SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 1)*

NN INC

(Name of Issuer)

Common Stock

(Title of Class of Securities)

(CUSIP Number)

09/30/2026

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- ☐ Rule 13d-1(b)
- ☑ Rule 13d-1(c)
- ☐ Rule 13d-1(d)

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons Morgan Stanley
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)
3	Sec Use Only
4	Citizenship or Place of Organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00
9		Aggregate Amount Beneficially Owned by Each Reporting Person 0.00
10		Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11		Percent of class represented by amount in row (9) 0.0 %
12		Type of Reporting Person (See Instructions) HC, CO

Comment for Type of Reporting Person: As of the date hereof, Morgan Stanley has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

1		Names of Reporting Persons MS Capital Partners Adviser Inc.
2		Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)
3		Sec Use Only
4		Citizenship or Place of Organization DELAWARE
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00
9		Aggregate Amount Beneficially Owned by Each Reporting Person 0.00

10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)	☐
11	Percent of class represented by amount in row (9)	0.0 %
12	Type of Reporting Person (See Instructions)	IA, CO

Comment for Type of Reporting Person: As of the date hereof, MS Capital Partners Adviser Inc. has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons	NHTV Nevada Holdings LP
2	Check the appropriate box if a member of a Group (see instructions)	☐ (a) ☐ (b)
3	Sec Use Only	
4	Citizenship or Place of Organization	DELAWARE
Number of Shares Beneficially Owned by Each Reporting Person With:	5 Sole Voting Power	0.00
	6 Shared Voting Power	0.00
	7 Sole Dispositive Power	0.00
	8 Shared Dispositive Power	0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person	0.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)	☐
11	Percent of class represented by amount in row (9)	0.0 %
12	Type of Reporting Person (See Instructions)	PN

Comment for Type of Reporting Person: As of the date hereof, NHTV Nevada Holdings LP has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons NHTV Nevada Holdings GP LLC	
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization DELAWARE	
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 0.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐	
11	Percent of class represented by amount in row (9) 0.0 %	
12	Type of Reporting Person (See Instructions) OO	

Comment for Type of Reporting Person: As of the date hereof, NHTV Nevada Holdings GP LLC has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons North Haven Tactical Value Fund LP	
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization DELAWARE	
Number of	5	Sole Voting Power

Shares Beneficially Owned by Each Reporting Person With:		0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00
9		Aggregate Amount Beneficially Owned by Each Reporting Person 0.00
10		Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11		Percent of class represented by amount in row (9) 0.0 %
12		Type of Reporting Person (See Instructions) PN

Comment for Type of Reporting Person: As of the date hereof, North Haven Tactical Value Fund LP has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

1		Names of Reporting Persons MS Tactical Value Fund GP LP
2		Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)
3		Sec Use Only
4		Citizenship or Place of Organization DELAWARE
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00
9		Aggregate Amount Beneficially Owned by Each Reporting Person 0.00
10		Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

☐

Percent of class represented by amount in row (9)

11

0.0 %

Type of Reporting Person (See Instructions)

12

PN

Comment for Type of Reporting Person: As of the date hereof, MS Tactical Value Fund GP LP has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

CUSIP No.

Names of Reporting Persons

1

MS Tactical Value Fund GP Inc.

Check the appropriate box if a member of a Group (see instructions)

2

☐ (a)
☐ (b)

3 Sec Use Only

Citizenship or Place of Organization

4

DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:		
	5	Sole Voting Power 0.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 0.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9

0.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10

☐

Percent of class represented by amount in row (9)

11

0.0 %

Type of Reporting Person (See Instructions)

12

CO

Comment for Type of Reporting Person: As of the date hereof, MS Tactical Value Fund GP Inc. has ceased to be the beneficial owner of more than five percent of the class of securities.

SCHEDULE 13G

Item 1.

(a) Name of issuer:

NN INC

(b) Address of issuer's principal executive offices:

6210 ARDREY KELL ROAD, SUITE 120, CHARLOTTE, NC, 28277

Item 2.

(a) Name of person filing:

1: Morgan Stanley 2: MS Capital Partners Adviser Inc. 3: NHTV Nevada Holdings LP 4: NHTV Nevada Holdings GP LLC 5: North Haven Tactical Value Fund LP 6: MS Tactical Value Fund GP LP 7: MS Tactical Value Fund GP Inc. The shares of common stock of NN, Inc. reported herein were previously held of record by NHTV Nevada Holdings LP. NHTV Nevada Holdings LP is an indirect subsidiary of Morgan Stanley, held through the chain of entities described in Exhibit 99.2. MS Capital Partners Adviser Inc., an indirect wholly-owned subsidiary of Morgan Stanley, serves as investment adviser to North Haven Tactical Value Fund LP and its related funds.

