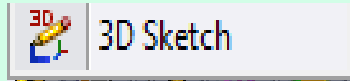


Advanced Solid Modeling

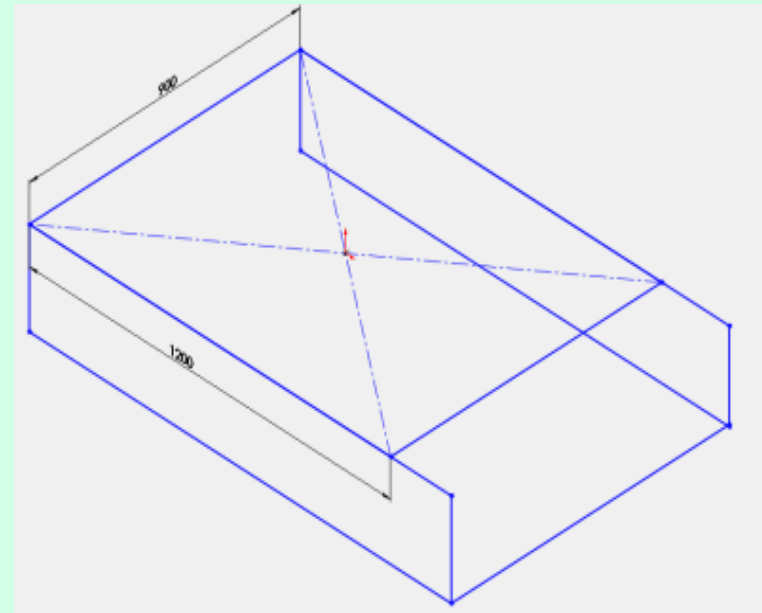
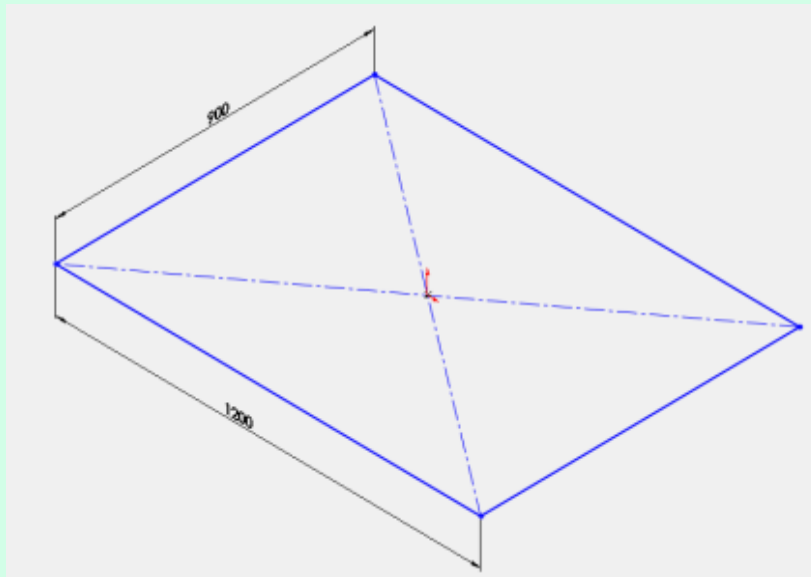
Lab – Weldments (Wireframe)

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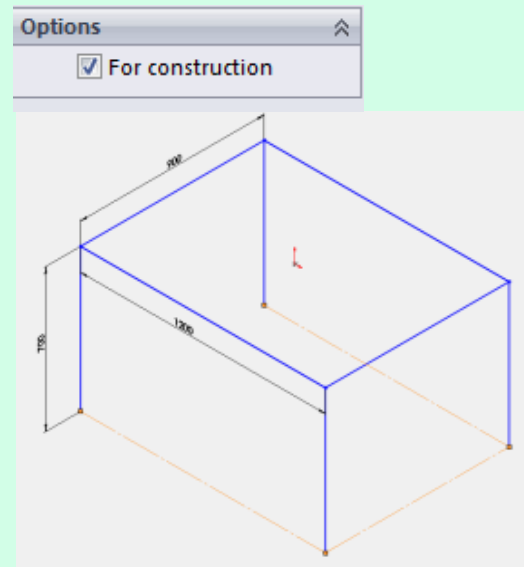
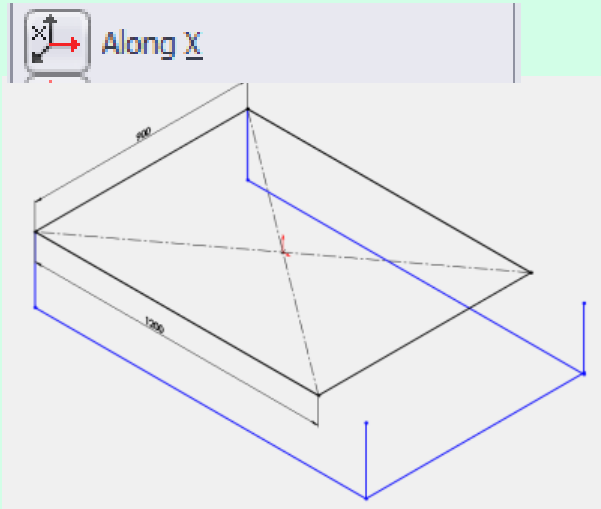
Weldment Exercise



