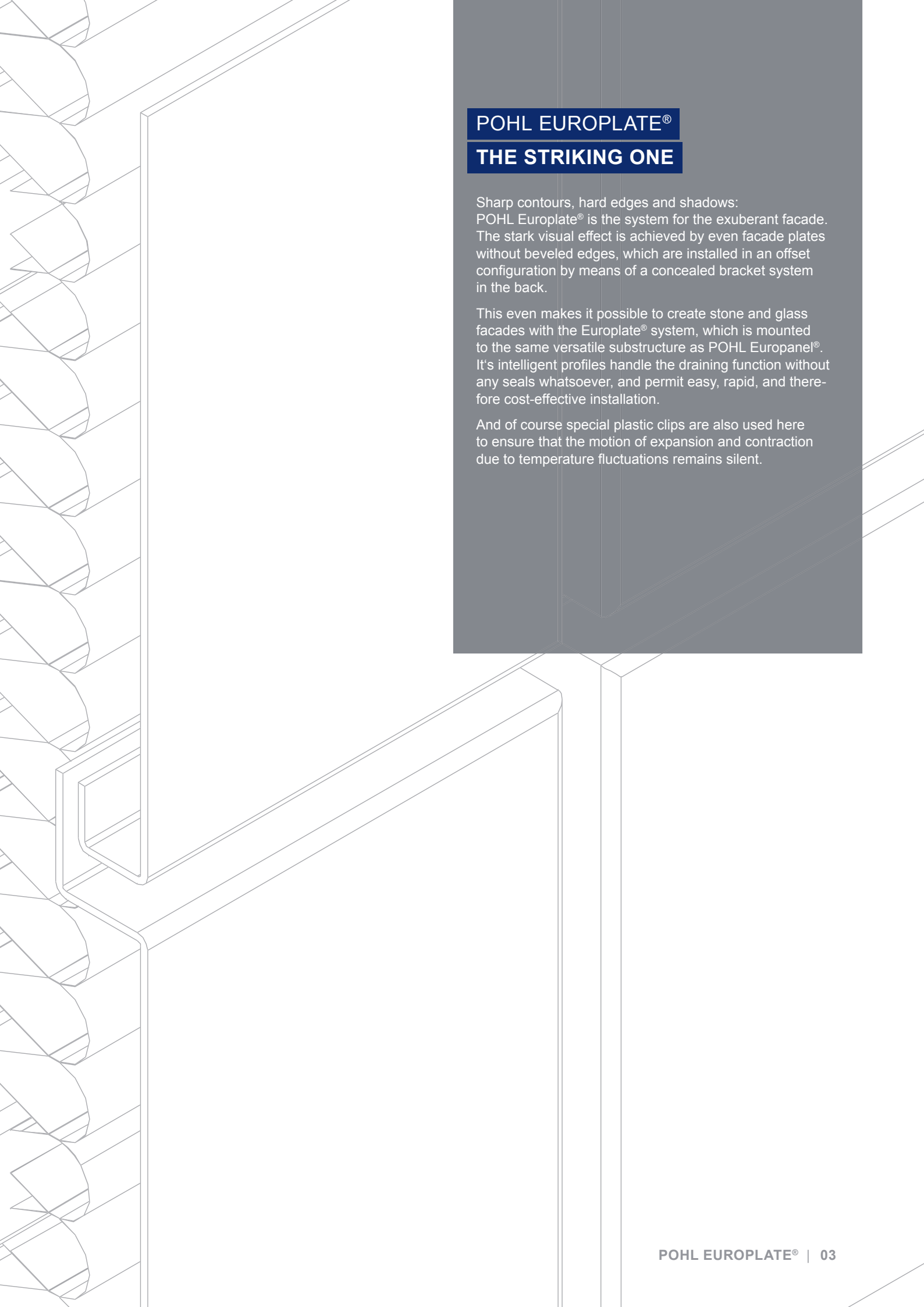
POHL

Competence from tradition since 1856

POHL EUROPLATE® – TECHNICAL MANUAL

Project: *Devon Energy World Headquarters, Oklahoma City, USA*
Architect: *Pickard Chilton Architects Inc.*
Facade system: *POHL Europlate®*
Material: *Aluminum*

Cover: *German Football Museum, Dortmund, Germany*
Architect: *HPP Architekten*
Facade system: *POHL Europlate®*
Material: *Aluminum*



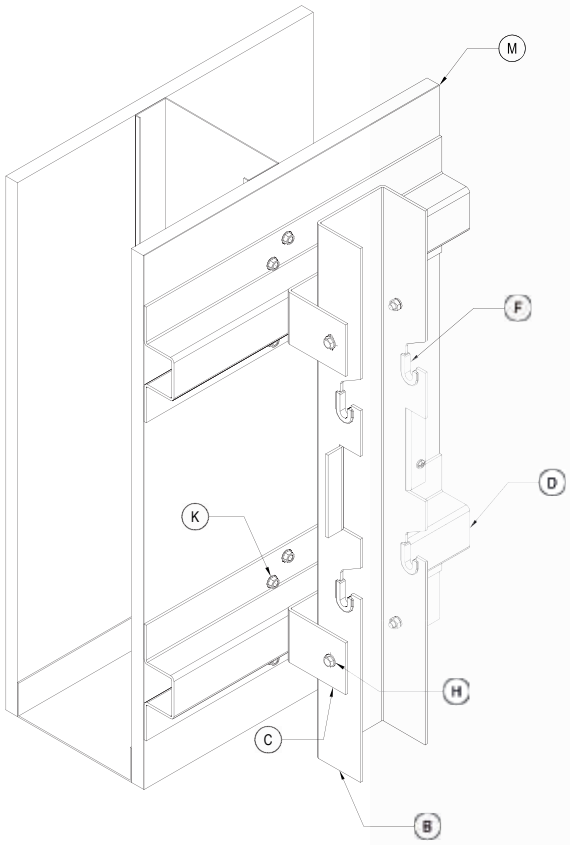
POHL EUROPLATE®

THE STRIKING ONE

Sharp contours, hard edges and shadows:
POHL Europlate® is the system for the exuberant facade. The stark visual effect is achieved by even facade plates without beveled edges, which are installed in an offset configuration by means of a concealed bracket system in the back.

