

DURAMET ALUMINIUM HONEYCOMB PANEL MECHANICAL FIXING



Duramica is the manufacturer of a range of stone panels. We do not produce or supply fixing systems. This technical solutions catalogue is provided for general understanding only. A detailed technical solutions package is developed by the fixing system supplier specifically for your project.

Duramica ist der Hersteller einer Produktlinie von Steinpaneelen.

Wir stellen keine Befestigungssysteme her und liefern sie auch nicht.

Dieses technische Lösungshandbuch dient ausschließlich dem allgemeinen Verständnis.

Ein detailliertes technisches Lösungskonzept wird vom Anbieter des Befestigungssystems speziell für Ihr Projekt entwickelt.

GENERAL RECOMMENDATIONS

Duramet panel from Duramica stone panels family is a lightweight, high-strength wall decoration material widely used in both interior and exterior applications, including building facades, ceilings, and partition walls. Installing Duramet panels requires specific professional skills and procedures. Below is an overview of the installation process for Duramet panels.

Installation Steps for Duramet Panels:

1. Preparation Work

Before installing Duramet panels, some preparatory tasks must be completed. First, verify the flatness of the installation surface to ensure there are no irregularities. Next, clean the installation area thoroughly to ensure it is free of dust and debris.

2. Determine the Installation Method

Duramet panels can be installed using two methods: dry and wet. The dry installation method typically involves using an aluminum alloy subsystem to support and fix the Duramet panel onto the structure. The wet installation method involves using adhesive to directly affix the panel to the wall.

3. Cutting the Duramet Panels

Based on the specific project requirements, cut the Duramet panel to the necessary dimensions. Professional cutting equipment should be used to ensure safety and precision during the cutting process.

4. Marking the Installation Positions

Before starting the installation, positioning marks must be made to define the panel's installation location and orientation. Use a spirit level and a pencil to draw a reference line on the surface for accurate placement.

5. Install the subsystem

If the dry installation method is chosen, the aluminum alloy subsystem must be installed first. Attach the aluminum subsystem to the wall at the required spacing, using expansion screws or rivets. Ensure the subsystem is level to ensure the Duramet panels will be installed smoothly and securely.

6. Install Duramet Panels

Place the Duramet panel in the designated position, aligning it properly. Use professional screws to securely fasten the panel to the subsystem. It is essential to select screws that provide a firm hold without damaging the surface of the Duramet panel.

7. Addressing Deviations

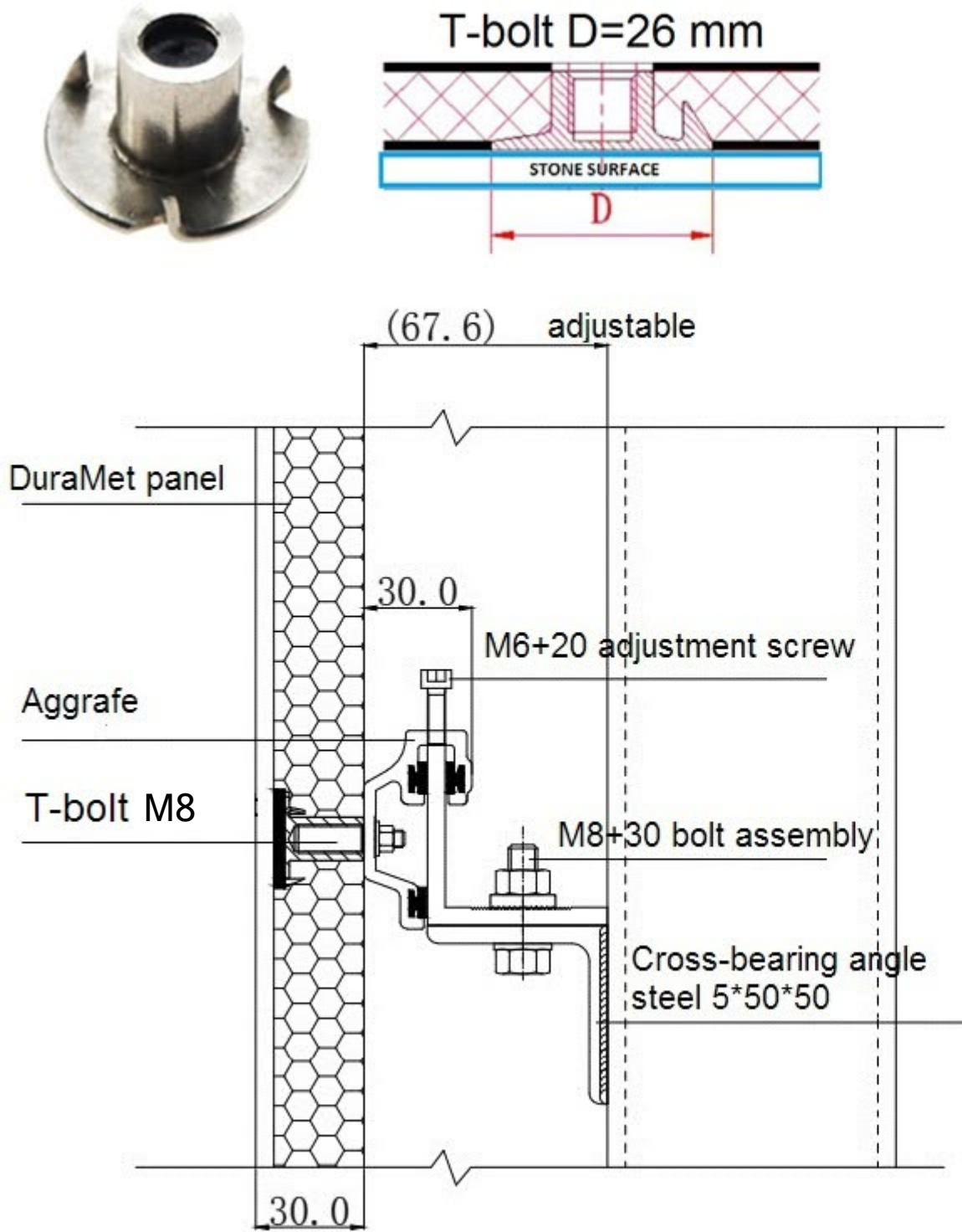
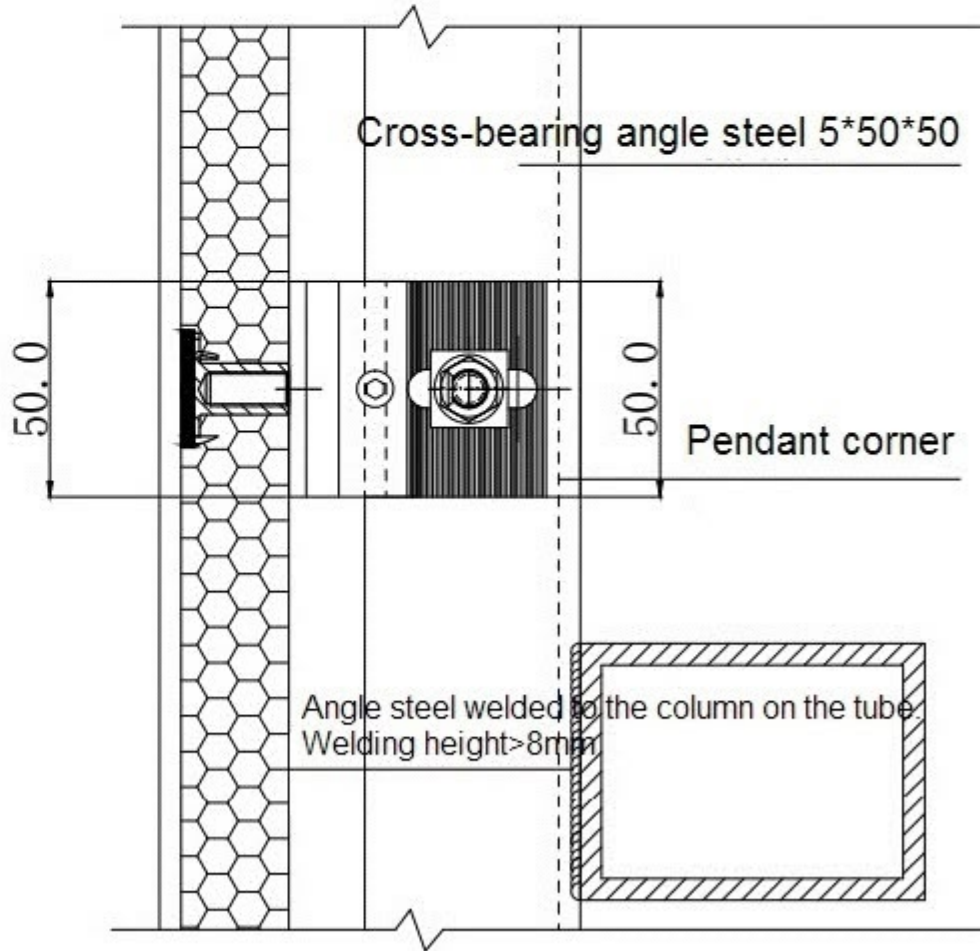
After installation, check the Duramet panels for any alignment issues or surface unevenness. If necessary, make adjustments or corrections to ensure the installation meets quality standards.

8. Cleaning and Maintenance

Once the Duramet panels are installed, they should be cleaned and maintained regularly. Clean the surface of the panels using a neutral cleaning solution, avoiding acidic or alkaline agents that could harm the surface.