3D Sketch

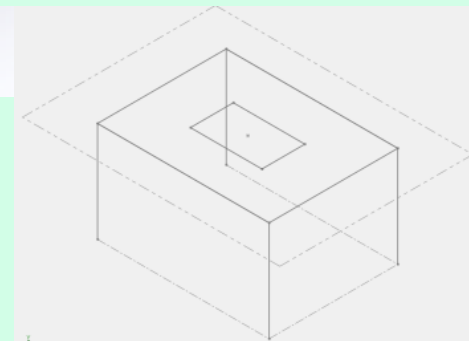


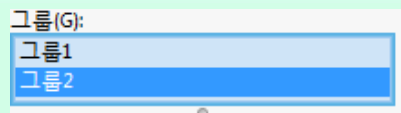
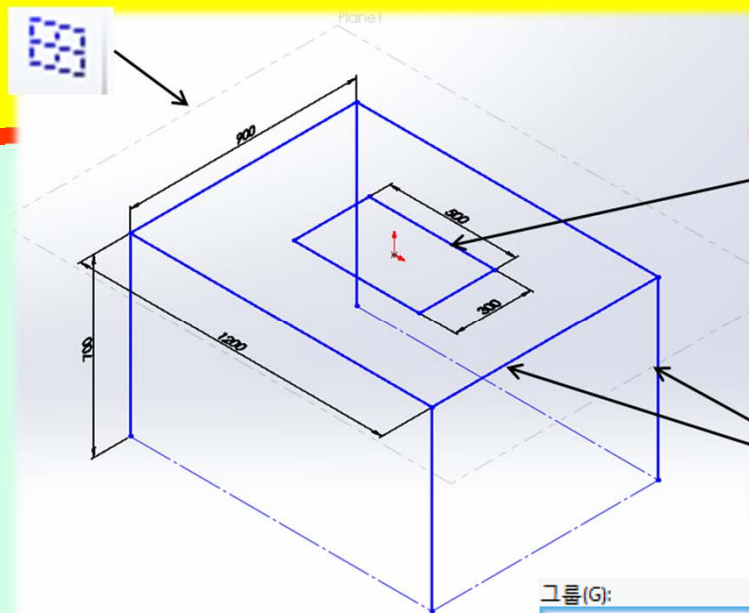
Weldment Exercise



