

LEGALETT



DESIGN PARAMETERS

Latitude:	44.2°
Longitude:	76.25°
Building location:	Mount Chesney (Kingston), ON.
Building location elevation:	91.4 m / 300 ft.
Nearest weather station:	Kingston, ON.
Nearest weather station elevation:	76.8 m / 252 ft.
Nearest weather station average AFI in °C_Days:	800
Adjusted AFI:	1132
Design outdoor temperature:	-23° C. / -9.4° F
Mean soil design temperature:	9° C / 48° F
Existing simulation ground temperature based on AFI:	8° C / 46° F
Building Area:	612.3 m² / 6,590 sq. ft.
Building perimeter:	Avg. 124.4 m / 408 ft.



- Heated Slab
- AFI 800
- Latitude 44.2°
- Longitude 76.25°
- 100 Year Return
- No Snow or Vegetative Cover



THE TEAM

Owner / Developer: **Dr Ashok Chadha, Mount Chesney (Kingston) ON**

Architect: **Fillmore Design Group, Oklahoma City, OK (405) 843-5456**

Project Manager: **John Teixeira / Westport, ON**

Legalett installer: **Teixeira Construction / Westport, ON / www.teixeirahomes.com**

Legalett Service Representative: **John Teixeira / ICF Rideau / Westport, ON / (877) 273-5536**

BUILDING ISSUES

LEGALETT

WHY LEGALETT ?

A complex design with 104 corners, curves, angled wings, a bridge and various interior bearing walls and point loads, would have necessitated the removal of up to 5 feet of overburden to achieve the slab on ground with frost footing design. Imported engineered fill would have been significant.

Legalett simplified the execution by eliminating substantial excavation, backfill and imported granular and extensive compaction resulting in appreciable savings on site prep alone.

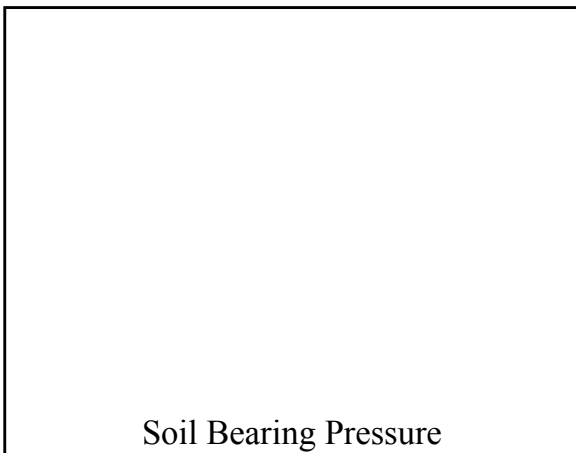
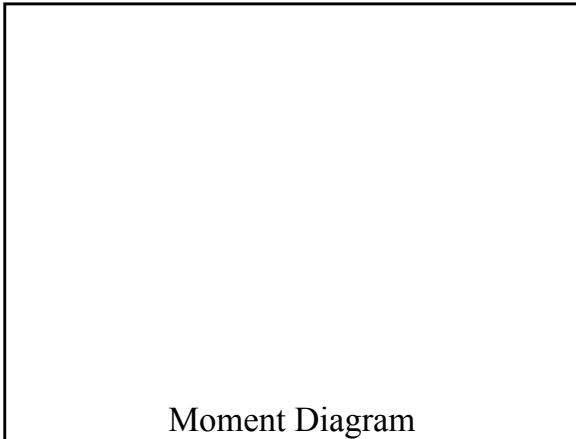
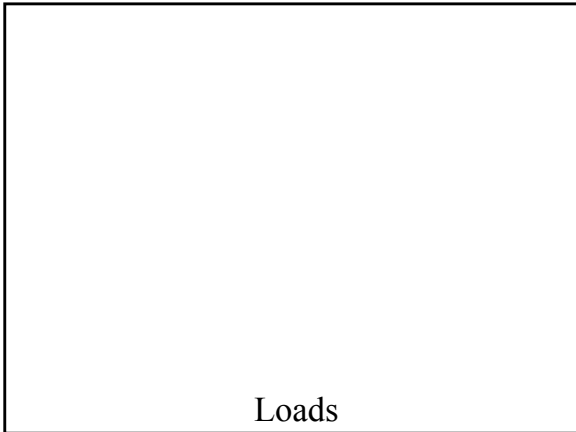
“John Teixeira - (Teixeira Construction)”

We wanted to ensure our clients would get the ultimate in comfort and quality.

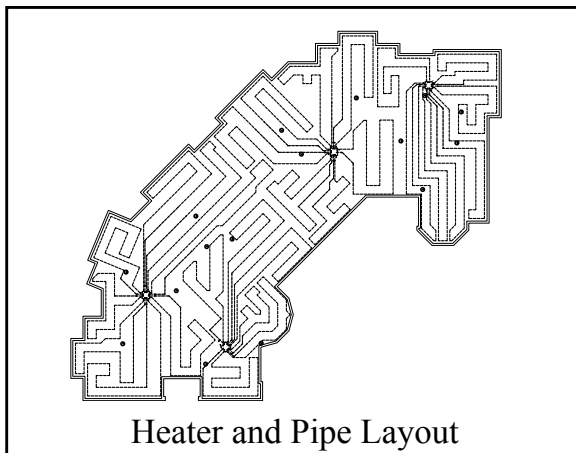
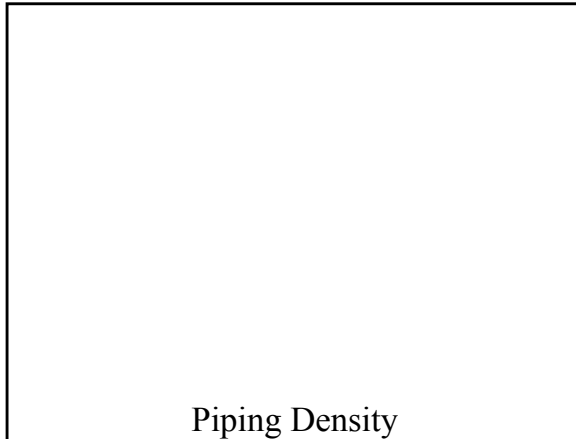
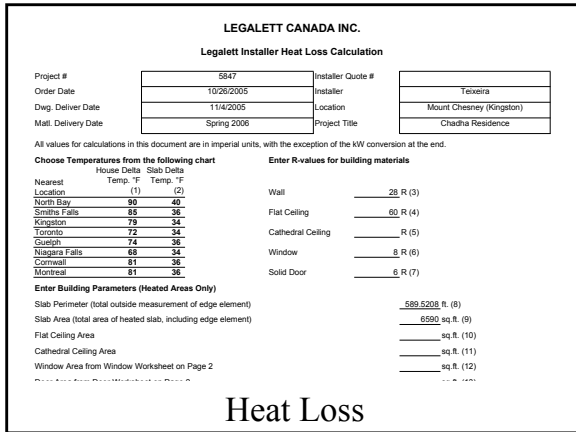
Matching this Luxury home with the Legalett System was seminal in achieving this objective while satisfying their desire to be environmentally responsible and lying gently on the land.

“John Teixeira – (Project Manager)”

STRUCTURAL



ENERGY



EXCLUSIVE RESIDENCE - 5847