PANEL:Form Water Ripple Panels - Installation Instructions

General Information

- PANEL: Form Watter Ripple panels are downward accessible panels made from 0.6 – 3.0 mm thick 304 stainless steel, design dependent. The water ripple patterns are fabricated by applying a stamping & cold drawing process that creates a unique light reflecting effect.
- Offered in traditional and custom panel styles, Water Ripple panels can be fabricated into ceilings, walls, column covers, escalator surrounds and more.
- Ceiling panels are designed to be installed with Maxxit's custom suspension systems or standard heavy duty 15/16" grid, pre slotted.
- Metal Ceilings are engineered for use in seismic areas when installed in accordance with local code requirements.

Site Conditions

- Install only after spaces are free of construction debris, enclosed, weather-tight, and after all wet work and overhead work have been completed.
- Interior panels are not to be used in exterior applications or high moisture environments where water comes in direct contact with the baffle.
- For exterior applications use exterior grade 316 stainless steel as specified by Maxxit.

Storage & Handling

- Do not store or install near an exposed flame, source of heat, or source of ignition.
- Store horizontally in the original carton in a dry, interior space. Clean gloves must be used to avoid fingerprints. When removed for install, panels should be stored in a flat, horizontal position.

Fire Performance

- Manufactured to meet ASTM E-84 Class 1 or A fire retardancy. Panels may interfere with fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and their local code official for guidance on the proper installation.

Warranty

- A 1-year limited warranty is available. Please consult www.maxxitgroup.com for details.

Colors

- The panels surface is processed with a mirrored finish and PVD color
- Available in seven colors and six water ripple textures.

Cutting Panels

Straight Cuts - Tools:

- Track saw / Circular saw (Carbide-tipped, fine-tooth non-ferrous metal blade (60–80 TPI))
- Soft-jaw clamps or panel clamps
- Masking tape - 2 layers on mirror side along cut line
- Backing board - Plywood or MDF

Technique:

1. Mask the cut line with painter's tape.
2. Place panel mirror side down.
3. Clamp firmly to a solid surface with backing board under.
4. Cut slowly, steady feed, avoid forcing blade.
5. Pause every few cm if panel heats up — stainless discolors easily.
6. Deburr lightly with a fine file or Scotch-Brite pad along the edge.
7. Wipe clean with isopropyl alcohol to remove oils and fingerprints.

Cutouts / Openings (Fixtures, Vents, Irregular Shapes) – Tools:

- Jigsaw / Scroll saw - Bi-metal or cobalt blade, 18–24 TPI (Bosch T118A or similar)
- Drill-3–4 mm pilot hole for jigsaw entry
- Masking tape - Both sides of cut line
- Cutting oil - Light machine oil or WD-40

Technique:

1. Mask cut line on both sides of panel.
2. Drill entry hole inside cut area for jigsaw blade.
3. Insert blade, cut slowly and steadily; don't force.
4. Support the panel fully to avoid vibration.
5. Use cutting oil sparingly — wipe clean immediately after cutting.
6. Deburr with fine file or Scotch-Brite, move along grain if visible.
7. Clean with isopropyl alcohol.

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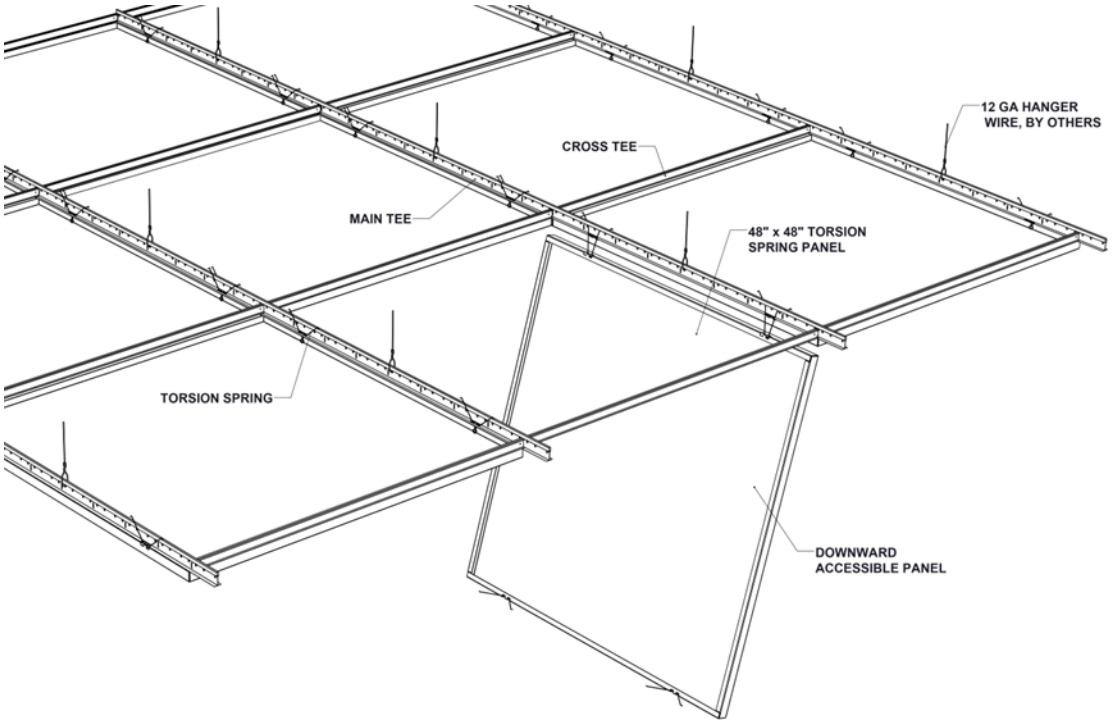
Ceiling Panels are downward accessible and designed to install on pre-slotted suspension grid 'Main Beams & Tees' using factory supplied torsion springs.