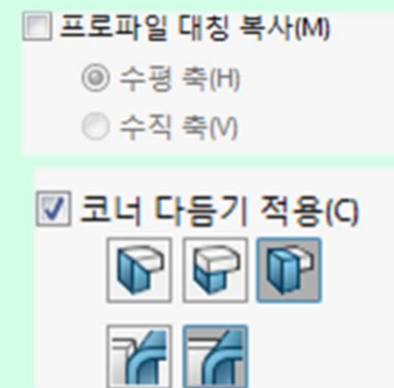
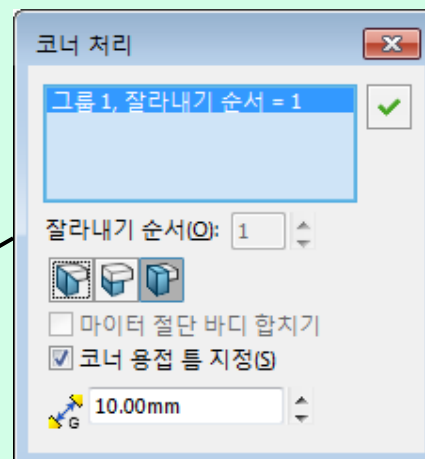
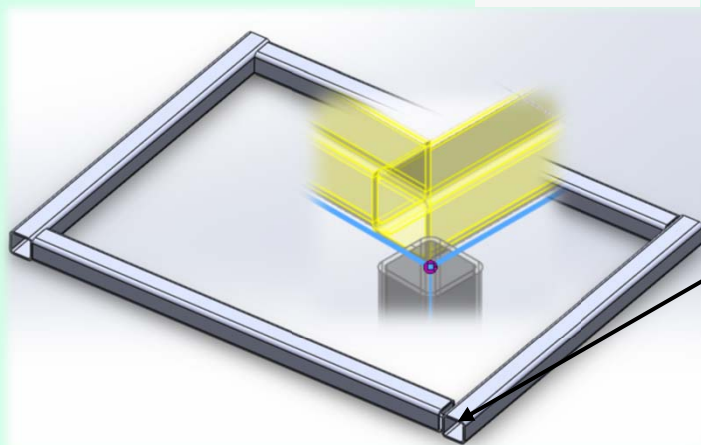
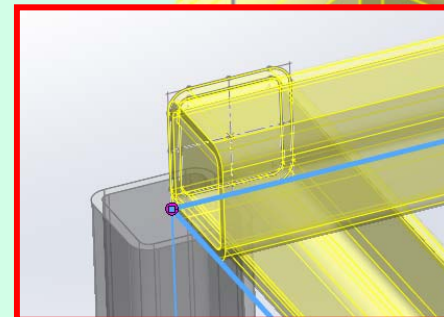
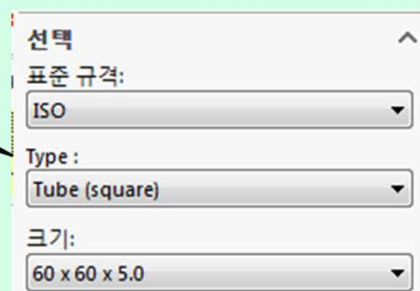
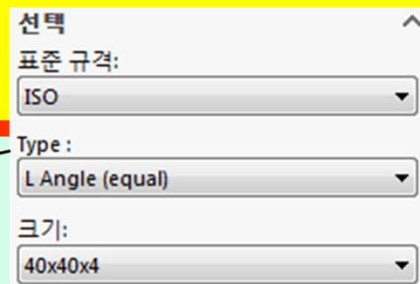
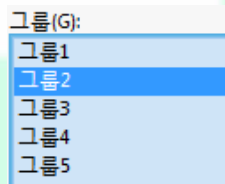
Plane

Inserts a plane into the 3d sketch.



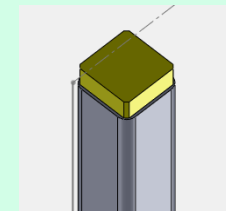
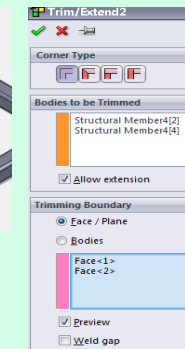
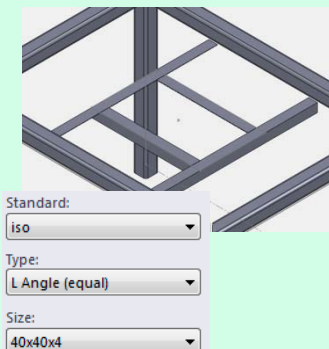
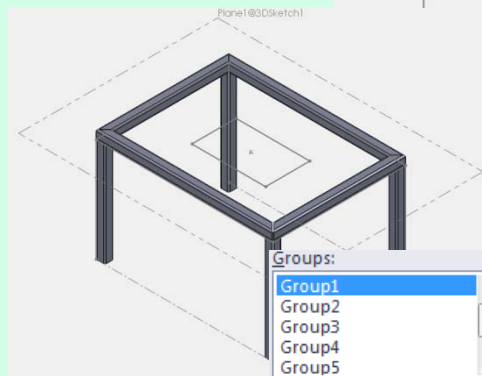
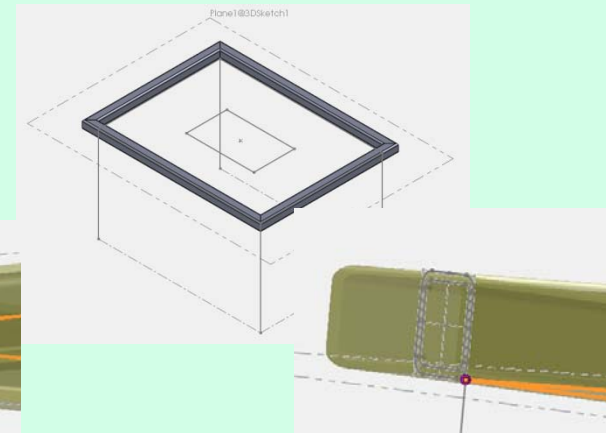
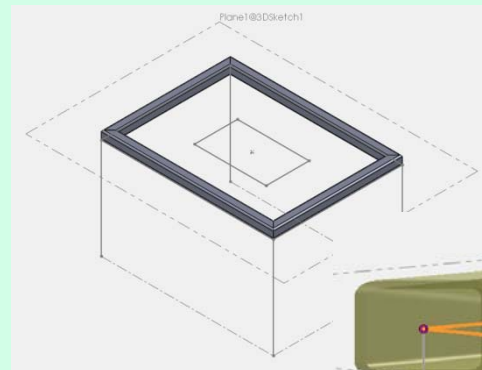
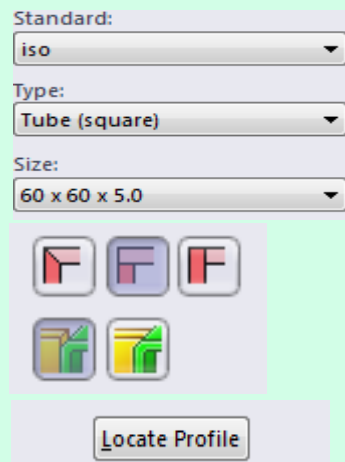


