DURAMICA®

LIGHTWEIGHT STONE PANELS

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

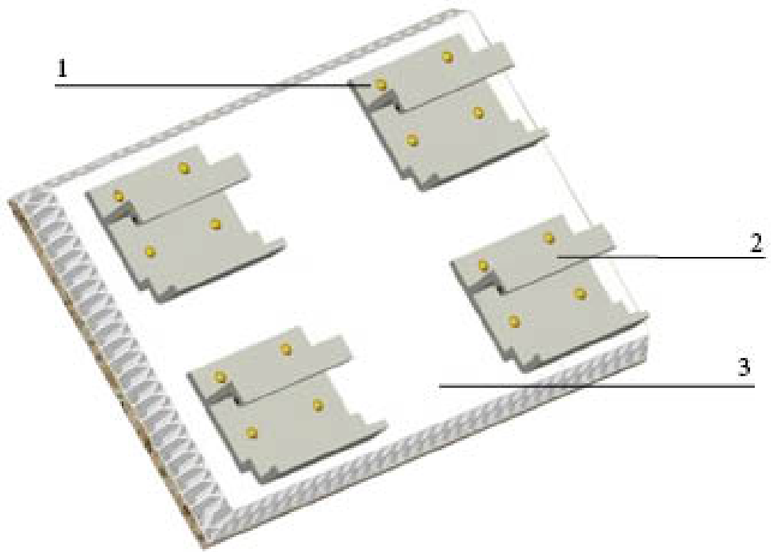
After installation, check the Duramet panels for any alignment issues or surface unevenness. If necessary, make adjustments or corrections to ensure the installation meets quality standards.

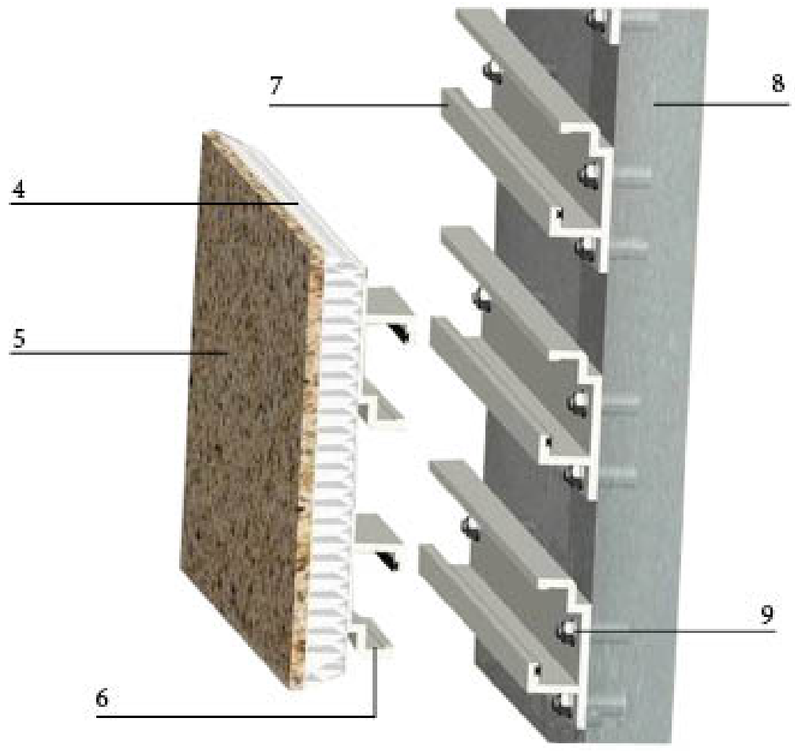
8. Cleaning and Maintenance

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.

DURAMET HONEYCOMB PANEL FIXING





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

DURAMET PANEL

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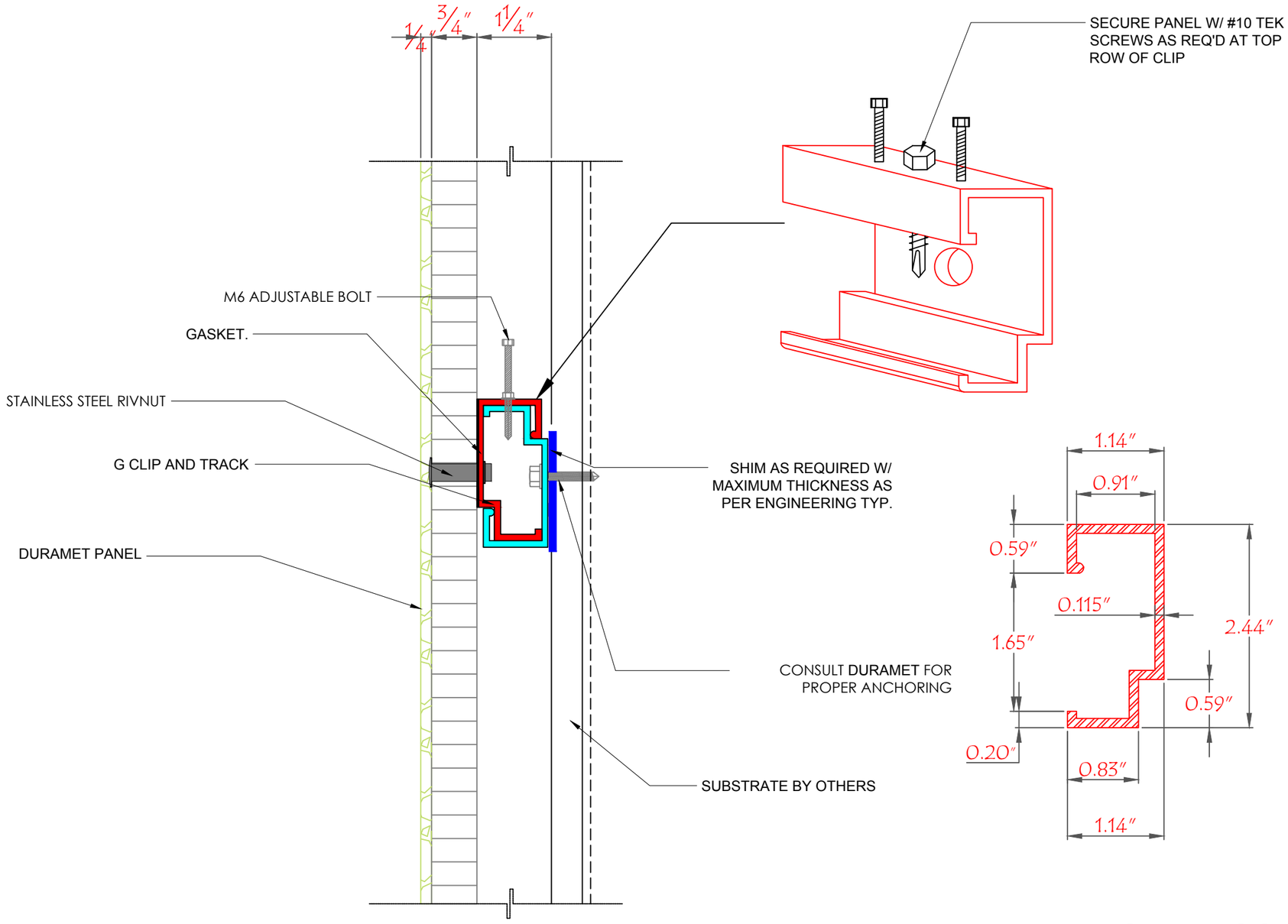

