Holding, Inc. ("JELD-WEN Directors"), and their administrative assistants; 2. all persons who assist in the preparation of, receive or have access to other debts owed by Company's 1 consolidated Company; A. Payments Severance Pay \$1,071,000 USD representing one year's base pay (\$595,000 USD) operating segments financial results; ii. liquidity or long-term forecasts; iii. drafts your target annual bonus (\$476,000 USD); severance pay will be made in twenty-six (26) equal bi-weekly instalments, commencing within 30 days after your return to quarterly and annual filings with the SEC; iv. drafts of quarterly and annual earnings releases; or v. drafts of presentations to debt and equity securities analysts; and 3. any other person that the General Counsel designates from time to time to be a Designated Person for purposes of an executed original policy, such as contractors or consultants who agree to Wendy Livingston, provided that you have access to material non-public information. B. "Immediate Family" means your spouse, parents (including step-parents), children (including step-children), siblings, mothers- and fathers-in-law, sons- and daughters-in-law and brothers- and sisters-in-law and any other individual (other than a tenant or employee) who shares your home and any other relative who might control or influence you. Not revoked this Agreement. 19.1 0.33



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Adopted: January 3, 2017 Revised: November 1, 2023 Page 2024 Bonus A prorated bonus for Management Incentive Plan (MIP) fiscal year 2024, based on actual Company performance and prorated for the number 10 C. "Insiders" include Designated Persons as well as any other person who has material non-public information about calendar months during FY2024 that you were employed, payable at Company D. Information on annual bonuses are paid to executives of the Company generally for MIP FY2024. Please note that applicable state and federal tax withholding rules may require the Company to withhold taxes from these amounts at a higher percentage than typically "material" if there is a substantial likelihood that a reasonable investor would consider the information required for payments of regular wages. B. Equity Your stock options, restricted stock units and performance stock units will continue to be governed by the applicable agreements under which they were granted, provided, however, notwithstanding the terms of said agreements and your Employment Agreement, that (i) you shall have ten years from the original grant date to exercise any vested and exercisable stock options, if you chose to do so, and (ii) any remaining unvested and/or unpaid options, restricted stock units, and performance stock units (based on actual performance) granted to you pursuant to annual compensation awards, shall vest, deciding whether to buy, sell or hold securities. Any information that could reasonably be expected to have a substantial effect on the Company's stock price, whether it is positive or negative, is considered material. There is no bright-line standard for assessing materiality; rather, materiality is based on an assessment of all of the facts and circumstances. Enforcement authorities often evaluate materiality in accordance with benefit terms, hindsight. While it is not possible said grants as though you were still employed by the Company on their respective vesting dates. In the event you decide to define all categories of material information, some examples of information that ordinarily exercise your options, you will login into the equity administration website offered by the Company (e.g., Shareworks, Fidelity) and follow the instructions. C. COBRA You are regarded as material include: 1. Consolidated and operating segments financial results and forecasts, including earnings or losses and liquidity; 2. a pending or proposed investment, joint venture, merger, acquisition, disposition or tender offer; 3. significant related party transactions; 4. significant events concerning the Company's assets; 5. a change in dividend policy, the declaration of a stock split, an offering of additional securities or the establishment of a repurchase program for Company securities; 6. bank borrowings or other financing transactions out of the ordinary course; 7. a significant change eligible to participate in COBRA elections will be sent separately. If you elect to continue participation through COBRA and have completed all necessary paperwork to make senior management change; 9. COBRA election, effective the first of the month following your Retirement Date, the Company will reimburse you for health coverage through COBRA for change in auditors; 10. pending or threatened significant litigation, or the resolution period; any such litigation; 11. the existence of severe liquidity problems; 12. a significant cybersecurity incident; and 13. the gain or loss of a significant customer or supplier. E. Information is "non-public" when it is not generally available up to 12 months following your effective Retirement Date up to investing public. Information is public amount the Company would have paid for insurance on your behalf. It is generally available through the media via you remained employee. To obtain reimbursement, send COBRA receipts to: JELD-WEN, Inc. Attn: Jason Weeks 2645 Silver Crescent Drive Charlotte, NC 28273 D. Outplacement Services You are eligible for outplacement services at press release or disclosed in public documents value of up to \$10,000 to be utilized within one year of your Retirement Date. Please coordinate with Jason Weeks (VP Talent and Total Rewards) to arrange for as filings with the SEC. If the information is not services.



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In exchange for these benefits, which you would otherwise not be entitled to receive, you agree to the terms described below, which include a general release of available claims. Separation Agreement 1. Release of Claims Executive hereby irrevocably, fully and finally releases the Company, its parent, subsidiaries, affiliates, directors, officers, agents and employees ("Releasees") from all causes of action, claims, suits, demands or other obligations or liabilities, whether known or unknown, suspected or unsuspected, that Executive ever had or now has as of the time that Executive signs this release which relate to his hiring, his employment with the Company, the termination of his employment with the Company and claims asserted shareholder derivative actions or shareholder class actions against general media Company and its officers and Board, to the extent those derivative class actions relate to the period during which Executive was employed by the Company. The claims released include, but are not limited to, any claims arising from or related to Executive's employment with the Company, such as claims arising under (as amended) Title VII of the Civil Rights Act of 1964, the Civil Rights Act of 1991, the Age Discrimination in a public filing, you should consider it Employment Act of 1974, the Americans with Disabilities Act, the Equal Pay Act, the Fair Labor Standards Act, the California Fair Employment and Housing Act, the California Labor Code, the Employee Retirement Income and Security Act of 1974 ("ERISA") (except for any vested right Executive has benefits under an ERISA plan), the state and federal Worker Adjustment and Retraining Notification Act, and the California Business and Professions Code; any other local, state (including but not limited to North