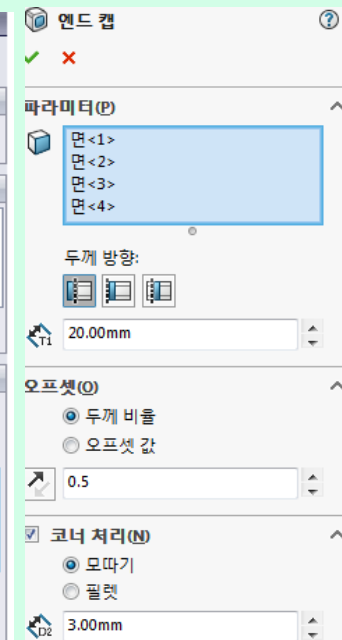
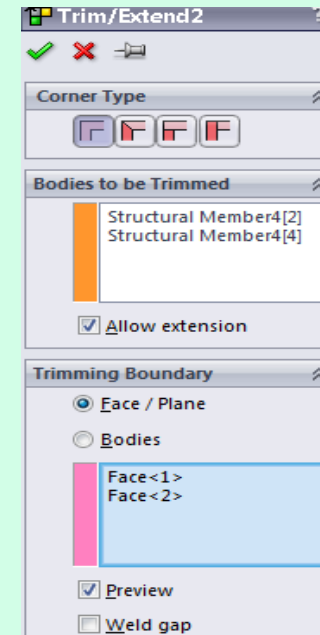
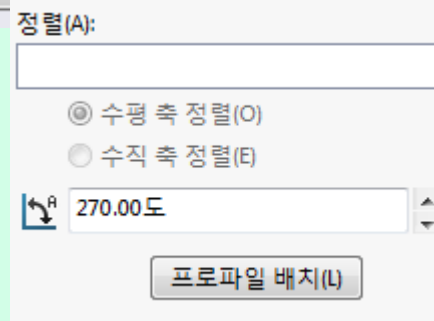
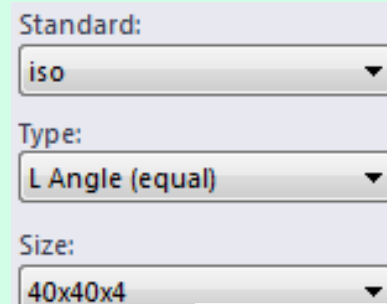
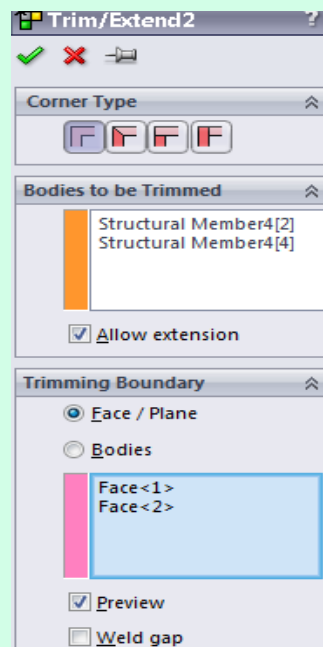
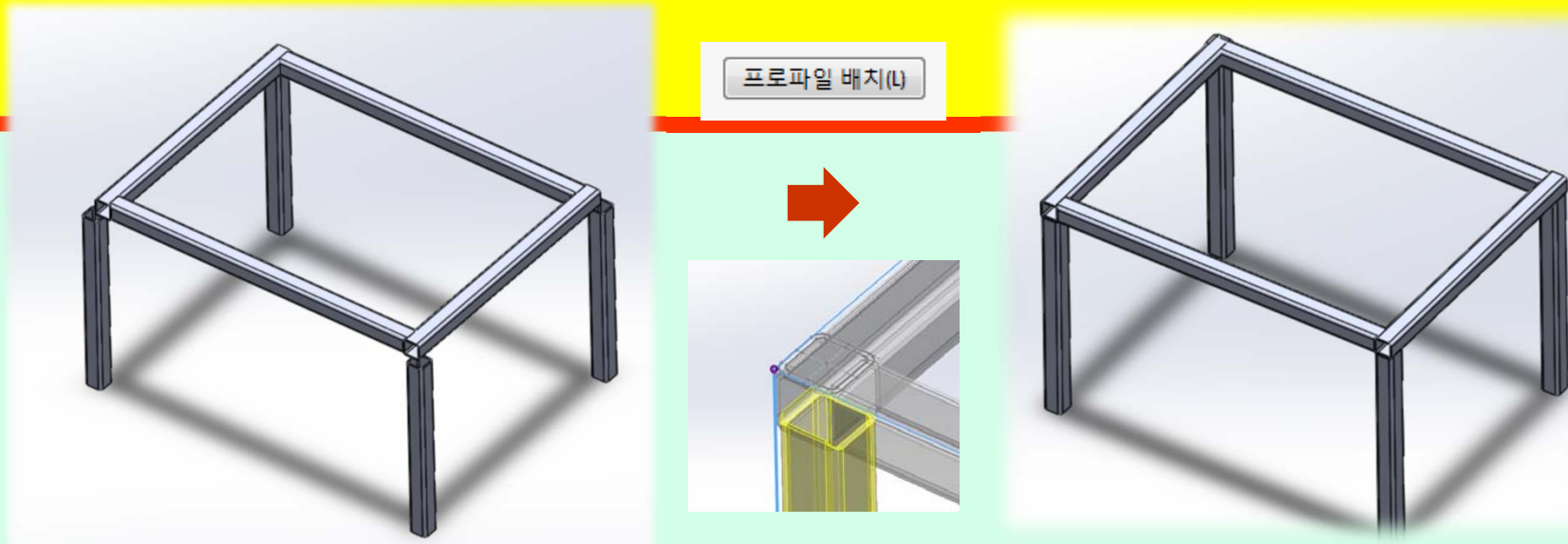
or