This even makes it possible to create stone and glass facades with the Europlate® system, which is mounted to the same versatile substructure as POHL Europanel®. It‘s intelligent profiles handle the draining function without any seals whatsoever, and permit easy, rapid, and therefore cost-effective installation.

And of course special plastic clips are also used here to ensure that the motion of expansion and contraction due to temperature fluctuations remains silent.



ISOMETRIC VIEW
Europlate® Support System

ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
B	POHL Rainscreen Track
C	POHL Rainscreen Bracket Sized to Suit Project
D	Subgirt Channel Sized to Suit Project
E	POHL Return Pin
F	POHL Clip (Isolator)
G	ø 4.8 mm x 13 mm PH Screw – Typical
H	M6 x 16 mm Bolt w/Nut – Typical
K	ø 6.3 mm x 25 mm HWH Drill-flex Screw (Sealed) – Typical
L	Insulation Per Project Requirements
M	Air & Water Membrane
N	External Sheeting
P	Metal Stud Framing Minium 16 gauge
Q	Concrete
R	Glazing System by Others
S	POHL Aluminum Buttstrap Profile
T	Aluminum Angle Trim
U	M6 x 10 mm Stud Bolt w/Nut
W	Aluminum Panel Sub-Frame

POHL
Headquarter | Robert-Bosch-Str. 6 | 50769 Cologne | Germany
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Drawing Nr.
D-01(3D)
Date: OKT-2015

POHL Europlate® System

TYPICAL DETAIL | Cross Joint - 3D CAD FILE

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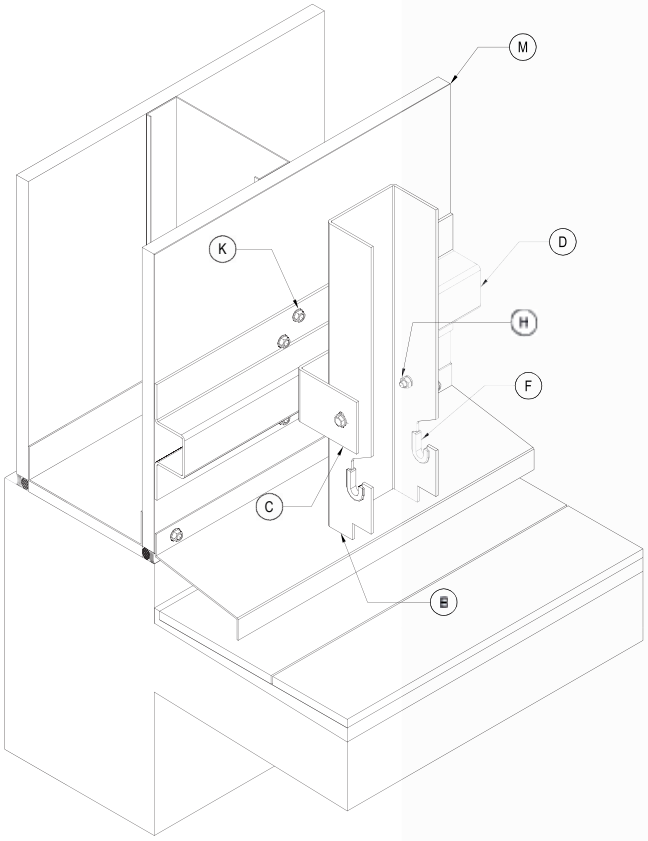
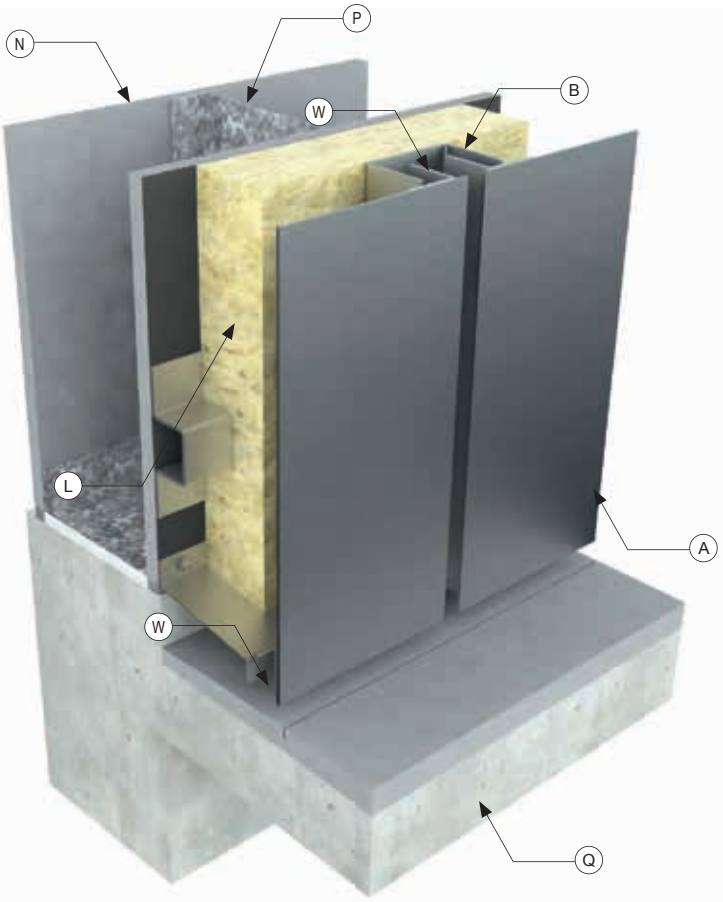


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
B	POHL Rainscreen Track
C	POHL Rainscreen Bracket Sized to Suit Project
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Drawing Nr.
D-02(3D)
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POHL Europlate® System