ALUMINUM "G" EXTRUSION

DURAMET PANEL

INTERLOCKING CHANNEL SYSTEM DETAIL

G-SHAPED-DETAIL

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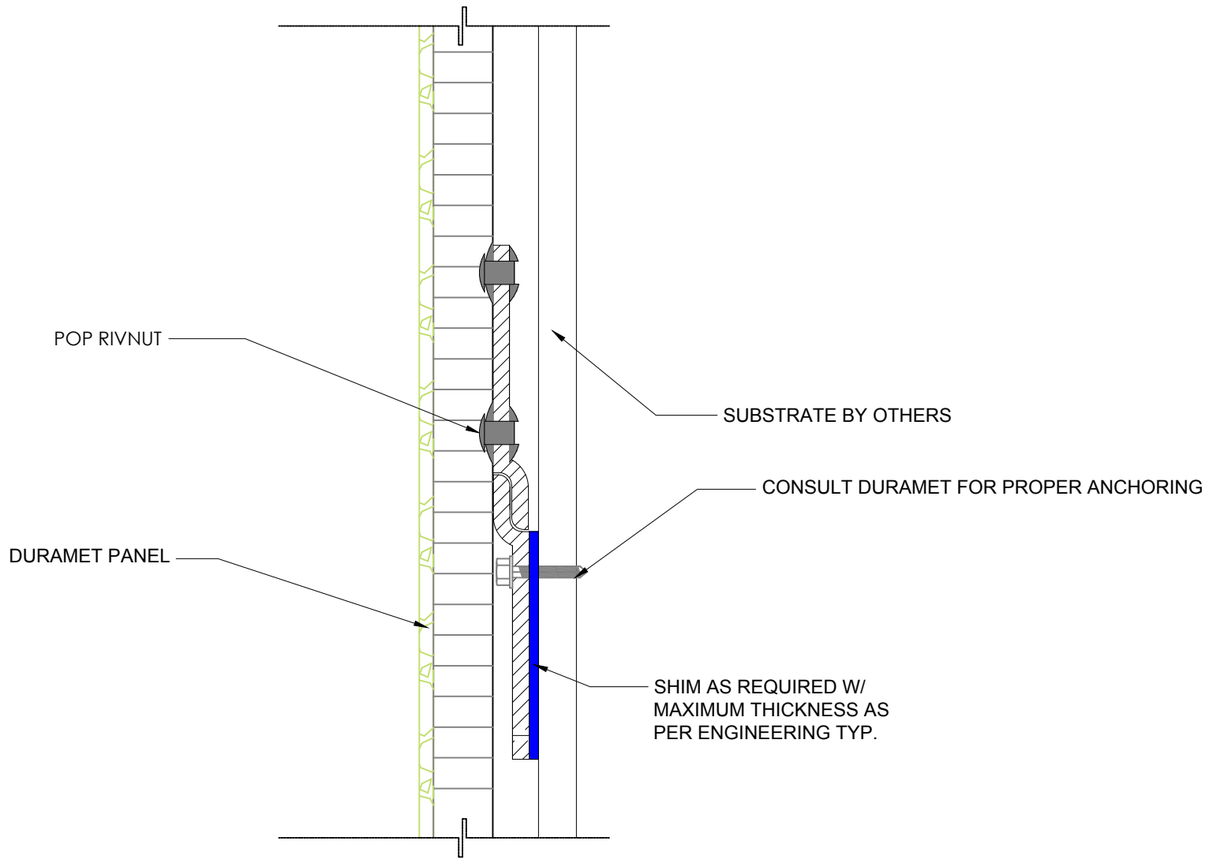

DURAMET PANEL

Z-CLIP ATTACHMENT SYSTEM DETAIL

Z-CLIP-DETAIL

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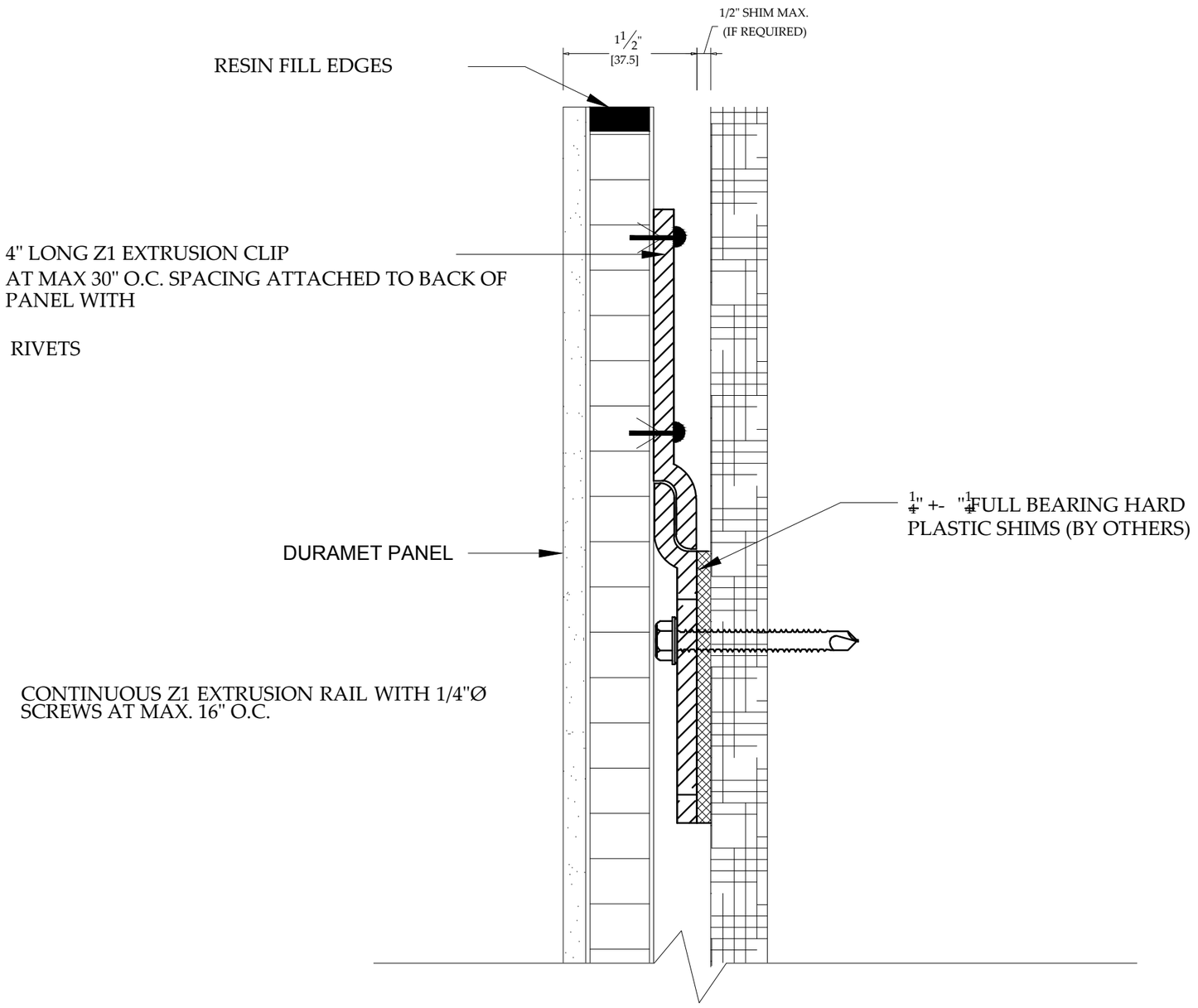

DURAMET PANEL

Z-CLIP ATTACHMENT SYSTEM DETAIL

Z-CLIP-DETAIL

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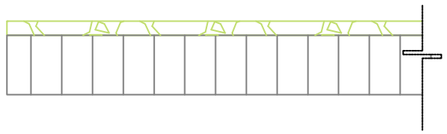
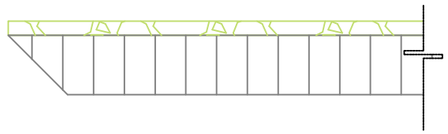
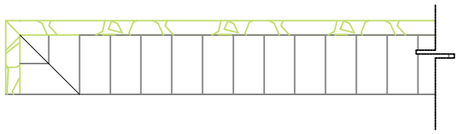