Caroline), federal, or foreign law governing employment; and the common law of contract and tort. In no event, however, shall any claims, causes of action, suits, demands or other obligations or liabilities, [non-public, F. "Section 16 Officers' means released pursuant to [forgoing if and to the extent they relate to: (i) claims for workers' compensation benefits under any of the Company's workers' compensation insurance policies or funds; (ii) claims related to Executive's COBRA rights; (iii) claims for indemnification from the Company to which Executive is or may become entitled, including but not limited to claims submitted to an insurance company providing the Company with directors and liability insurance; and (iv) any claims for benefits under any employee benefit plans [who are subject] that become due or owing at any time following Executive's termination of employment or retirement, including, but not limited to, any ERISA plans, deferred compensation plans or equity plans. Executive represents and warrants that he has not filed any claim, charge or complaint against any of the Releases. Executive intends that this release of claims cover all claims, whether or not known to Executive. Executive further recognizes the risk that, subsequent to the date of this release, Executive may incur loss, damage or injury which Executive attributes to [United States Securities Exchange Act of 1934, as amended (the "Exchange Act"). G. "Securities" of the Company include any securities of the Company or its subsidiaries, including common stock, preferred stock, restricted stock, share units, options, warrants, convertible debentures, derivative securities (such as publicly traded options, including puts and calls), and debt securities. H. "Trading" (or "trade") includes buying or selling (long or short) securities, writing options, puts or calls, pledging securities, exercising options or converting convertible securities; making an election to purchase or transfer under any employee stock purchase plan or dividend reinvestment plan, or deciding to invest in or divest of Company securities in 401(k), IRA, ESOP, KSOP or other retirement accounts. I. "You" includes any Insider and any entity (e.g., partnership, trust, etc.) that an Insider has majority control of or the ability to direct investments. III. Policy. PROHIBITION ON TRADING ON MATERIAL NON-PUBLIC INFORMATION U.S. federal laws and the laws of most jurisdictions establish strict guidelines regarding the use of material non-public information. It is illegal to buy or sell a security of a publicly traded company on the basis of material non-public information relating to those companies. This practice is often referred to as "insider trading." It is also illegal to "tip" others about insider information – meaning to pass material non-public information on to others or recommend to anyone the purchase or sale of any securities on the basis of material non-public information. The SEC and the United States Department of Justice (as well as authorities in other countries) pursue vigorously both insider trading and "tipping" violations. U.S. federal securities laws discourage insider trading by providing a wide range of potential punishments. In addition to requiring the return of profits gained or losses avoided, the SEC may impose a penalty of up to three times the unlawful windfall in a particular case. In addition, the government may impose a criminal fine of up to five million dollars (\$5,000,000) for an individual (and up to twenty-five million dollars (\$25,000,000) for corporations or other [claims encompassed].



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Adopted: January 3, 2017 Revised: November 1, 2023 Page 1 of 10 legal entities by this release. Executive expressly assumes this risk by signing this release and voluntarily and specifically waives any rights conferred by California Civil Code section 1542 which provides as follows: A general release does not extend to claims that the creditor twenty (20) years imprisonment. The government may hold employers liable if they releasing party does not recklessly disregard, employee conduct leading suspect an insider trading violation. Under these circumstances, employers exist in his or her favor at the time of executing the release and that, if known by him or her, would have materially affected his or her settlement with the debtor or released party. Executive also hereby waives any rights under the laws of the Commonwealth of Virginia, the State of New York, or any other jurisdiction which Executive face treble damages otherwise possess that are comparable to those set forth under California Civil Code section 1542. Executive represents exposure warrants that there has been no assignment or other transfer of any interest in any claim by Executive that is covered by this release. Executive acknowledges that he has been given at least 21 days in which plaintiffs review and consider this release, although Executive is free to execute this release at any time within a 45-day period. Executive acknowledges that he has been advised to consult ability attorney about this release. Executive also acknowledges his understanding that if Executive signs this release, Executive will have an additional 7 days from the date that Executive signs this release to revoke that acceptance, which Executive may effect by means of a written notice sent to the General Counsel of the employee who trades at the Company's corporate headquarters. If this 7-day period expires without a timely revocation, Executive acknowledges and agrees that this release will become final and effective. material non-public information cannot expect the eighth day following the date of Executive's signature, which eighth day will be the effective date of this release. Executive acknowledges and agrees that his execution of this release is supported by independent and adequate consideration in the form of payment and/or benefits from protect his or her interests. Accordingly, which Executive would not have become entitled if he had not signed this release. 2. Tax Consequences No representations are made by Company's policy is that no one with knowledge Company as to the tax consequences material non-public information the payments described in this Agreement. You are advised to consult a tax professional of your choice if you have any questions tax consequences of this Agreement. 3. Knowing and Voluntary Acceptance of Agreement and Release You acknowledge that you have carefully read the Agreement, understand its contents, and have had the opportunity to consult with an attorney if you wish to do so. You acknowledge that he may: • purchase, sell, or otherwise transact in any Company securities; • other than as necessary advises you conduct Company business, disclose such material non-public information to anyone, even within the Company; or • advise, recommend or suggest to anyone consult with an attorney regarding this agreement. You understand they purchase, sell, hold or exchange any Company securities based on material non-public information. Generally, trading you are releasing legal rights, including, without limitation, those identified Company's securities is prohibited until forty-eight (48) hours following Release of Claims set forth above. You also acknowledge that, as consideration for executing this Agreement, including public disclosure Release material non-public information. If Claims uncertain as receiving additional benefits and compensation whether information is material or non-public which should consult your manager or the General Counsel. This policy also precludes you from trading in the securities of another publicly traded company with which the Company does business, including a customer or supplier of JEOL-WE, if you are in possession of material non-public information about that other company. RESTRICTIONS ON TRADING IN THE COMPANY'S SECURITIES To ensure compliance with this policy and applicable U.S. federal securities laws, and to avoid even the appearance of trading on the basis of inside information, the Company places certain restrictions upon trading in the Company's securities generally or by specific individuals. A. Trading by Immediate Family. Even if your Immediate Family trades independently of you in a legal transaction without the benefit of material non-public information, government authorities will judge your and their actions in hindsight. Accordingly, you should advise your Immediate Family to abide by the same trading restrictions imposed upon you under this policy and you should exercise caution would to provide your Immediate Family with material non-public information or suggest that they trade in Company securities on your recommendation. Defense costs for you and/or your Immediate Family often exceed any gain that most people would have. derived from trading in the Company's securities necessarily be entitled.



