M-Energy Panel Installation Manual

June 2019

Installation and designing information on M-Energy Panel

M-SIPs™

GREEN AND FIREPROOF CONSTRUCTION

M-SIPs has deep roots in the innovative design culture of Scandinavia, is now introducing International and American Certified SIPs materials to the American construction market. We're bringing innovative advancements and superior products – products that eliminate the limitations of current materials such as expansion and contraction, rotting, warping and fire hazards. Multi-Panels' full product range includes SIPs,- Energy Panels (Patent Pending process) Fiber Cement Siding, Mgo structural sheathing (non chloride) and XPS shower and tile backer. Our advanced certified concepts and products mix save both time and money by being a true single-material replacement for the two, three and sometimes five layers used in current material practices. These products are the result of years of research, development and certification some in a Patent Pending Processes. They have produced an exceptional track record of quality and efficiency – and provide remarkable labor-saving solutions. With superior-performance products, we are often asked why Multi-Panels is not more expensive than our competitors. The answer is simple: We maintain an innovative mindset not only with our product mix but also with the way we bring those products to market. In short, we have a streamlined value chain with lower overhead… and we pass the resulting savings directly to our clients. Contact us with any questions you may have …

Our product range has been though intensive long term testing and are certified and tested towards both European, North America and Canadian building regulations:

ASTM INTERNATIONAL

ICC ES

CE

CAN/ULC

www.m-sips.com

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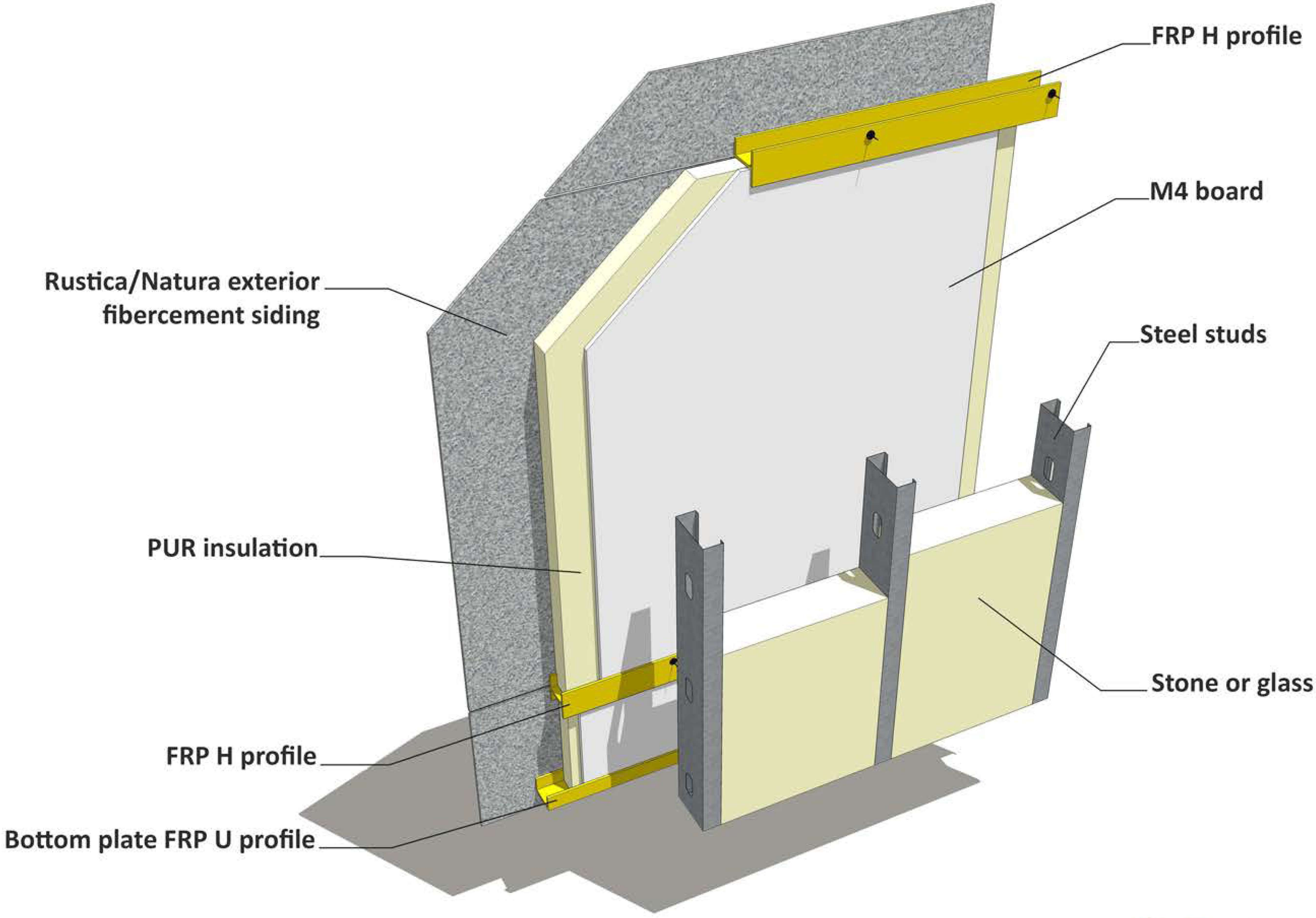
Guidelines for Installation