TYPICAL DETAIL | Sill - 3D CAD FILE

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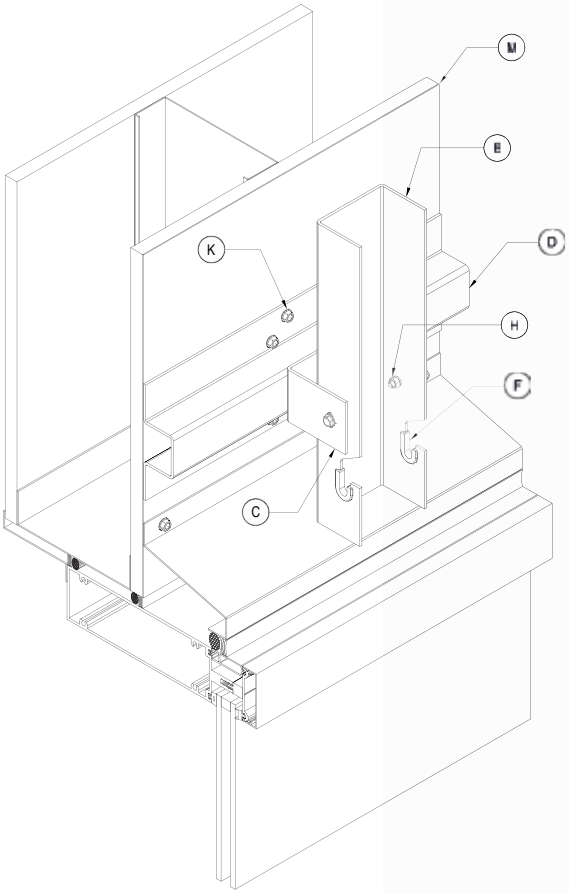
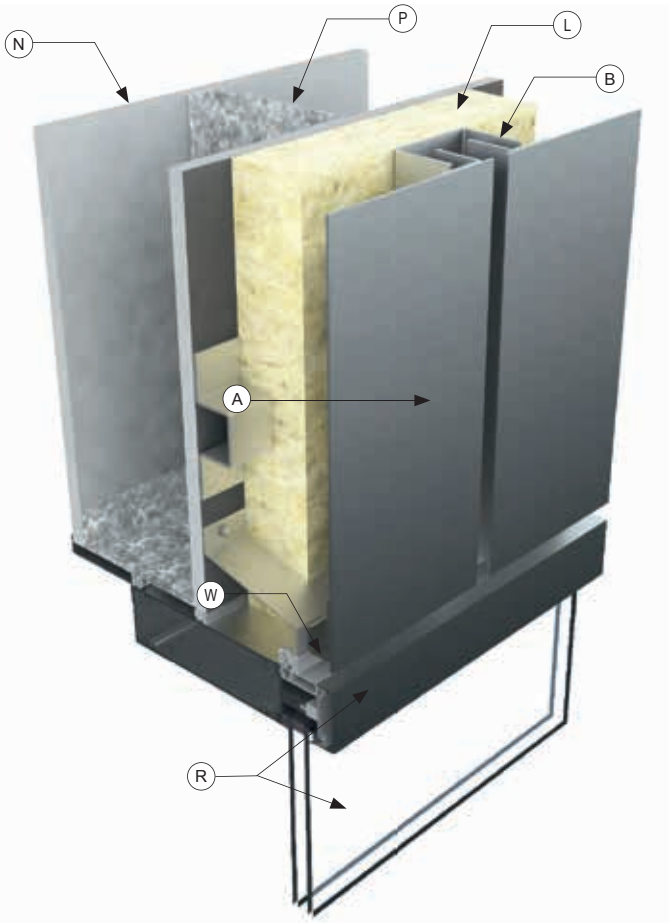


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
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C	POHL Rainscreen Bracket Sized to Suit Project
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Drawing Nr.
D-03(3D)
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POHL Europlate® System

TYPICAL DETAIL | Glazing Head - 3D CAD FILE

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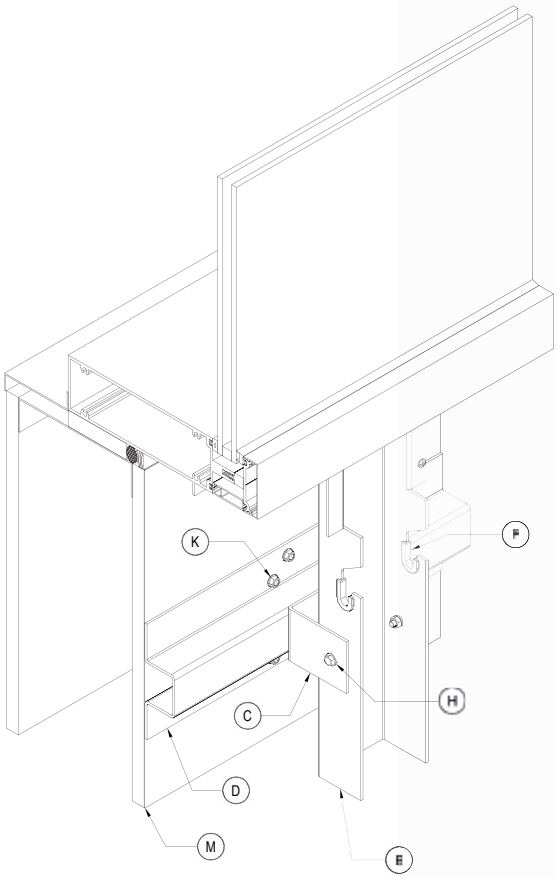
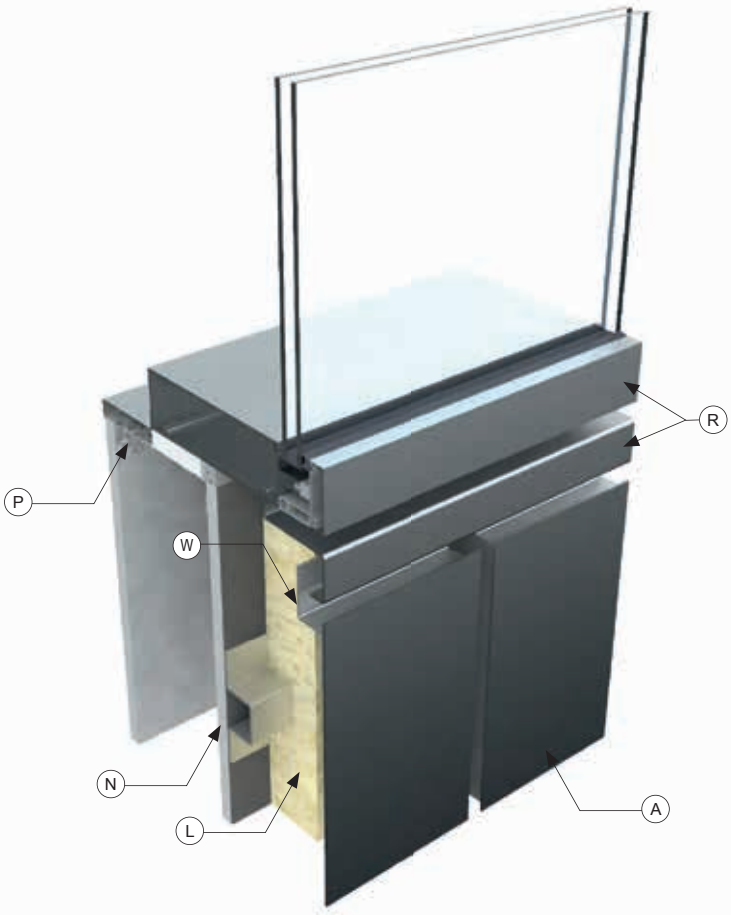