These steps outline the process for installing Duramet panels. Professional knowledge and skills are required for proper installation. If you're unfamiliar with the process, it is advisable to consult or hire a professional installer for optimal results.

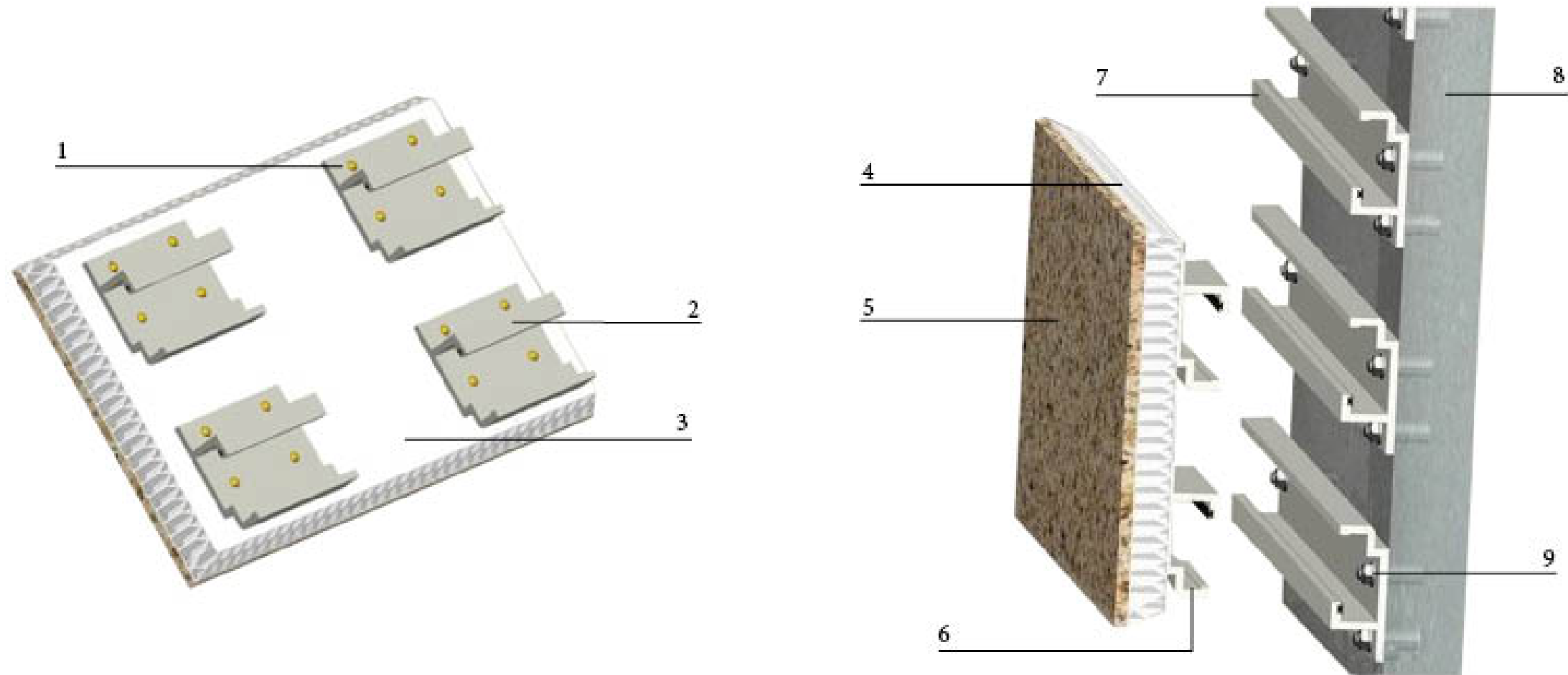
The T-bolt is a versatile, pre-installed attachment point recommended by the manufacturer for securing the panel to the subsystem fasteners, the structural framework, or the load-bearing structure. In terms of performance, it outperforms other rivets and anchors by a factor of two.



