



COMPANY STANDARDS

TITLE:

**PLATES FOR HIGH STRENGTH,
STRUCTURAL PURPOSE**

AMENDMENT No. 02

DATE: 2019-10-28

STD No. C1002-01

AMENDMENT SHEET - 1/1

ISSUE No. 04

In page 1 of 3, clause 3.1, section "d" shall read as below instead of existing:

- d) Plate supplies of thickness 10mm and over, shall conform to Ultrasonic test requirements as per ASTM A578, Level B.

Ref: Mail from AGM(CMRM), dated: 02.08.2019

APPROVED BY:


GE

TITLE:

PLATES FOR HIGH STRENGTH
STRUCTURAL PURPOSE

DATE : 2013-02-25

STD No. C1002-01

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The following new size has been included in Table -1 of Page 2 of 3.

TABLE -1

SL NO.	THICKNESS (mm)	DESIGNATION
01	180	C100201180

Ref : GEH / 295HD / 254 / 1884 Dt. 22.02.2013.

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COPY NO. 15

APPROVED BY:

[Signature] 25/02/2013

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0. GENERAL INFORMATION :

- This is a branch standard of Company Standard C1002 Issue-03 and is meant for plates.
- The quality requirements of the steel grades shall be as per C1002 Issue-03.
- This Issuance supersedes C1002-01 Issue-03 dated 2002-09-15.

1. SCOPE :

This standard provides the recommended sizes and tolerances, supply condition, quality requirements, designation and marking of plates of different thicknesses.

2. DEFINITION :

Plate is a hot rolled flat product rolled from ingot or slab ; rectangular in cross section, of thickness over 5mm, of width over 1000 mm, and supplied in straight lengths.

3. CONDITION OF SUPPLY :

3.1 FREEDOM FROM DEFECTS - WELD REPAIRS :

- Material supplied shall be free from mill scale, heavy rust, corrosion pitting, cracks and laminations.
- Minor surface defects may be removed by the manufacturer / supplier by grinding, provided the thickness is not reduced locally by more than 4 % below the minimum specified nominal thickness.
- Weld repair for removal of surface defects is not permissible.
- Non-Destructive tests to be carried out as per Purchase Order/ Contract.
- The plates shall be provided with a corrosion preventive coating to suit transit and storage.