- Secure project apply to local building code. Engineered details take prescedence over M-SIPs details.
- Preconstruction meeting with your installation crew.
- Inventory materials when you receive according project and order confirmation.
- Check all M-Energy sizes and compare to project drawings before installation.
- Details regarding mastic need to be followed and fill all voids with expanding foam to avoid cold bridging.
- Make sure your horizontal FRP H profile is level and straight.
- Fabricate and pre-install the sliding spline material as specified.
- Do not lift up the M-Energy Panel by the edge of the top skin use, use vacuum lift system as for glass.
- Remove any debris from the FRP profile before you place the M-Energy Panel on it.
- Make sure that the inside M4 facing skin are bearing on the FRP H profile.
- Follow proper screwing requirements and for thermal expansion according to details and job specific engineering.



DETAIL EP 001

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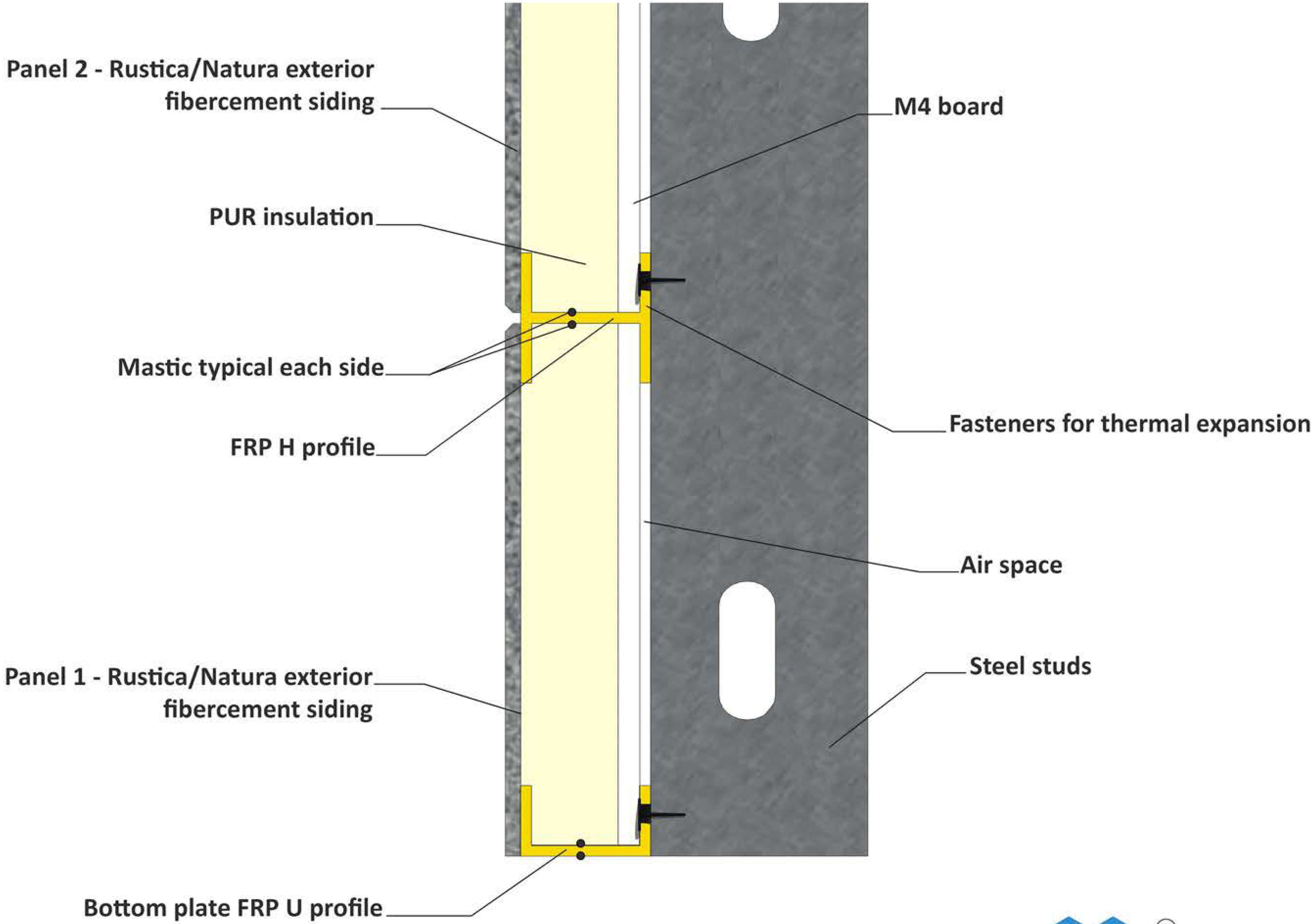