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Adopted: January 3, 2017 Revised: November 1, 2023 Page 4. Applicable Law and Dispute Resolution This Agreement shall be construed in accordance with and governed by the statutes and common law. 10 B. Trading by Designated Persons. Designated Persons are required to pre-clear any trading in the state of North Carolina. Any disputes arising out of Company securities connection to General Counsel (or their designee) terms or enforcement of this Agreement shall be resolved by confidential mediation or binding arbitration in the State of North Carolina in accordance with the procedures of the American Arbitration Association or other procedures agreed upon by you. General Counsel is required to Company, provided, however, that either party shall be entitled to pre-clear any trading seek provisional remedies for Company securities with a court of competent jurisdiction. The costs of mediation and arbitration shall be borne equally by you and the Chief Executive Officer. Pre-clearance is based upon whether the individual is in possession (or might be deemed in hindsight to be in possession) of material non-public information, whether the individual has complied with the individual's SEC reporting obligations, whether the individual would be subject to disgorgement of short-swing profits under Section 16 of the Exchange Act, Company, 5. Confidentiality, whether all other legal requirements Proprietary Information and Non-Compete Continuing Duties. You acknowledge that you have been met from the Company's point of view. Pre-clearance also serves to ensure that any trades are properly reported to the SEC where required. 1. Blackout Periods. The Company prohibits Designated Persons, a fiduciary duty as a former employee, their controlled entities, from trading in Company securities during quarterly "blackout" periods because of their access to the Company's internal financial statements or other material non-public information regarding the Company's performance during annual and quarterly fiscal periods. i. Quarterly Blackout Periods. The blackout period for each fiscal quarter begins on the twentieth (20) calendar day of the third fiscal month of each fiscal quarter and continues until forty-eight (48) hours following the public release of that quarter's earnings (for example, if earnings are publicly released at 4:30 p.m. ET on a Monday, you may commence trading in Company securities, provided you are not in possession of any material non-public information, when the New York Stock Exchange opens on Thursday). ii. Special Blackout Periods. From time to time, the General Counsel may prohibit specific groups of directors, officers or employees officer to keep confidential all proprietary and/or confidential information obtained by you during the course of your employment (including, but not limited to, as set forth in possession of material non-public information from trading in Company securities until such information is disclosed publicly. 2. Procedure for Pre-Clearance of Trades. A request for pre-clearance shall be submitted by your Employment Agreement. You further acknowledge that you have continuing obligations to General Counsel (or their designee) at least two (2) business days Company and its subsidiaries under the terms of your Employment Agreement, including but not limited to non-compete and non-solicitation obligations. Additionally, you acknowledge that as a former Section 16 officer of the Company, you have continuing obligations with respect to reporting trades in the Company's stock. For a period of 6 months following your Retirement Date, you will continue to notify the Corporate Secretary both and following any such trades made by you or by any affiliated individual. 6. Intellectual Property. You acknowledge that all intellectual property (including without limitation any invention, design, technique, patent, or the like) conceived or created by you during your employment with the Company is the property of the proposed transaction and should include any pertinent information as needed by the General Counsel (or their designee) is under no You also acknowledge that you have an approve a transaction submitted to the Company in disclosing such intellectual property to the Company, and in assigning such intellectual property to the Company, including signing any necessary documents. You hereby acknowledge and expressly reaffirm these obligations, and further agree to cooperate with the Company after your employment ends by disclosing and confirming the Company's ownership in any such intellectual property conceived or created during your employment with the Company (including without limitation signing necessary documents at the Company's request), in exchange for pre-clearance and may determine, in their sole discretion, not the consideration provided to approve the transaction. If a person seeks pre-clearance and approval to engage in the you under this Agreement

