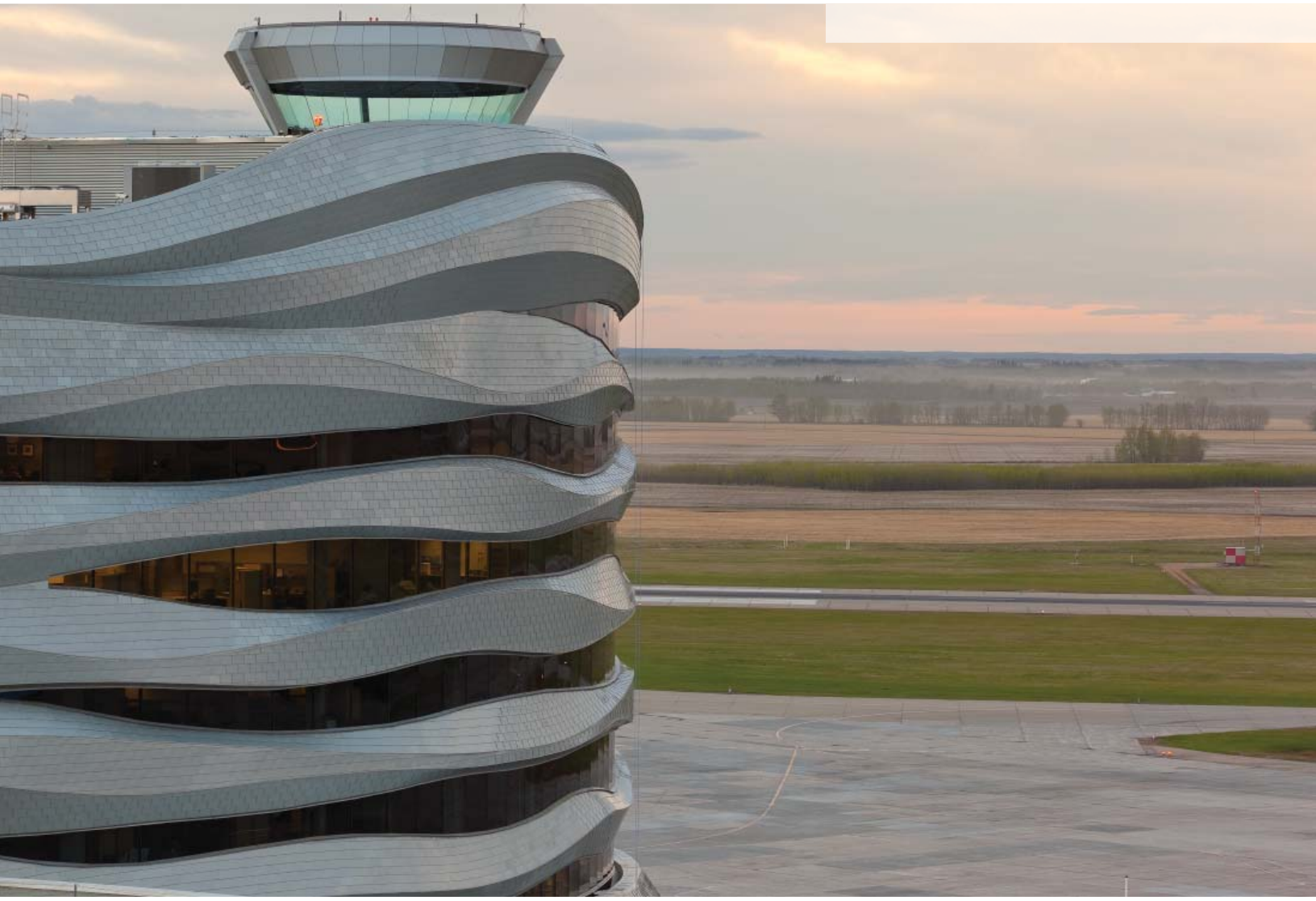
RHEINZINK®



FLAT LOCK TILES

System Technology for Facades

DESIGN AND APPLICATION



Fig. 25: Pterodactyl, USA



Fig. 26: Werkstatt, Germany



Fig. 27: Jackson Labs, USA

Flat Lock Tile Wall System

1. This system may be fabricated from the following PRODUCT LINES:



2. Diamond, Rectangular and Square shapes, or custom sizes

3. Easy to fabricate and install.

4. Perfect solution for curved surfaces.

5. Face heights from 8"

6. For optimum flatness:
   - Use 1.0 mm thick RHEINZINK for face heights 12" and up.
   - Use 0.8 mm thick RHEINZINK for face heights 8" to 12".

