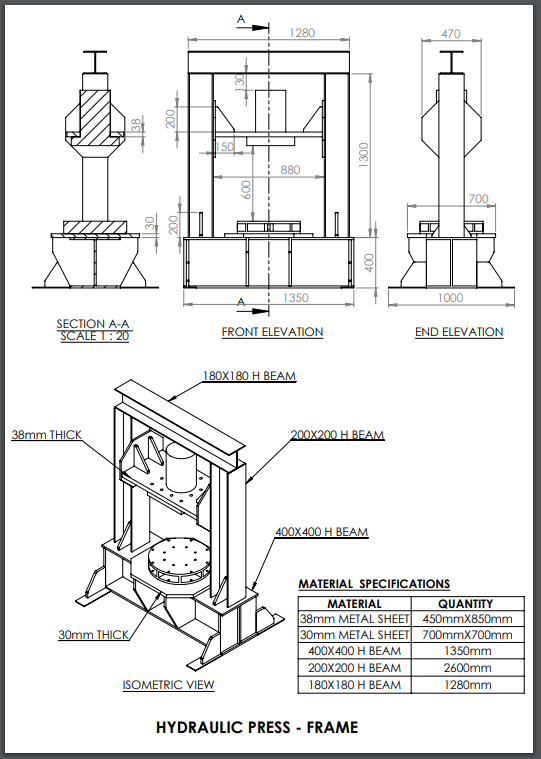
## **Hydraulic Press Frame**

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| **Aim** | **Methodology** | **Results** |
| * Increase the hydraulic press capacity from 20 tons to 40 tons by redesigning and reinforcing the frame. | * Utilized **SolidWorks** to identify critical stress points and determine reinforcement locations. * CNC Plasma-cut metal sheets and welded them to construct the upgraded frame. | * Successfully doubled the press’s capacity from 20 tons to 40 tons through strategic design improvements and robust fabrication. |

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