Adopted: January 3, 2017 Revised: November 1, 2023 Page 7 of 10 transaction is denied, then he or she should refrain from initiating any transaction in [] securities. You acknowledge that you must immediately return to the Company all Company-owned equipment furnished to you, including but not limited to your cellular phone, company credit card, computer, printer, fax machine, [] should not inform any other person of [] keys unless you and [] restriction. Once pre-clearance is granted, (i) JELD-WEN Directors, Section 16 Officers and Designated Persons who are also members of [] Company have agreed to an alternative arrangement with [] senior leadership team [] Company. This equipment [] complete the pre-cleared transaction within 24 hours of the approval and (ii) all other Designated Persons must complete the pre-cleared transaction within 48 hours of the approval or such later date given [] be returned [] approval. If same condition as it was when assigned to you, excepting normal wear, and you must not alter, delete, or otherwise modify any information contained on any such devices. The Company's obligations under this Agreement are contingent upon your return of all such property (or other agreed upon arrangement that protects confidential and proprietary Company information as set forth in Section 5), and no Company payments will be made to you until such property has been returned. 8. Acknowledgement You acknowledge that this Agreement contains [] transaction is not completed within the required time period, pre-clearance of the transaction must be re-requested. 3. Disclaimer of Liability. When a request for pre-clearance is made, the requestor should carefully consider whether he or she may be aware of any material non-public information about [] entire agreement and understanding between you and [] should describe fully those circumstances [] supersedes and replaces all prior negotiations and agreements concerning the subjects of this Agreement, except [] General Counsel. Even if a proposed transaction receives pre-clearance approval, [] extent that your Employment Agreement continues to apply, You acknowledge that (a) [] still may not enter into [] have read [] transaction if [] Agreement and understand the effect of your release and that [] aware [] releasing legal rights including without limitation those identified in Paragraph 1, (b) are not relying on any representations or statements made by the Company or its representatives, other than those specifically contained in this Agreement, (c) you have had adequate time to consider this Agreement (as set forth below), (d) as consideration for executing this Agreement, you have received additional benefits and compensation, [] material non-public information. Neither [] value to which you would not otherwise be entitled, and (e) you have been and hereby are advised in writing to review this Agreement with legal counsel of your choice prior to execution. 9. Time for Consideration of Offer and Agreement You acknowledge that this offer provides you with a consideration period of at least 21 days from [] General Counsel, his or her designee nor date of receipt and (as a courtesy) up to a maximum of 45 days (the "Consideration Period"). In the event you have not executed this Agreement by the expiration of the Consideration Period, this offer shall expire and [] be liable for clearing a trade when have no further obligation to [] are aware of material non-public information, nor for lost profits [] under this Separation and Release agreement, your Employment Agreement, and [] opportunities as a result of a failure to pre-clear a trade or plan or timely pre-clear a trade or plan. The Company may place stock transfer restrictions within the third-party platform utilized by the Company to manage its equity grants to prevent transfers until [] pre-clearance obligations are met. C. Trading by other [] claimed agreement between you and [] Trades by [] You may execute this Agreement at any time following your Retirement Date and before [] Company expiration of the Consideration Period. This Agreement shall be effective on the date it is signed. However, you shall have a period of seven (7) days from your execution of this Agreement [] its own securities, such as stock repurchases, are subject [] which you may revoke this Agreement. Notice of this revocation, if any, shall be made in writing addressed to [] Wendy Livingston in [] same blackout periods as trades by Insiders. Except for trades in Company securities made pursuant to [] Charlotte office with [] Compliant Rule 105-1 plan as described below, employees shall not cause the Company to trade in its own securities without prior clearance from the General Counsel. D. Exceptions. Transactions that may be necessary or justifiable for independent reasons (such as the need to raise money for an emergency expenditure), or small transactions, are not excepted from this policy. The securities laws do not recognize any mitigating circumstances. Even the appearance of an improper transaction must be avoided to preserve the Company's reputation for adhering to the highest standards of conduct. Any exception to this policy may be granted only by the General Counsel, copy to: JELD-WEN Benefits Department Attn: Jason Weeks 2654 Silver Crescent Drive Charlotte, NC 28273

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Adopted: January 3, 2017 Revised: November 1, 2023 Page 1 of 10 PROHIBITION ON HEDGING OR PLEDGING COMPANY SECURITIES Because [REDACTED] Company believes it is improper and inappropriate for Designated Persons to engage in short-term or speculative transactions involving Company securities, the Company prohibits the purchase or sale of financial instruments (including options, puts, calls, straddles, equity swaps or other derivative securities that are directly linked to Company stock) or other transactions (such as short sales) that are designed to, or that have the effect of, hedging or offsetting any decrease in the market value of Company securities, by Designated Persons. In addition, the Company prohibits pledging of Company stock as collateral by Designated Persons. These prohibitions [REDACTED] event you [REDACTED] apply/exercise your right [REDACTED] transactions entered prior to [REDACTED] revoke this Agreement, this Agreement shall remain in effect and shall become effective and irrevocable on [REDACTED] adoption of this policy. TRADING PLANS The U.S. securities laws allow for specific safe harbors from insider trading liability, such as trades pursuant to a date [REDACTED] immediately following the seven (7) day revocation period described above. 10. Mutual Non-Disparagement You agree that you will not make any untrue or misleading [REDACTED] trading plan adopted pursuant to Rule 10b5-1(c) of the Exchange Act. Any JELD-WEN Director, Section 16 Officer [REDACTED] member of the senior leadership team who wishes to implement a Rule 10b5-1 trading plan must first pre-clear the plan with the General Counsel (or their designee). Modifications or amendments to existing Rule 10b5-1 trading plans must also be pre-cleared with the General Counsel (or their designee). As required by Rule 10b5-1, a person may enter into a trading plan only when he or she is not in possession of material non-public information. In addition, a Rule 10b5-1 trading plan may not be entered into during a blackout period. Any Rule 10b5-1 plan (including modifications or amendments) adopted by a JELD-WEN Director or Section 16 Officer must comply with federal securities laws, including: A. Cooling Off Period. A cooling off period the later of (1) 90 days following plan adoption or modification or (2) two (2) business days after filing of the Company's Form 10-Q or 10-K for the fiscal quarter in which the plan was adopted or modified. B. Affirmative Statement. A representation that at the time of adoption or modification of a plan you (1) are not aware of any material non-public information of [REDACTED] oral statement about [REDACTED] (2) adopted [REDACTED] its current officers and directors, [REDACTED] modified the plan in good faith and not [REDACTED] about your employment at JELD-WEN, Inc., that is intended or would reasonably be expected to evade Rule 10b5-1 prohibitions. C. No Overlapping Plans. Only one trading plan is permitted at a time. Multiple trading plans are not permitted even if the plans cover different time periods.