7. For cost effectiveness and ease of fabrication and installation limit panel lengths to 9'-9". Please consult a RHEINZINK representative for applications requiring longer lengths.

8. Drained and back ventilated rainscreen system with interlocking hooked seams. No sealants or gaskets required.

9. Refer to the RHEINZINK baseline details for corner, parapet, and penetration options. Consult a RHEINZINK representative for customized applications.

10. Panels can be roll formed or fabricated using brake forming or folding machines.

11. Ventilation mats and factory applied backside coatings not required for flat lock panels.

12. PROTECT: For aesthetic reasons, we recommend RHEINZINK PROTECT in tropical climate zones; in subtropical and temperate climate zones for coastal applications, and in all climate zones for soffits and splash zones. Consult a RHEINZINK representative for further information.

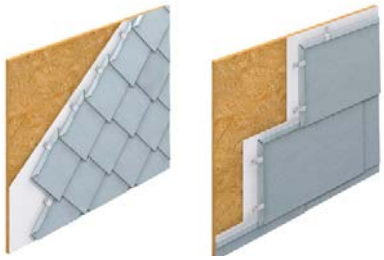
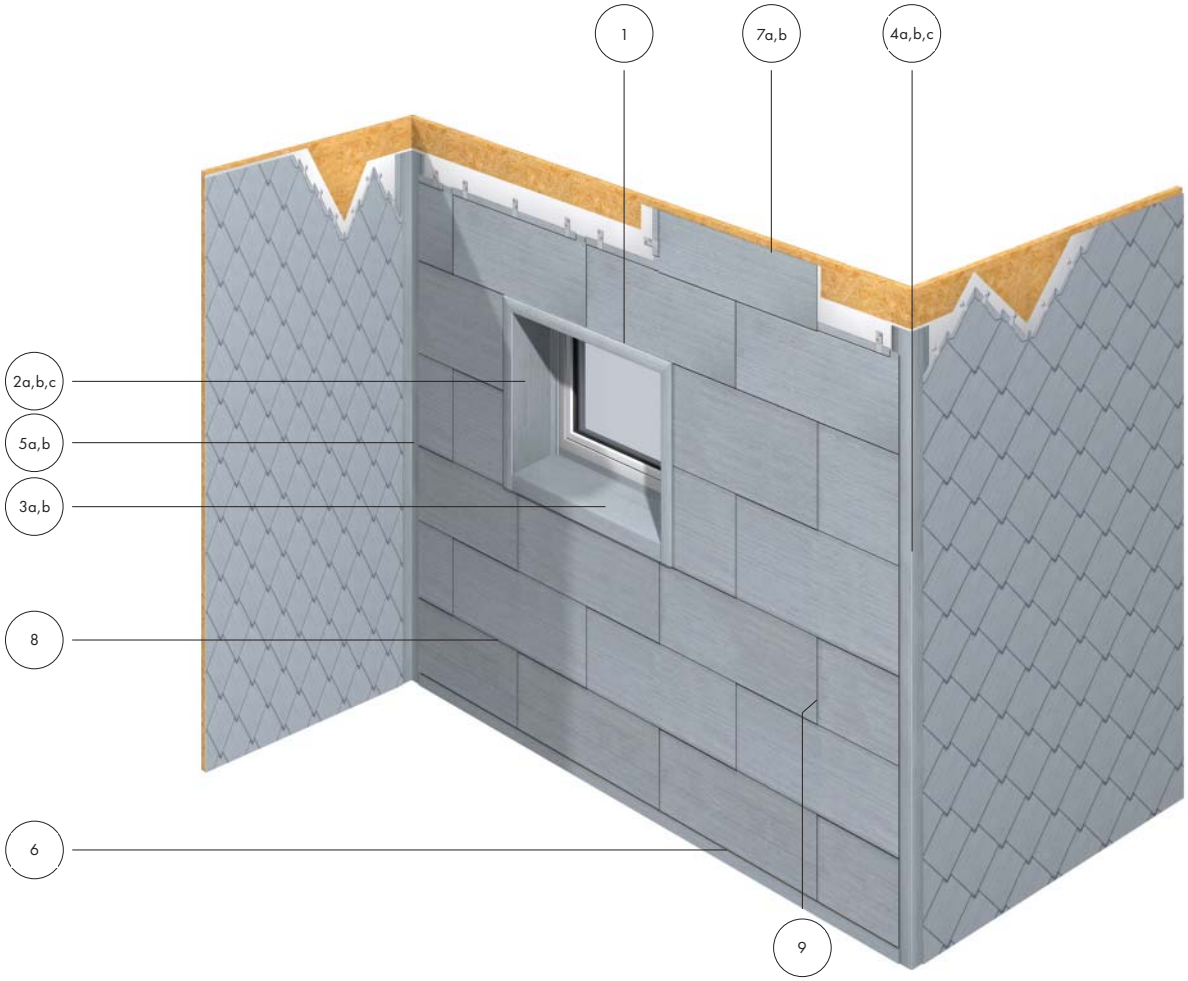


