

PERSONNEL



The Envelope Division of FBM approaches each roof project without any preconceived ideas, responding to the particular conditions and challenges that each project presents, while respecting our clients' input, schedules, and budgets.

Our thorough and highly detailed documents reduce errors and omissions by providing clear and concise requirements for tendering and construction purposes. Our presence on site ensures the implementation of the project requirements and quality control.

CONTACT

Please visit our website and click on Envelope to access information and photos of recent projects.



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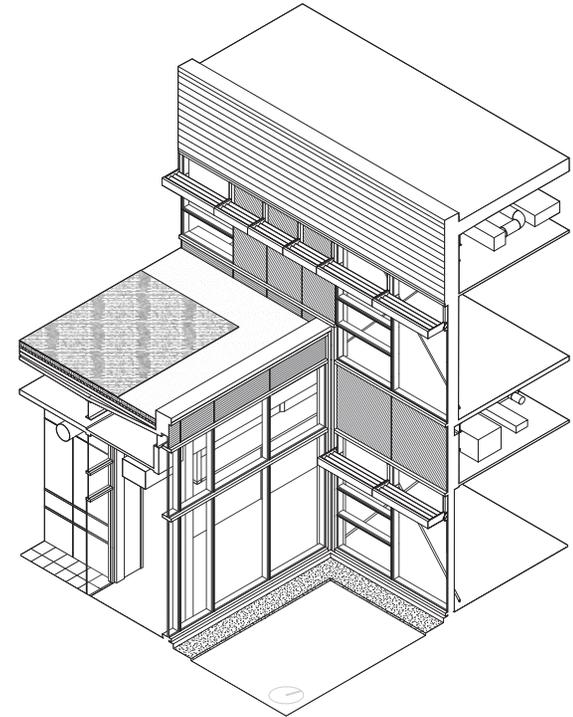
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ENVELOPE DIVISION



FBM

ARCHITECTURE • INTERIOR DESIGN

ROOF SYSTEMS

Our roofing experts design new roofs and re-roofing projects using:

- 2 ply modified bituminous membranes
- TPO as fully adhered or mechanically secured
- EPDM as fully adhered, mechanically secured or ballasted
- Hot rubberized asphalt for protected membrane roofs including green roofs
- Metal roofs including metal shingles
- Recover of metal roofs with EPDM
- Asphalt shingles

TYPICAL PROCESS

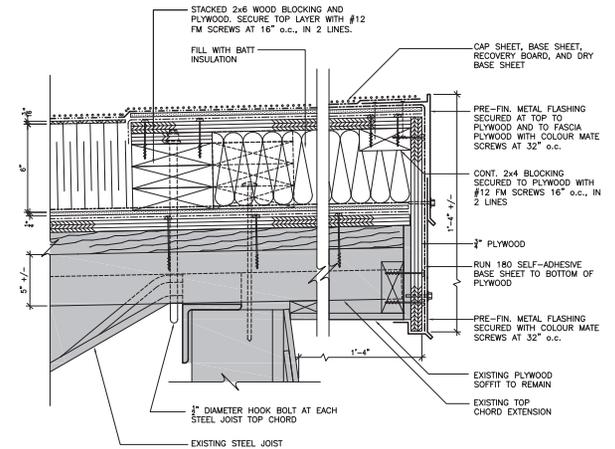
Our typical process when taking on a new roofing project is to initiate a site visit to verify current conditions and request a set of existing roof drawings.

We then discuss the proposal of a re-roofing system with the owner and get confirmation of our recommendation before starting the technical document package, which consists of the drawings and specifications. This package can be attached to the owner's standard front end or we can provide a front end.

The new roof system must be no heavier than the original roof system used on the building. In some instances, a closer look at the capacity of the existing roof structure may be required.

Roof designs are done in accordance with CSA A123.21-14 and Factory Mutual, using the wind uplift values from the NRC Wind Guide calculator for the building location.

FBM specifies the products for all major and most of the minor components of the roof with at least two suppliers for most items.



The construction of the roof edge is the first line of defense against a wind blow-off. Our roof edge conditions are thoughtfully detailed with specified fasteners and spacing requirements.

EXTRA

In addition to designing new roofs or upgrading existing roofs, FBM's Envelope Division also provides additional services such as:

- Inspection of roofs to give an opinion on the likely remaining life of the roof.
- Opinion on an alternate roofing system from the present system.
- Pre-purchase roof inspections.
- Thermography scans can be arranged using a third party provider of this service.
- Calculation of attic ventilation requirements and design of a system.
- Review of insurance claims related to roofs.
- Design of access ladder systems to roofs.