STEEL STUDS DETAIL EP 002

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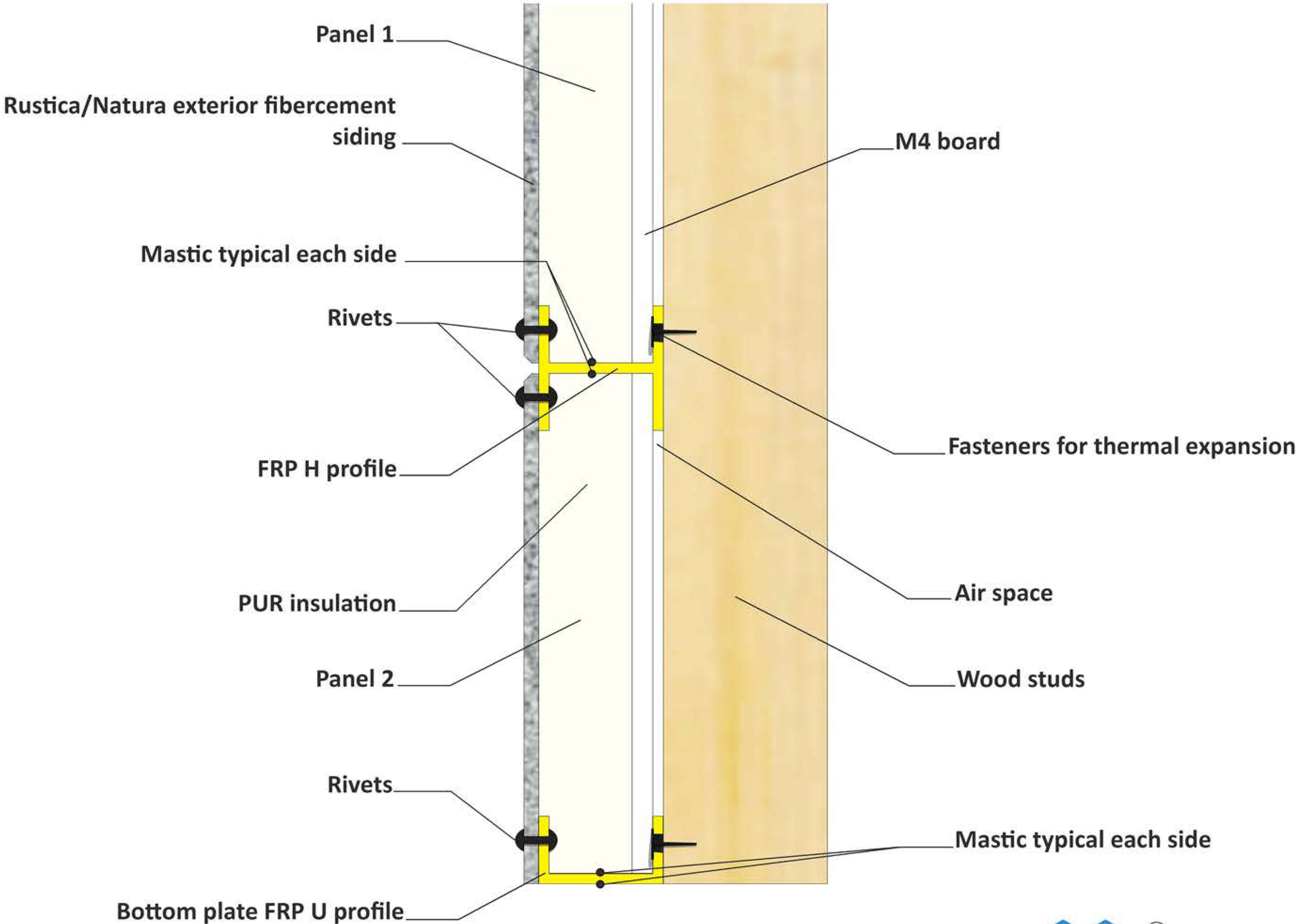