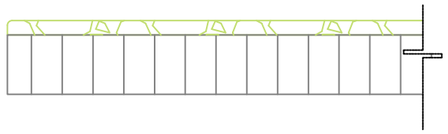
STANDARD EDGE



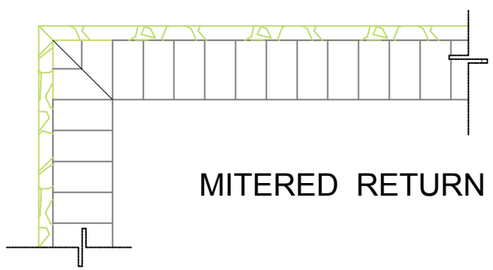
QUIRK MITER EDGE



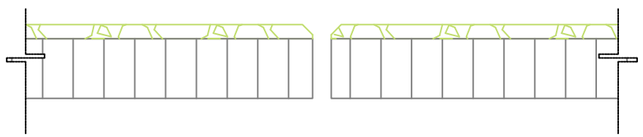
FINISHED RETURN



SEAMED EDGE



MITERED RETURN



CHAMFERED EDGES

DURAMET PANEL

EDGE CONDITION DETAIL

EDGE-DETAIL

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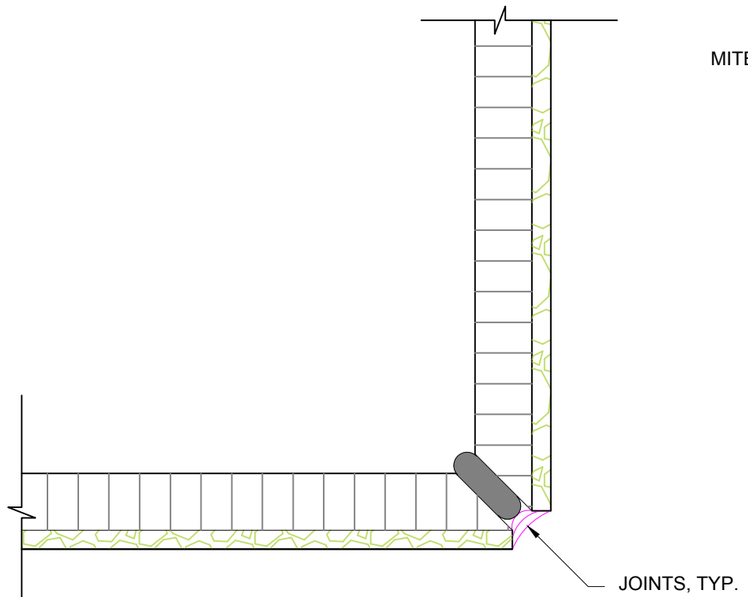
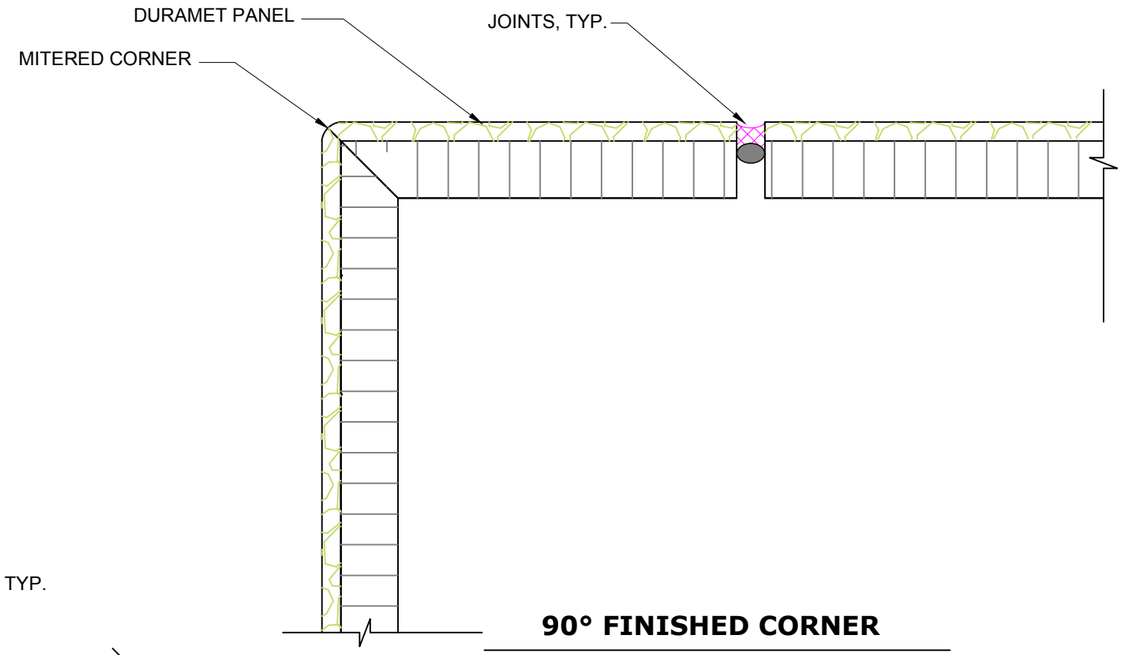
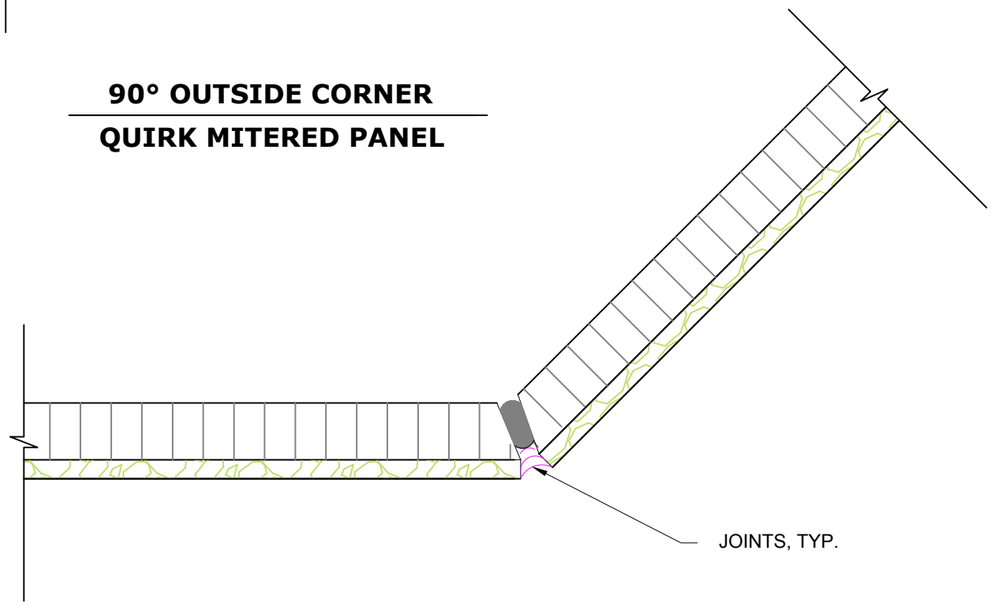