Photo on page prior: Fig. 15: Edmonton Airport, Canada



Interlocking Tile Details

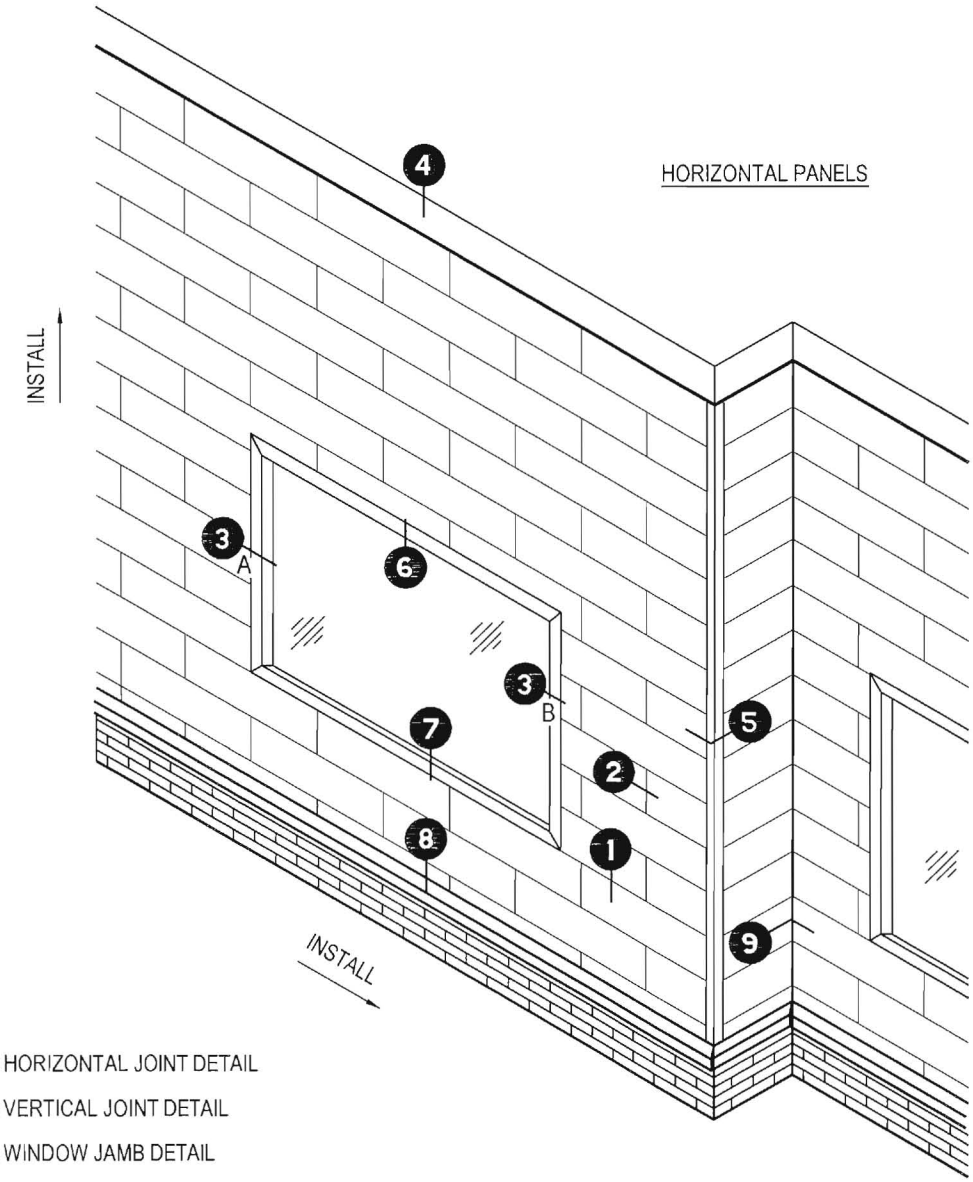
ILTF-1 - Head Detail
ILTF-2a - Jamb Detail - Opt. 1
ILTF-2b - Jamb Detail - Opt. 2
ILTF-2c - Jamb Detail - Opt. 3
ILTF-3a - Sill Detail - Opt. 1
ILTF-3b - Sill Detail - Opt. 2
ILTF-4a - Outside Corner Detail - Opt. 1
ILTF-4b - Outside Corner Detail - Opt. 2
ILTF-5a - Inside Corner Detail - Opt. 1
ILTF-5b - Inside Corner Detail - Opt. 2
ILTF-6 - Base Termination Detail
ILTF-7a - Parapet Detail - Opt. 1
ILTF-7b - Parapet Detail - Opt. 2
ILTF-8 - Horizontal Seam Detail
ILTF-9 - Vertical Seam Detail
ILTF-10 - Diamond Fab. Detail
ILTF-11a - Rect. Fab. Detail - H Fold - Opt. 1
LTF-11b - Rect. Fab. Detail - V Fold - Opt. 2
ILTF-11c - Rect. Fab. Detail - H Fold - Opt. 3
ILTF-11d - Rect. Fab. Detail - V Fold - Opt. 4
ILTF-12 - Square Fab. Detail