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

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Drawing Nr.
D-04(3D)
Date: OKT-2015

POHL Europlate® System

TYPICAL DETAIL | Glazing Sill - 3D CAD FILE

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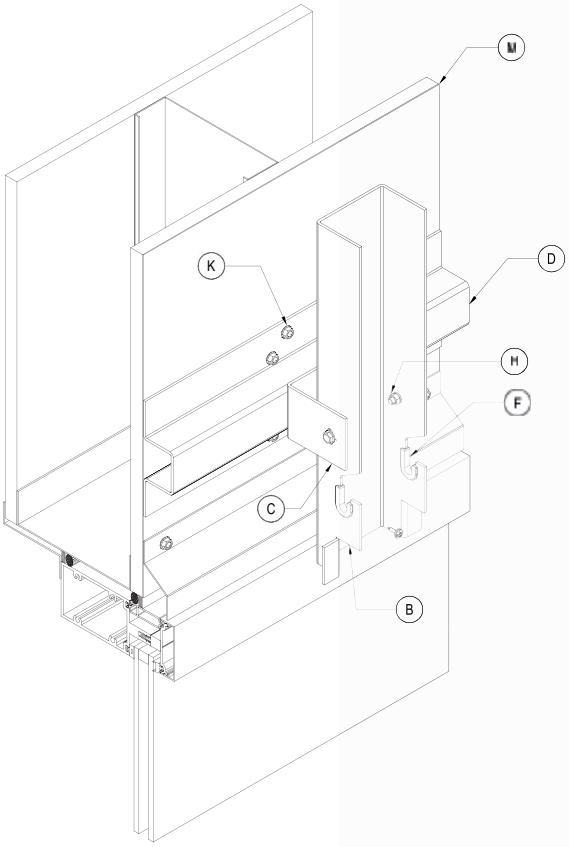
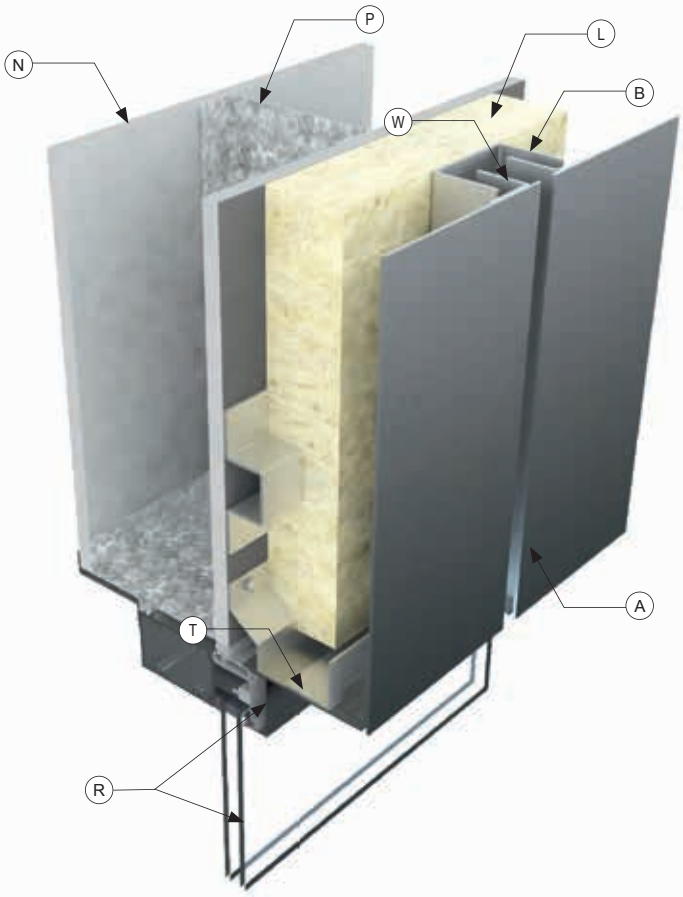


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

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A	POHL Rainscreen Panel
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D-05(3D)
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TYPICAL DETAIL | Glazing Head - 3D CAD FILE