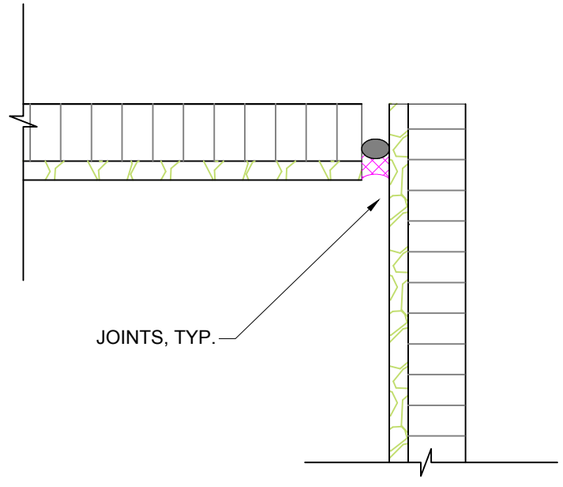
90° OUTSIDE CORNER
QUIRK MITERED PANEL



90° FINISHED CORNER



45° OUTSIDE CORNER
QUIRK MITERED PANEL



INSIDE CORNER

DURAMET PANEL

CORNER SEALED DETAIL

CORNER-DETAIL

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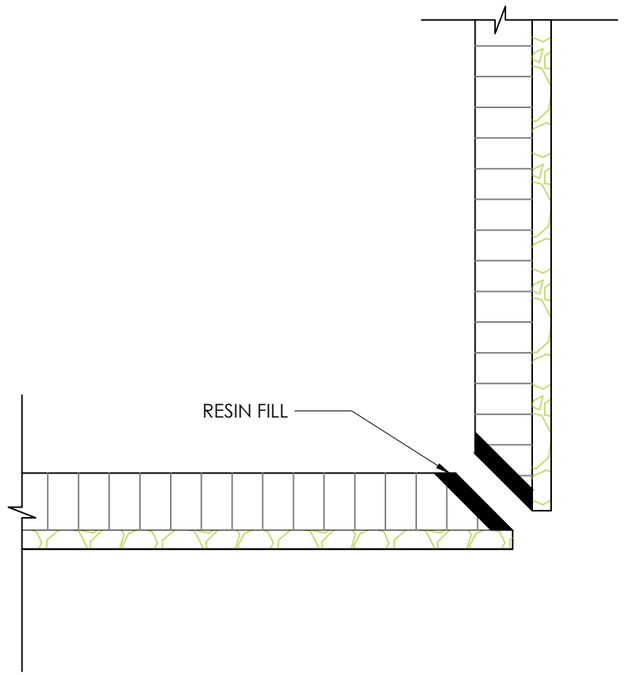
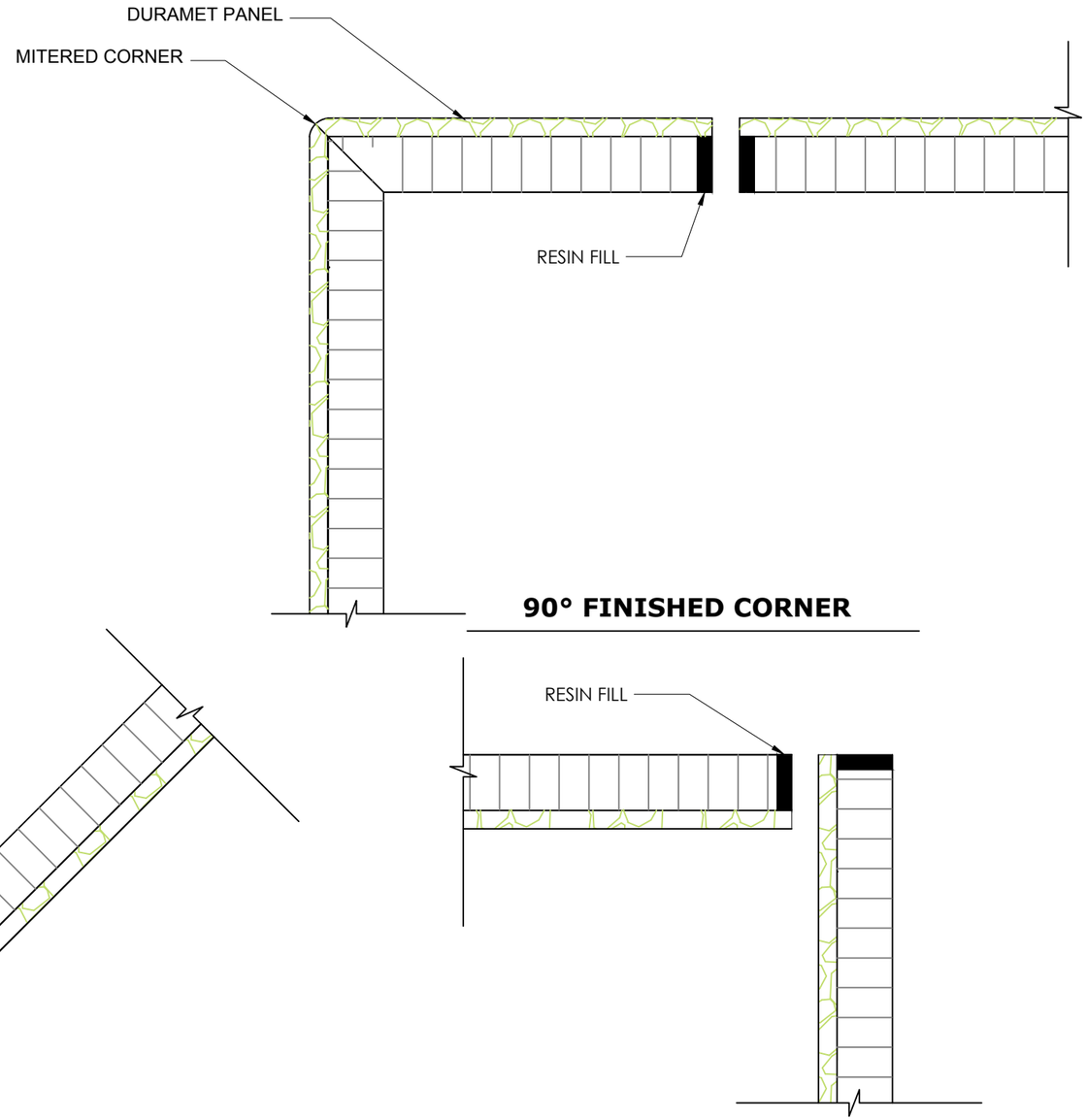
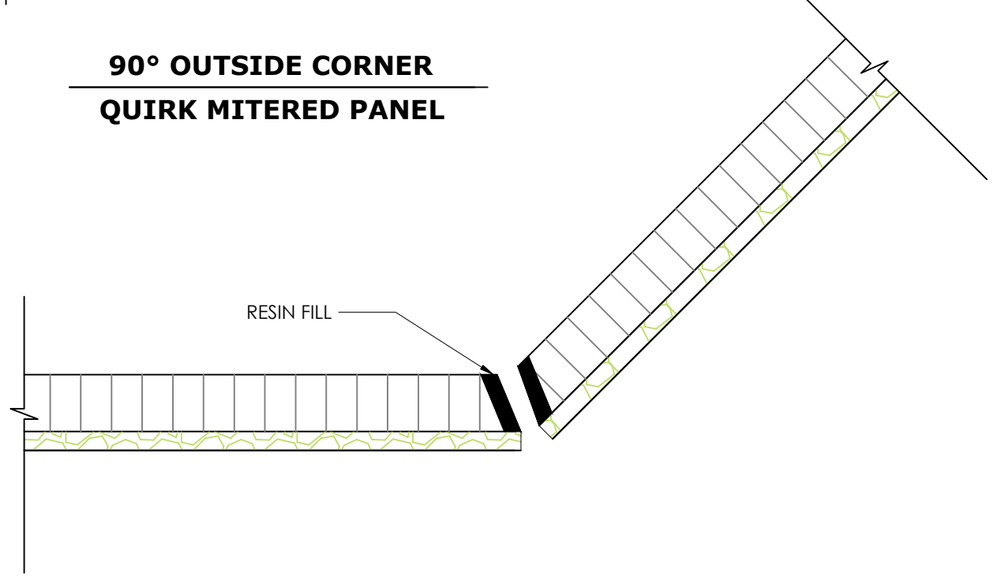




