DAFTAR PUSTAKA

Grunbauer, Johann. *What Makes Castellated Beams So Desirable As a Constructional Element*. http://www.grunbauer.nl/eng/inhoud.htm . 28 Januari 2011.

Suhendro, Bambang, 2000, Metode Elemen Hingga dan Aplikasinya, UGM, Yogyakarta.

Amayreh, L and Saka M.P, 2005, "Failure Load Prediction of Castellated Beams Using Artificial Neural Networks", Department of Civil Engineering, University of Bahrain, Bahrain.

Sumber : http://tazziemania.wordpress.com/link-tazzie/

Blodgett Omer W., 1985, Design of Welded Structure in Wide Flage Beam , The James F. Limcoln Arc Welding Foundation, Ohio,

.(http://en.wikipedia.org/wiki/Deflection_engineering).

Sumber : http://bambangpurwantana.staff.ugm.ac.id/KekuatanBahan

(http://en.wikipedia.org/wiki/Deflection_engineering).

Wahyudi, Rubiono, G., dan Mujianto, H. *Defleksi dan Hal-hal Yang Mempengaruhi*. E-Jurnal Teknik Mesin, Vol. 5 No. 1. Jurusan Teknik Mesin, Fakultas Teknik. Universitas Gajah Mada. Desember 2011.

Azwir, H., Purwanto, A., dan Wibowo, H. *Gaya Geser dan Momen Lentur Pada Balok*. E-Jurnal Teknik Mesin, Vol. 3 No. 1. Jurusan Teknik Mesin, Fakultas Teknologi Industri. Institut Pertanian Bogor. Desember 2014

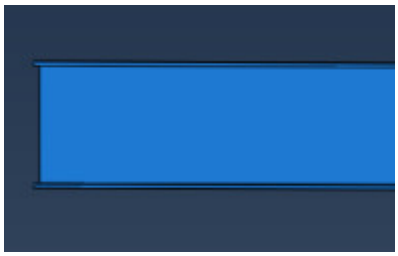
(Steenie E. Wallah, Servie O. Dapas, 2015).

LAMPIRAN

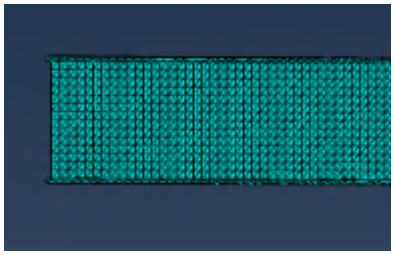
(Hail Output Castellated Beam Sebelum dan Setelah Running di Abaqus)