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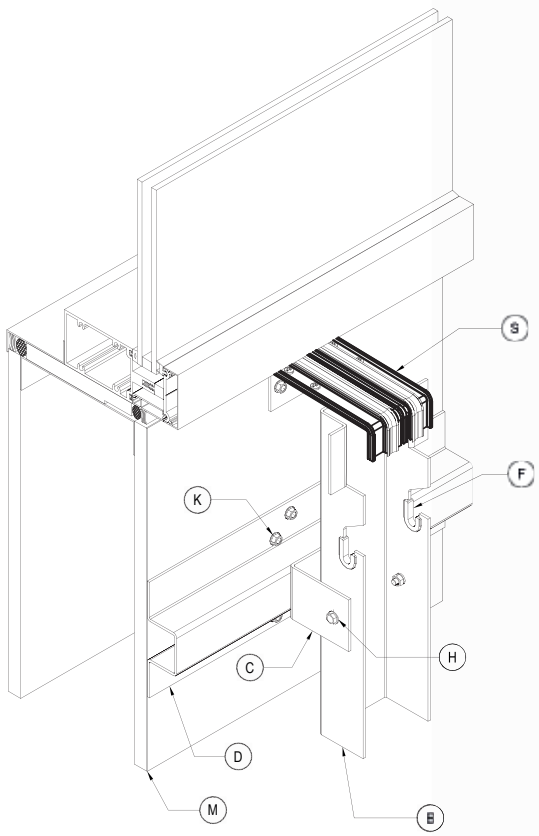
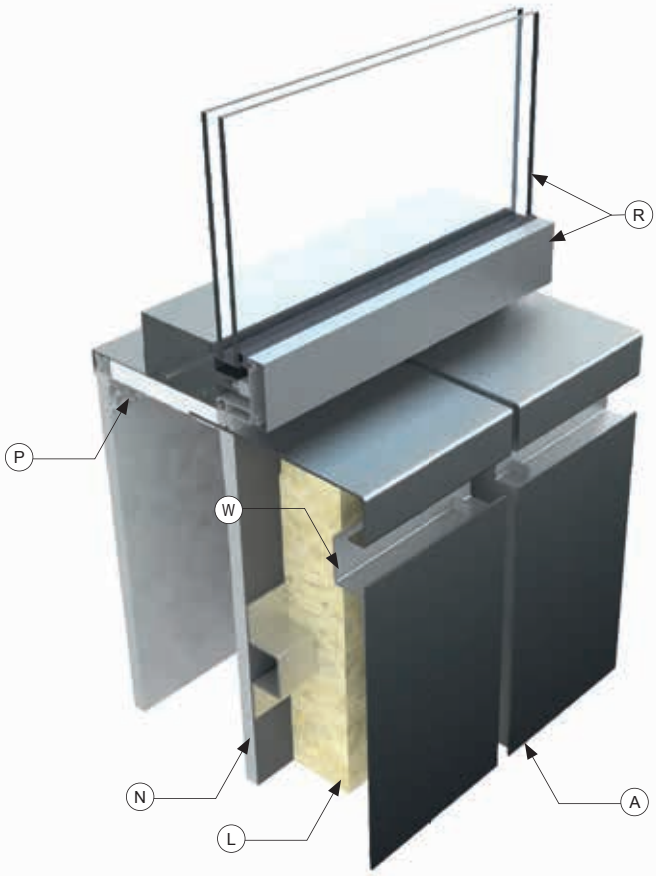


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
B	POHL Rainscreen Track
C	POHL Rainscreen Bracket Sized to Suit Project
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Drawing Nr.
D-06(3D)
Date: OKT-2015

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TYPICAL DETAIL | Glazing Sill - 3D CAD FILE

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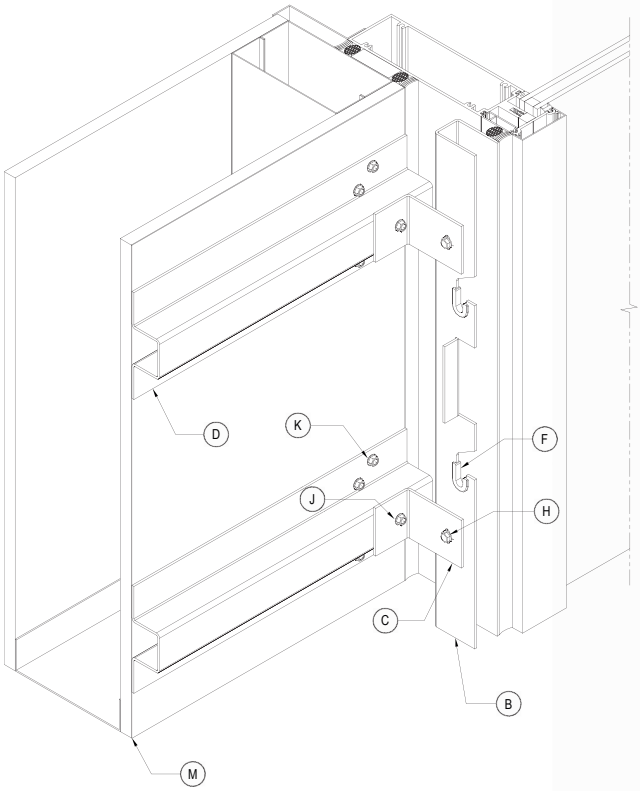
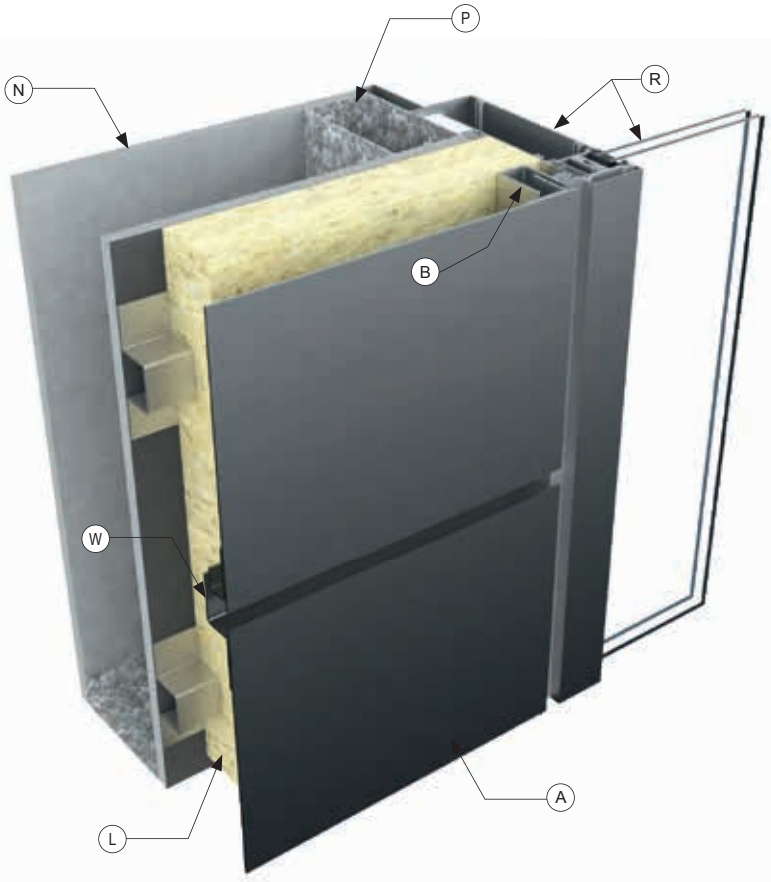


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
B	POHL Rainscreen Track
C	POHL Rainscreen Bracket Sized to Suit Project
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D-07(3D)
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TYPICAL DETAIL | Glazing Jamb - 3D CAD FILE