90° FINISHED CORNER

90° OUTSIDE CORNER
QUIRK MITERED PANEL



45° OUTSIDE CORNER
QUIRK MITERED PANEL

INSIDE CORNER

DURAMET PANEL

CORNER OPEN DETAIL

CORNER-DETAIL

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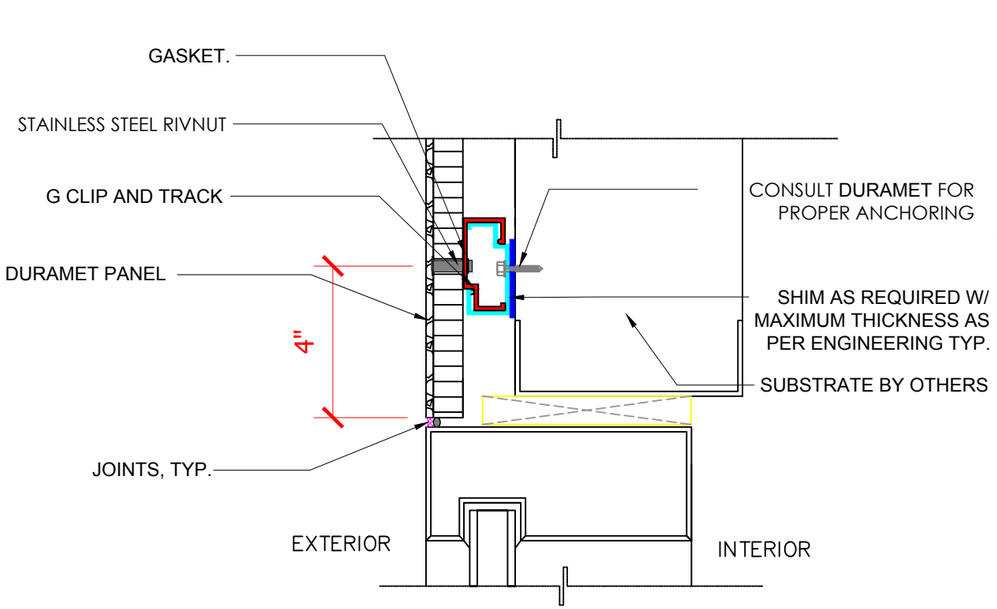
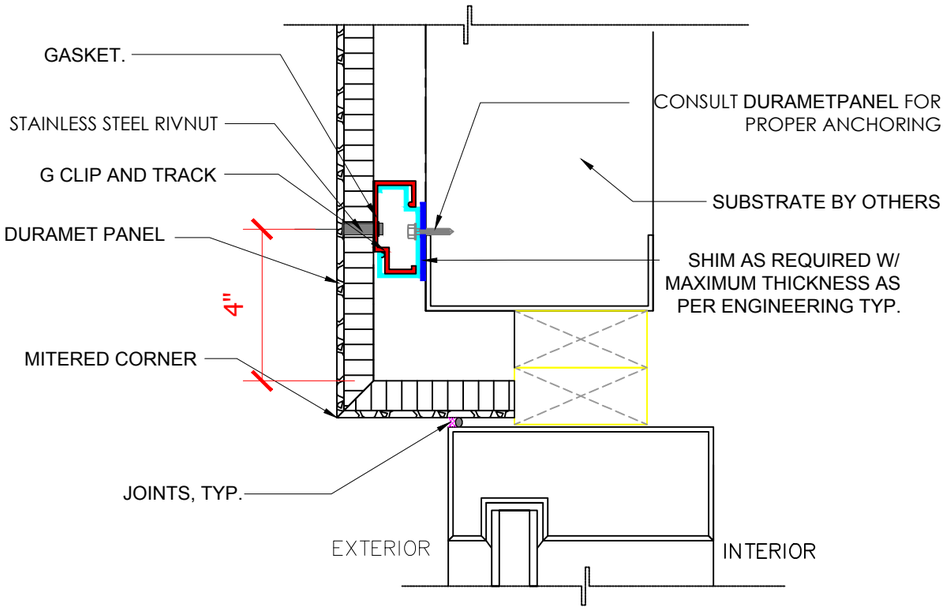
LIGHTWEIGHT STONE PANELS





DURAMET PANEL

TYPICAL WINDIW HEADER DETAIL

HEADER-DETAIL

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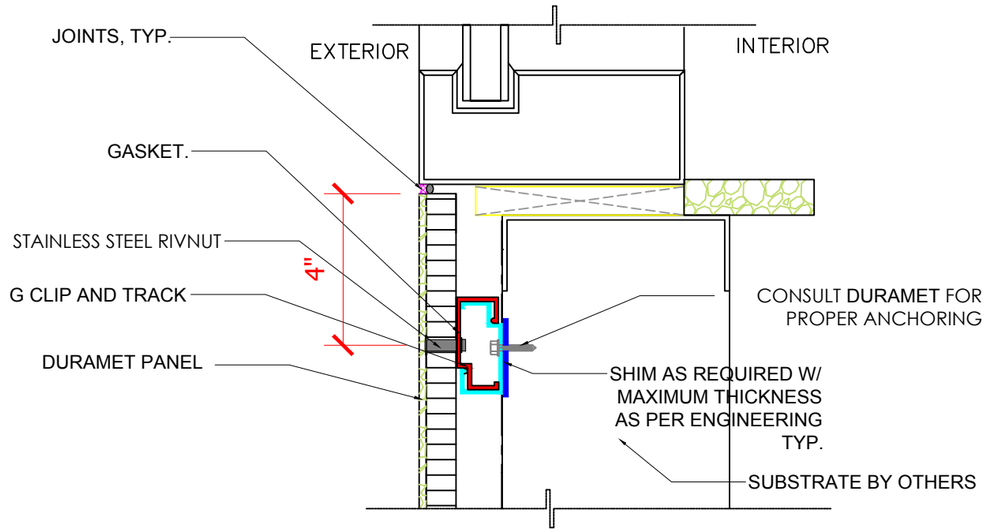