DURAMET PANEL

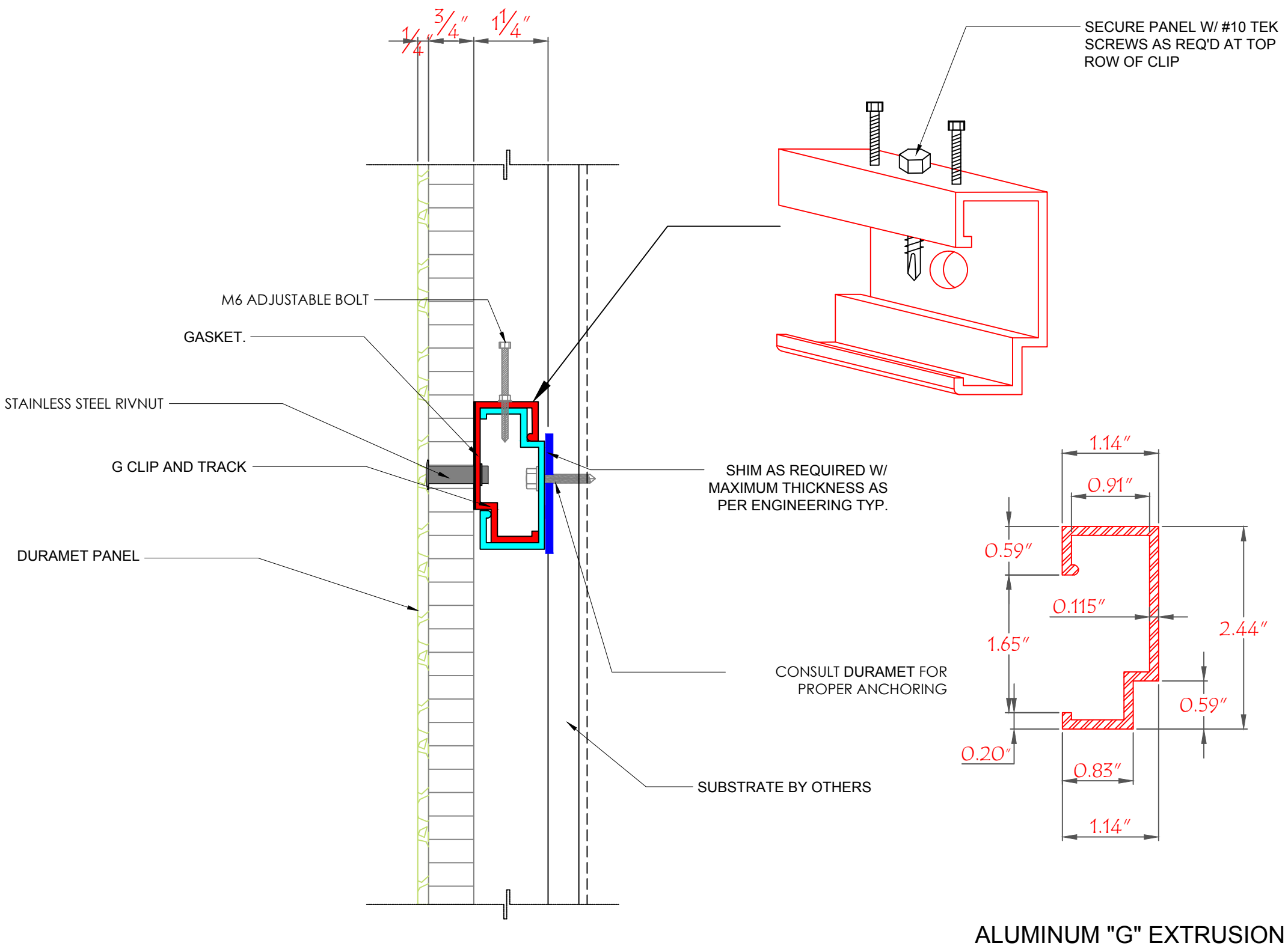
T-BOLT

DURAMET HONEYCOMB PANEL FIXING



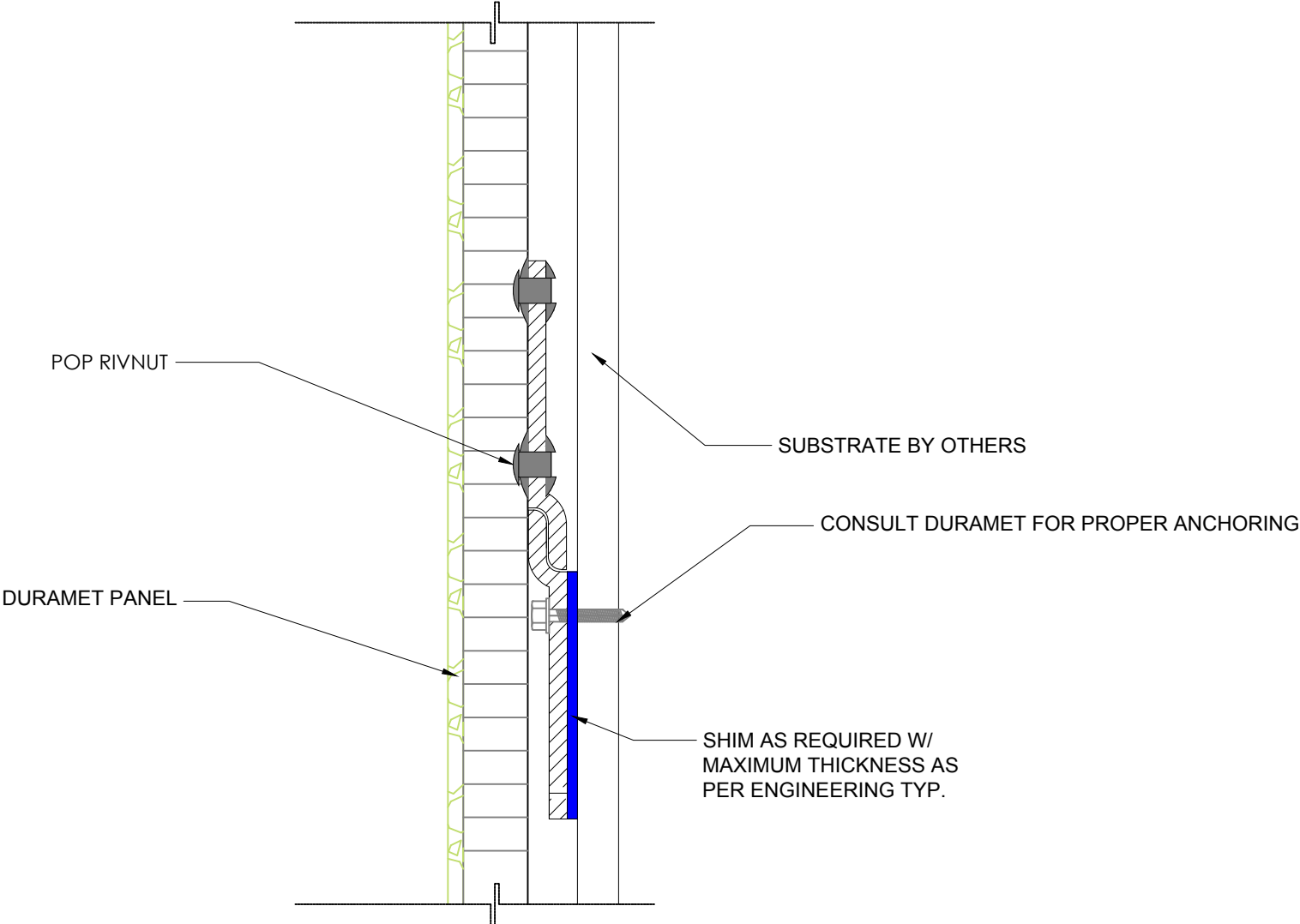
- | | | |
|--------------------------|-------------------------|----------|
| 1- Rivet | 4 - Aluminium honeycomb | 8 - Wall |
| 2, 6 - Aluminium bracket | 5 - Stone | 9 - Bolt |
| 3 - DuraMet panel | 7 - Aluminium profile | |

DURAMET PANEL



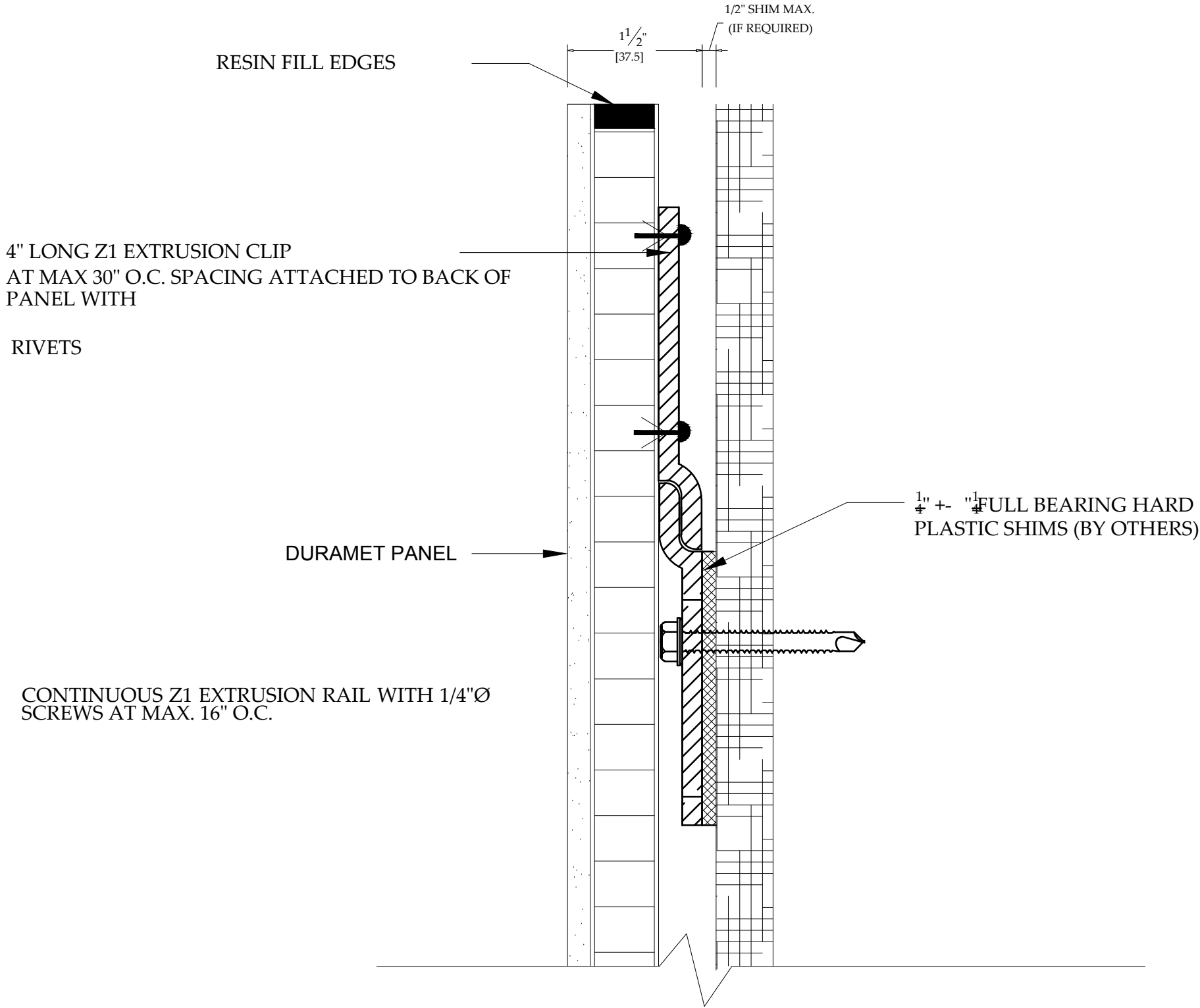
DURAMET PANEL
INTERLOCKING CHANNEL SYSTEM DETAIL

G-SHAPED-DETAIL



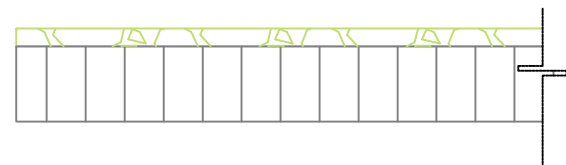
DURAMET PANEL
Z-CLIP ATTACHMENT SYSTEM DETAIL