KETERANGAN GAMBAR

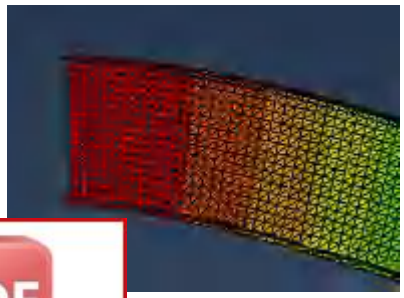
BEAM SEBELUM MATERIAL DIINPUT



BEAM SETELAH MATERIAL DIINPUT

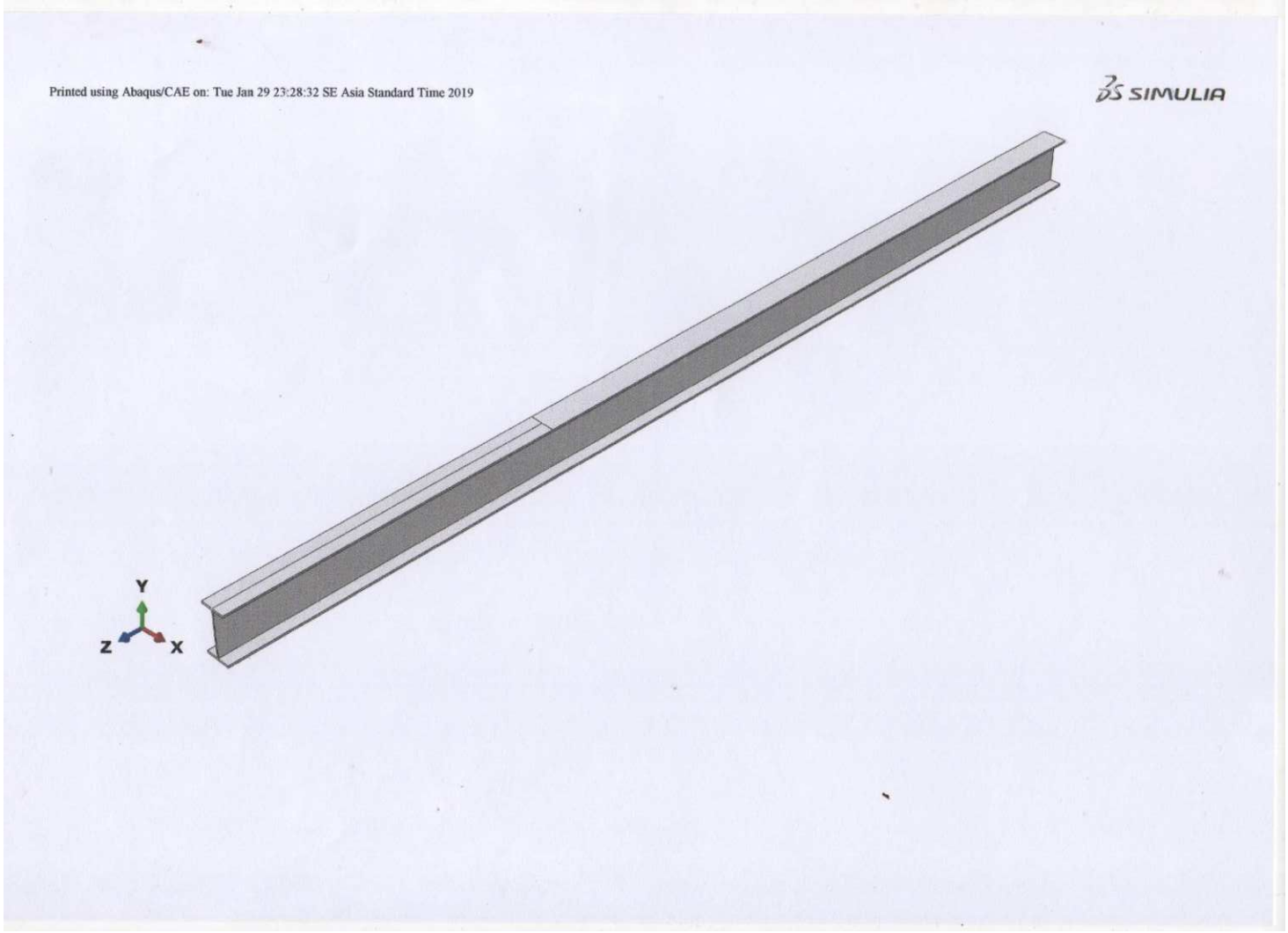


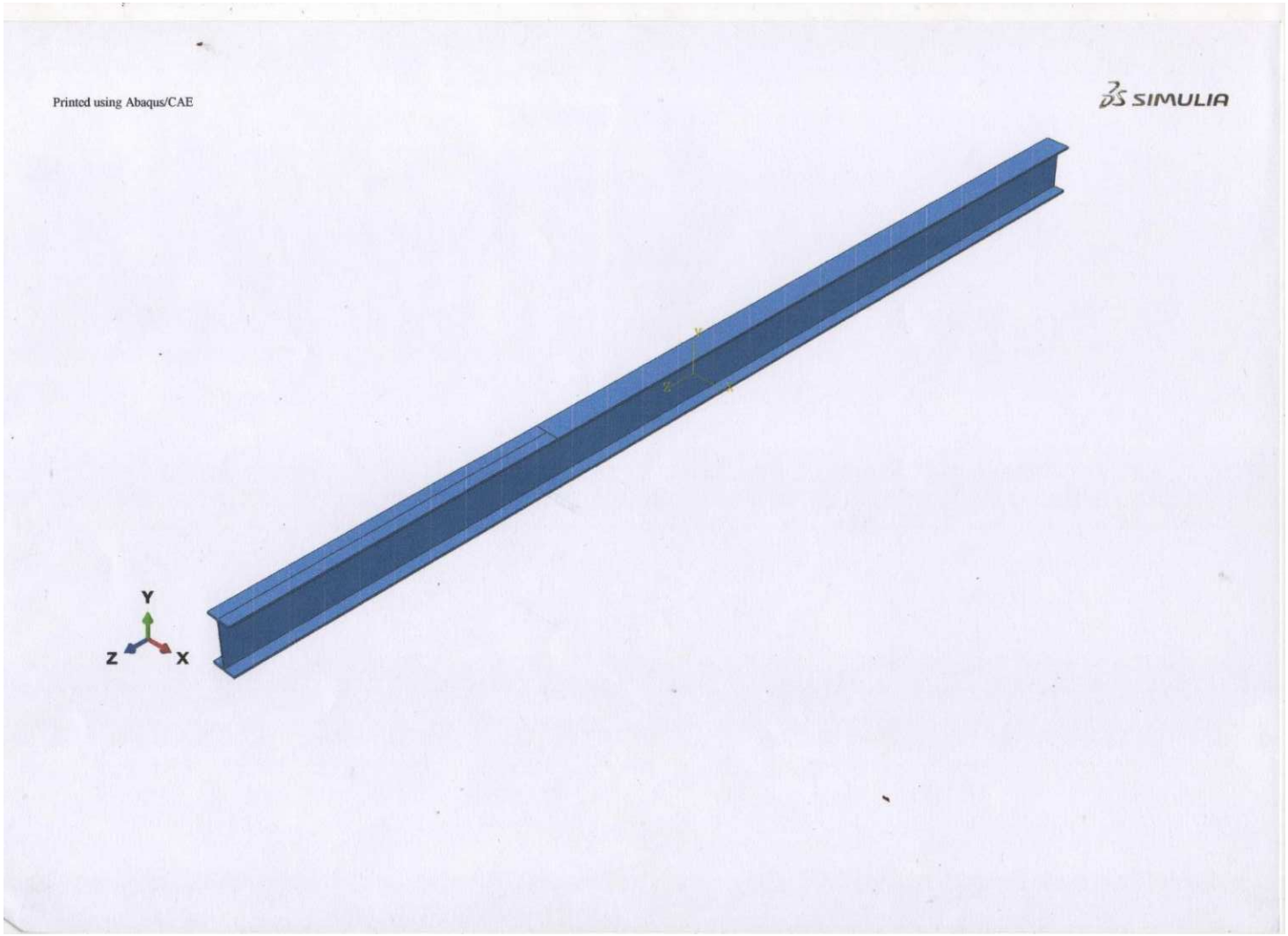
BEAM SETELAH DI MESH

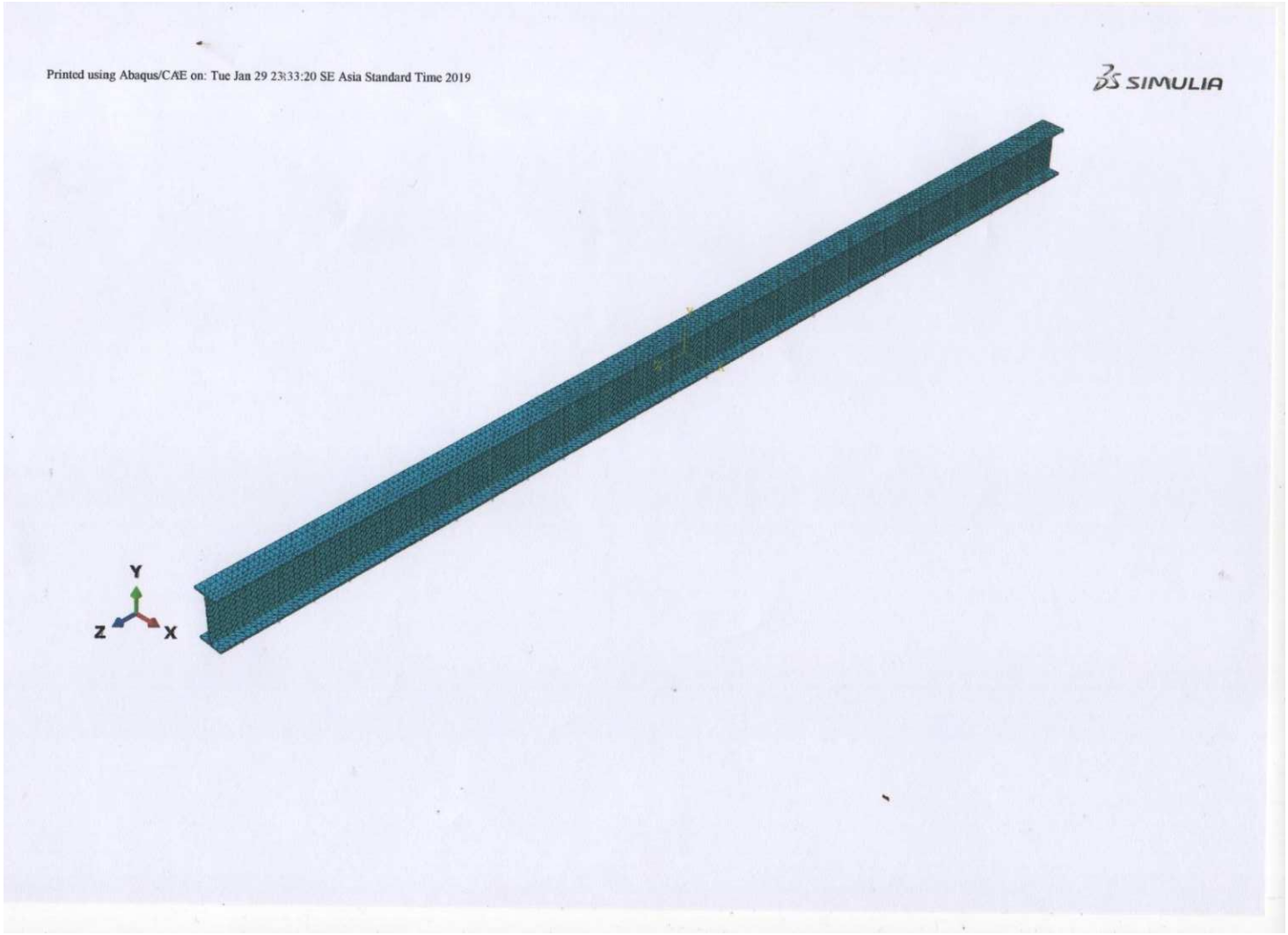