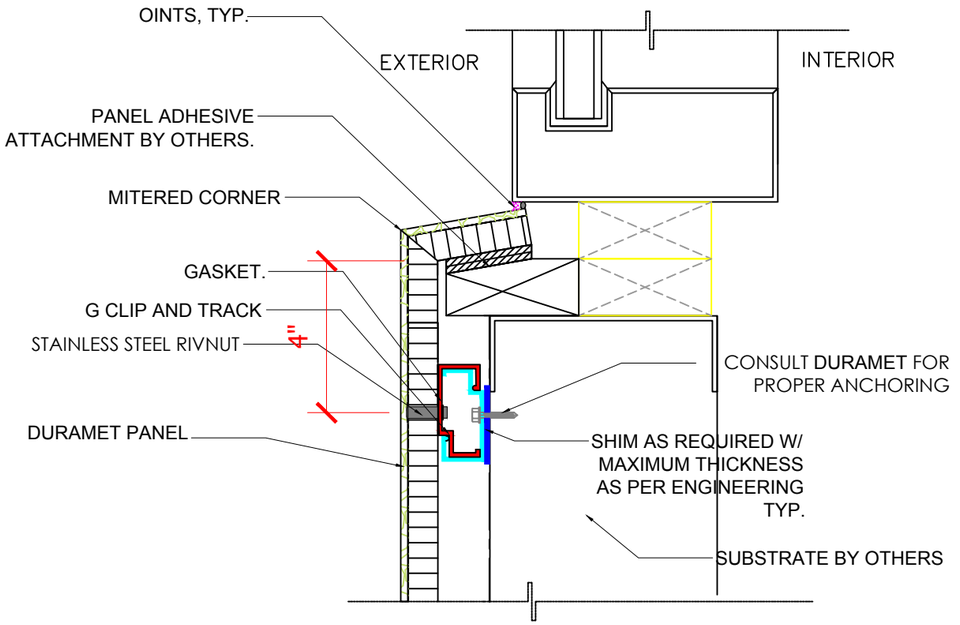

DURAMET PANEL

TYPICAL WINDOW SILL DETAIL

WINDOW-DETAIL

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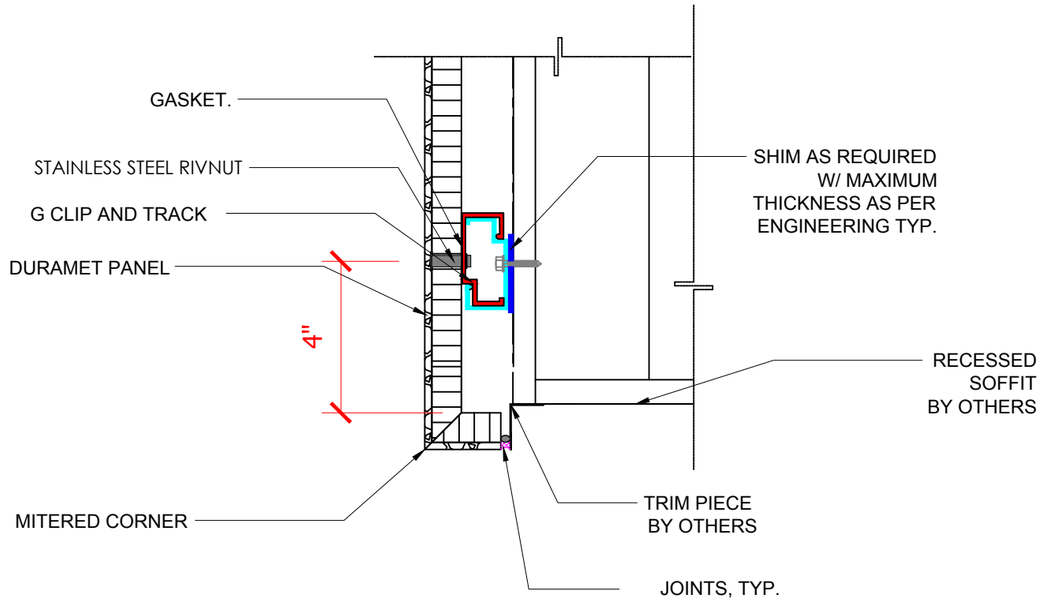

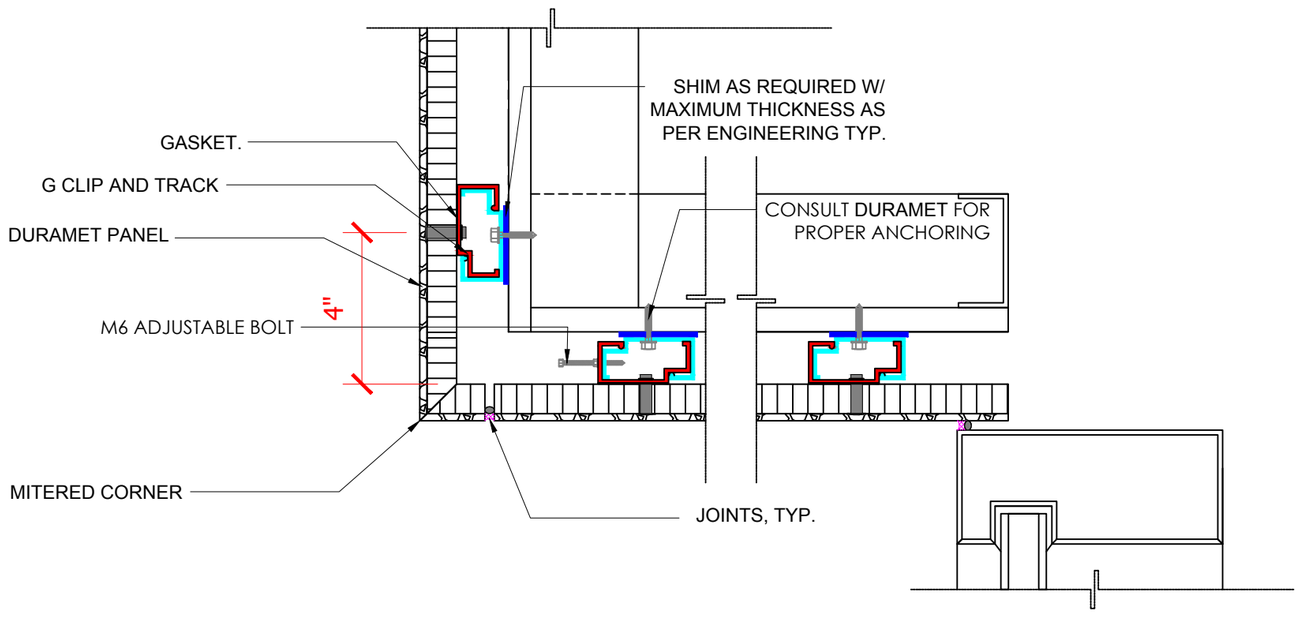

DURAMET PANEL

TYPICAL SOFFIT DETAIL

SOFFIT-DETAIL

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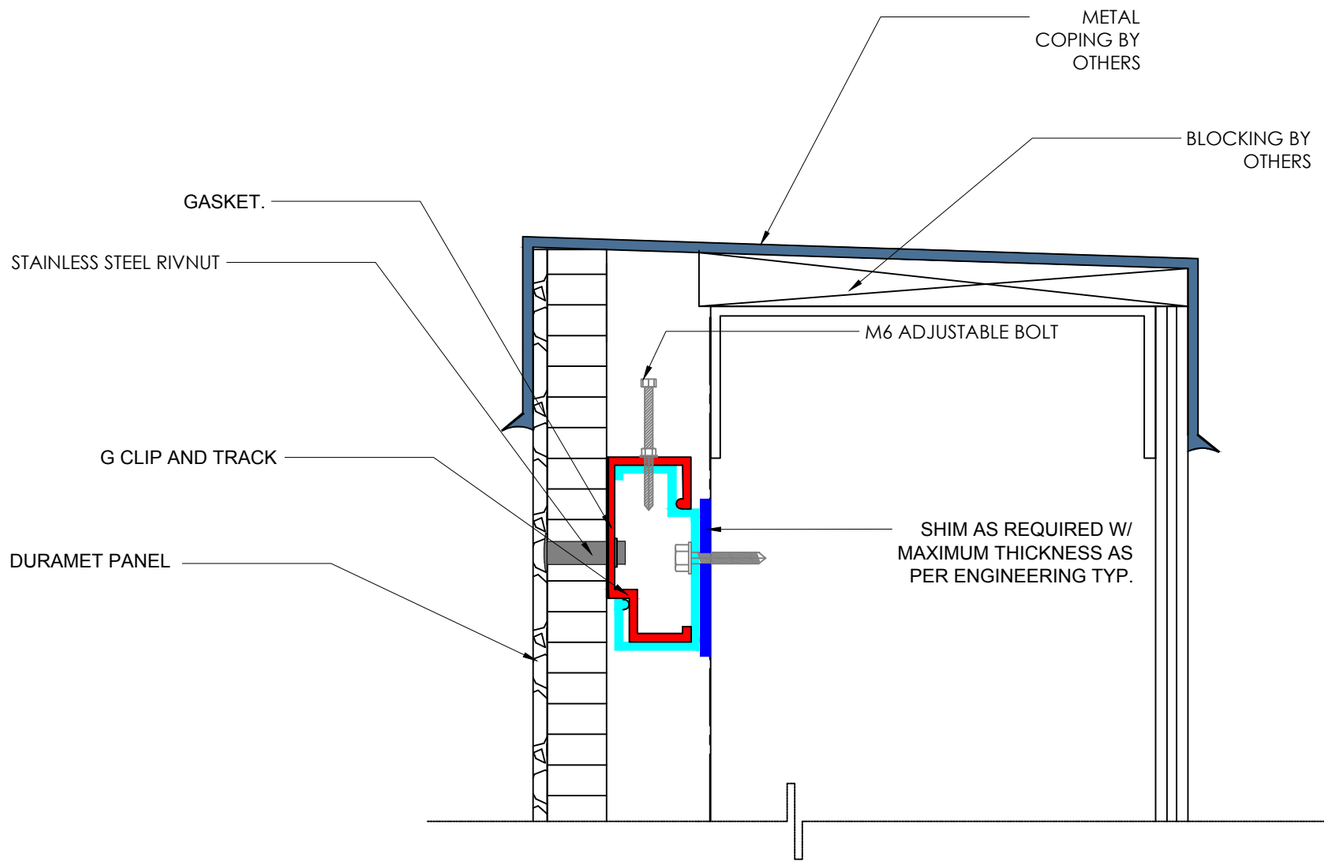