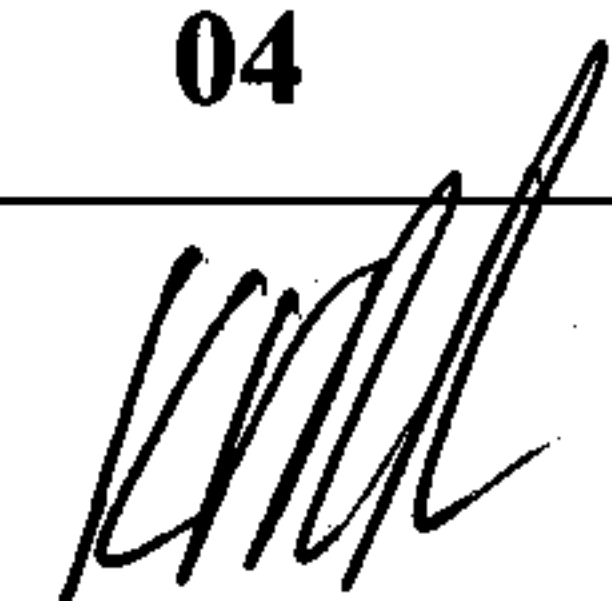
PREPARED BY: CSD/
CFWC-MATERIALS

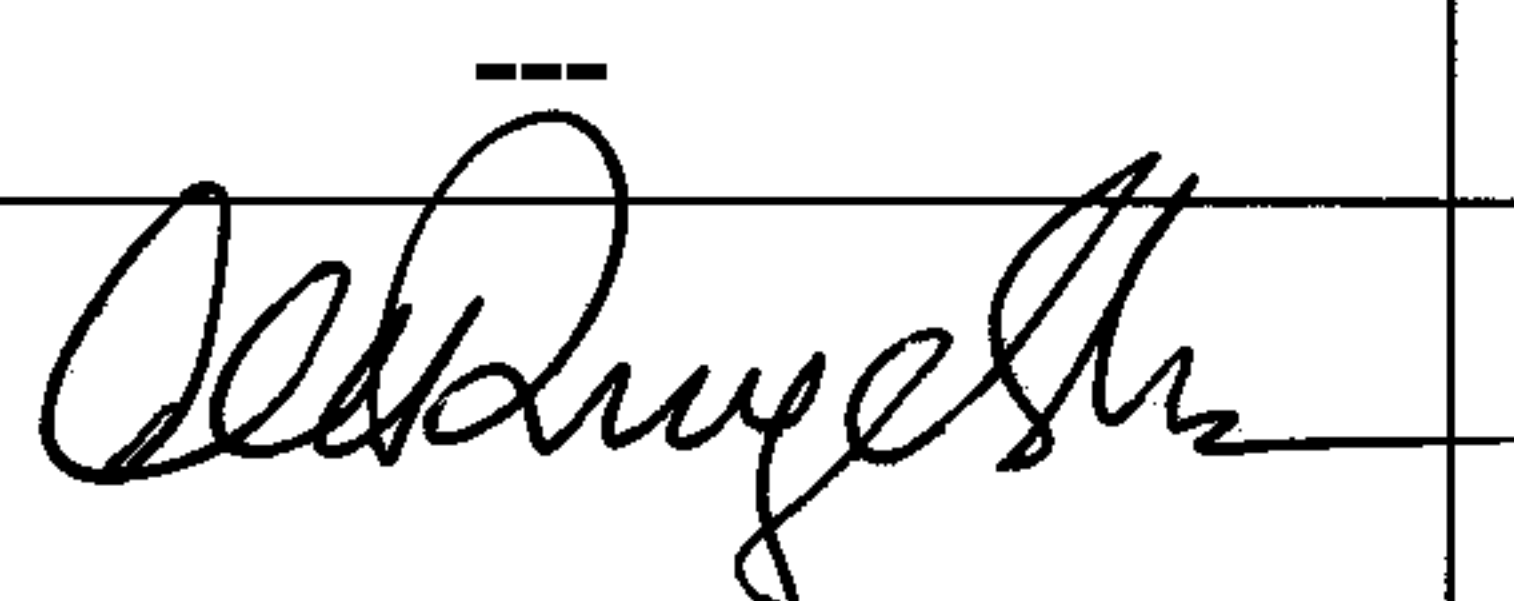
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REPLACES:

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COMPANY STANDARDS**TITLE :****PLATES FOR HIGH STRENGTH
STRUCTURAL PURPOSE****4. MATERIAL :**

The material shall conform to Company Standard C1002 Issue-03 'High Strength Structural steel'. Steel grades to be used for different plate thicknesses shall be as per Table-1.

5. QUALITY REQUIREMENTS :

Shall be as per Table-1 & Table-2 and Clause 2 of C1002 Issue-03.

TABLE – 1**DESIGNATION AND GRADES FOR DIFFERENT THICKNESSES OF PLATES**

Sl. No.	THICKNESS mm	GRADES TO BE USED IN ORDER OF PREFERENCE *	DESIGNATION
01	5	B	C100201005
02	6	B	C100201006
03	8	B	C100201008
04	10	B	C100201010
05	12	B	C100201012
06	14	B	C100201014
07	16	B	C100201016
08	20	B	C100201020
09	22	B	C100201022
10	25	B	C100201025
11	28	B / A	C100201028
12	32	B / A	C100201032
13	36	B / A	C100201036
14	40	B / A	C100201040
15	45	B	C100201045
16	50	B	C100201050
17	56	B	C100201056
18	60	B	(C100201060)
19	63	B	C100201063
20	65	B	(C100201065)
21	70	B	C100101070
22	80	B	C100101080
23	85	B	(C100101085)
24	90	B	C100201090
25	100	B	C100201100
26	110	B	(C100201110)

Note : Sizes whose designations are shown in brackets shall not be used in new designs.