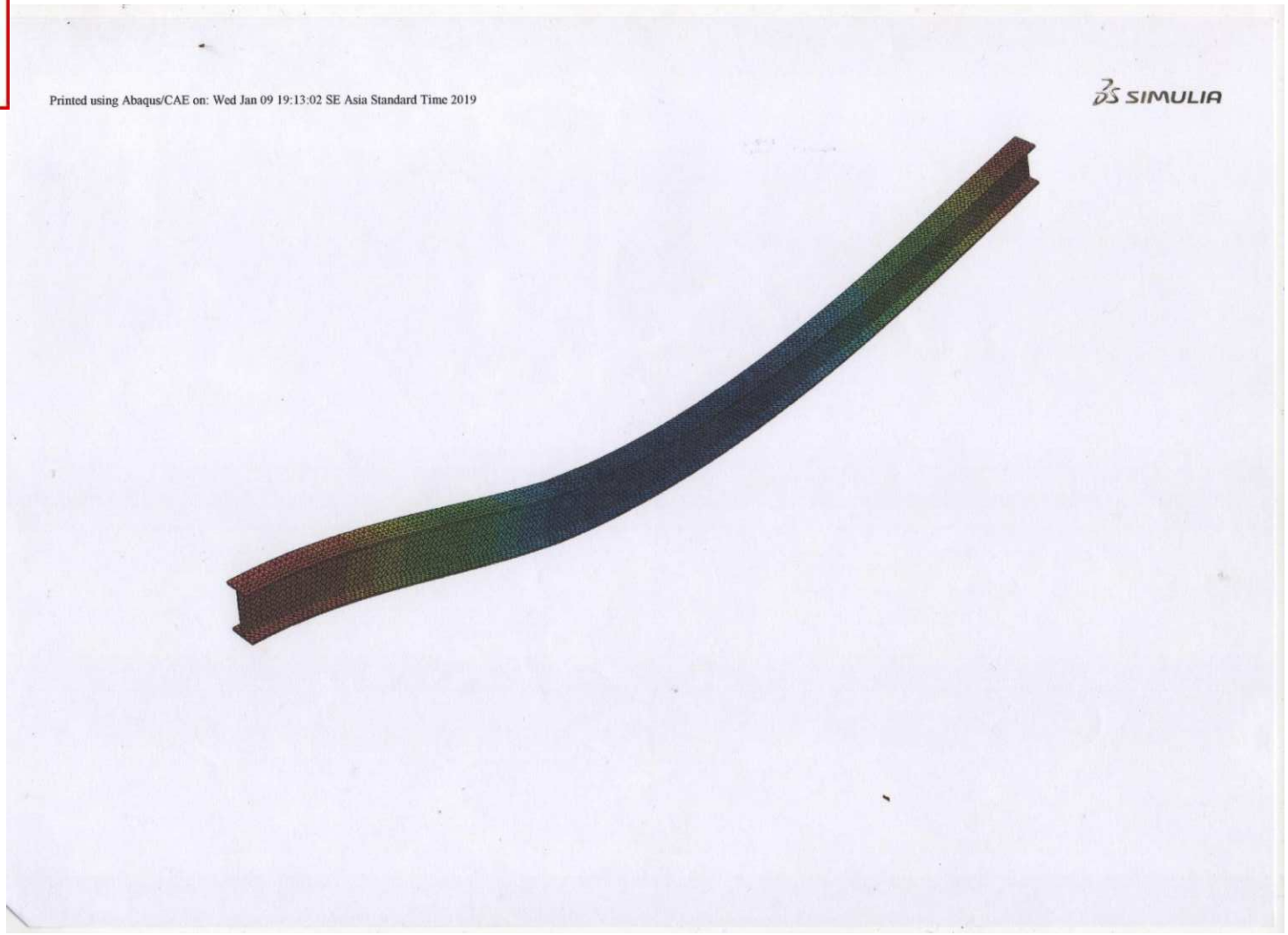
BEAM SETELAH RUNNING

IWF 200 mm

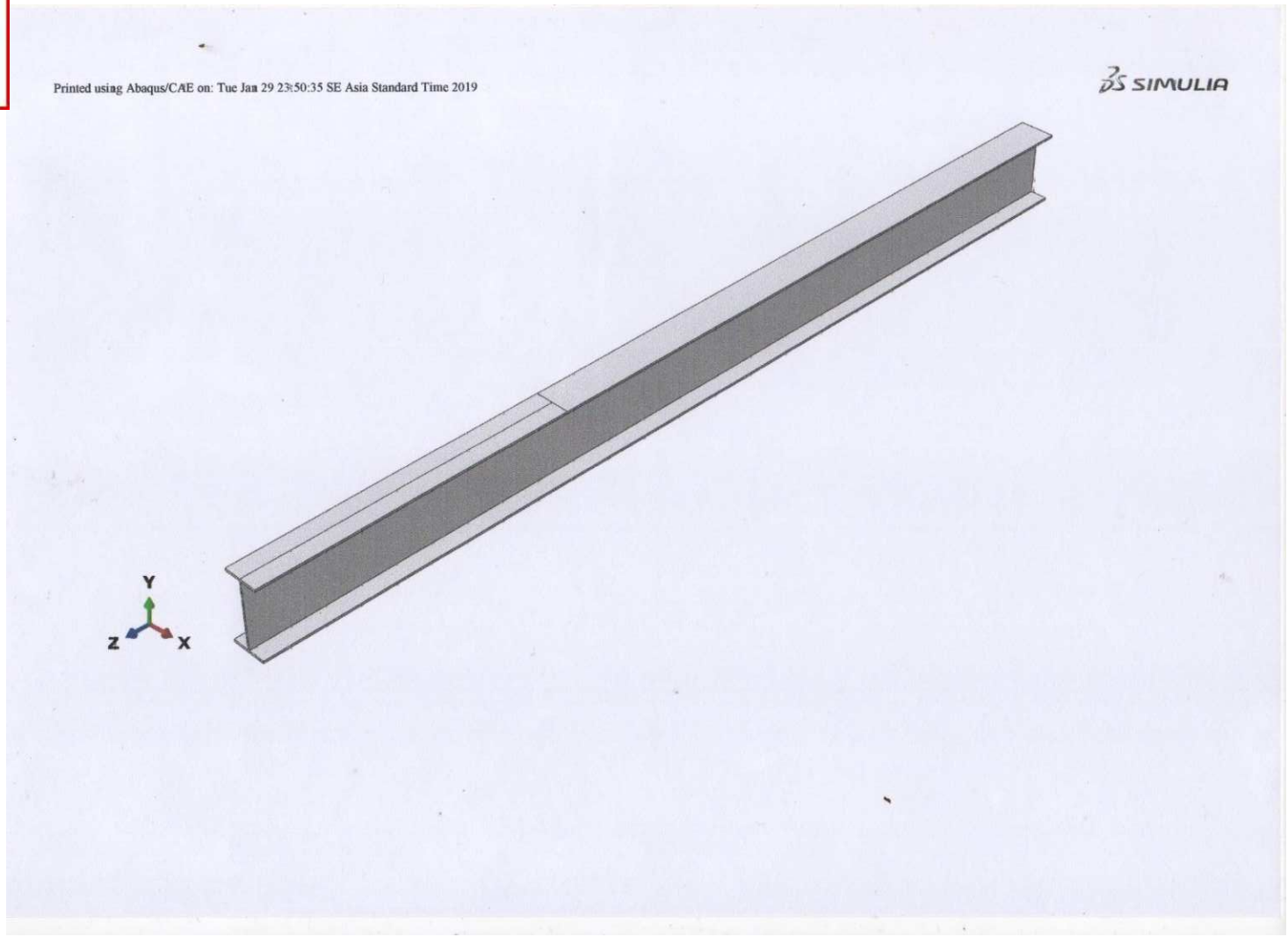