DURAMET PANEL

TYPICAL METAL CAP DETAIL

CAP-DETAIL

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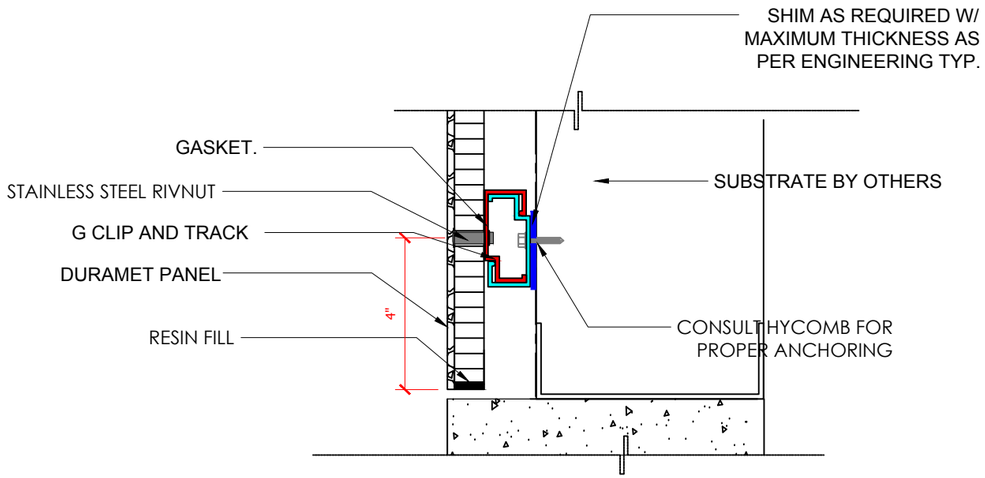

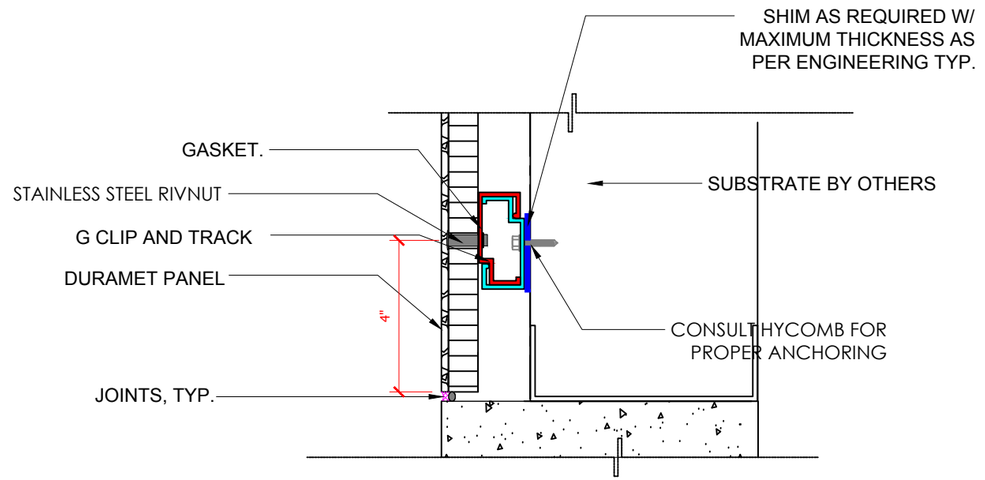

DURAMET PANEL

TYPICAL BOTTOM OF WALL DETAIL

WALL-DETAIL

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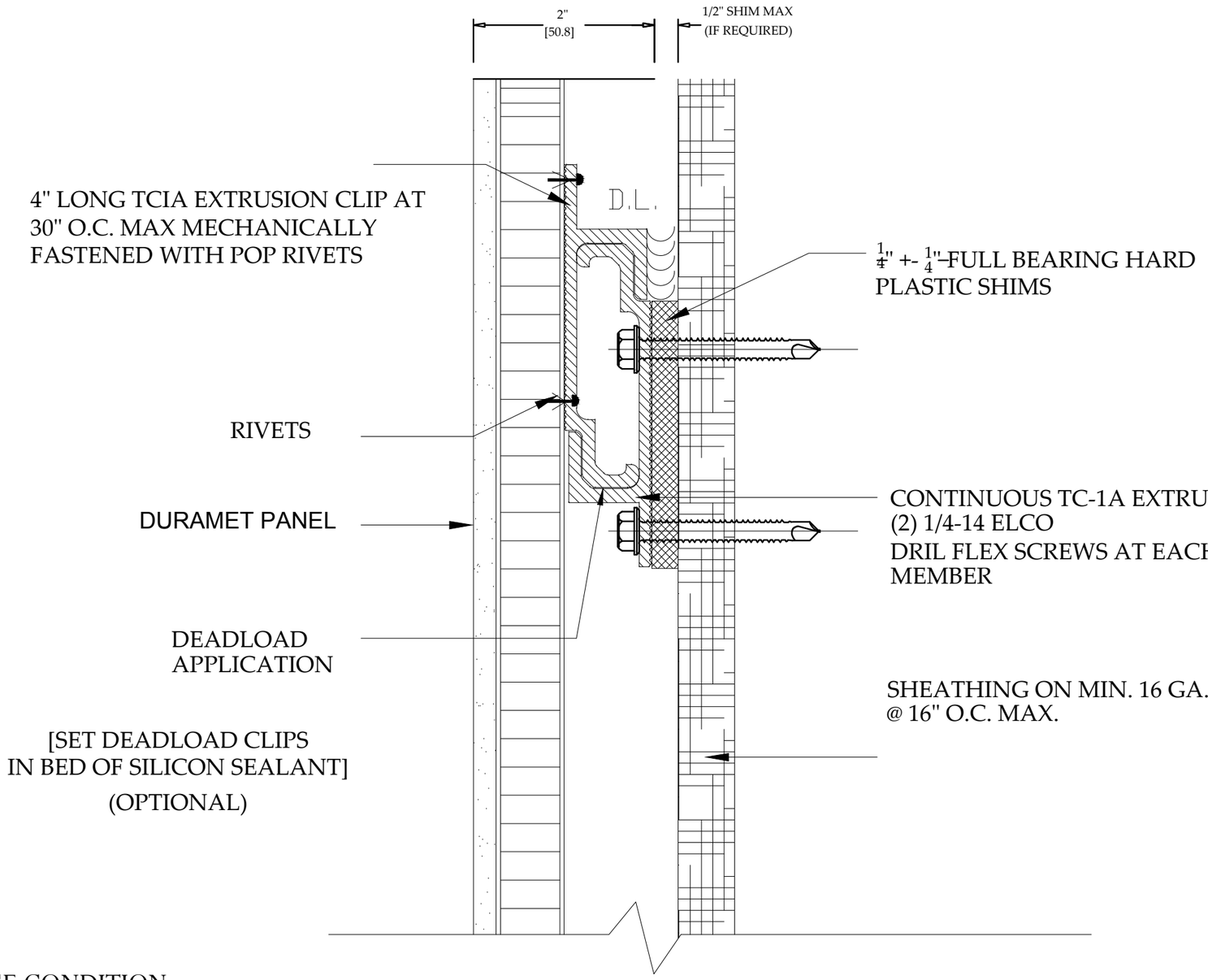

