Belgard Permeable Paving Detail

PICP Pavement Adjacent to Building

Surface Water Flows through the No. 8, 89 or 9 stone jointing material between the pavers

Slope 1% away from building for 10'

Cut impermeable liner flush with top of pavers

Existing Building Wall

Optional dimpled membrane

Expansion material

30 mil PVC liner w/ 8 oz nonwoven protective geotextile

Existing Building Footing

Existing perimeter drain

Belgard Permeable Pavers
3 1/8" (80mm) thick

Bedding Layer,
2" ASTM No. 8 Stone

Base Layer,
4" ASTM No. 57 Stone

Subbase Layer,
Minimum 6" ASTM No. 2 Stone

Geotextile Filtration Fabric on bottom and sides of open graded base if required by the design engineer.

Subgrade. Prepare according to recommendations in geotechnical report. Slope away from building.

Extends impermeable liner to bottom of building foundation

Distance to suit local ground conditions

Design Notes:
1. Depth of subbase subject to site specific hydraulic and structural requirements. Contact Belgard Commercial for design assistance.
2. Paver dimensions subject to aspect and plan ratio requirements based on traffic loading.
3. Geotechnical engineer needs to balance structural stability and soil infiltration when recommending subgrade conditions.
4. Consult with Structural Engineer to verify building wall can handle additional hydrostatic pressure that could be created by the PICP system during severe rainfall events.
5. Dimpled membrane allows foundation wall to breath. Recommended for buildings where living areas are below grade.
6. Verify with local Stormwater Management Regulatory agency that PICP systems are permitted next to buildings.
7. ASTM No. 2 stone may be substituted with No. 3 or No. 4 stone.
8. Strictly pedestrian applications may substitute base/subbase layers with one 6" base layer of ASTM No. 57 stone.

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This drawing is for illustrative purposes only and should not be used for construction without the signature of a registered professional engineer.

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N.T.S. MAH

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