DESIGN	PARAMETERS
Latitude:	
Longitude:	
Building location:	Snye, QC
Building location elevation:	64 m / 161 ft.
Nearest weather station:	
Nearest weather station elevation:	
Nearest weather station average A	FI in °C_Days: 808
Design AFI:	
Design outdoor temperature:	-23° C / -9.4° F
Mean soil design temperature:	
Existing simulation ground temperation	ature based on AFI: 8° C / 46° F
Building Area:	Avg. 124.5 m² / 1,340 sq. ft.
Building perimeter:	Avg. 49 m / 132 ft.
	Heated Slab AFI 800 Latitude 45 0°



LEGALET



Developer/Owner & Legalett installer:	Rick Cal
	(Housing

dwell - Mohawk Council of Akwesasne. Athority) / (613) 575-2250 ext. #2307) .

Legalett Service Representative: Keith Sanschagrin - KeiGee Sales / Barrie, ON / (705) 737-3399.

6.4

BUILDING ISSUES

SUES

• This multiple slab subdivision consisted of four different footprints.

- The project begun in late fall and was subject to critical completion dates.
- The poor soil conditions would not permit the use of conventional foundations.

• The Mohawk Council encouraged local labour resources which had no previous Legalett installation experience, however the simplicity of the system enabled productivity after only a short training period.

Keith Sanschagrin - (KeiGee Sales)

WHY LEGALETT ?

• "We discovered too late that the soil, at the site for this 17 home subdivision in Akwesasne, would only support 300 lbs./sq.ft., and had it not been for this type of engineering, these homes would not have been built." The design of the slab allows for the total load of the building to be spread evenly over the full footprint. 6" of EPS sits under the 5" reinforced concrete slab and 8" of clear stone provides a drainage layer and protects the foundation from the effects of frost. We would have different workers on site every day including students from the local trade school." Rick said. "It worked out great. There was a very short learning curve and the design was fool proof. Every one of our slabs came out perfect."

Rick Caldwell - (Mohawk Council of Akwesasne)





Heater and Pipe Layout