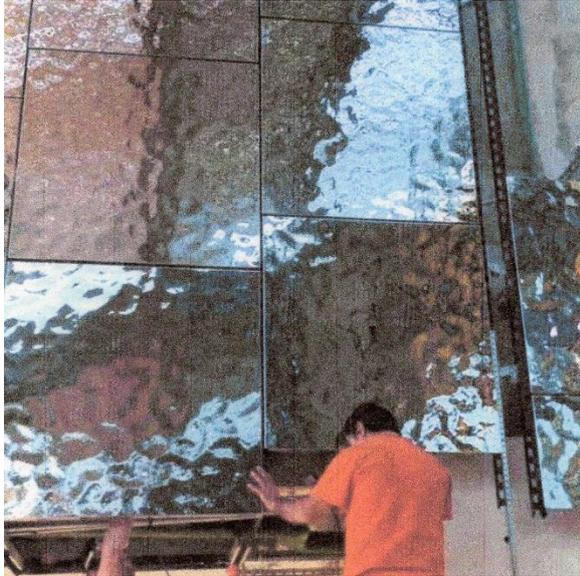# Installation of water ripple stainless steel sheets

Stainless steel panels are a stunning decorative material giving much more dimension to the usual wallpaper. Water ripple stainless steel panels are used in countries like Dubai, Doha, Hongkong; being countries close to the sea. Apart from the elegance and unique beauty of the material, stainless steel has good property of **corrosion resistance, heat resistance and hot working performance.**

Adding to the advantages, the installation of stainless steel panels is also an easy two-step process.

STEP 01: Preparing the sheets

1. CUTTING THE SHEETS

Cut the large stainless steel sheets into pieces to be formed into panels. For example, a big sheet of size 1220x2440mm and a thickness of 0.8mm should be cut into four pieces of size 1220x610mm.

But for much thicker sheets (For example, 1.2mm, 1.5mm or 2.0mm) the panels can be cut to bigger sizes.

Why does thickness matter?

The sheets that were cut into pieces will be bent from the sides for cladding. Hence thin sheets need to have a considerable area bent while thick sheets are stronger for cladding.

2. BENDING THE PANELS

Once cut, each sheet needs to be bent for cladding using a special tool.

For a sheet of 1220x610mm size, the visible area after being bent would be 1104x536mm. (Lengthwise, a total of 116mm should be bent and 24mm from the width)

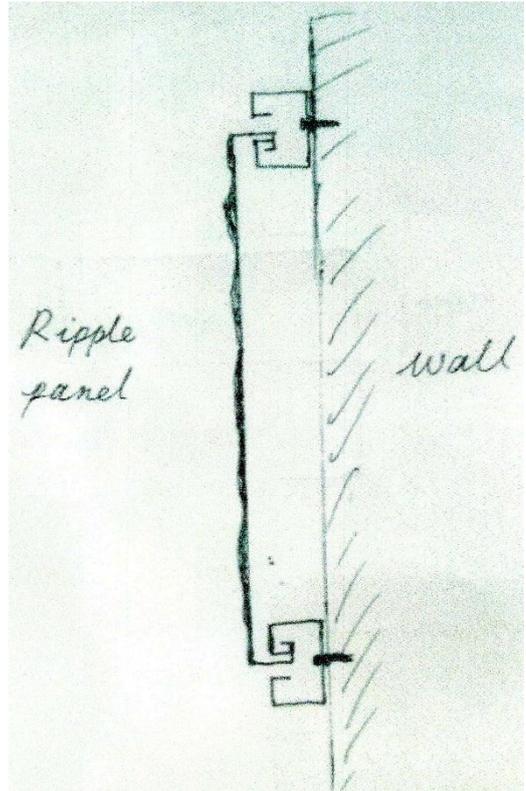Tool used to bend panel ends

STEP 02: Mounting the panels

1. INSTALL STEEL CHANNELS OR STEEL FRAMES ONTO THE SURFACE

Initially, install the steel channels/ frames onto the wall or ceiling using galvanized steel plates. This is what will hold the panels fastened with screw drivers.

The process can be discussed based on the plan of the Architect in conjunction with an exterior façade installer.

2. MOUNT THE WATER RIPPLE SS PANELS

Hook each panel onto its steel channels. Fasten each conjunction with screw drivers as demonstrated on the following image.

Sketch of wall cladding process