WOOD STUDS AND RIVETS DETAIL EP 003

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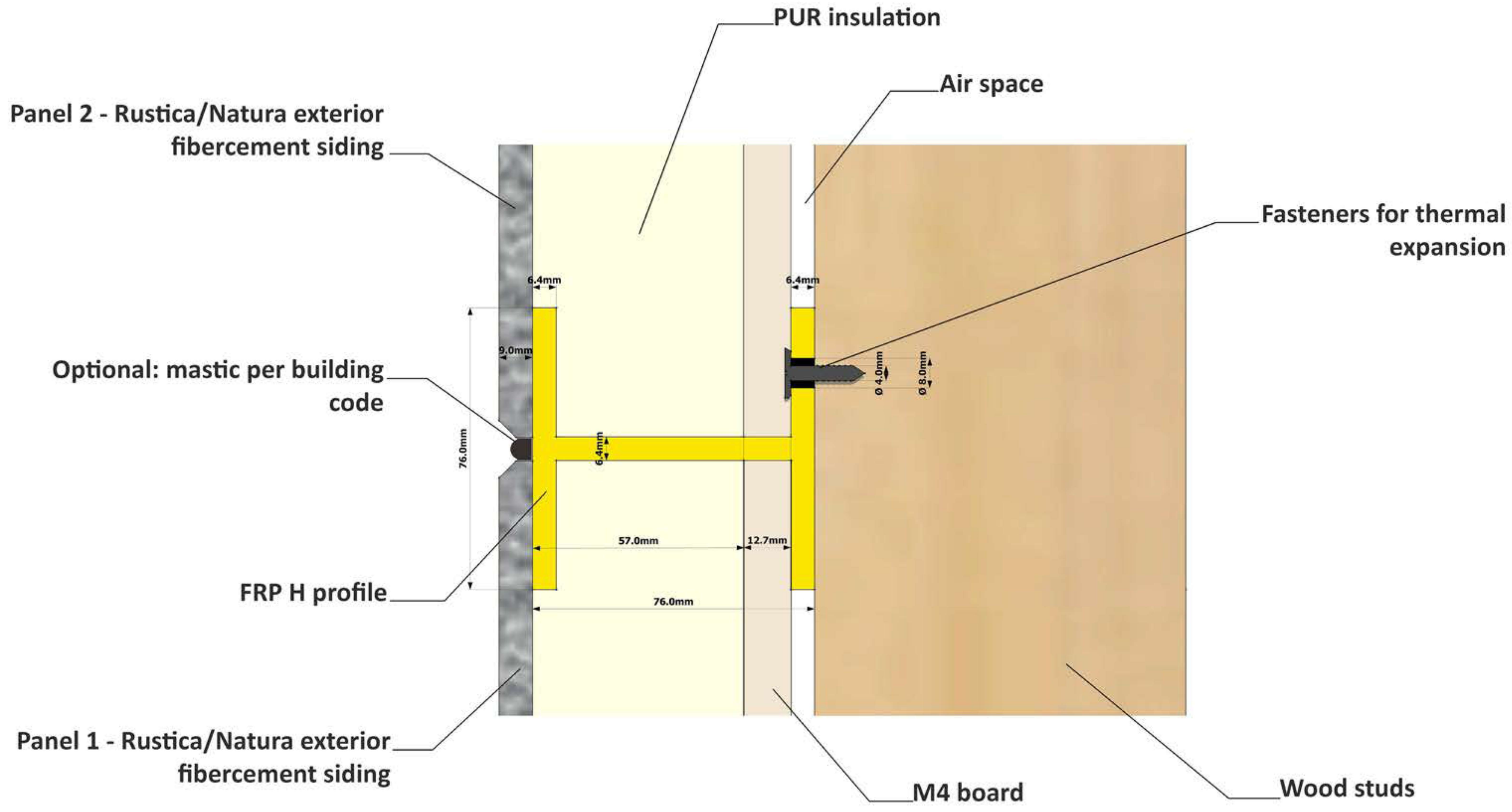