Z-CLIP-DETAIL

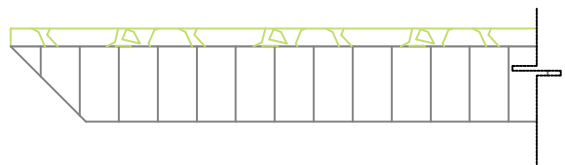


DURAMET PANEL
Z-CLIP ATTACHMENT SYSTEM DETAIL

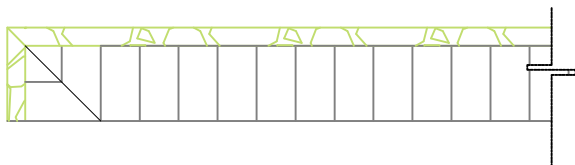
Z-CLIP-DETAIL



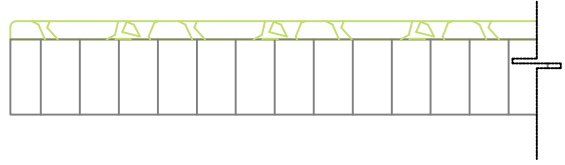
STANDARD EDGE



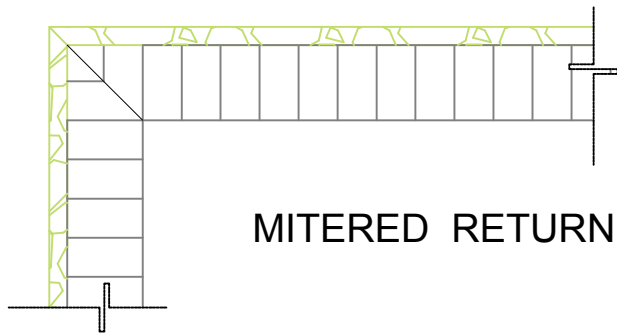
QUIRK MITER EDGE



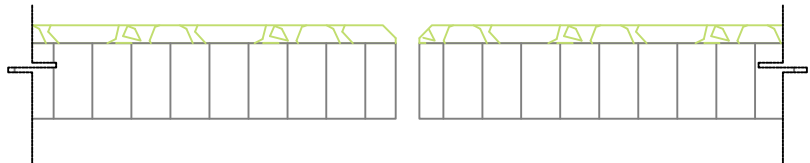
FINISHED RETURN



SEAMED EDGE



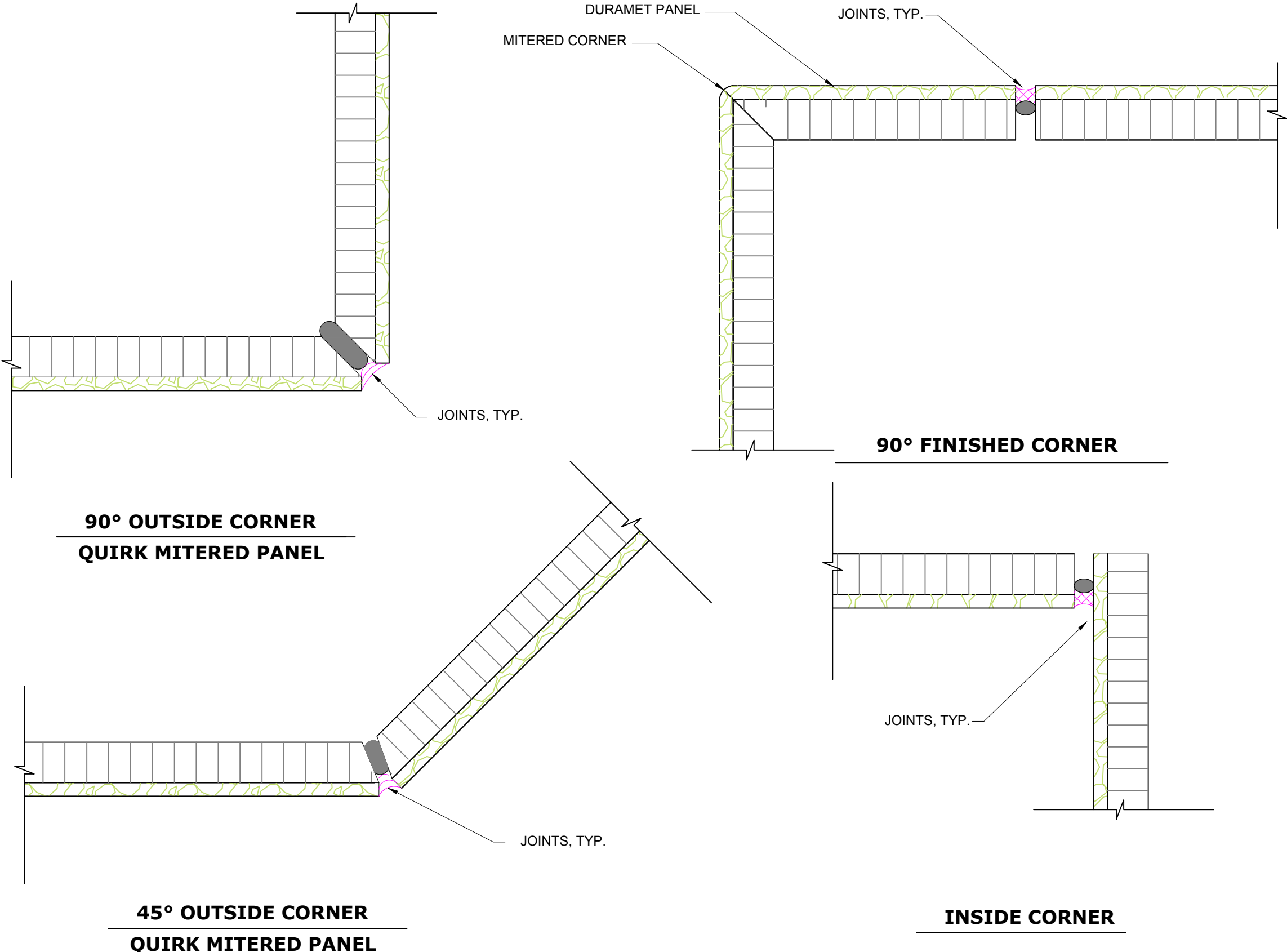