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FLAT LOCK WALL PANEL INDEX

FLW - H0



1. HORIZONTAL JOINT DETAIL
2. VERTICAL JOINT DETAIL
3. WINDOW JAMB DETAIL
4. COPING DETAIL
5. OUTSIDE CORNER DETAIL
6. WINDOW HEAD DETAIL
7. WINDOW SILL DETAIL
8. BASE DETAIL
9. INSIDE CORNER DETAIL

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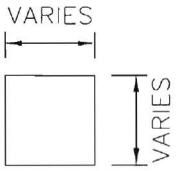
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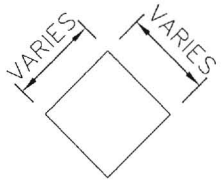
FLAT LOCK WALL SYSTEM - PROFILE

FLW - H0.1

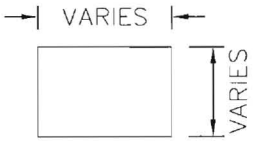
SQUARE



DIAMOND



RECTANGLE



MATERIAL OPTIONS

COIL-COATED STEEL
COIL-COATED ALUMINUM
ARCHITECTURAL GRADE SHEET COPPER
ANODIZED ALUMINUM
MILL FINISH ALUMINUM
RHEINZINK

FABRICATION OPTIONS

RHEINZINK	18, 20, 22 & 24 GA.
STEEL	22, 24 & 26 GA.
ALUMINUM	.032", .040", .050", .063"
COPPER	16, 20, 24 & 36 OZ.
MINIMUM LENGTH	VARIES
MAXIMUM LENGTH	VARIES
BEST O.C. DIMS.	

