

A Hat, A Coat, & a Boot

FOUNDATION TO FLOOR & EXT. WALL POST-RETROFIT CONDITION

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Retrofitcanada.com

Builder: Carbon Busters

Drawing by Andy Cockburn
NAIMA Canada



EXISTING FLOOR SYSTEM

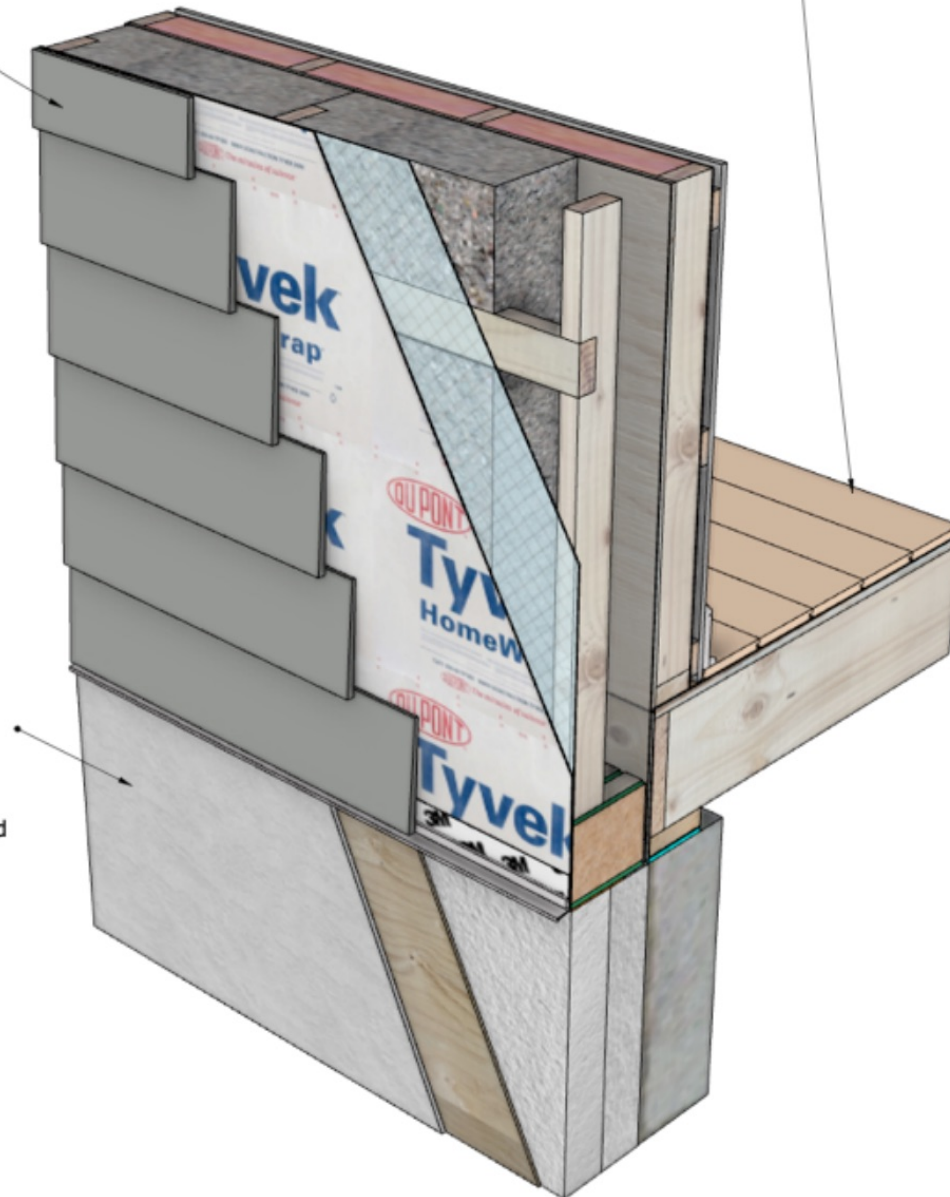
- 2x lumber mudsill on foundation c/w sill gasket
- Conventional lumber frame joists and rim
- Plywood subfloor
- Finish floor