DETAIL EP 004

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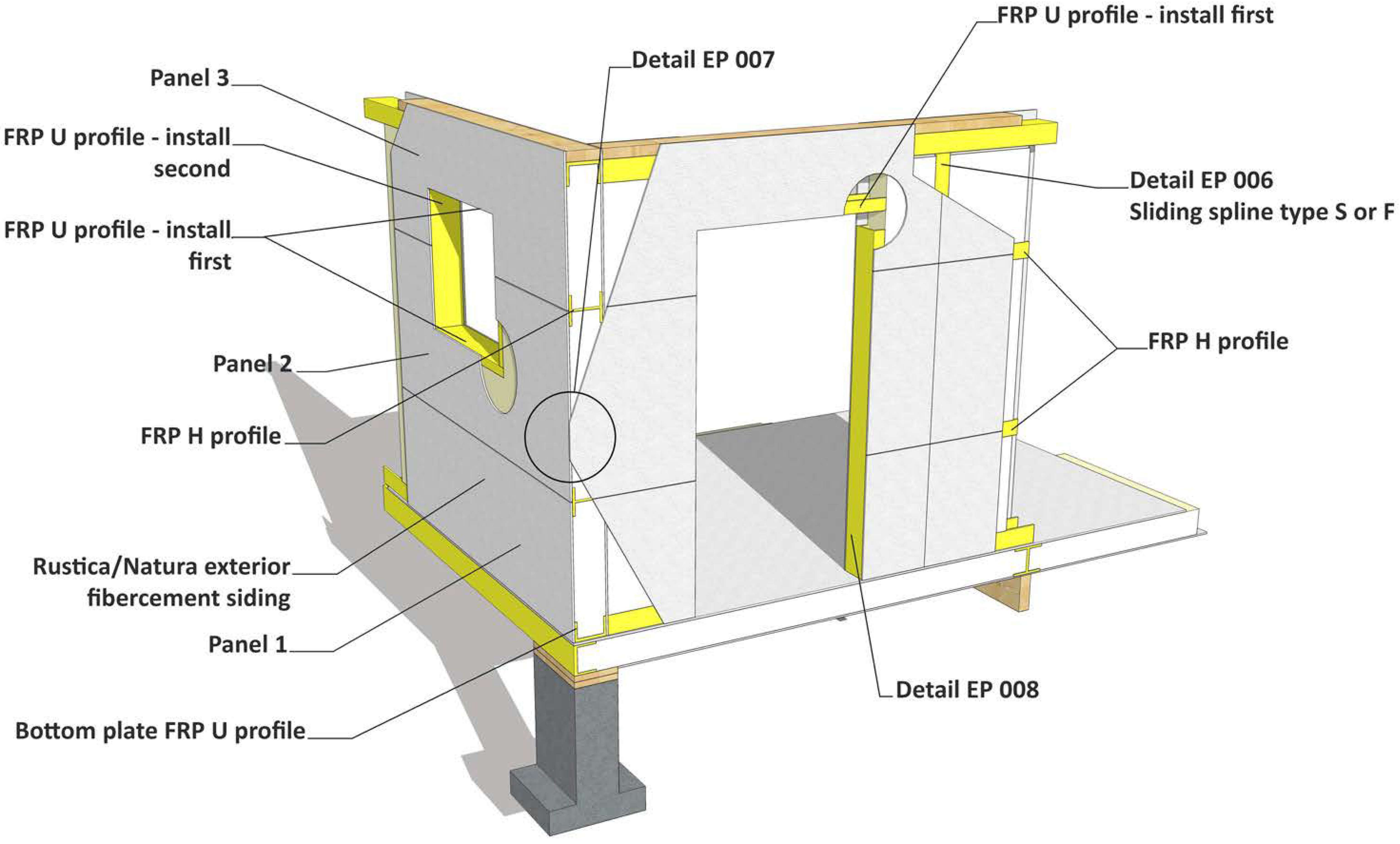

