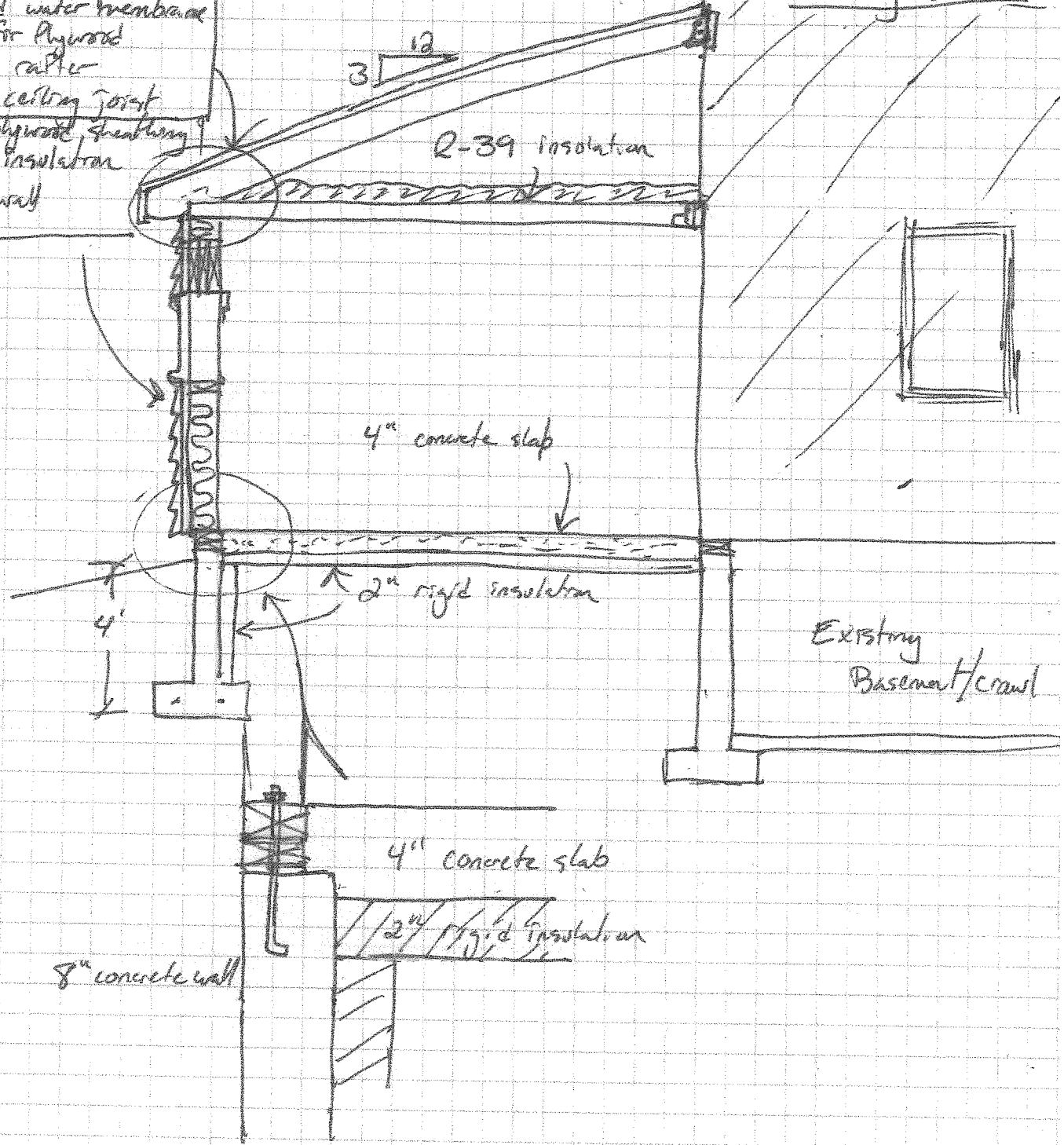


Cross section A

- Asphalt shingle
- Ice and water membrane
- 5/8 Fir Plywood
- 2x12 rafter
- 2x8 ceiling joist
- 2x2 plywood sheathing
- R-21 insulation
- 1/2 drywall



Existing Structure

4" concrete slab

2" rigid insulation

Existing Basement/Crawl

4" concrete slab

2" rigid insulation
1 1/2" fiberglass insulation

8" concrete wall

4'

3/12

R-39 insulation