Exercise

- Weldments Exercise (continue)
 - Insert Weldment Features (using Standard)
 - Insert Structural Members (2010) or using Weldments tab (2016)
 - What are Miter(연귀)/Butt – simple Cut/Coped Cut?





Exercise

- Weldments Exercise (continue)
 - Weldment Cut lists & Drawing

The screenshot illustrates the process of generating a Weldment Cut List and a corresponding drawing for a table frame. The 3D model shows a table with a rectangular top and four legs. The 'Cut-List Properties' dialog is open, showing the 'Cut List Table' tab. The 'Tables' menu is also visible, with 'Weldment Cut List' selected. The 'Weldment Cut List' table is shown with the following data:

ITEM NO.	Q.TY.	DESCRIPTION	LENGTH
1	1	60 x 60 x 5.0	900
2	1	60 x 60 x 5.0	1192.93
3	1	60 x 60 x 5.0	892.93
4	1	60 x 60 x 5.0	1200
5	4	60 x 60 x 5.0	700
6	2	40x40x4	500
7	2	40x40x4	780
8	4	40x40x4	780

The 'Weldment Drawing' shows the table frame with parts numbered 1 through 8, corresponding to the items in the cut list. The 'Tables' menu is open, showing options like 'General Table', 'Hole Table', 'Bill of Materials', 'Revision Table', and 'Weldment Cut List'. The 'Weldment Cut List' is selected, and the 'Weldment Drawing' is shown with the numbered parts.