TYPICAL PANEL WALL DETAIL EP 005

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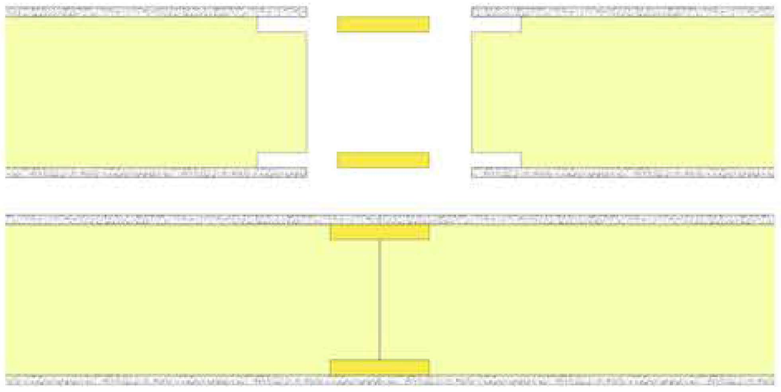
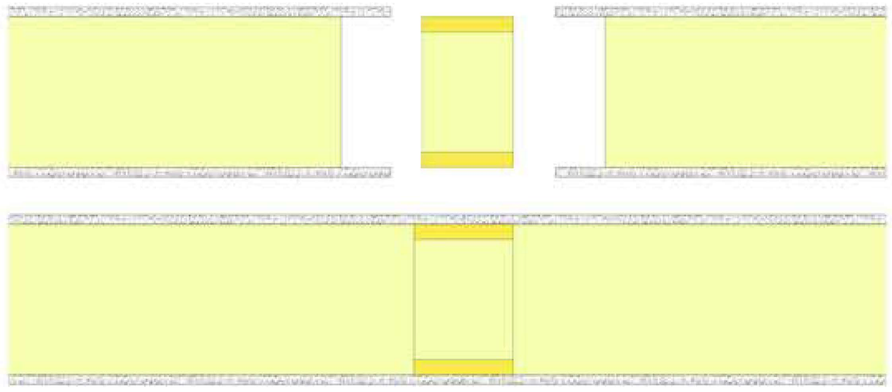
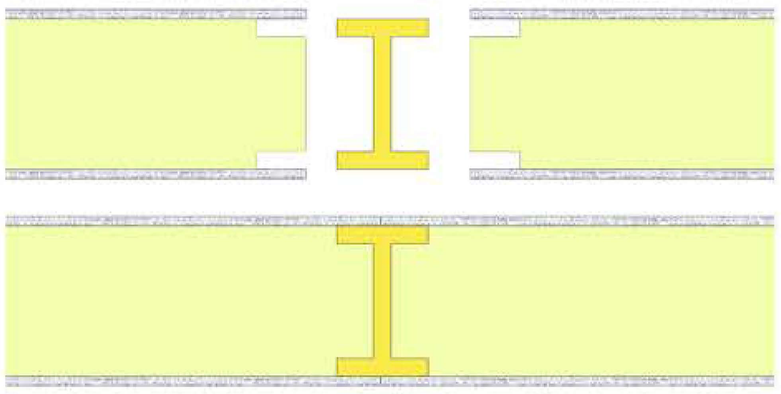