TECHNICAL DATA

* CONTACT FSMP
FOR INFORMATION

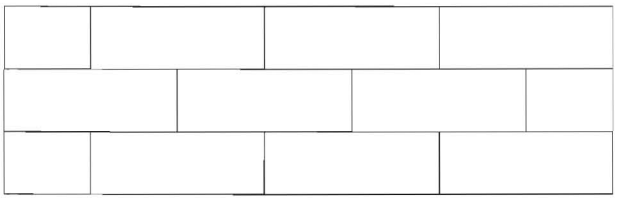
FINISH OPTIONS

PAINTING
HYLAR 5000/KYNAR 500.

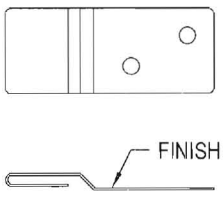
ANODIZING
CLEARS, BRONZES, AND VARIOUS OTHER COLORS CAN BE COIL ANODIZED FOR COLOR CONSISTENCY.

CUSTOM COLORS
WE CAN PROVIDE FULL CUSTOM COLOR SERVICES TO MATCH PRACTICALLY ANY MATERIAL, SHADE, OR TINT YOU REQUEST.

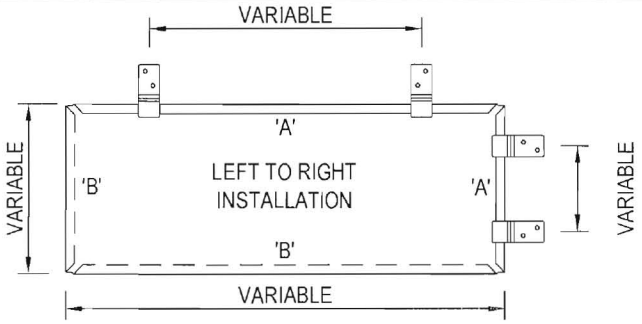
LAYOUT PATTERN



CLIP PROFILE







NOTES:

1. HEAVIER GAUGES, NARROWER WIDTHS, AND EMBOSSING MINIMIZE "OIL CANNING"
2. OIL CANNING IS NOT A CAUSE FOR REJECTION.
3. AN EXTENSIZE SELECTION OF ASSOCIATED PANEL FLASHING AND TRIMS ARE AVAILABLE.
4. CONTACT COPPER SALE, INC. FOR UP TO DATE TECHINCAL INFORMATION AND MATERIAL LIMITATIONS.
5. ALL SYSTEMS WITH TESTING MUST BE INSTALLED IN ACCORDANCE WITH THE ASSEMBLY AS TESTED.