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Adopted: January 3, 2017 Revised: November 1, 2023 Page 8 of 10 TRANSACTIONS WITH THE COMPANY This policy does not apply in the case of the following transactions, except as specifically noted: A. Stock Option Exercises. This policy does not apply cause harm, the exercise of an employee is and, director stock option acquired pursuant to the Company's compensation plans, or to the exercise of a tax withholding right pursuant to which a person has elected to have their reputation. Similarly, withhold agrees that its current officers and directors (including anyone acting expressly on their behalf) shall not make any untrue sell shares subject misleading written or oral statement about you or your employment at JELD-WEN, Inc. that is intended or would reasonably be expected an option cause harm satisfy tax withholding requirements, provided your reputation. You agree in the case of selling shares, such election was made during an open trading window. This policy does apply, however, to any other sale of stock as part of a broker-assisted cashless exercise of an option, you will not discuss your employment, termination, market sale for the purpose of generating the cash needed to pay the exercise price of an option. B. Restricted Stock Awards. This policy does not apply to the vesting of restricted stock Company matters with any investors, analysts, restricted stock units, or the exercise of a tax withholding right pursuant to which other third parties provided, however, that elect to have and withhold shares will agree to appropriate responses to be given by each party in response to inquiries from your future prospective employers. 11. Severability. If any term, clause or portion stock this Agreement shall, for any reason, be held, satisfy tax withholding requirements upon the vesting of any restricted stock. C. Other Similar Transactions. Any other purchase of Company securities from the Company be invalid. Sales of Company securities unenforceable or the Company are not subject to contrary this policy. DISCLOSURE OF MATERIAL NON-PUBLIC INFORMATION: PROHIBITION AGAINST SELECTIVE DISCLOSURE JELD-WEN is committed to the full, fair, accurate, timely and understandable disclosure of information regarding its historical performance and future prospects to investors in compliance with all applicable securities laws, including the SEC's Regulation FD, which mandates that companies avoid selectively disclosing market-sensitive information to participants in the securities markets, and the rules of the New York Stock Exchange. The Company provides public disclosure of information through various means, including publicly noticed webcasts, filed or furnished SEC reports, press releases, social media and other methods of disclosure that are reasonably designed to provide broad, non-exclusionary and non-selective distribution of information to the public. A. Authorized Representatives. Only the Chief Executive Officer, Chief Financial Officer, head of Investor Relations, head of Corporate Communications and in certain circumstances their designees, are authorized to communicate financial or material non-public information regarding the Company to anyone outside of the Company.

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Adopted: January 3, 2017 Revised: November 1, 2023 Page 9 of 10 B. Required Approvals. Any communication of financial or material non-public information (or information that may be considered as such) to anyone outside of the Company, including through planned webcasts, SEC reports and press releases, must be reviewed and approved by the head of Investor Relations, head of Corporate Communications, the Chief Financial Officer and the General Counsel.

in advance. C. Inadvertent or Other Disclosures Outside this Policy. To avoid serious violations of law, any inadvertent disclosure of material non-public information **policy** disclosure in violation **law**, then the remainder **policy** must **Agreement** shall not **be affected by such invalidity or unenforceability but shall remain in full force and effect, as if** **General Counsel** **invalid or unenforceable term or portion thereof had not existed within this Agreement.** Sincerely, **JELD-WEN, Inc.** By: **Wendy Livingston** Executive VP, Human Resources I have read **understand** head of Investor Relations. The General Counsel **foregoing Agreement** head of Investor Relations will determine any corrective action necessary to comply with Regulation FD by signing below. I knowingly **other federal securities laws.** D. Quiet Period. The Company will observe a "quiet period" during which communications with analysts **voluntarily enter into this Agreement.** Investors on financial information regarding the quarter (and regarding the full fiscal year during the fourth quarter) will be restricted. The quiet period will begin at the end of the business day on the last business day of the fiscal quarter or year **understand that I am waiving** Continue until the Company's earnings information for the applicable period is made public. However, answers to fact-based questions **releasing legal claims that I** **be answered via email by a member of Investor Relations, the Chief Financial Officer or the Chief Executive Officer to analysts and investors upon request.** Subject to approval by the General Counsel, exceptions may occur based on the need to discuss breaking news or otherwise. E. Analyst Reports. Analyst reports may only be reviewed to correct errors that can be corrected by referring to publicly available, historical factual information or to correct any mathematical errors. F. Media Communications. Any inquiries from the media or press should be referred to Corporate Communications. G. Marketplace Rumors. The Company typically will not comment on marketplace rumors regarding the Company's operations or potential transactions involving **have against** Examples of such rumors include speculation **I also understand** **is in discussions** **may be required** **acquire** another company or that the Company's quarterly operating results will exceed projections made by securities analysts. Employees who become aware of rumors that they expect could impact the market for the Company's securities should advise the General Counsel and the Authorized Representatives described above.