Installing Panels

- Compress the torsion springs ends together and insert into the panel slots.
- Line up the panel springs with the slots in the main beam or cross tee, then compress the spring ends once again and insert into the main or tee.
- Press the panel in place. The springs will expand and hold the panel firmly in place

Removing Panels

- Use a T shape shaped hook tool inserted into the panel joints to hook the top of the panel and gently pull it down till the torsion spring catches.
- Compress the torsion spring ends and remove it from the Main or Tee.
- Remove two adjacent torsion springs and the panel will swing open in place.
- For plenum access leave the open panel in place to avoid damage or loss.



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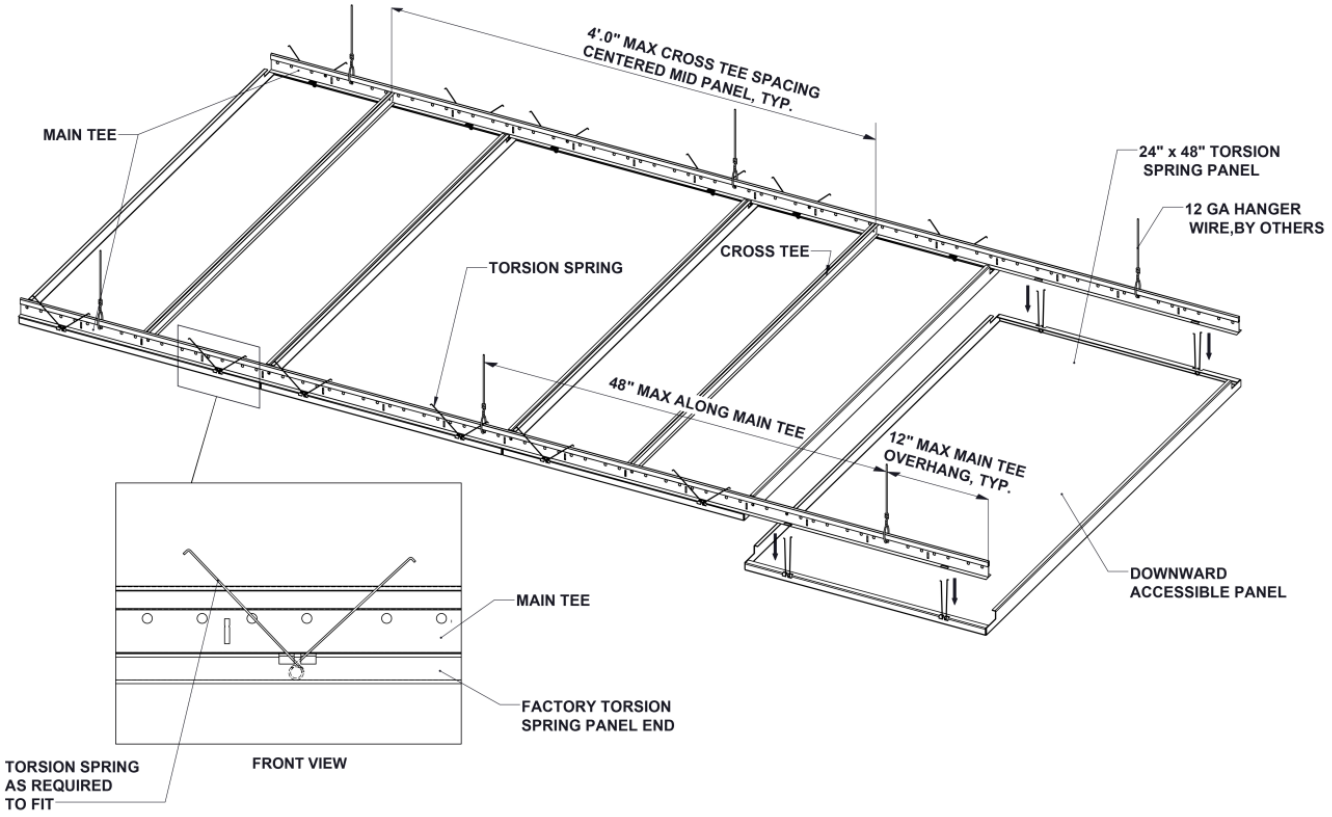

For 2’x2’, 2’x4’ & 2’x6’ panels, torsion springs can be inserted into Main Beams and Tee’s.

For 2’x8’ and 30”x30” panels, torsion springs must be inserted into Main Beams only.

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MEP Integrations

- Mechanical fixtures such as lights and sprinklers can be installed at the suspension system height, flush with the panels. Fixture weight must not be supported by the panels or HD grid suspension.

Before installing, please note.

In addition to these instructions please refer to the publications referenced below for full details on industry accepted practices and requirements.

- ClSCA "Ceiling Systems Handbook"
- Standard for Ceiling Suspension System Installations - ASTM C 636
- Standard for Ceiling Suspension Systems Requiring Seismic Restraint - ASTM E 580
- IBC (International Building Code) Standard for Seismic Zone for local area.

For addition question or assistance

Please contact us at: www.maxxitgroup.com