MITERED RETURN



CHAMFERED EDGES

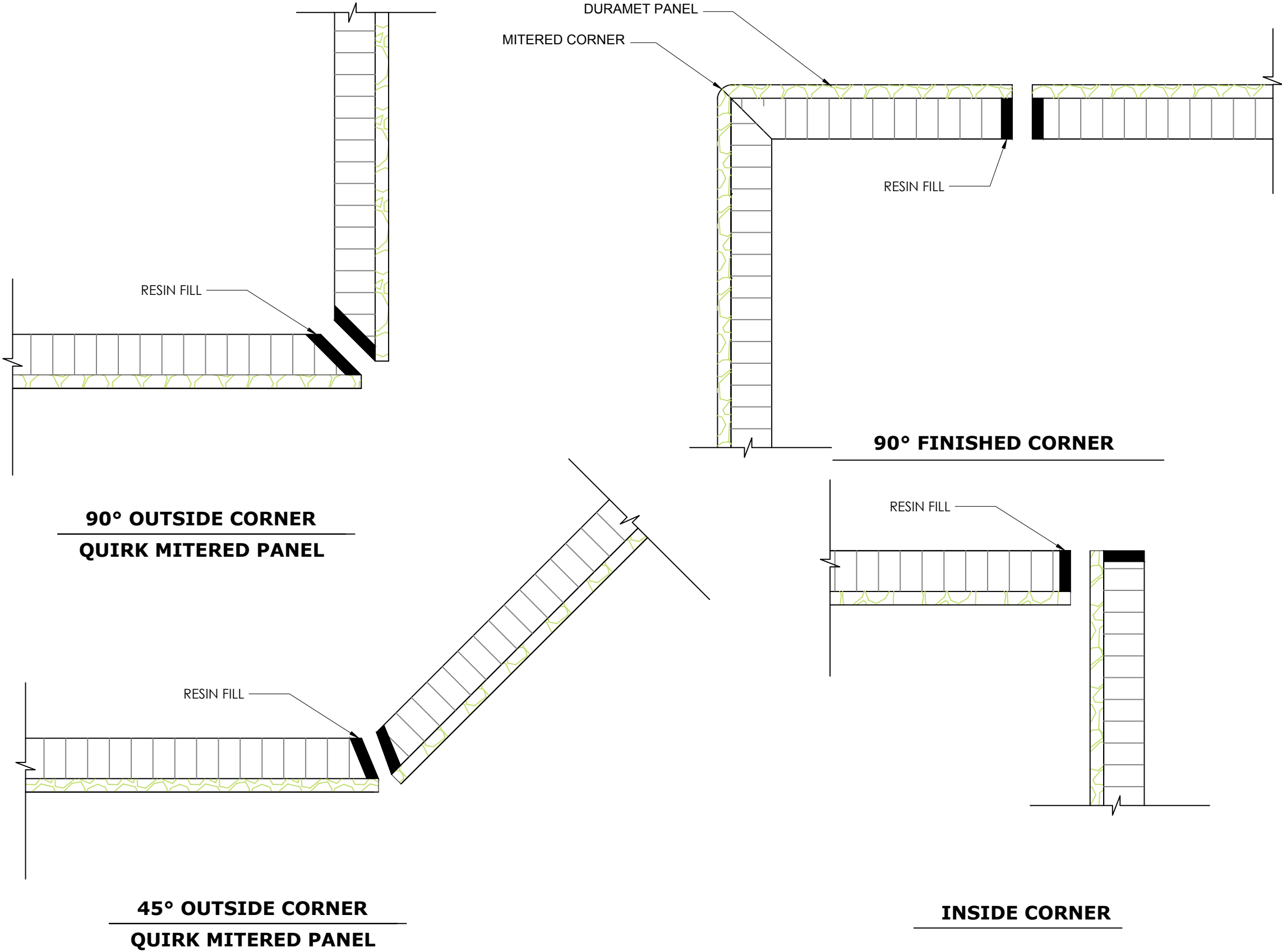
DURAMET PANEL
EDGE CONDITION DETAIL

EDGE-DETAIL



DURAMET PANEL
CORNER SEALED DETAIL

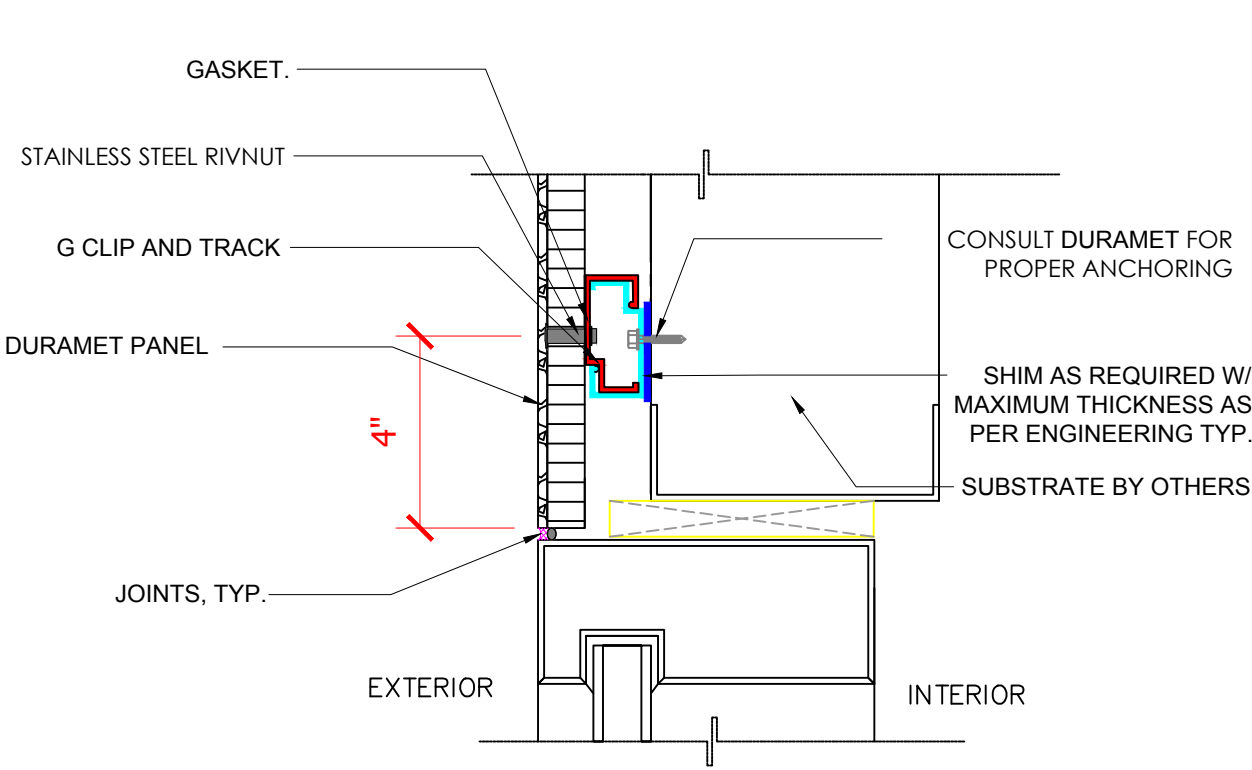
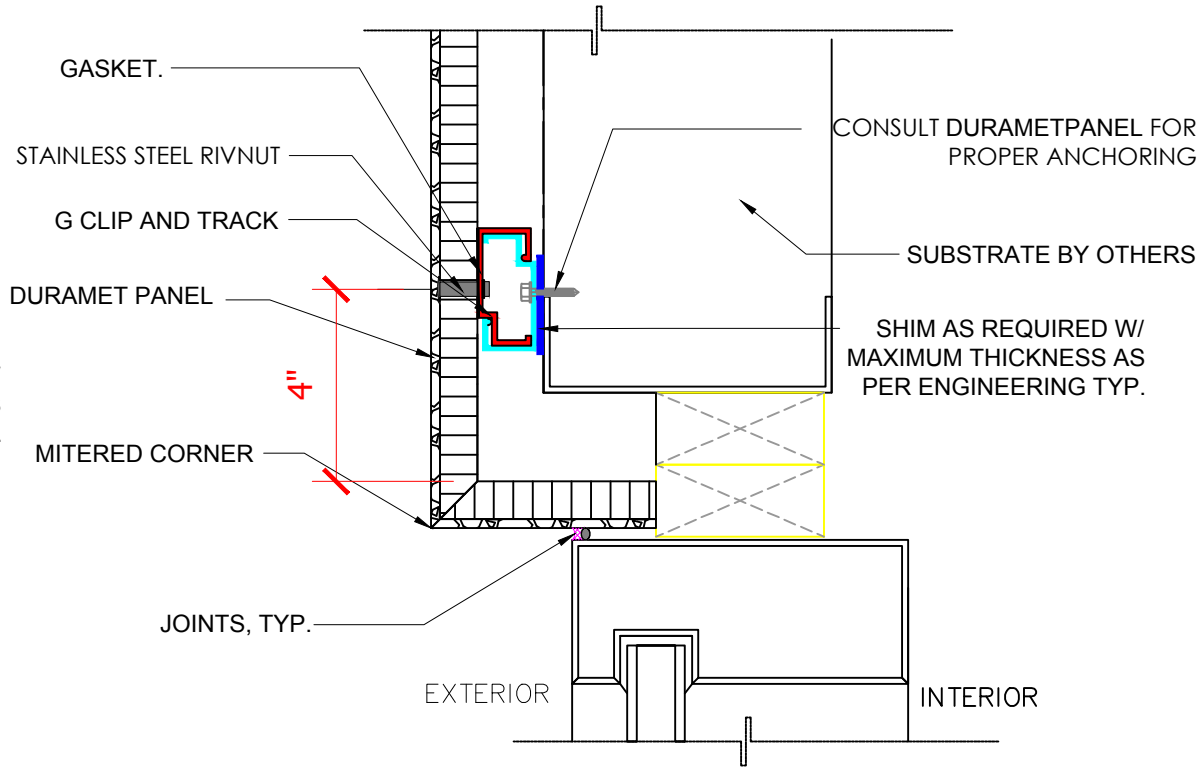
CORNER-DETAIL



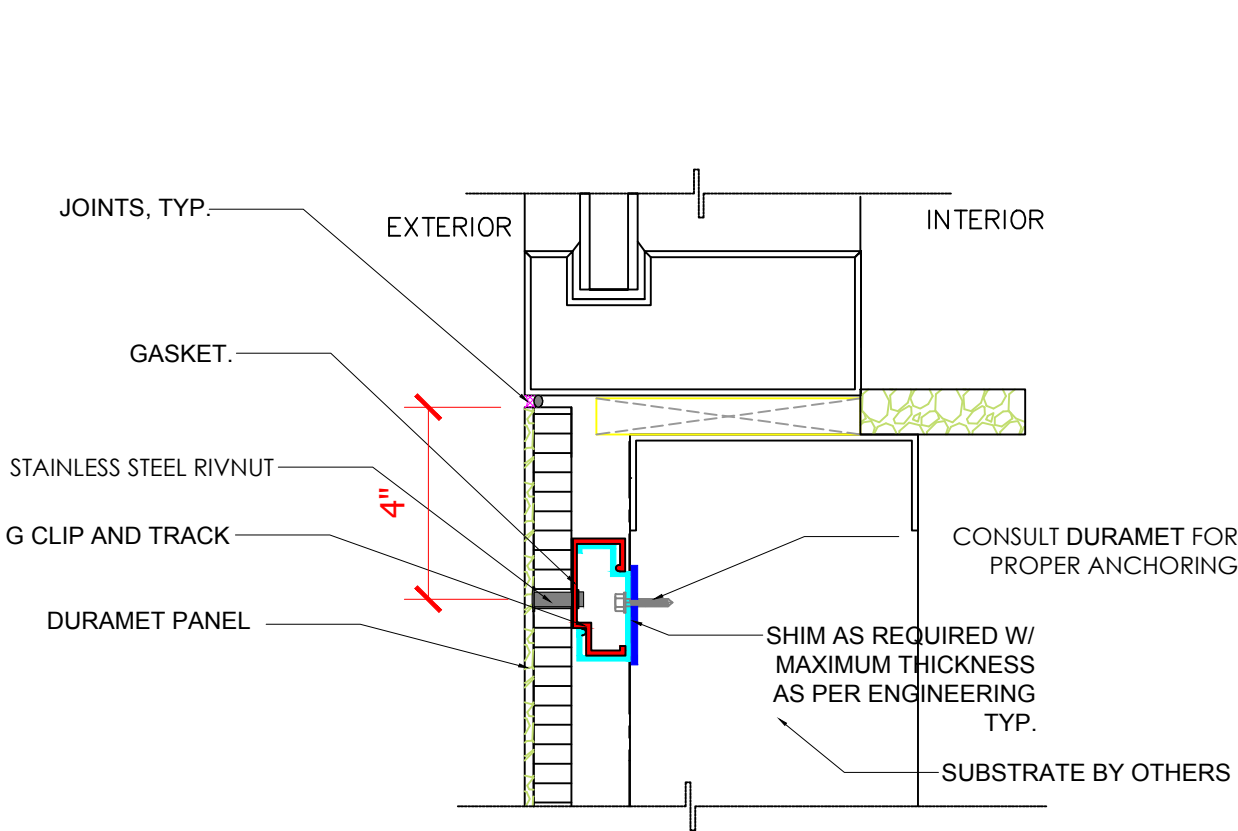
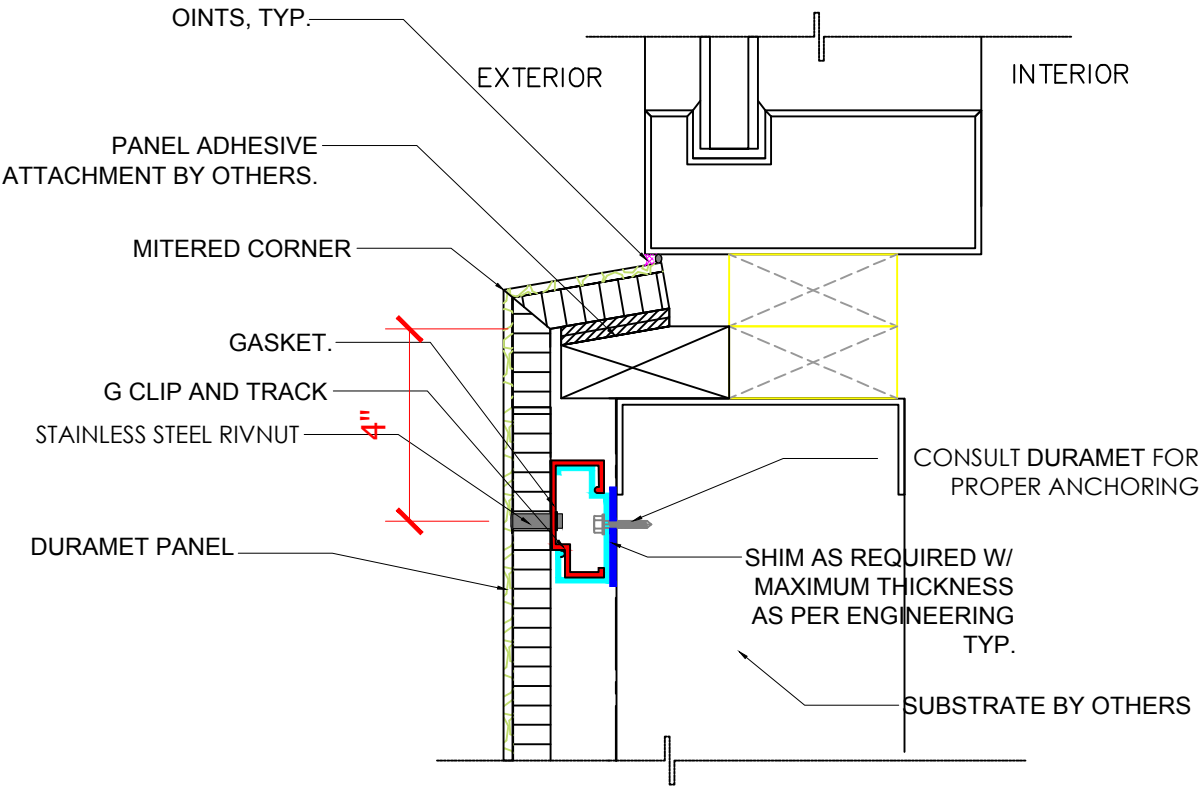
DURAMET PANEL