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Adopted: January 3, 2017 Revised: November 1, 2023 Page 10 of 10 SEC REPORTING U.S. federal securities laws require JELD-WEN directors and Section 16 Officers to make certain filings/file this Agreement SEC upon becoming a director or Section 16 Officer ~~Securities~~ in connection with any trading in Company securities (including the grant of equity interests). Under U.S. federal law and Company policy, it is the responsibility of each JELD-WEN director and Section 16 Officer to make all required filings timely. Directors and Section 16 Officers must report all transactions immediately to the General Counsel, who will assist in making these filings. ~~RESPONSIBILITY AND CONSEQUENCES OF VIOLATIONS~~ A. Individual Responsibility. In all cases, the responsibility for determining whether an individual is in possession of material non-public information rests with that individual, and any action on the part of the Company, the General Counsel or any other employee or JELD-WEN director/Exchange Commission ~~the~~ this policy (or otherwise) does not in any way constitute legal advice or insulate an individual from liability under securities laws. B. Consequences of Violations. In addition to civil and criminal penalties that may be imposed by governmental authorities, such as those described in Section III, an individual's failure to comply results in a violation of law. IV. Management and Administration: The Company's General Counsel shall administer this policy. All interpretations and decisions by the General Counsel or their designee shall be final and not subject to further review. The Legal Department will be responsible for the management of this policy. The General Counsel has final authority over this policy. Any requests for changes to the policy should be made to the policy owner. Any changes shall be reviewed and approved in accordance with JELD-WEN's policy review process then in effect ~~regulations. Accepted:~~ Kevin Lilly



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Builders Paradise (St. Kitts) Ltd. St. Kitts

of Latvia, Latvija.

Oy Finland Matttov

Domoferm Service GmbH Austria



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December 31, 2023 December 31, 2024

Domoferm d.o.o. Croatia OOO Domoferm Russia



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23.1 Exhibit 22.1 Subsidiary Guarantor and Issuers of Guaranteed Securities As of February 20, 2025. JELD-WEN Holding, Inc. ("Holdings") has guaranteed each of the senior unsecured debt securities issued by JELD-WEN, Inc. ("JELD-WEN") & Holdings listed below. Holdings owns, directly or indirectly, 100% of each guarantor subsidiary. The guarantees are unsecured obligations of the respective guarantor subsidiary under the 4.875% Senior Notes due 2027 and the 7.00% Senior Notes due 2032. NAME OF GUARANTOR SUBSIDIARY JURISDICTION OF INCORPORATION OR ORGANIZATION JW International Holdings, Inc. Nevada JW Real Estate, Inc. Nevada J B L Hawaii, Limited Hawaii SENIOR UNSECURED DEBT SECURITIES OF JELD-WEN GUARANTEED BY THE GUARANTOR SUBSIDIARIES 4.875% Senior Notes due 2027 7.00% Senior Notes due 2032



Exhibit 31.1

**CERTIFICATION OF PERIODIC REPORT UNDER SECTION 302 OF
THE SARBANES-OXLEY ACT OF 2002**

I, William J. Christensen, certify that:

1. I have reviewed this Annual Report on Form 10-K for the fiscal period ended **December 31, 2023 December 31, 2024** of JELD-WEN Holding, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: **February 20, 2024 February 20, 2025**

/s/ William J. Christensen
 William J. Christensen
 Chief Executive Officer
 (Principal Executive Officer)

Exhibit 31.2

**CERTIFICATION OF PERIODIC REPORT UNDER SECTION 302 OF
THE SARBANES-OXLEY ACT OF 2002**

I, Julie Albrecht, Samantha L. Stoddard, certify that:

1. I have reviewed this Annual Report on Form 10-K for the fiscal period ended **December 31, 2023 December 31, 2024** of JELD-WEN Holding, Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; and
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: **February 20, 2024** February 20, 2025

/s/ Julie Albrecht Samantha L. Stoddard
Julie Albrecht Samantha L. Stoddard
 Executive Vice President and Chief Financial Officer (Principal Financial Officer)

Exhibit 32.1

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350
 AS ADOPTED PURSUANT TO SECTION 906
 OF THE SARBANES-OXLEY ACT OF 2002**

Pursuant to 18 U.S.C. §1350, we, the undersigned officers of JELD-WEN Holding, Inc. (the "Company"), do hereby certify that the Company's Annual Report on Form 10-K for the fiscal period ended **December 31, 2023** December 31, 2024 (the "Report") fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: **February 20, 2024** February 20, 2025

/s/ William J. Christensen
 William J. Christensen
 Chief Executive Officer
 (Principal Executive Officer)

/s/ Julie Albrecht Samantha L. Stoddard
Julie Albrecht Samantha L. Stoddard
 Executive Vice President and Chief Financial Officer (Principal Financial Officer)

The foregoing certification is being furnished solely pursuant to 18 U.S.C. §1350 and is not being filed as part of the Report or as a separate disclosure document.



Page 1 of 7 Revised: 10/31/2023 POLICY JELD-WEN Holding, Inc. Incentive Compensation Clawback Policy I. Purpose: The purpose of this Incentive Compensation Clawback Policy (the "Policy") is to define the events that may require Covered Employees or Officers to repay or return to JELD-WEN Holding, Inc. (the "Company") certain cash and equity Incentive-based Compensation. II. Scope: The Compensation Committee (the "Committee") of the Company's Board of Directors adopts this "clawback" policy under which, upon the occurrence of certain events, Covered Employees or Officers may be required to repay or return to the Company certain cash and equity Incentive-based Compensation. In the event of that the Company is required to prepare a Restatement (a "Restatement Triggering Event") or a Misconduct Triggering Event, the Committee shall reasonably promptly (in accordance with the Applicable Rules): 1. Determine the amount of Recoverable Incentive for each Officer in connection with the Restatement; a. For Restatement Eligible Incentive Compensation based on stock price or total shareholder return where the amount of Recoverable Incentive is not subject to mathematical recalculation directly from the information in the applicable Restatement, the amount shall be determined by the Committee (or its designee) based on a reasonable estimate of the effect of the Restatement on the stock price or total shareholder return upon which the Restatement Eligible Incentive Compensation was Received (in which case, the Company shall maintain documentation of such determination of that reasonable estimate and provide such documentation to the Listing Exchange). 2. Provide each Officer with written notice containing the amount of Recoverable Incentive and a demand for repayment or return, as applicable; and 3. Recover the amount of Recoverable Incentive through any Method of Recovery it deems reasonable and appropriate in its discretion based on all applicable facts and circumstances and taking into account the time value of money and the cost to shareholders of delaying recovery paid to an individual during the Applicable Period, unless recovery would be Impracticable. Exhibit 97.1