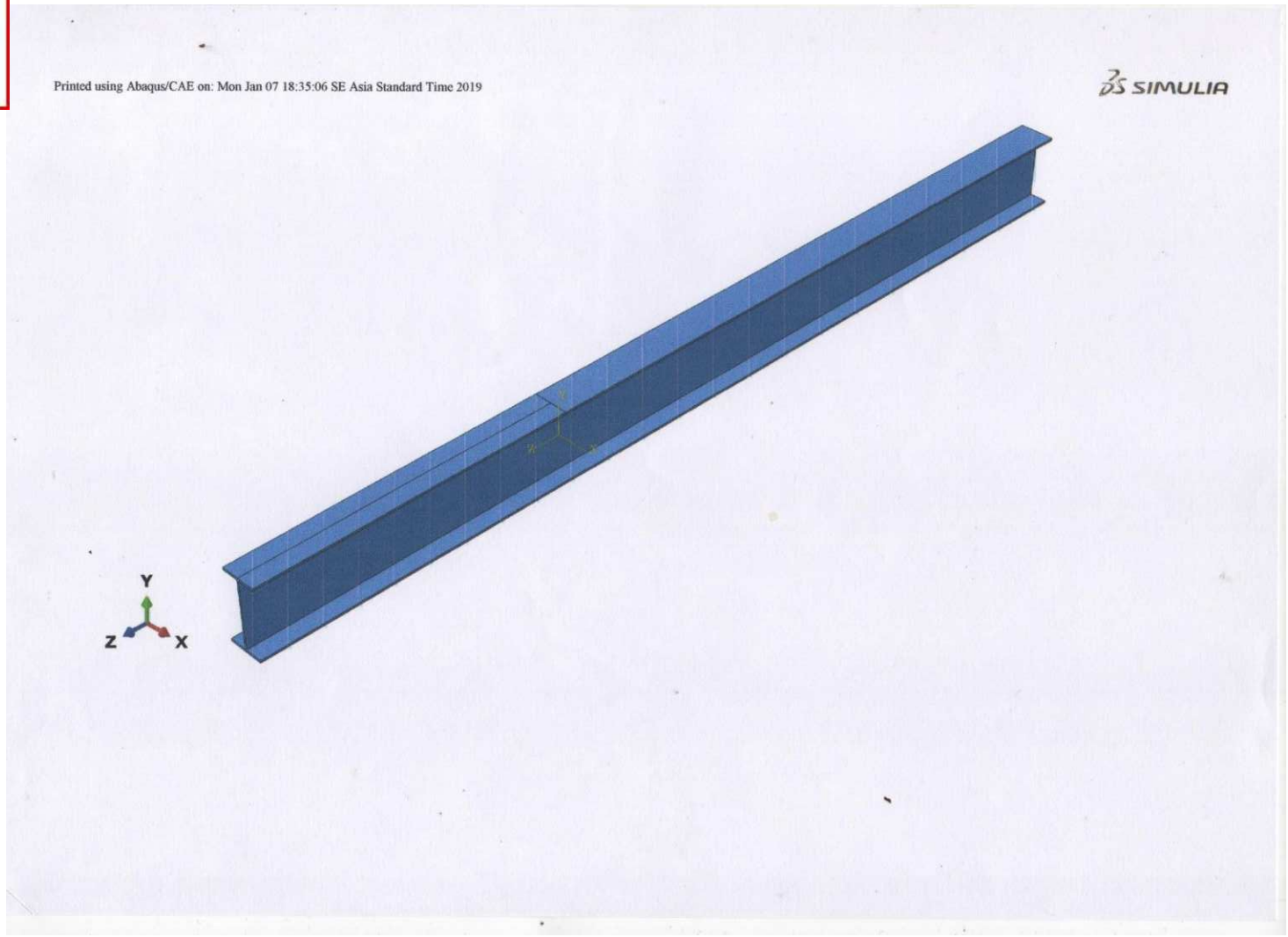


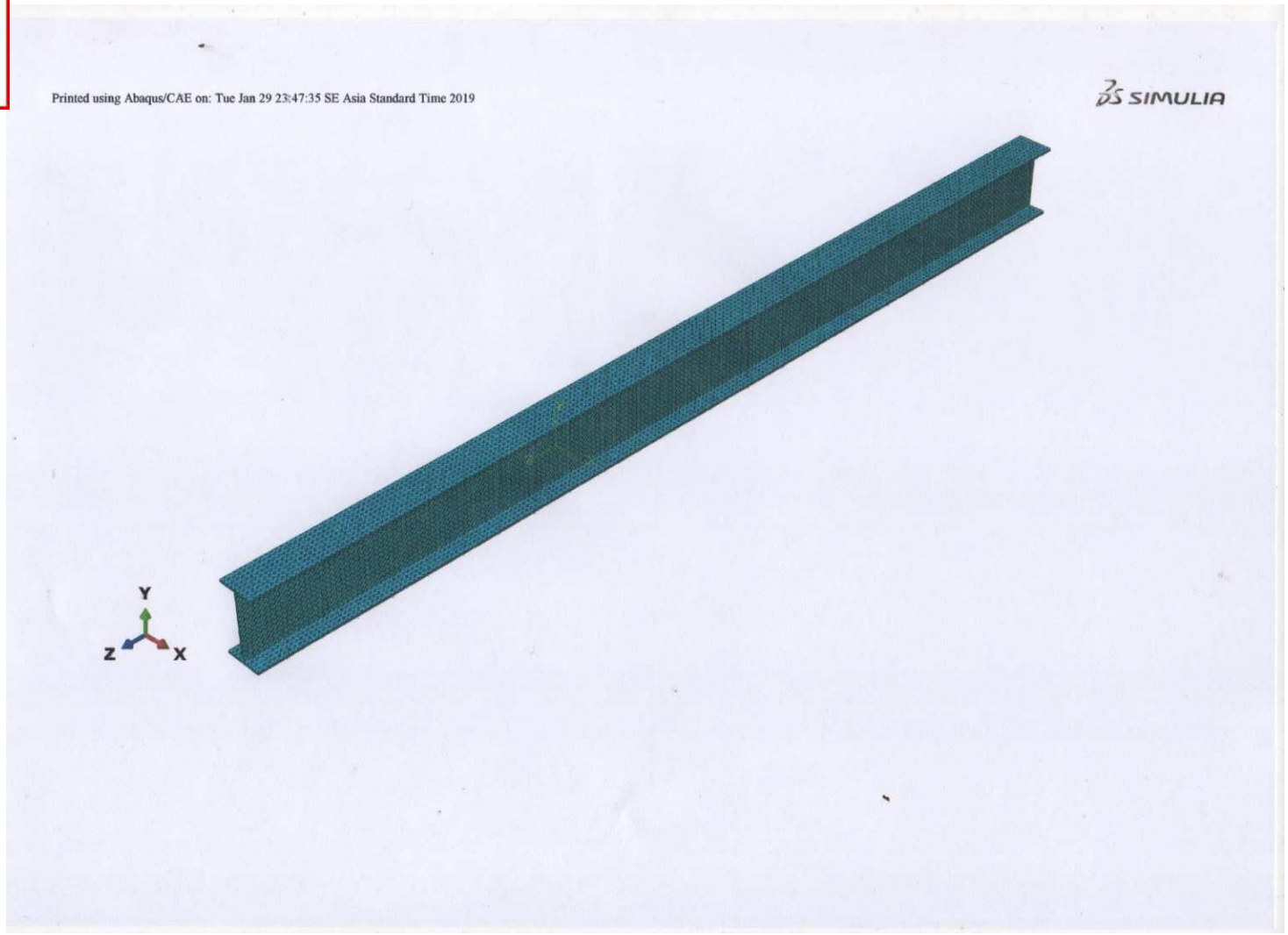




IWF 300 mm



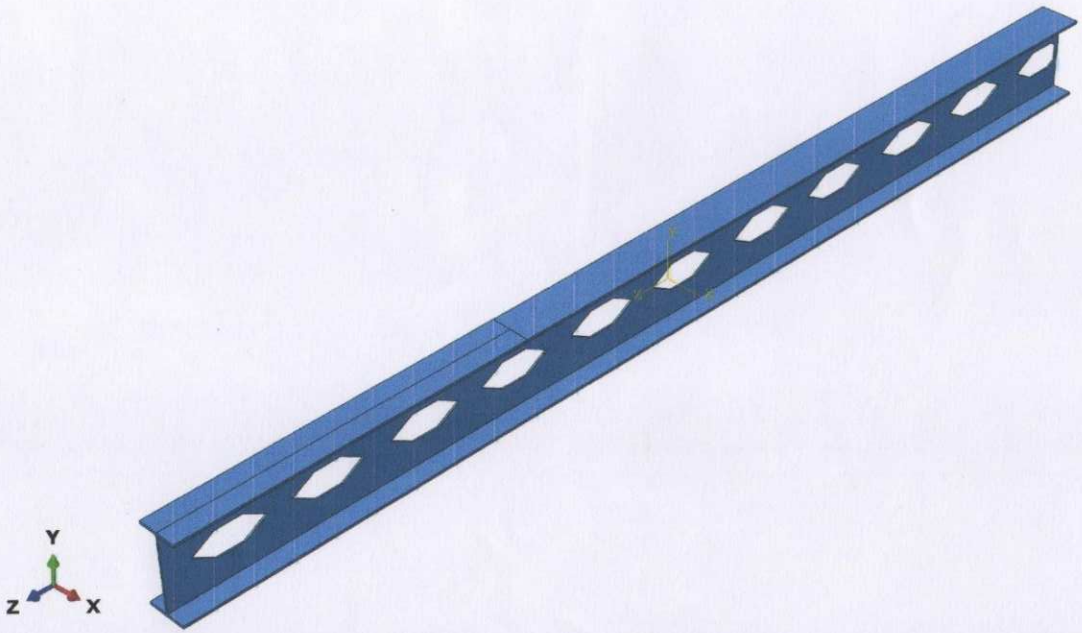