TOP EDGE CONDITION

DURAMET PANEL

TYPICAL BOTTOM OF WALL DETAIL

WALL-DETAIL

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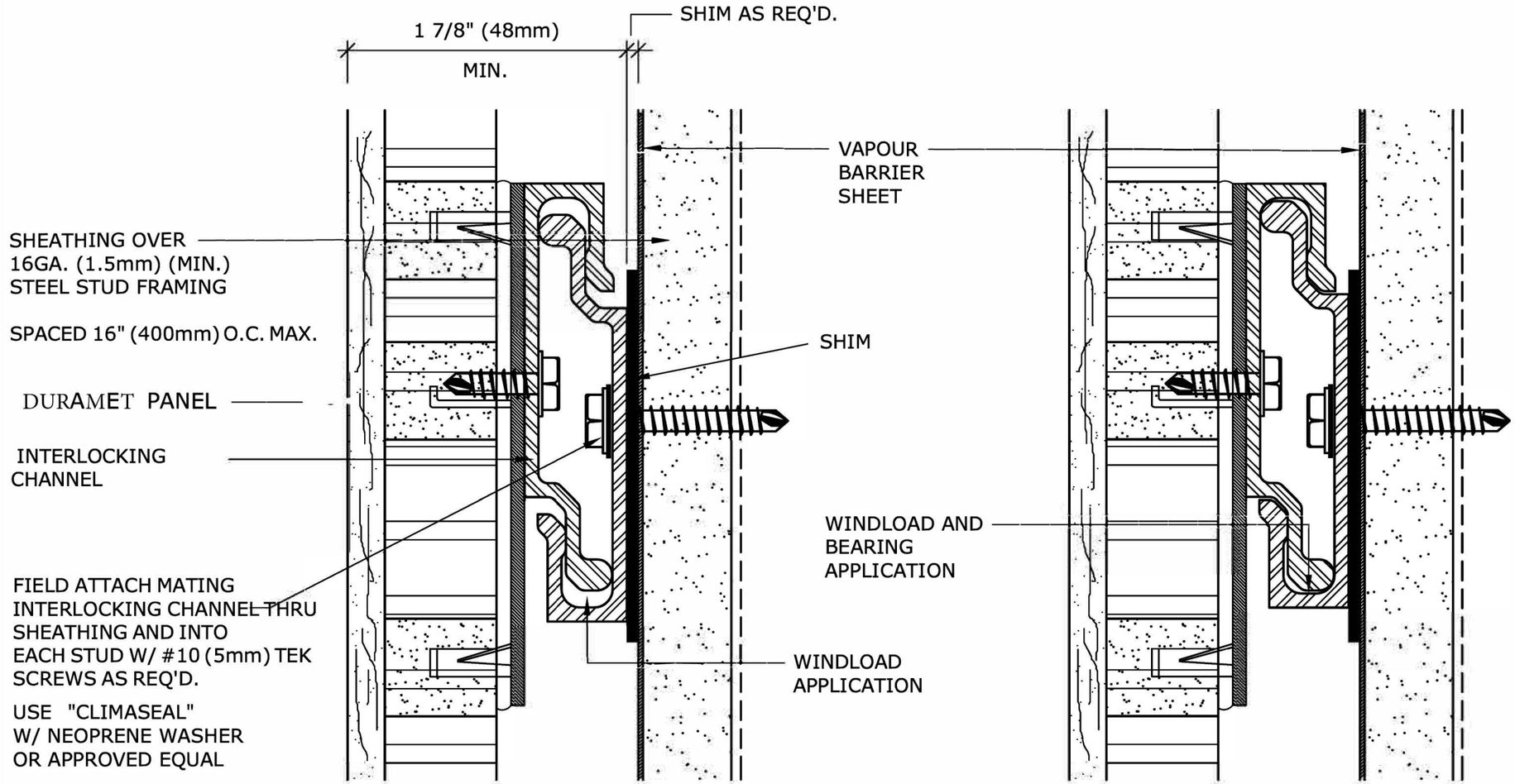


AT CONC./CMU WALLS -
USE COATED TAP-CONS
W/ NEOPRENE WASHER

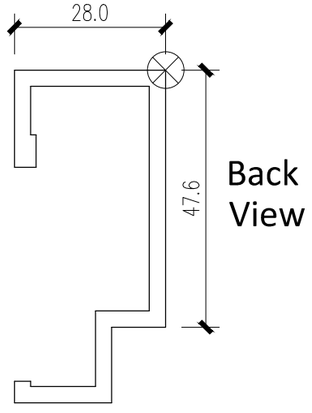
DURAMET PANEL

TYPICAL BOTTOM OF WALL DETAIL

WALL-DETAIL

Drawings of clips for Oceana Breezeway

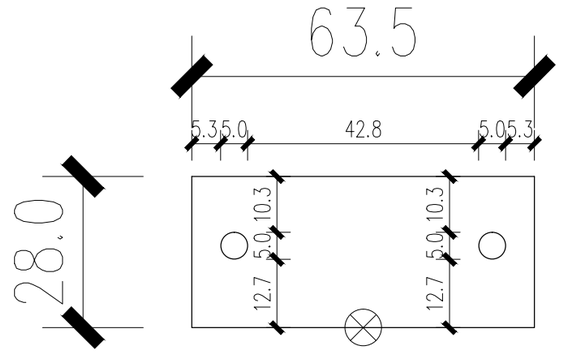
Top View



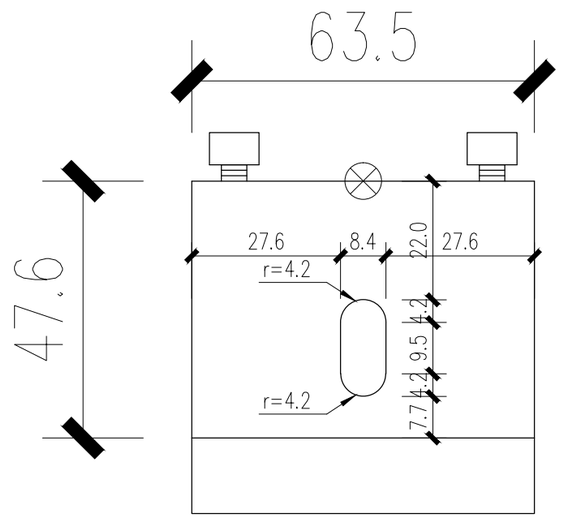
Back View

Section

G1 Clips (for top rows)



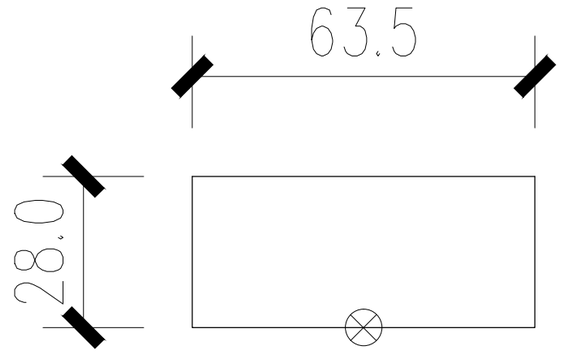
Top View



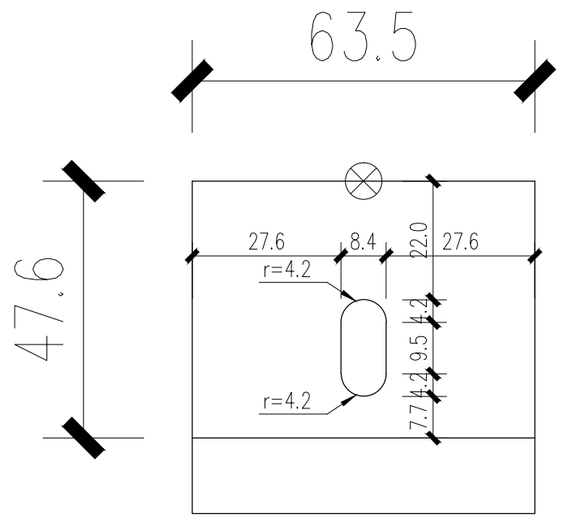
Back View

⊗ Connection with back side

G2 Clips (for other rows)



Top View



Back View

⊗ Connection with back side