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Page 2 of 7 . Revised: 10/31/2023 IV. Discretionary Recovery for a Misconduct Triggering Event Upon the occurrence of a Misconduct Triggering Event, the Committee may, in its sole discretion, after evaluating the associated costs and benefits, recover all or any portion of the Recoverable Incentive paid to an individual during the Applicable Period. In addition, the Committee may, in its sole discretion and in the reasonable exercise of its business judgment, determine whether and to what extent additional action is appropriate to address the circumstances surrounding such Misconduct Triggering Event so as to minimize the likelihood of any recurrence and to impose such other discipline as it deems appropriate. In exercising the discretion afforded to it under this Policy, the Committee may consider any and all facts it considers relevant under all of the circumstances, including without limitation (i) the likelihood of success of any recovery under this Policy under governing law as compared to the cost and effort involved, (ii) whether the assertion of a claim may prejudice the interests of the Company, including in any related proceeding or investigation, (iii) the passage of time since the occurrence of the Misconduct Triggering Event and (iv) any pending legal proceeding relating to the Misconduct Triggering Event. Subject to applicable law, the Committee may seek to recover any Recoverable Incentive by requiring any affected Covered Employee to repay such amount to the Company, by set-off, by reducing future compensation, or by such other means or combination of means as the Committee, in its sole discretion, determines to be appropriate. V. Definitions: For the purposes of this Policy, the following terms have the following meanings. A. "Adverse Effect" means any significant adverse impact on the reputation of, or a significant adverse economic consequence for the Company or any of its affiliated companies, or any division or segment thereof. B. "Applicable Period" means (i) in the case of any Restatement, the three completed fiscal years of the Company immediately preceding the Restatement Date and (ii) in the case of any Improper Conduct, the period commencing one year prior to the date of the Improper Conduct and continuing until the time the Improper Conduct is discovered, as determined by the Committee. C. "Applicable Rules" means Section 10D of the Exchange Act and any applicable rules or standards adopted by the SEC thereunder (including Rule 10D-1 under the Exchange Act) or the Listing Exchange pursuant to Rule 10D-1 under the Exchange Act (including Section 303A.14 of the New York Stock Exchange Listed Company Manual), in each case as may be in effect from time to time.

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Page 3 of 7 . Revised: 10/31/2023 D. "Covered Employee" means any officer or other employee who may from time to time receive Incentive-based Compensation from the Company. E. "Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder. F. "Financial Reporting Measures" means measures that are determined and presented in accordance with the accounting principles used in preparing the Company's financial statements, and any measures that are derived wholly or in part from such measures. Stock price and total shareholder return shall for purposes of this Policy be considered Financial Reporting Measures. For the avoidance of doubt, a Financial Reporting Measure need not be presented within the Company's financial statements or included in a filing with the SEC. G. "Impracticable" means in accordance with the good faith determination of the Committee, or if the Committee does not consist of independent directors, a majority of the independent directors serving on the Board of Directors, that either: (i) the direct expenses paid to a third party to assist in enforcing the Policy against an Officer would exceed the amount to be recovered, after the Company has made a reasonable attempt to recover the applicable Recoverable Incentive, documented such reasonable attempt(s) and provided such documentation to the Listing Exchange; (ii) recovery would violate home country law where that law was adopted prior to November 28, 2022, provided that, before concluding that it would be impracticable to recover any amount of Recoverable Incentive based on violation of home country law, the Company has obtained an opinion of home country counsel, acceptable to the Listing Exchange, that recovery would result in such a violation and a copy of the opinion is provided to the Listing Exchange; or (iii) recovery would likely cause an otherwise tax-qualified retirement plan, under which benefits are broadly available to employees of the Company, to fail to meet the requirements of 26 U.S.C. § 401(a)(13) or 26 U.S.C. § 411(a) and regulations thereunder. H. "Improper Conduct" means (i) the conviction or entry of a plea of guilty or nolo contendere to (A) any felony or (B) any crime (whether or not a felony) involving moral turpitude, fraud, theft, breach of trust or other similar acts, whether under the laws of the United States or any state thereof or any similar foreign law to which the person may be subject; (ii) being engaged or having engaged in conduct constituting breach of fiduciary duty, dishonesty, willful misconduct or material neglect relating to the Company or any of its subsidiaries or the performance of a person's duties; (iii) appropriation (or an overt act attempting appropriation) of a material business opportunity of the Company or any of its subsidiaries; (iv) misappropriation (or an overt act attempting misappropriation) of any funds of the Company or any of its