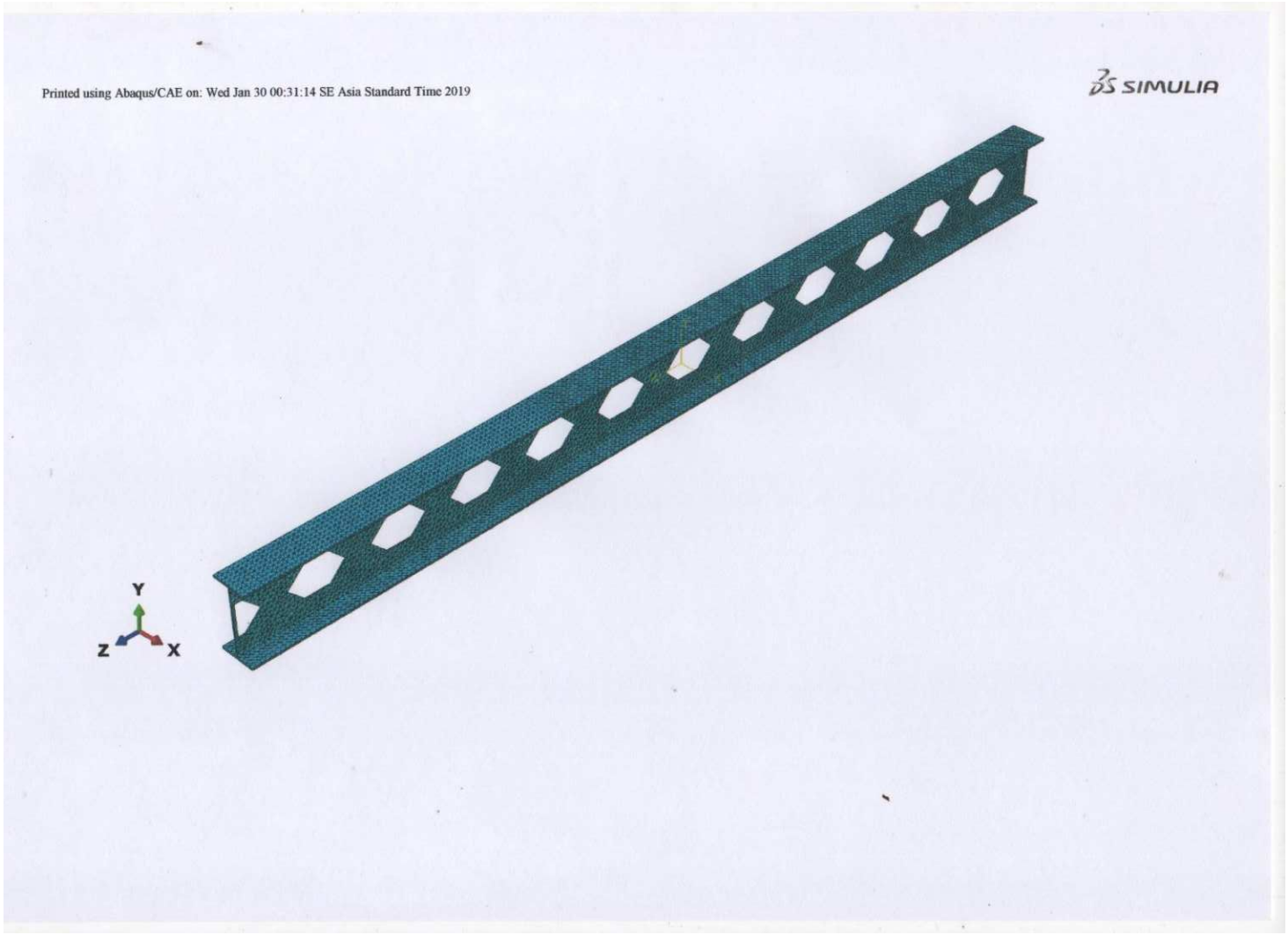


CASTELLATED BEAM 30°

Printed using Abaqus/CAE on: Mon Jan 07 18:46:22 SE Asia Standard Time 2019