CORNER OPEN DETAIL

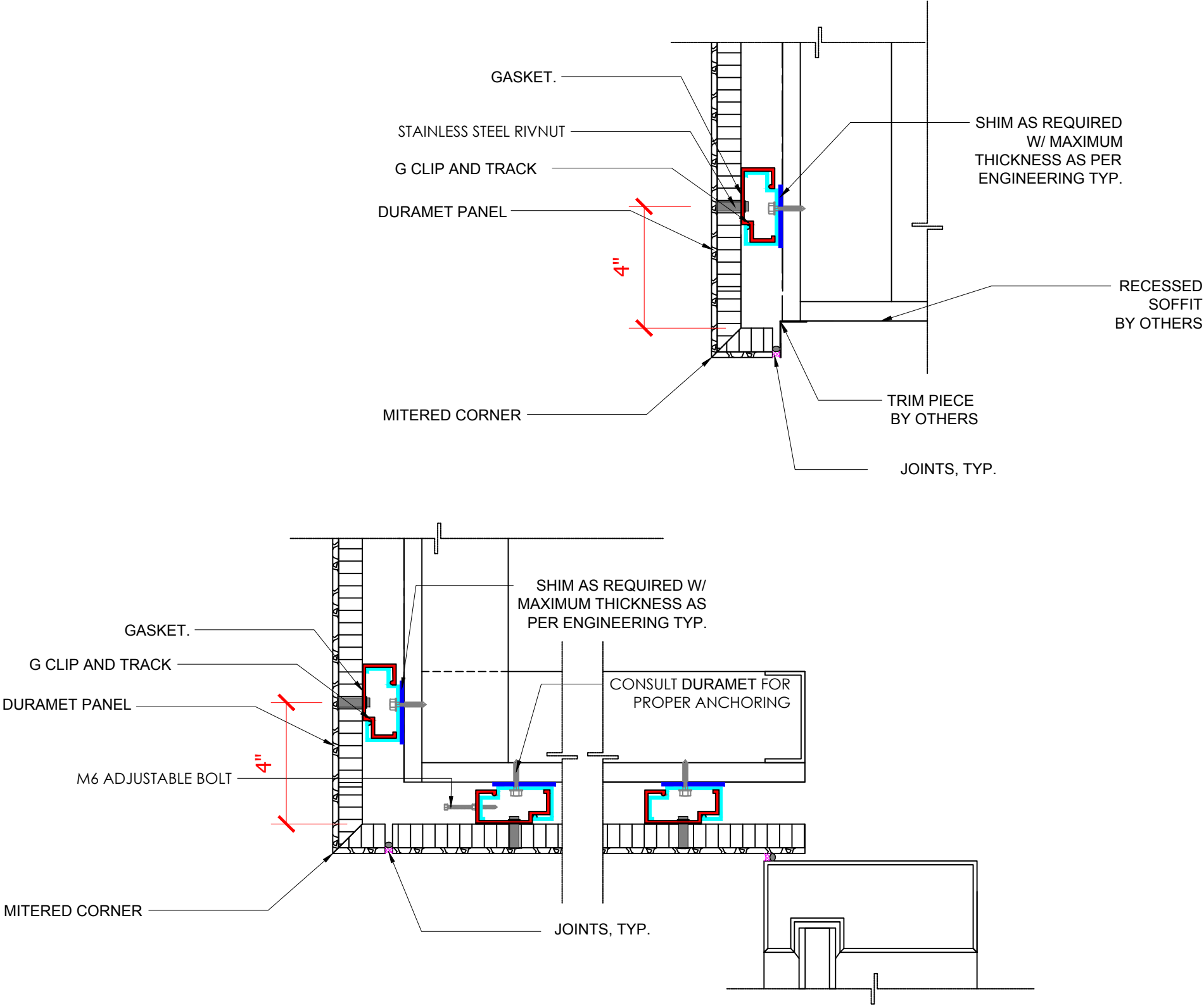
CORNER-DETAIL



DURAMET PANEL
TYPICAL WINDIW HEADER DETAIL

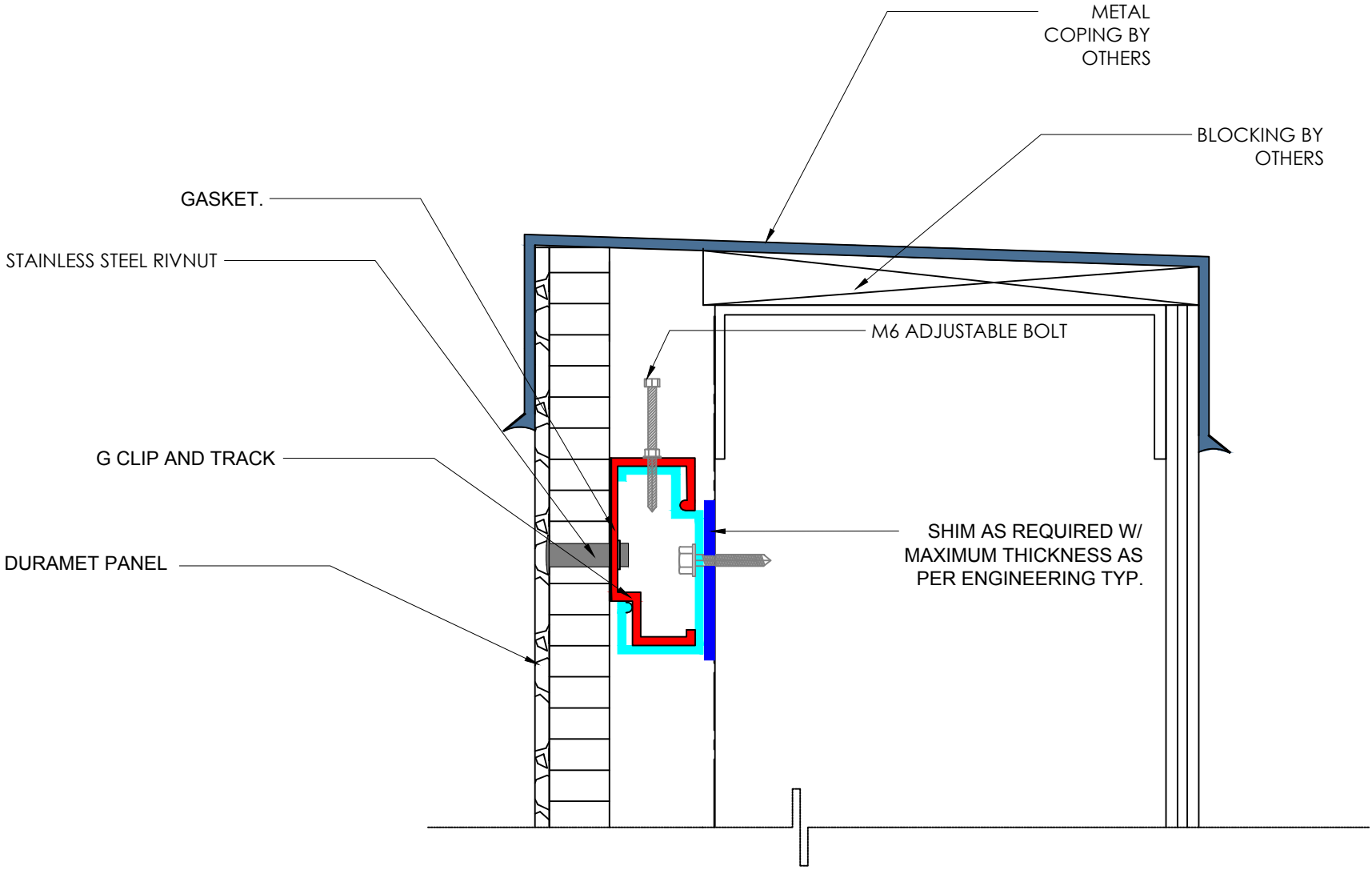


DURAMET PANEL
TYPICAL WINDOW SILL DETAIL



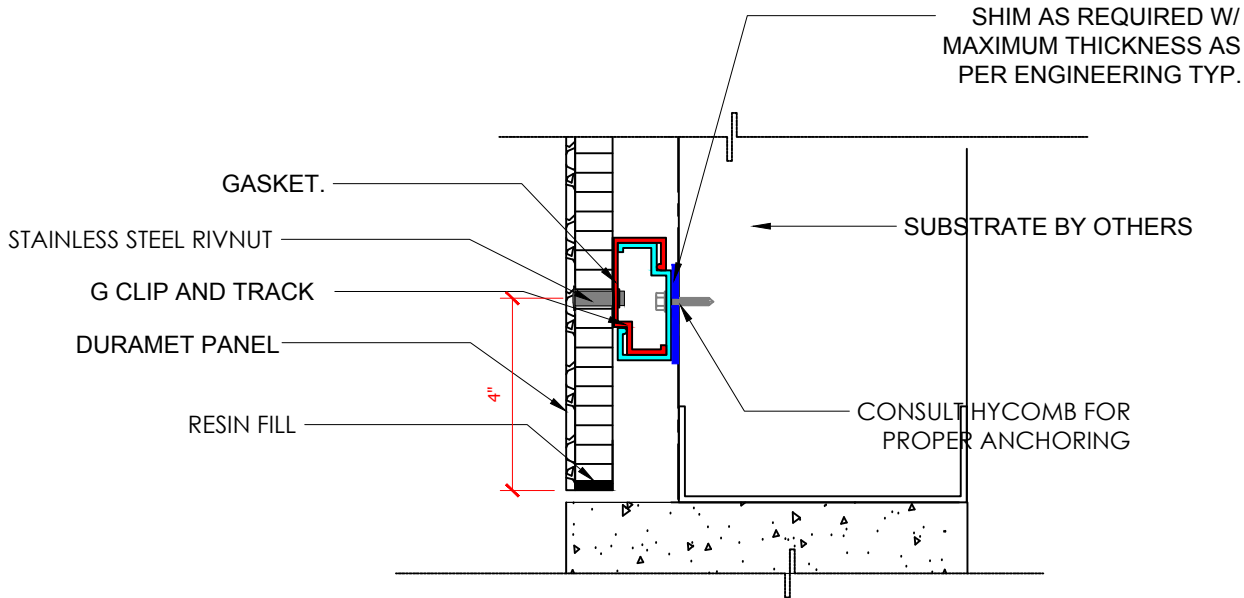
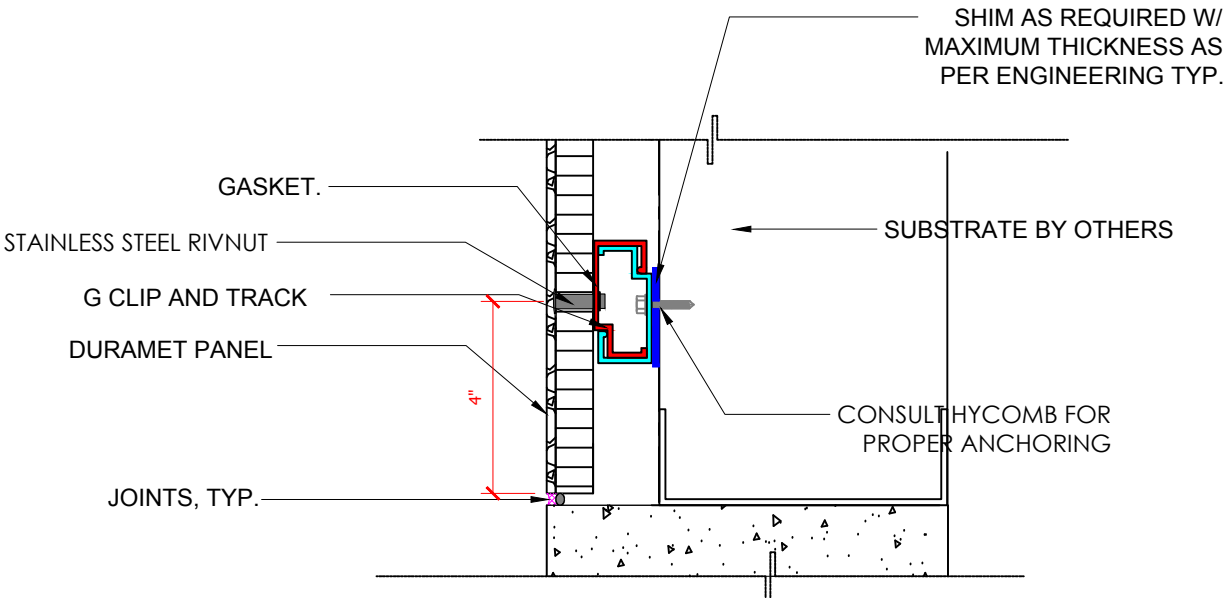
DURAMET PANEL