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Page 4 of 7 . Revised: 10/31/2023 subsidiaries; (v) the willful failure to (A) follow a reasonable and lawful directive of the Company or any of its subsidiaries at which a person is employed or provides services, or the Committee or (B) comply with any written rules, regulations, policies or procedures of the Company or a subsidiary at which a person is employed or to which he or she provides services which, if not complied with, would reasonably be expected to have more than a de minimis Adverse Effect on the business or financial condition of the Company; (vi) violation of a person's employment, consulting, separation or similar agreement with the Company or any non-disclosure, non-solicitation or non-competition covenant in any other agreement to which the person is subject; (vii) deliberate and continued failure to perform material duties to the Company or any of its subsidiaries; or (viii) violation of the Company's Code of Business Conduct and Ethics, as it may be amended from time to time. I. "Incentive-based Compensation" means any compensation that is granted, earned or vested based wholly or in part upon the attainment of a Financial Reporting Measure. Incentive-based Compensation also includes time-based restricted stock unit awards (vested and unvested) with respect to any Misconduct Triggering Event. For the avoidance of doubt, Incentive-based Compensation includes commissions. J. "Method of Recovery" includes, but is not limited to: (i) requiring reimbursement of any Recoverable Incentive; (ii) seeking recovery of any gain realized on the vesting, exercise, settlement, sale, transfer, or other disposition of any equity-based awards; (iii) offsetting the Recoverable Incentive from any compensation otherwise owed by the Company to an Officer; (iv) cancelling outstanding vested or unvested equity awards; and/or (v) taking any other remedial and recovery action permitted by applicable law, as determined by the Board of Directors or the Committee. K. "Misconduct Triggering Event" means, with respect to any Covered Employee, that person engaging in or having engaged in fraud or willful misconduct that results in a Restatement or otherwise engaging in or having engaged in Improper Conduct. L. "Listing Exchange" means the New York Stock Exchange or such other U.S. national securities exchange or national securities association on which the Company's securities are listed. M. "Officer" has the meaning set forth in Rule 16a-1(f) of the Exchange Act, as applied by the Board of Directors from time to time, and any other senior executive of the Company who may from time to time be deemed subject to the Policy by the Committee.

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Page 6 of 7 . Revised: 10/31/2023 authorized to take such action if Board of Directors or Committee action is not required, concludes, or reasonably should have concluded, that the Company is required to prepare a Restatement, or (ii) the date a court, regulator or other legally authorized body directs the Company to prepare a Restatement. **R.** "Restatement Eligible Incentive Compensation" means, with respect to each individual who served as an Officer at any time during the applicable performance period for any Incentive-based Compensation (whether or not such individual is serving as an Officer at the time the Recoverable Incentive is required to be repaid to the Company), all Incentive-based Compensation Received by such individual: (i) on or after October 2, 2023; (ii) after beginning service as an Officer; (iii) while the Company has a class of securities listed on the Listing Exchange; and (iv) during the Applicable Period. **S.** "SEC" means the U.S. Securities and Exchange Commission. **T.** "Triggering Event" means either a Restatement Triggering Event or a Misconduct Triggering Event. **VI. Indemnification and Disclosure** **INDEMNIFICATION PROHIBITION**
The Company shall not be permitted to indemnify any Officer against the loss of any Recoverable Incentive that is repaid, returned or recovered in connection with a Restatement Triggering Event, pursuant to the terms of this Policy and/or pursuant to the Applicable Rules or to pay or reimburse any Officer for the cost of third-party insurance purchased by an Officer to cover any such loss under this Policy and/or pursuant to the Applicable Rules. Further, the Company shall not enter into any agreement that exempts any incentive-based Compensation from the application of this Policy relating to a Restatement Triggering Event or that waives the Company's right to recovery of any Recoverable Incentive relating to a Restatement Triggering Event and this Policy shall supersede any such agreement (whether entered into before, on or after October 2, 2023). Any such purported indemnification (whether oral or in writing) shall be null and void. **DISCLOSURE** The Company shall file all disclosures with respect to this Policy in accordance with the requirements of U.S. federal securities laws, including any disclosure required by applicable SEC rules. The Company shall disclose to its stockholders, not later than the filing of the next following proxy statement, the actions taken or the decision not to take action with regard to recovery or non-recovery, as the case may be, of Recoverable Incentive (including reporting

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Page 7 of 7 Revised: 10/31/2023 the aggregate amounts recovered) related to any Triggering Event, if such event has been previously disclosed in the Company's filings with the SEC. VII. Management and Administration: ADMINISTRATION Except as specifically set forth herein, this Policy shall be administered by the Committee. Any determinations made by the Board or its committees shall be final and binding on all affected individuals and need not be uniform with respect to each individual covered by this Policy. Subject to any limitation under applicable law, the Committee may authorize and empower any officer or employee of the Company to take any and all actions necessary or appropriate to carry out the purpose and intent of this Policy (other than with respect to any recovery under this Policy involving such officer or employee). The Committee is authorized to engage, on behalf of the Company, any third-party advisors it deems advisable in order to perform any calculations contemplated by this Policy. INTERPRETATION AND COMPLIANCE This Policy will be interpreted and enforced, and appropriate disclosures and filings will be made, in a manner that is consistent with the Applicable Rules. The terms of this Policy shall also be construed and enforced in such a manner as to comply with applicable law, including the Sarbanes-Oxley Act of 2002, the Dodd-Frank Wall Street Reform and Consumer Protection Act, and any other law or regulation that the Committee determines is applicable. To the extent the Applicable Rules require the Company to recover Incentive-based Compensation in additional circumstances besides those specified above, nothing in this Policy shall be deemed to restrict the right of the Company to recover Incentive-based Compensation to the fullest extent required by the Applicable Rules. To the extent any provision of this Policy is in any manner deemed inconsistent with or unenforceable or invalid by the Applicable Rules, this Policy shall be treated as retroactively and automatically amended to be compliant with such rules and such provision shall be applied to the maximum extent permitted by applicable law. AMENDMENT AND TERMINATION The Committee may terminate this Policy at any time. The Committee may also, from time to time, suspend, discontinue, revise, or amend this Policy in any respect whatsoever. Nothing in this Policy will be deemed to limit or restrict the Company from providing for recoupment, repayment and/or forfeiture of compensation (including Incentive-based Compensation) under circumstances not set forth in this Policy. Notwithstanding anything in this paragraph to the contrary, no amendment or termination of this Policy shall be effective if such amendment or termination would (after taking into account any actions taken by the Company contemporaneously with such amendment or termination) cause the Company to violate the Applicable Rules, or any federal securities law, SEC rule or Listing Exchange rule.

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