SIMULIA





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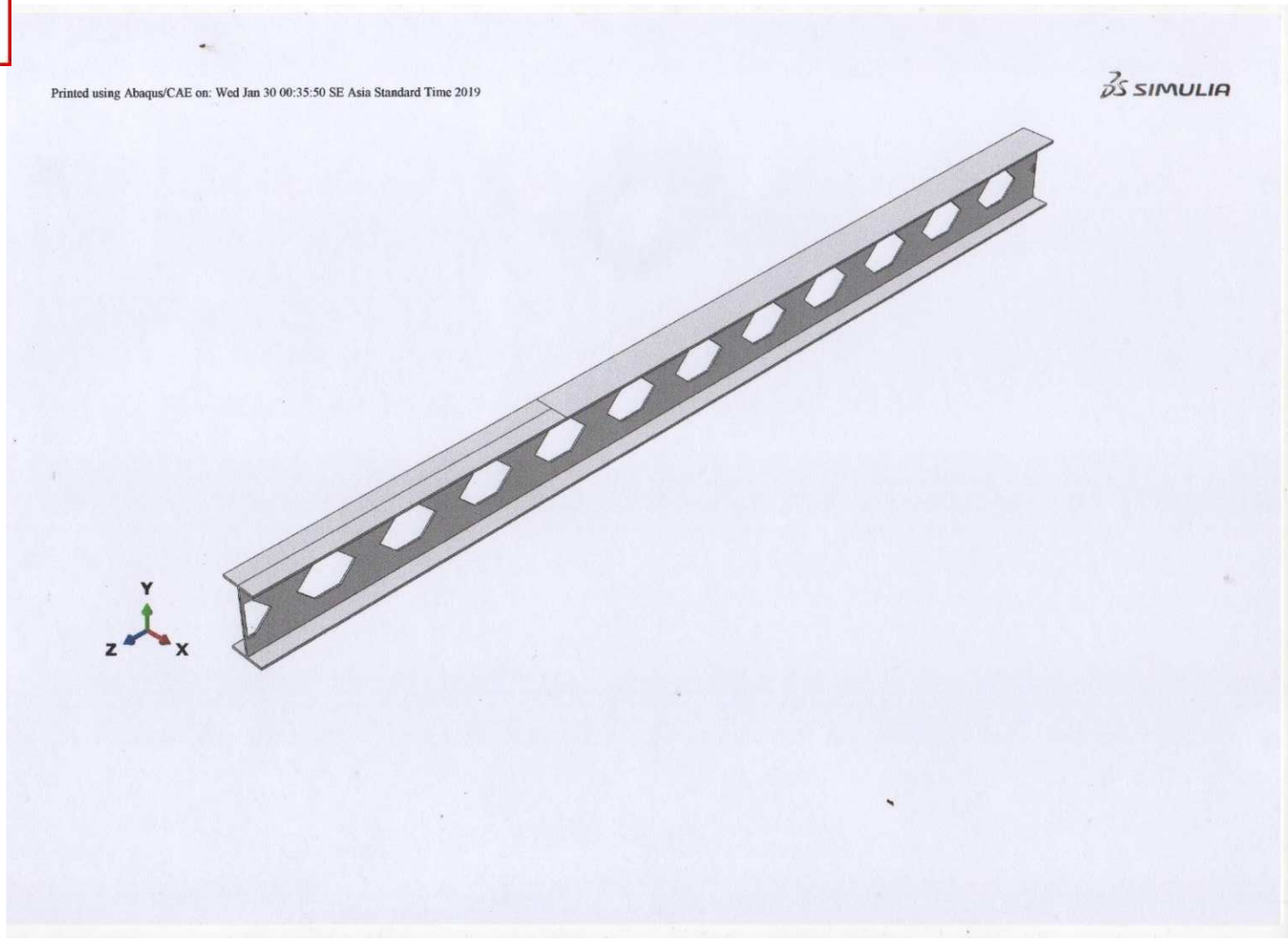
SIMULIA