(b) Address or principal business office or, if none, residence:

1: 1585 Broadway, New York, NY 10036 ;2: 1585 Broadway, New York, NY 10036 ;3: 1585 Broadway, New York, NY 10036 ;4: 1585 Broadway, New York, NY 10036 ;5: 1585 Broadway, New York, NY 10036 ;6: 1585 Broadway, New York, NY 10036 ;7: 1585 Broadway, New York, NY 10036

(c) Citizenship:

1: Delaware 2: Delaware 3: Delaware 4: Delaware 5: Delaware 6: Delaware 7: Delaware

(d) Title of class of securities:

Common Stock

(e) CUSIP No.:

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a) ☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b) ☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c) ☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d) ☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e) ☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f) ☐ An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

(g) ☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h) ☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(i) ☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);

(j) ☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J),
please specify the type of institution:

(k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

(a) Amount beneficially owned:

See the response(s) to Item 9 on the attached cover page(s).

(b) Percent of class:

0.0 %

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

See the response(s) to Item 5 on the attached cover page(s).

(ii) Shared power to vote or to direct the vote:

See the response(s) to Item 6 on the attached cover page(s).

(iii) Sole power to dispose or to direct the disposition of:

See the response(s) to Item 7 on the attached cover page(s).

(iv) Shared power to dispose or to direct the disposition of:

See the response(s) to Item 8 on the attached cover page(s).

Item 5. Ownership of 5 Percent or Less of a Class.

☑ Ownership of 5 percent or less of a class

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

See Exhibit 99.2

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11. * In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Morgan Stanley

Signature: Claire Gordon
Name/Title: Authorized Signatory, Morgan Stanley
Date: 11/13/2026

MS Capital Partners Adviser Inc.

Signature: Thomas F. Cahill
Name/Title: Authorized Signatory, MS Capital Partners Adviser Inc.
Date: 11/13/2026

NHTV Nevada Holdings LP

Signature: Thomas F. Cahill
Name/Title: Authorized Signatory, NHTV Nevada Holdings LP
Date: 11/13/2026

NHTV Nevada Holdings GP LLC

Signature: Thomas F. Cahill

Name/Title: Authorized Signatory, NHTV Nevada Holdings GP LLC

Date: 11/13/2026

North Haven Tactical Value Fund LP

Signature: Thomas F. Cahill

Name/Title: Authorized Signatory, North Haven Tactical Value Fund LP

Date: 11/13/2026

MS Tactical Value Fund GP LP

Signature: Thomas F. Cahill

Name/Title: Authorized Signatory, MS Tactical Value Fund GP LP

Date: 11/13/2026

MS Tactical Value Fund GP Inc.

Signature: Thomas F. Cahill

Name/Title: Authorized Signatory, MS Tactical Value Fund GP Inc.

Date: 11/13/2026

Exhibit Information

EXHIBIT NO. EXHIBITS ---------- ---------- 99.1 Joint Filing Agreement 99.2 Item 7 Information * Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EXHIBIT NO. 99.1 TO SCHEDULE 13G
JOINT FILING AGREEMENT

November 13, 2026

MORGAN STANLEY, MS Capital Partners Adviser Inc., NHTV Nevada Holdings LP, NHTV Nevada Holdings GP LLC, North Haven Tactical Value Fund LP, MS Tactical Value Fund GP LP, and MS Tactical Value Fund GP Inc. hereby agree that, unless differentiated, this Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Claire Gordon

Claire Gordon/Authorized Signatory,
Morgan Stanley

MS Capital Partners Adviser Inc.

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
MS Capital Partners Adviser Inc.

NHTV Nevada Holdings LP
By: NHTV Nevada Holdings GP LLC, its general partner
By: North Haven Tactical Value Fund LP, its managing member
By: MS Tactical Value Fund GP LP, its general partner
By: MS Tactical Value Fund GP Inc., its general partner

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
NHTV Nevada Holdings LP

NHTV Nevada Holdings GP LLC
By: North Haven Tactical Value Fund LP, its managing member
By: MS Tactical Value Fund GP LP, its general partner
By: MS Tactical Value Fund GP Inc., its general partner

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
NHTV Nevada Holdings GP LLC

North Haven Tactical Value Fund LP
By: MS Tactical Value Fund GP LP, its general partner
By: MS Tactical Value Fund GP Inc., its general partner

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
North Haven Tactical Value Fund LP

MS Tactical Value Fund GP LP
By: MS Tactical Value Fund GP Inc., its general partner

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
MS Tactical Value Fund GP LP

MS Tactical Value Fund GP Inc.

BY: /s/ Thomas F. Cahill

Thomas F. Cahill/Authorized Signatory,
MS Tactical Value Fund GP Inc.

* Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company were previously held of record by NHTV Nevada Holdings LP, a Delaware limited partnership and indirect subsidiary of Morgan Stanley, and may be deemed to be beneficially owned by MS Capital Partners Adviser Inc., an indirect wholly-owned subsidiary of Morgan Stanley, as well as NHTV Nevada Holdings GP LLC, North Haven Tactical Value Fund LP, MS Tactical Value Fund GP LP and MS Tactical Value Fund GP Inc.

The general partner of NHTV Nevada Holdings LP is NHTV Nevada Holdings GP LLC, a Delaware limited liability company. The managing member of NHTV Nevada Holdings GP LLC is North Haven Tactical Value Fund LP, a Delaware limited partnership. The general partner of North Haven Tactical Value Fund LP is MS Tactical Value Fund GP LP, a Delaware limited partnership. The general partner of MS Tactical Value Fund GP LP is MS Tactical Value Fund GP Inc., a Delaware corporation.