

- 1 16-inch walls are filled with cellulose fibre insulation made from recycled newspaper, cutting total heat loss by more than onethird over conventional construction; six-inch walls are fitted with batts of insulation in traditional construction.
- 2 Large south-facing windows, coupled
- with interior concrete floors that absorb heat during the day and then release it during the evening, provide 54 per cent of the home's annual heating requirements.
- 3 The 6-kW solar electric system, with 12 photovoltaic modules on the roof and 10 on each solar awning, will be one of Edmonton's
- largest residential systems when fully installed.
- 4 Solar awnings will be moved seasonally to orient the solar modules towards the sun for maximum electricity production and to shade the windows in the summer.
- 5 Solar hot water collectors provide

- 90 per cent of the home's annual hot water consumption. The remainder is produced by electricity.
- 6 Interior wood trim and exposed beams were recycled from local sources, including the house that once stood where this one is being built.
- 7 A grey water collection system flushes toilets
- with shower water. Water-efficient plumbing fixtures and toilets will save the equivalent of 734 bathtubs a year of water compared to a new home with fixtures that meet Edmonton's new waterefficient fixtures bylaw.
- 8 A locally manufactured light pipe - a tube that pipes sunlight into

- the room provides daylight to the windowless secondfloor bathroom.
- 9 A selection of the most efficient appliances, plus the decision to hang-dry clothes instead of using a dryer, will reduce electricity use by 50 per cent over that of a typical new home.