TYPICAL SOFFIT DETAIL

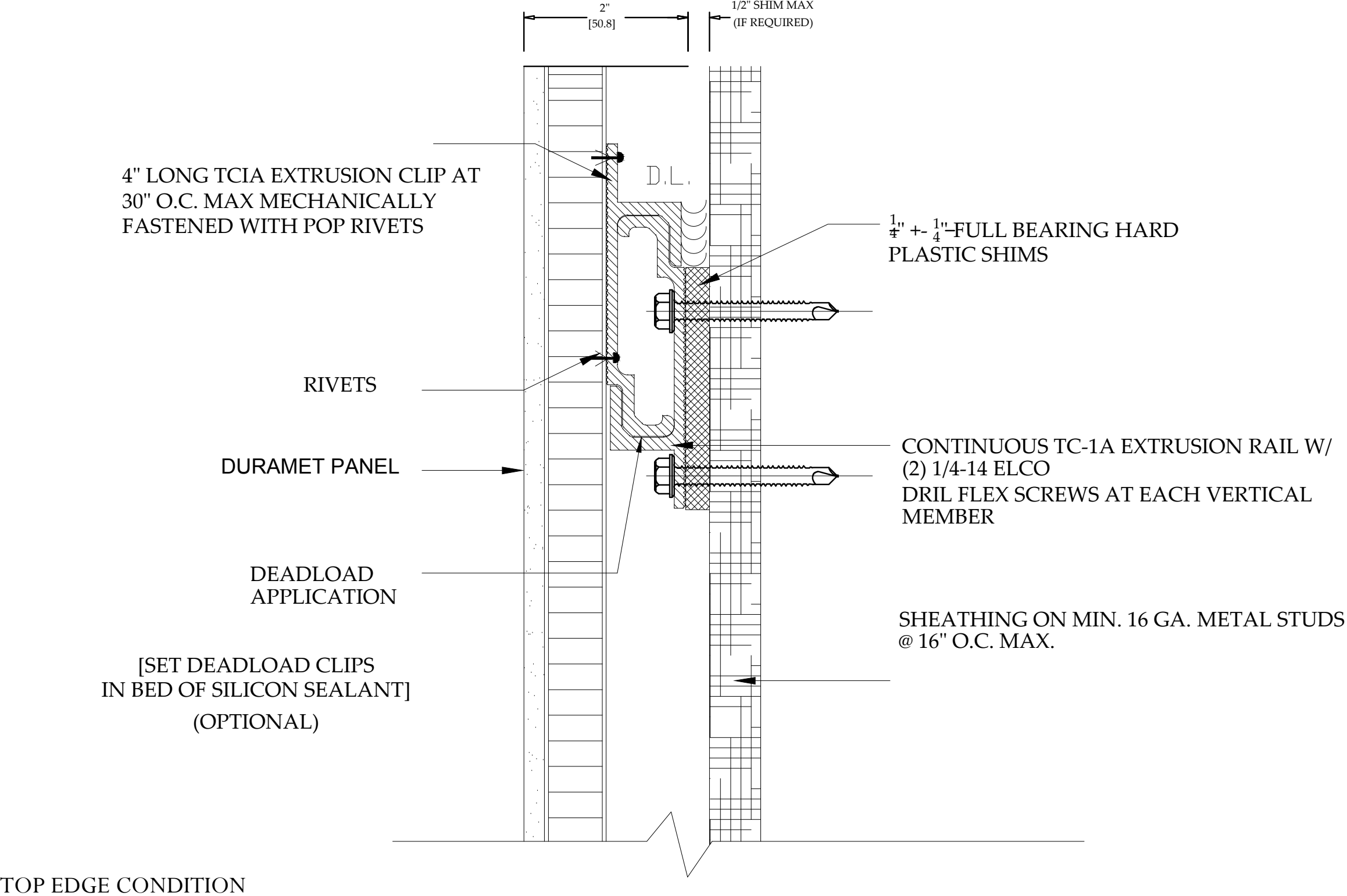


DURAMET PANEL
TYPICAL METAL CAP DETAIL

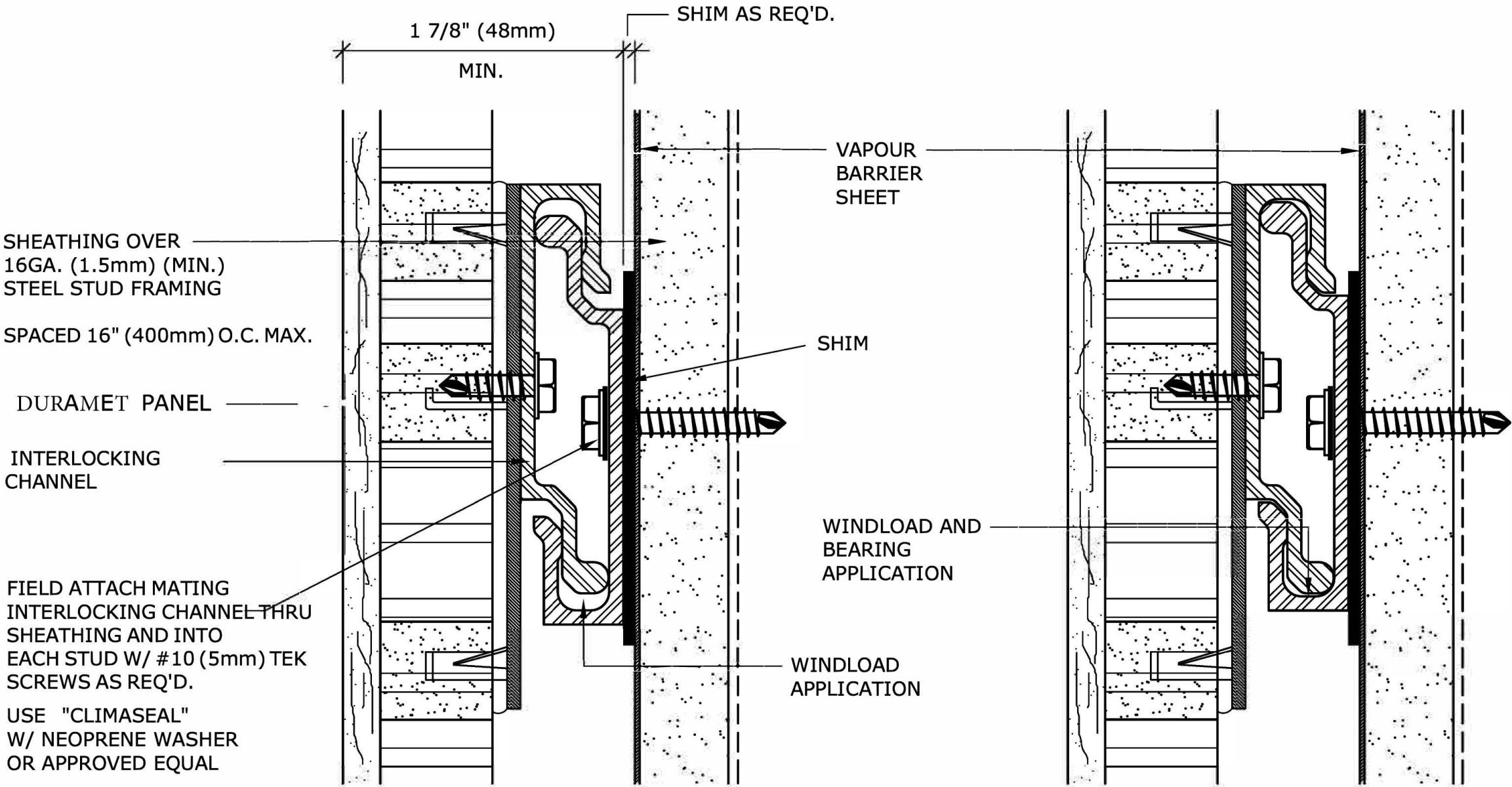
CAP-DETAIL



DURAMET PANEL
TYPICAL BOTTOM OF WALL DETAIL



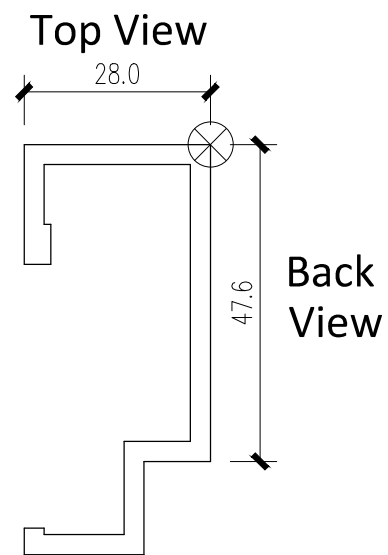
DURAMET PANEL
TYPICAL BOTTOM OF WALL DETAIL



AT CONC./CMU WALLS -
USE COATED TAP-CONS
W/ NEOPRENE WASHER