Surface spline (Type S)



Block spline (Type S)



FRP spline (Type F)

VERTICAL SLIDING CONNECTION DETAIL EP 006

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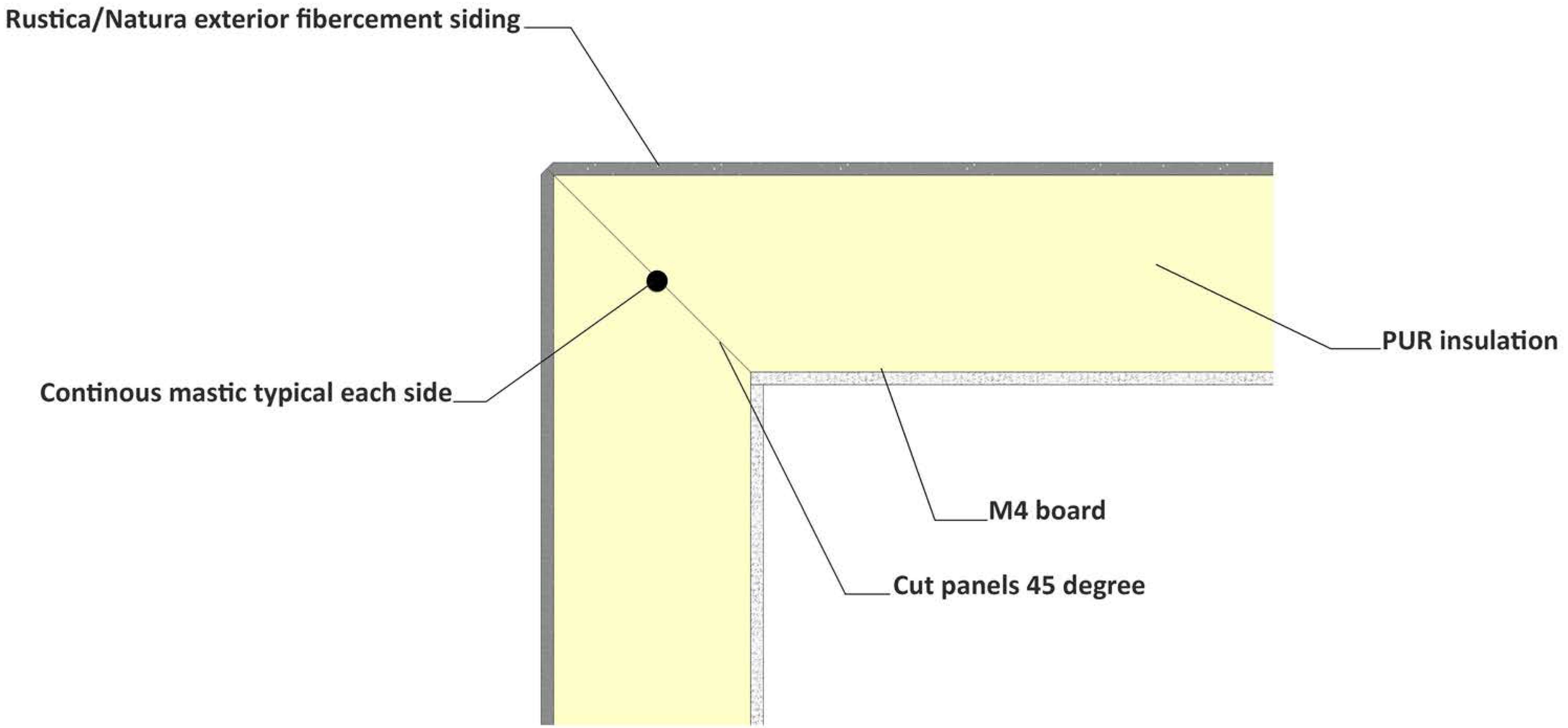