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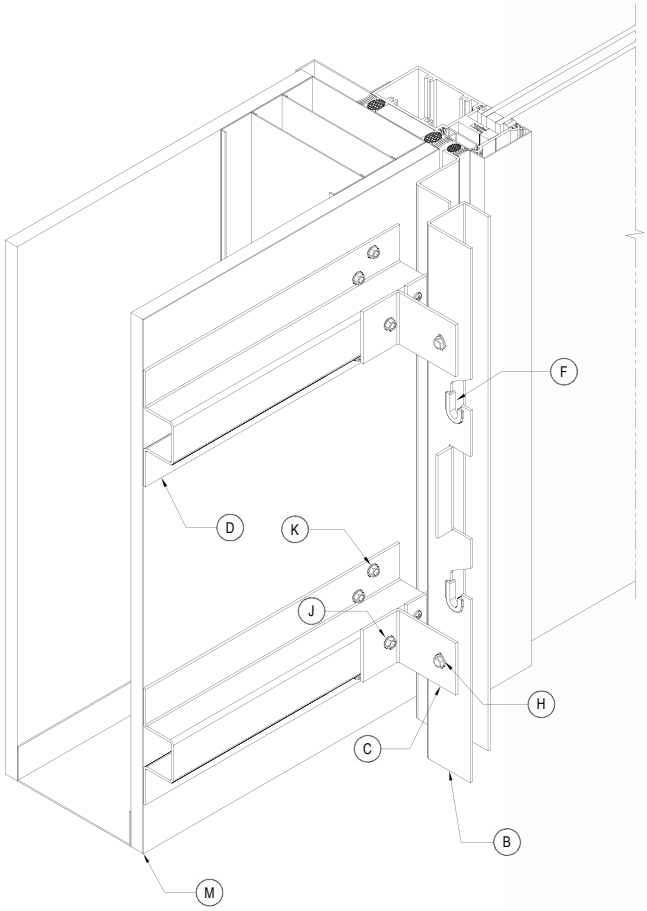
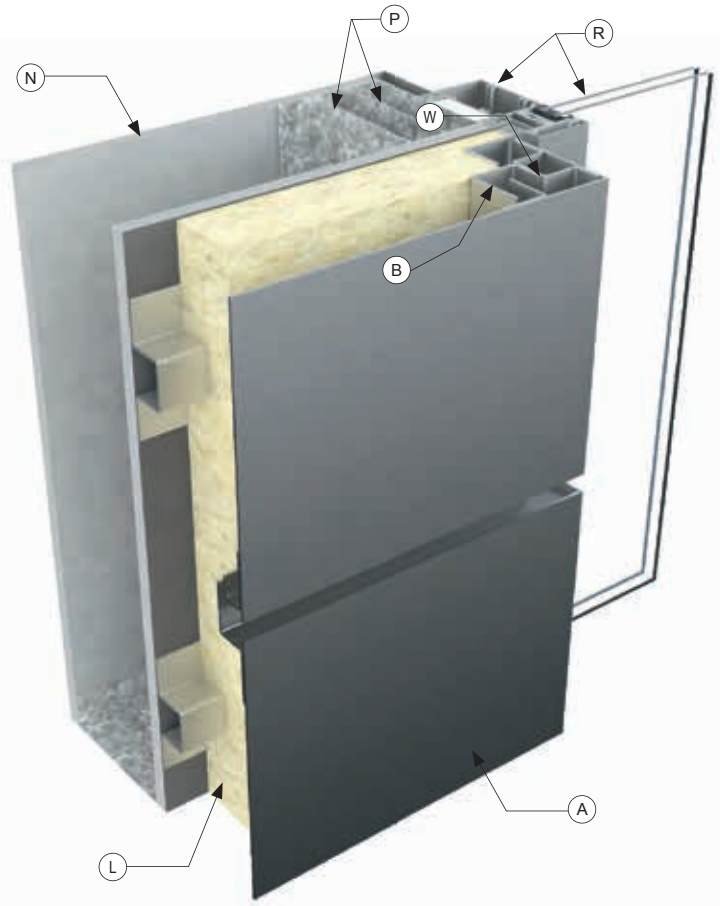


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
B	POHL Rainscreen Track
C	POHL Rainscreen Bracket Sized to Suit Project
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Drawing Nr.
D-08(3D)
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TYPICAL DETAIL | Glazing Jamb - 3D CAD FILE

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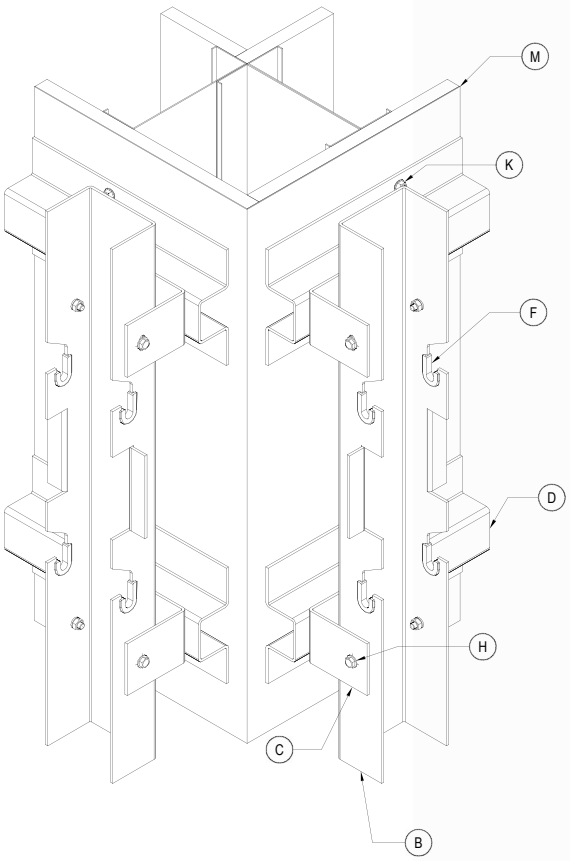

ISOMETRIC VIEW
Europlate® Support System

ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
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Drawing Nr.
D-09(3D)
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TYPICAL DETAIL | Outside Corner - 3D CAD FILE