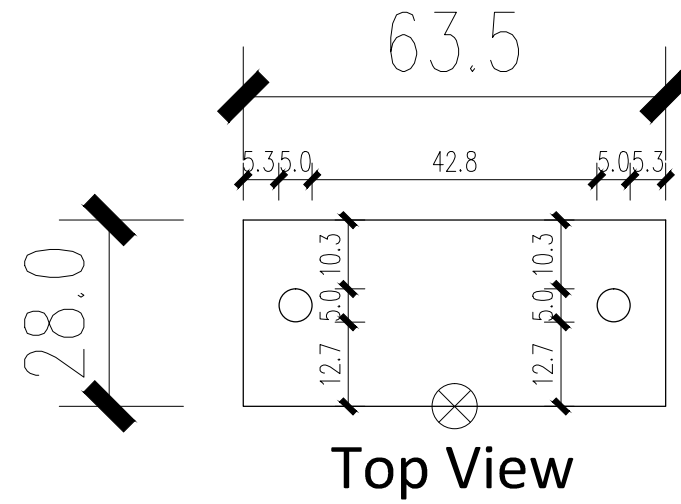
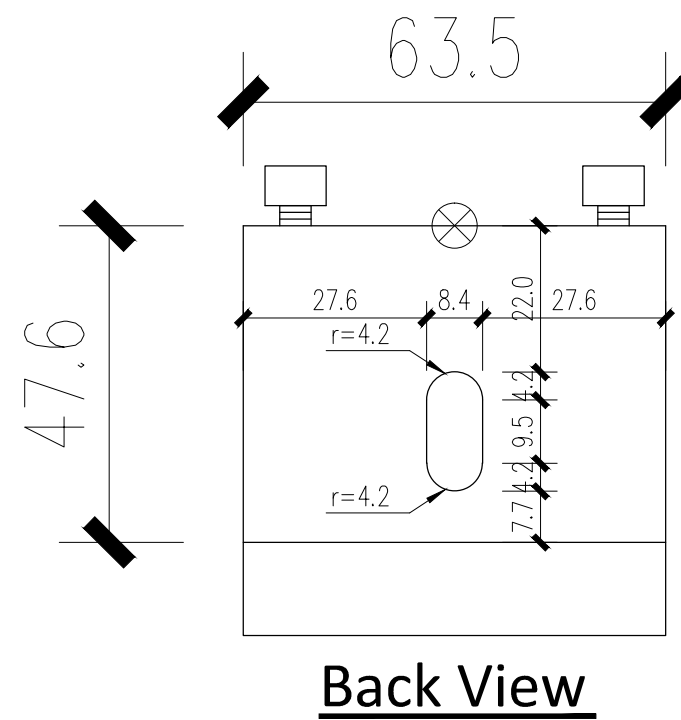
DURAMET PANEL
TYPICAL BOTTOM OF WALL DETAIL

Drawings of clips for
Oceana Breezeway



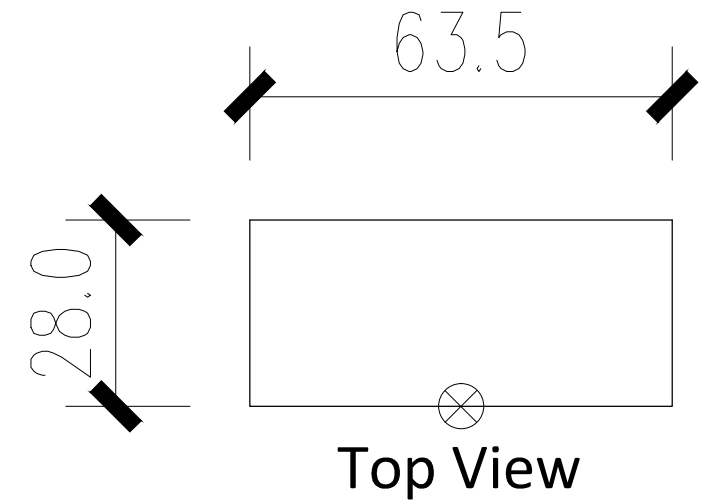
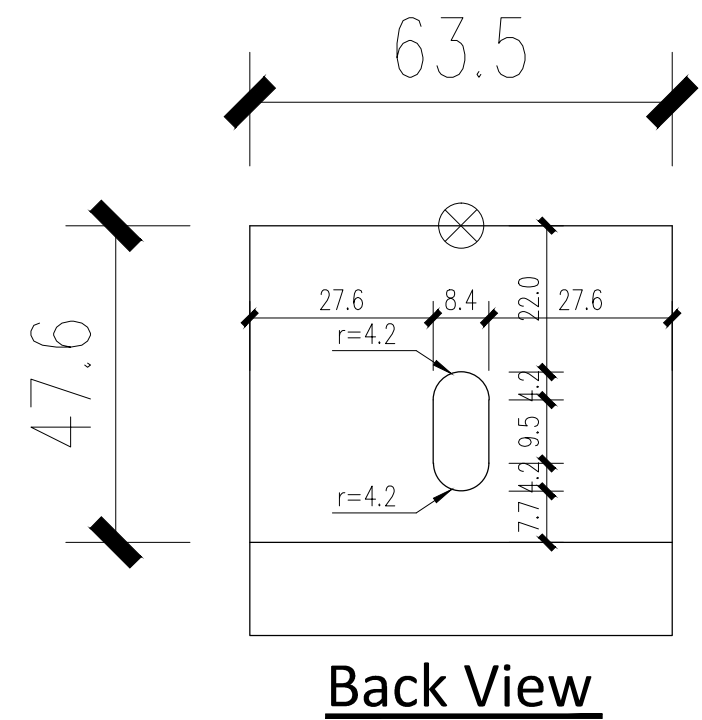
Section

G1 Clips (for top rows)



⊗ Connection with back side

G2 Clips (for other rows)



⊗ Connection with back side