CASTELLATED BEAM 45°



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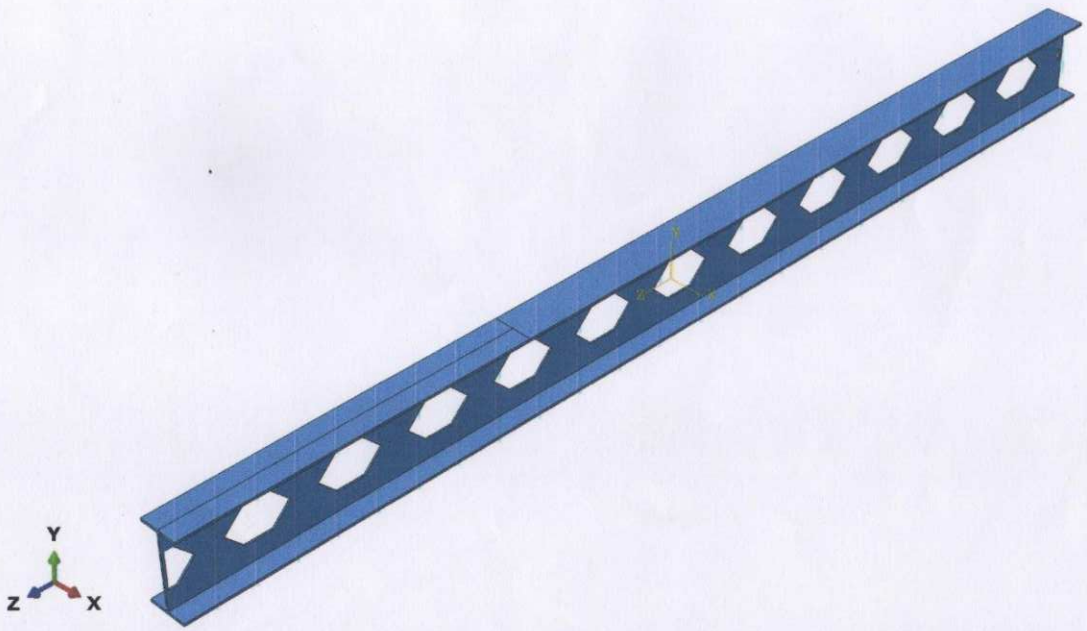
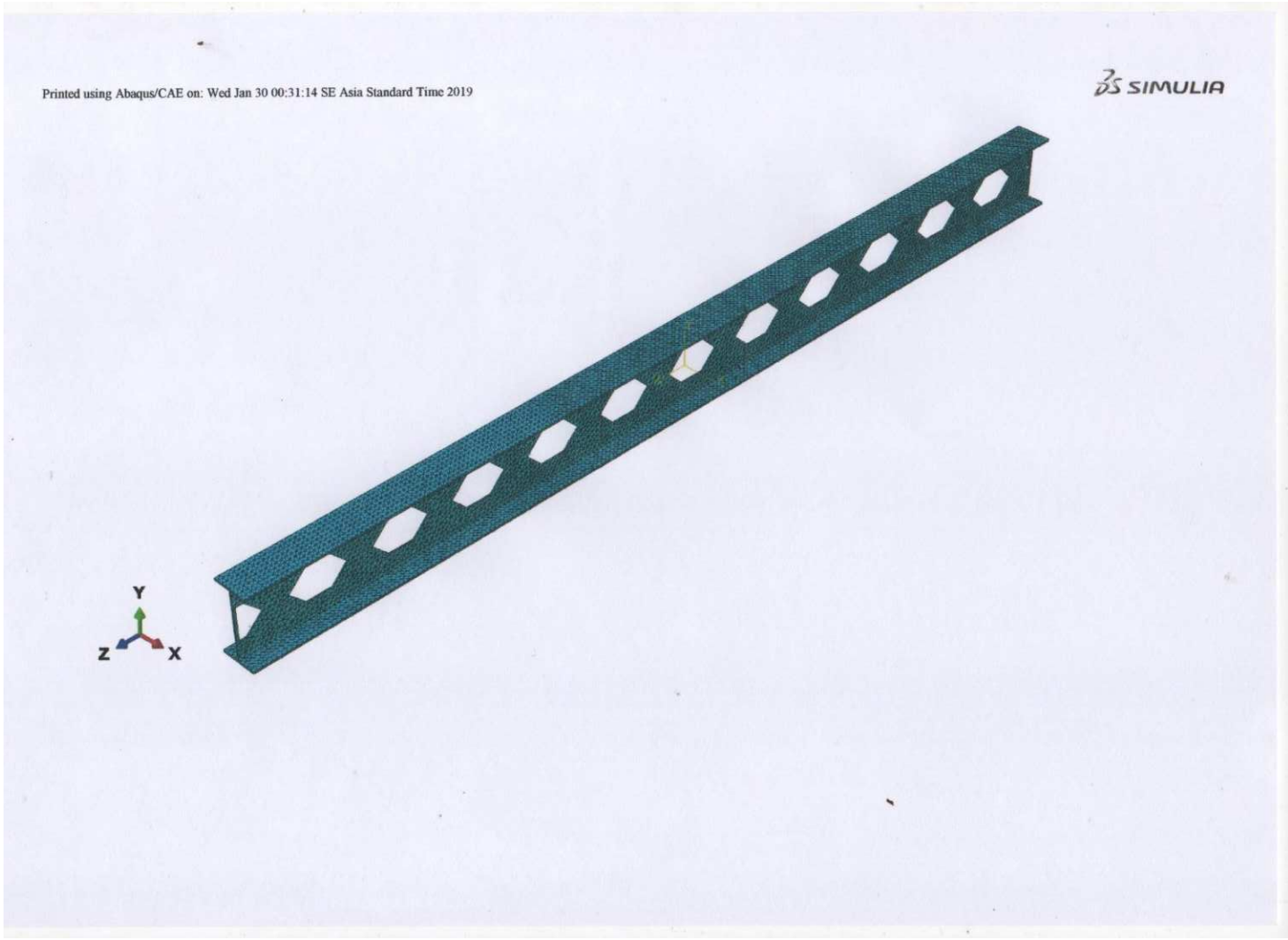
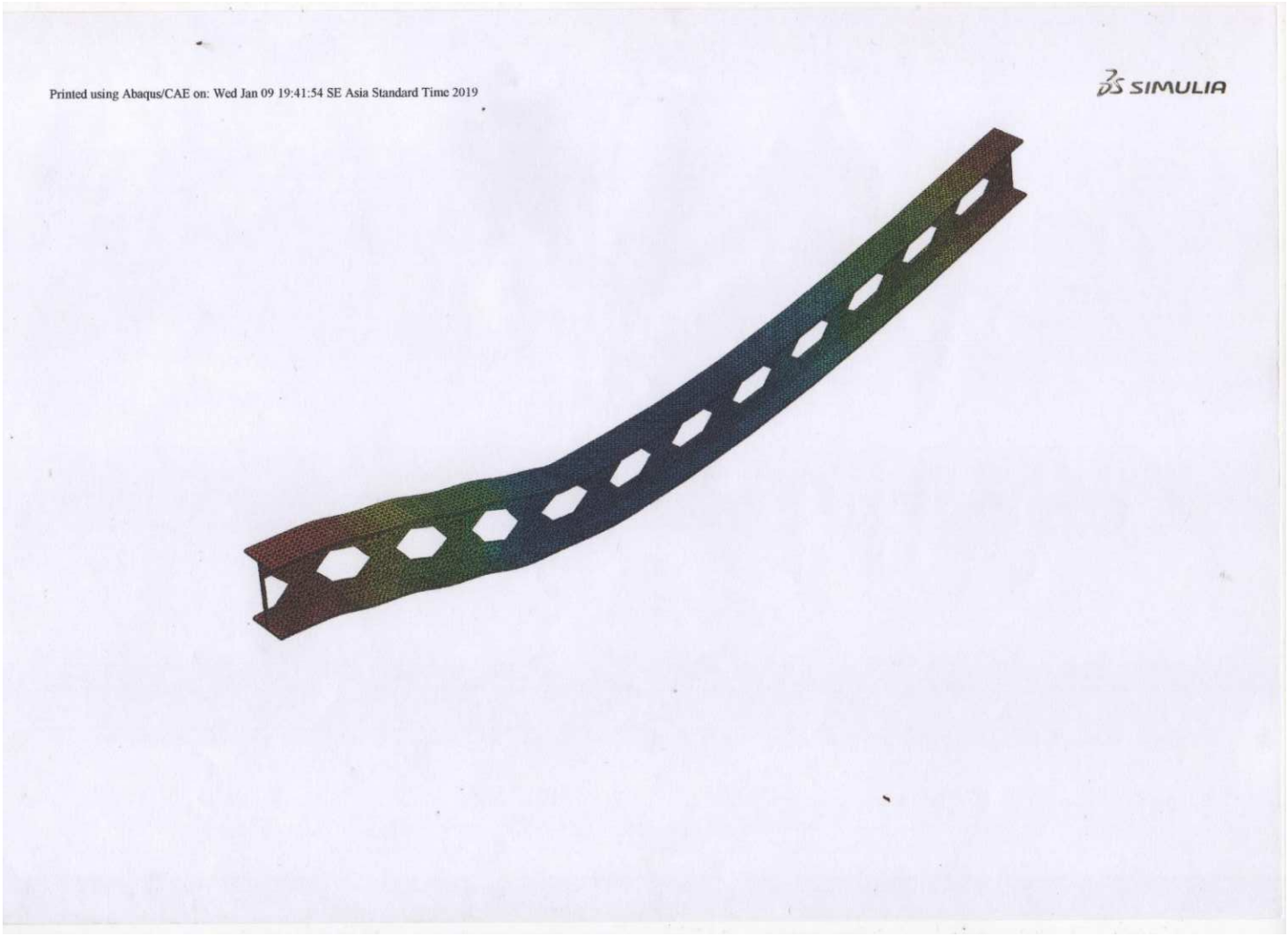
SIMULIA







CASTELLATED BEAM 60°

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SIMULIA