EXTERIOR WALL

- Hardieboard siding
- TYVEK Polyolefin WRB
- Mesh containment fabric
- Dense pack cellulose insulation
- Larsen truss frame (engineered)
- Polyethylene vapour barrier
- ORIGINAL EXT. WALL: 2x4 @16" o.c. c/w 3/8" plywood sheathing, fibreglass batt insulation
- 1x3 wood furring strips
- 1/2" gypsum drywall

FOUNDATION

- Parge layer affixed to 1/2" ply c/w keying mesh
- 8" EPS Insulation, installed from wall const. to 18" below grade, c/w spray foam at intersection with wall const.
- Polyethylene VB
- ORIGINAL FOUNDATION: 8" poured concrete foundation wall



Not to scale

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WINDOW SECTION PRE-RETROFIT CONDITIONS

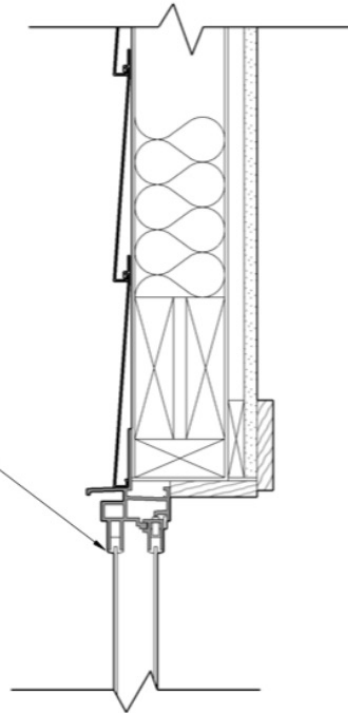
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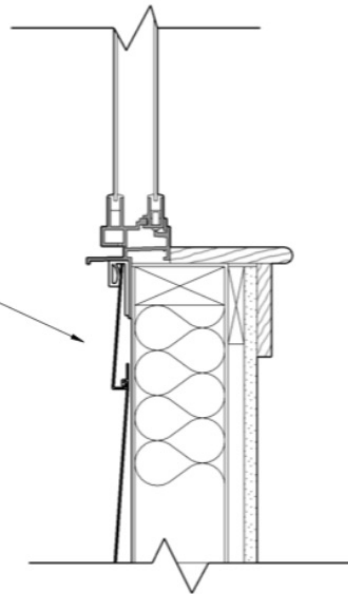
EXISTING WINDOWS:

- Dual pane aluminum sliders (horizontal) c/w extruded aluminum frame
- Aluminum flashing
- 2x4 rough stud opening c/w 2-2x6 wood lintel w/ 1/2" plywood packing out
- Interior wood jambs & casing



EXTERIOR WALL:

- Aluminum 'clapboard' siding
- Tar paper WRB
- 3/8" plywood sheathing
- 2x4 studs @16" o.c. c/w ~R12 fibreglass batts, Poly VB, 1x3 strapping, 1/2" gypsum drywall interior finish