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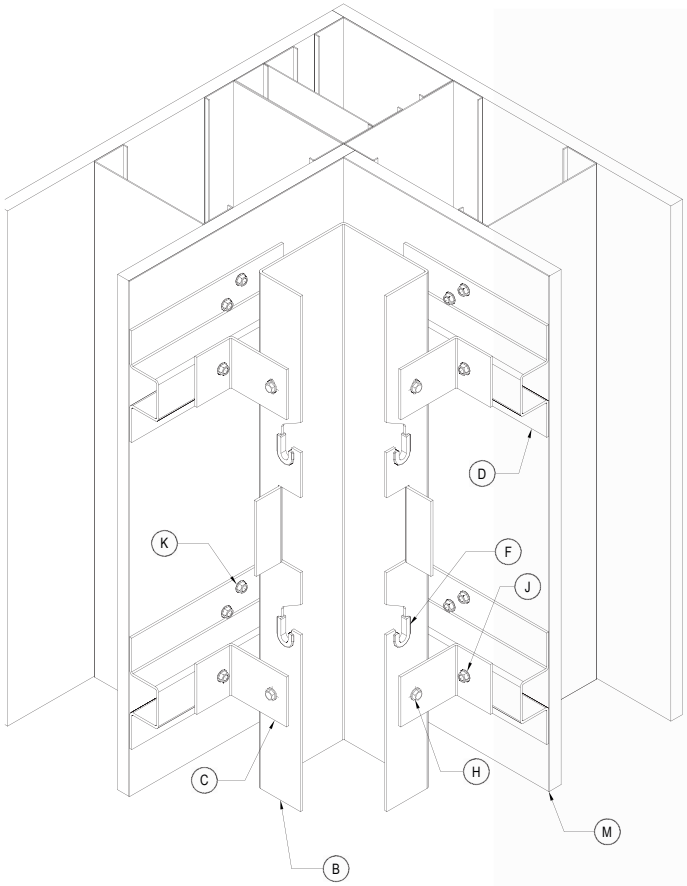
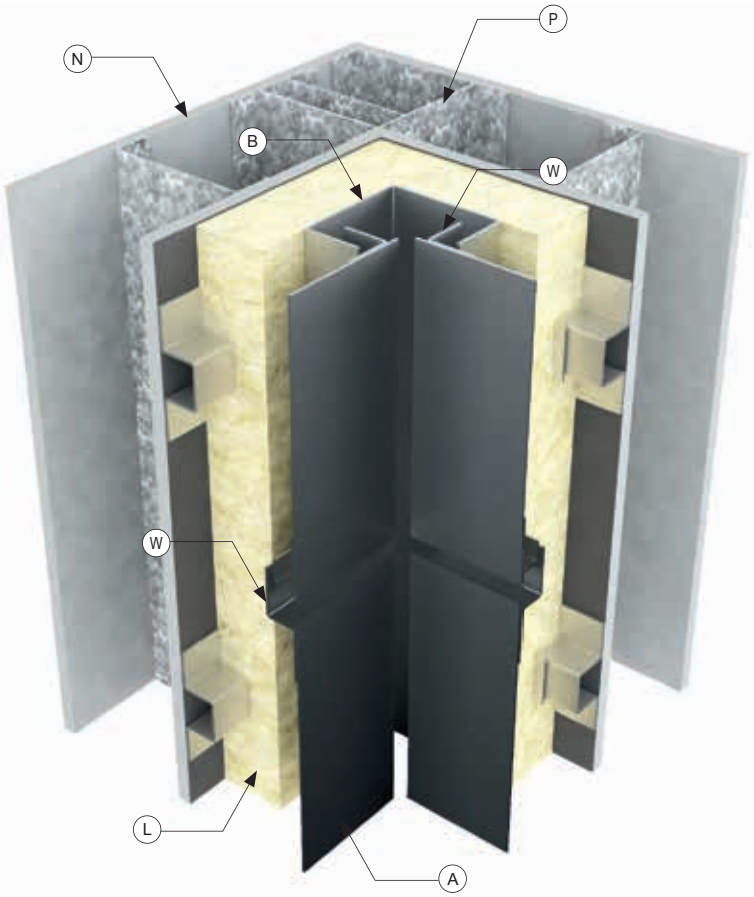


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
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C	POHL Rainscreen Bracket Sized to Suit Project
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Drawing Nr.
D-10(3D)
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POHL Europlate® System

TYPICAL DETAIL | Inside Corner - 3D CAD FILE

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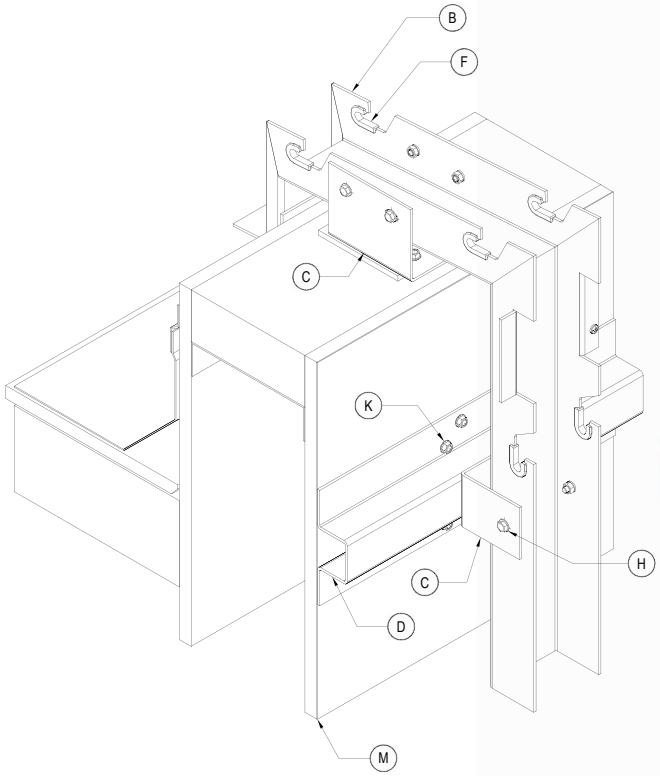

ISOMETRIC VIEW
Europlate® Support System

ISOMETRIC VIEW
Europlate® Cladding System

REF	Legend
A	POHL Rainscreen Panel
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Drawing Nr.
D-11(3D)
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POHL Europlate® System