CORNER SECTION DETAIL EP 007

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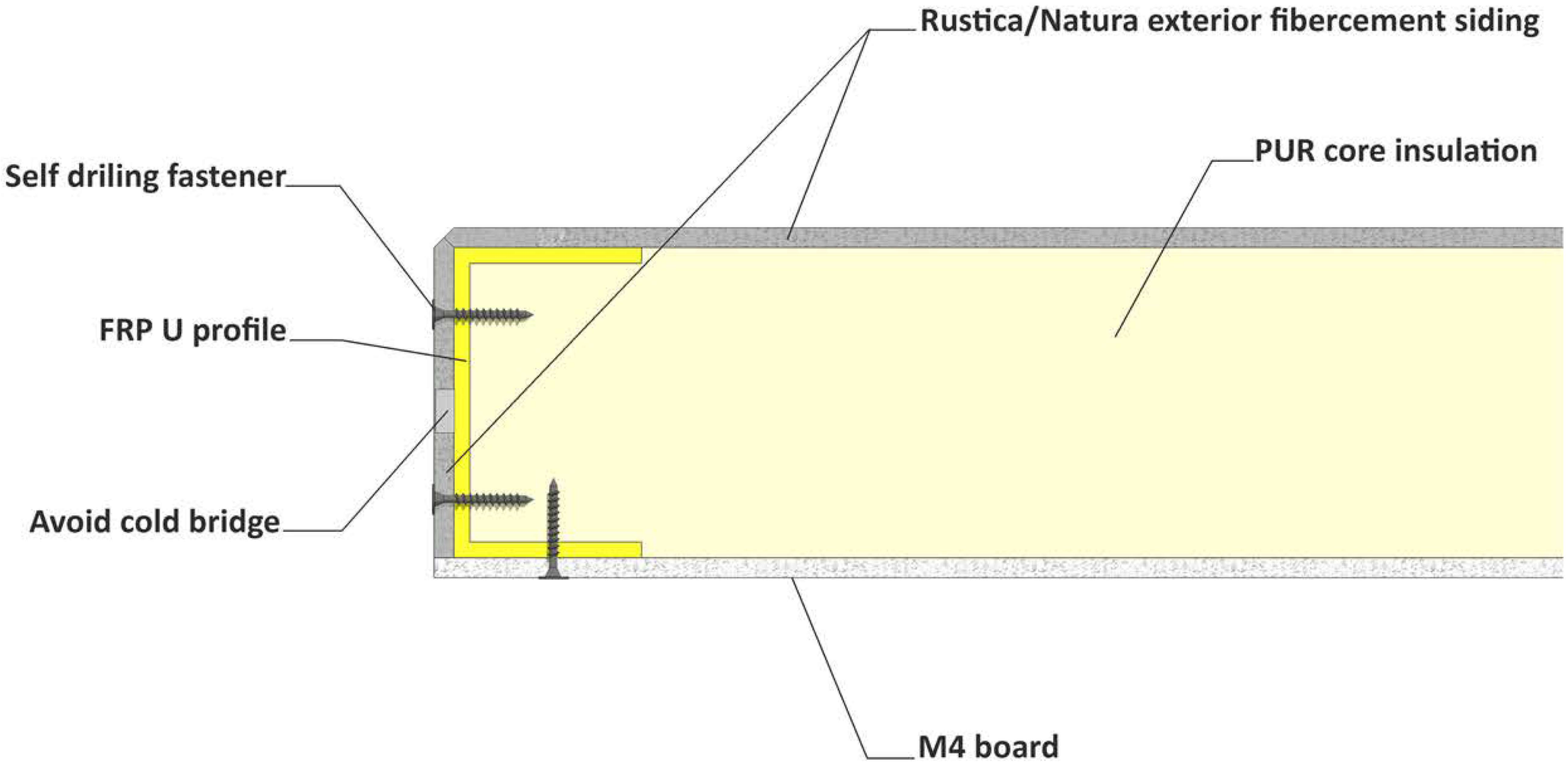

WINDOW/DOOR VERTICAL/HORIZONTAL FRP PROFILE DETAIL EP 008

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