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EXT. WALL TO ROOF & CEILING PRE-RETROFIT CONDITION

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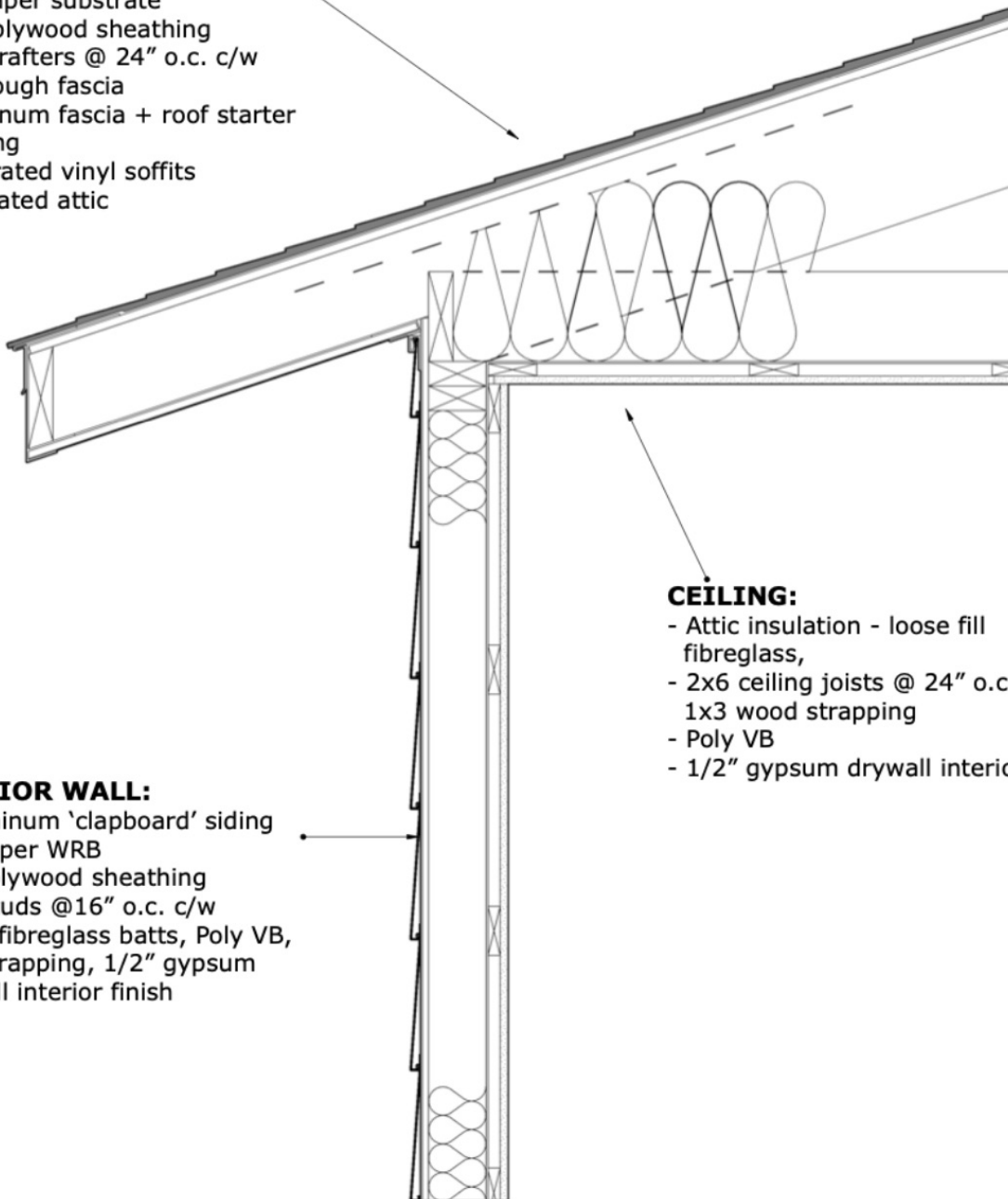
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ROOF:

- Asphalt shingle finish layer
- Tar paper substrate
- 1/2" plywood sheathing
- 2x10 rafters @ 24" o.c. c/w 2x6 rough fascia
- Aluminum fascia + roof starter flashing
- Perforated vinyl soffits
- Ventilated attic



CEILING:

- Attic insulation - loose fill fiberglass,
- 2x6 ceiling joists @ 24" o.c., c/w 1x3 wood strapping
- Poly VB
- 1/2" gypsum drywall interior finish

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~R12 fibreglass batts, Poly VB,
1x3 strapping, 1/2" gypsum
drywall interior finish

FLOOR SYSTEM:

- 2x10 floor joists @24" o.c. c/w
insulated headers
- 3/4" plywood subfloor
- Building paper substrate
- 3/4" finish flooring
- Wood trim

FOUNDATION:

- Parging layer
- Bituminous dampproofing
- 8" poured conc. fndtn. wall c/w
2x6 mudsill and foam gasket

CRAWL SPACE INT. TREATMENT:

- Interior wall system - 2x4 studs
@ 16" o.c. c/w ~R12 fibreglass
batt insulation

Not to scale