TYPICAL DETAIL | Parapet - 3D CAD FILE

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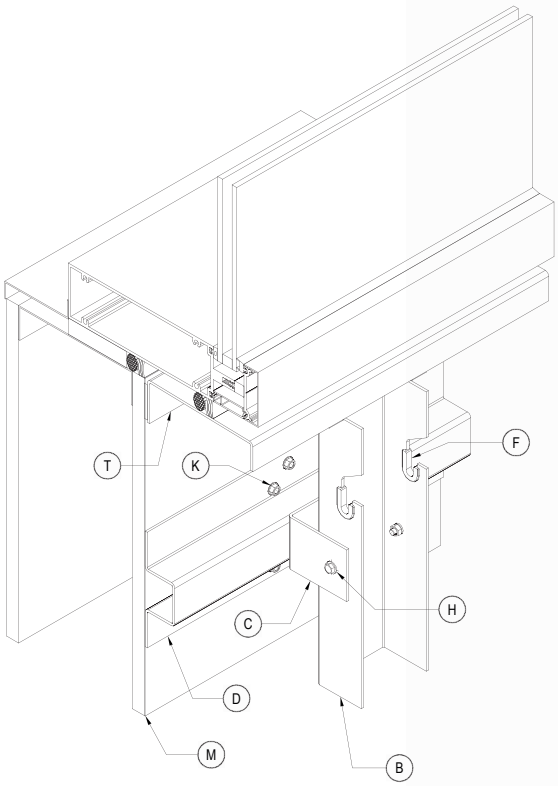
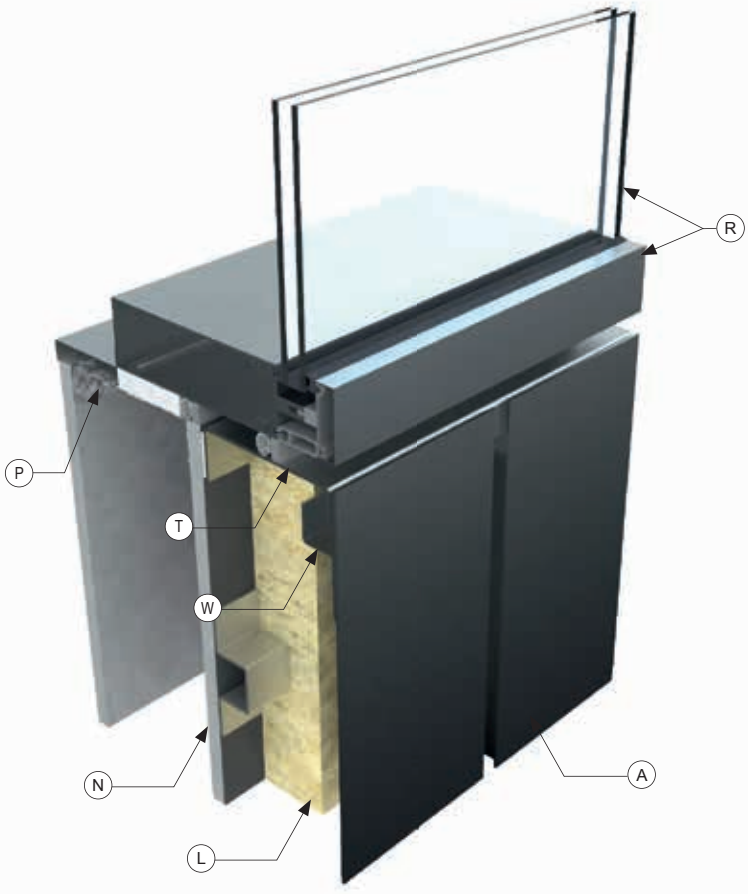


ISOMETRIC VIEW
Europlate® Support System



ISOMETRIC VIEW
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Drawing Nr.
D-12(3D)
Date: OKT-2015

POHL Europlate® System

ALTERNATIVE DETAIL | Glazing Sill - 3D CAD FILE

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Windows and door details are shown only for reference and not usable as construction details.

FACADE CLADDING

PRELIMINARY REMARKS

In our tenders we offer for production, delivery and/or assembly of the POHL facade cladding panel systems with the required carrier tracks.

We are credited to EN 1090-1, 1090-2 and 1090-3.
Our products are supplied with the required CE marks.
If a specific execution class for welded structures is required by the client, this information is to be provided to us in the request for tender.

The request for pricing should include all necessary drawings and details so that we can determine the scope of work and provide our according pricing and tender.

Revisions of drawings and details will require the pricing to be revised accordingly.

The customer is required to check the offer to be in line with his request for pricing.

The facade design complies with building material class A1 (non-combustable).

CONSTRUCTION MATERIAL:

POHL Europlate®
Headquarter
Christian Pohl GmbH

Robert-Bosch-Str. 6
50769 Cologne
Germany

SHEET-METAL CASSETTE FACADE

SYSTEM DESCRIPTION

Back-ventilated rainscreen facade system made from flat metal plates with frame and track system. The panels engage into the vertical carrier tracks with hook & pin fixings.

The Europlate panels have cut edges, without any return bends, to achieve crisp joint lines.

The frames on the panel backside form the tyical Z-shape return at the top, U-shape return at the bottom and L-shape returns at the sides. The corners are typically not welded.

The panels have a pre-installed hook in pin (POHL Return Pin) which will engage into the vertical drainage and carrier channel tracks on site.

The track system is typically made from aluminum to ensure the long term durability of the cladding system.

The POHL Macrolon clips in the hook-in slots enable a tight engagement of the panels to the carrier tracks but still allow for full thermal expansions and avoid any unwanted noises.

All fixings and screws must be made of stainless steel.
The screws and fixings are typically not part of the POHL cladding package and is provided by the installer.

Project: *Margot and Bill Winspear Opera House, Dallas, USA*
Architect: *Foster + Partners and Kendall/Heaton*
Facade system: *POHL Europlate®*
Material: *Glass-aluminum composite in special construction*

ARCHITECTURAL HIGHLIGHTS – WORLDWIDE

School of Art and Art History, Iowa City
Thomas More Square, London
Flurpark, Zurich
Spaceport America, New Mexico
Amazon Block 19, Seattle
Santa Monica Parking Garage, Santa Monica
Gesundheitshaus, Essen
Winspear Opera House, Dallas
DFB Museum, Dortmund

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POHL-Group of Companies

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