* As per Company Standard C1002 Issue-03.

Superior grade is acceptable, if offered, eg. Grade B in place of grade A.

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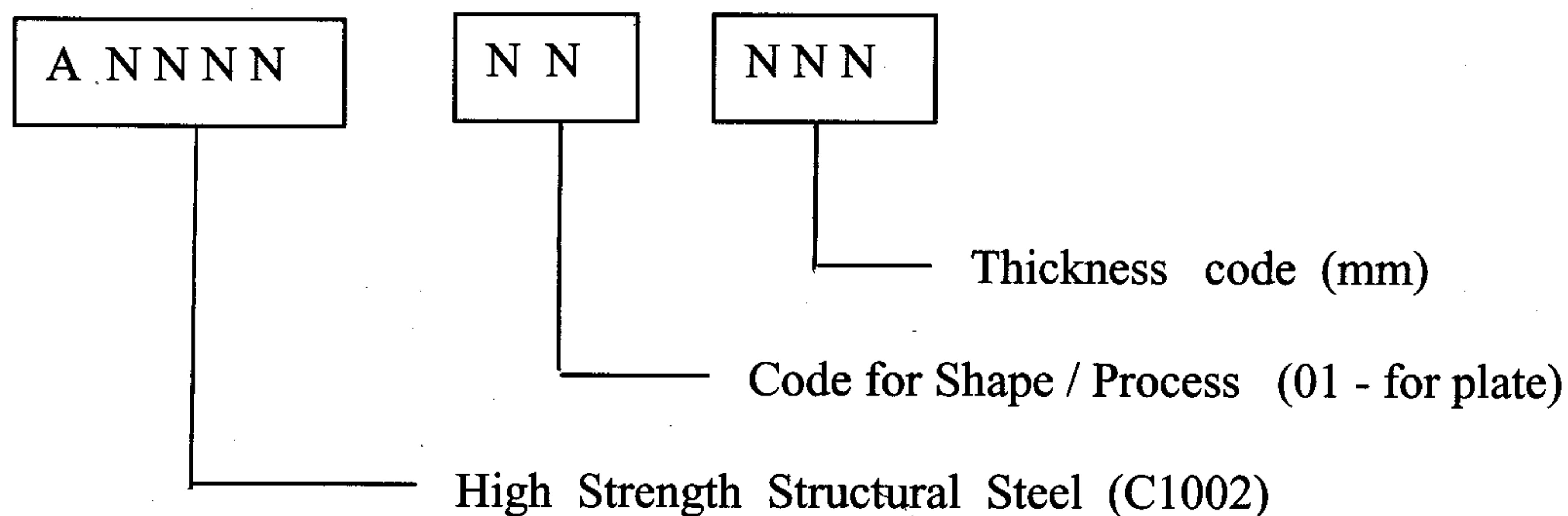
6. DESIGNATION :

A plate is designated by 10 – digit code

The first 5 digits pertain to the material. 6th and 7th digits signify shape/ Process. The last 3 digits signifies the thickness of plate.

Example :

A 5 mm thick plate shall be designated as C100201005 and a plate of 130 mm thickness shall be designated as C100201130.



7. DIMENSIONS AND TOLERANCES :

Preferred thickness of plates shall be as indicated in Table-1

Width and length of plates shall be as per the Purchase Order / Contract.

Unless otherwise specified, tolerances shall be as per latest issuance of IS : 1852, 'Rolling and cutting tolerances for hot rolled steel products'.

8. COLOUR CODE :

Colour code shall be Grey - Aluminium White - Blue. For further details refer to Company Standard PR1002-C.

9. MARKING :

The products shall be suitably marked to identify the following :

Manufacturer's Name/Trade mark
Material and Grade
Size
Heat number

10. Note : The latest issuance of Standards cited shall be referred.

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