H0.1

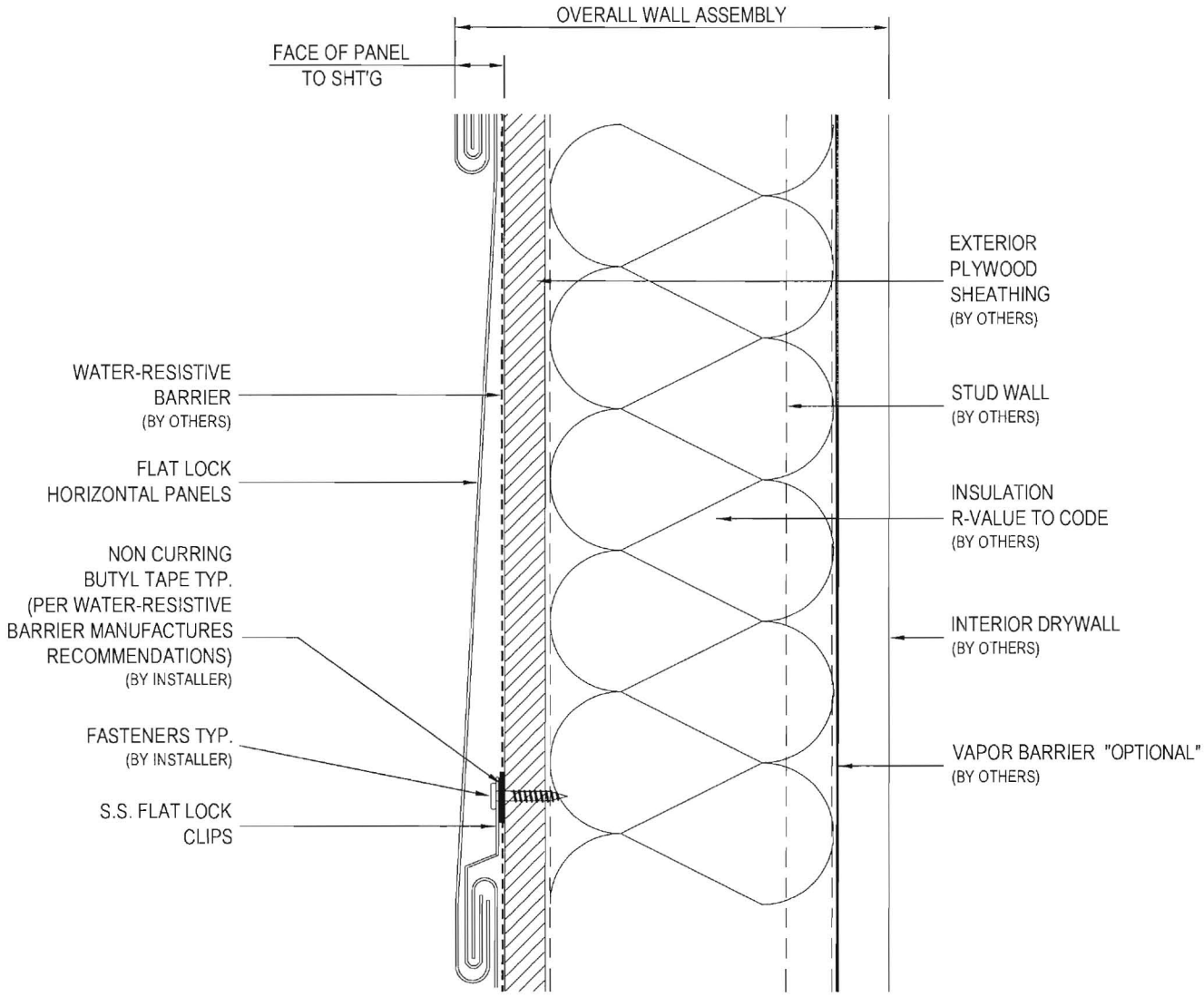
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FLAT LOCK WALL - HORIZONTAL JOINT DETAIL FLW - H1



IMPROVE ENERGY EFFICIENCY WITH PROPER COMPONENT WALL ASSEMBLIES

IN MOST REGIONS, EXTERIOR WALLS HAVING INSULATION INSIDE THE STUD WALL CAVITY SHOULD USE A VAPOR-PERMEABLE MEMBRANE APPLIED ON THE EXTERIOR SIDE OF THE WALL. A VAPOR-PERMEABLE MEMBRANE ALLOWS THE WALL CAVITY TO BREATH AND DRY POTENTIAL MOISTURE CAUSED FROM VAPOR PRESSURE. IN COLDER CLIMATES A NON-PERMEABLE VAPOR BARRIER MUST BE INSTALLED ON THE INTERIOR SIDE OF THE WALL ASSEMBLY TO MINIMIZE OUTWARD VAPOR PRESSURE CAUSED BY HEATED AND HUMIDIFIED INTERIOR ENVIRONMENTS DURING THE COLD SEASON.

2006 INTERNATIONAL BUILDING CODE - 1403.2 WEATHER PROTECTION: EXTERIOR WALLS SHALL PROVIDE THE BUILDING WITH A WEATHER-RESISTANT EXTERIOR WALL ENVELOPE. THE EXTERIOR WALL ENVELOPE SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT THE ACCUMULATION OF WATER WITHIN THE WALL ASSEMBLY BY PROVIDING A WATER-RESISTIVE BARRIER ON THE SIDE OF THE WALL BEHIND THE EXTERIOR VANEER. PROVIDE MEANS OF DRAINING WATER THAT ENTERS BETWEEN THE EXTERIOR VANEER AND THE WATER-RESISTANT BARRIER.

H1

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