

## BENEFITS OF TRUE PANELS

1. True Panels offer total design and integration of the home shell construction with your floor plan and timber frame. Each panel is designed and built with all windows, doors, or sky light structural openings included at no additional charge.
2. Remodelling or reworking of your walls and roof at any time is much easier with True Panels. Moldings, window casings, stairs and cabinets can be fastened to solid framing for superior holding, compared to the 1/2 OSB on the SIPs. Carpenters and other subcontractors appreciate the familiar construction they find the True Panels that makes the costly specialized tools or procedures required for SIPs unnecessary.
3. True Panels are built with Polyisocyanurate insulation, which provides a 50% higher R Value than the highest attainable R Value for even the best selling SIP foam core for the same thickness. Polyisocyanurate insulation is 28 times more environmentally friendly than the foam used in SIPs.
4. In most cases, the customer's windows are factory installed into the True Panel wall using the very latest manufacturer recommended installation techniques which reduces air infiltration and creates a superior water barrier.
5. True Panel insulation is foil faced on both sides, which is highly effective at reflecting radiant heat. This is especially advantageous during hot, summer days.
6. The 5/8" CDX sheathing used on the True Roof and Wall Panels, by standard design, provide superior lateral bracing, putting them a step ahead when high wind, heavy snow loads or seismic activity are part of the local building code requirements.
7. True Roof Panels are designed and constructed with a full roof vent from eave to ridge, eliminating the need for the additional framing and sheathing that has to be site installed over basic SIP roof panels. Thus, the True Panel provides a cold roof rather than a warm roof. This is of interest in terms of ice build-up which is formed with Warm roofs. Also, asphalt single manufacturers will not offer or will reduce their basic warranties, if their shingles are not installed over a well ventilated roof system, also known as a "Cold Roof" system.
8. True Panels create less on-site job waste than basic SIPs because SIPs require cutting to fit and cutting for window, door and skylight openings.
9. High wind or seismic heavy duty hold-downs are easily installed in True Wall Panels; basic SIPs in many cases will require adding stud framing within the panel.
10. True Panels have lower sound transmission properties than SIPs.