PART 1 GENERAL

1.1 Design Guidelines

1. Comply with applicable building codes for building envelope energy performance.

2. A building life cycle analysis is to be done to determine if higher building envelope thermal values are cost effective.

3. Avoid insulation containing CFC’s.

4. Perimeter foundation insulation is to extend to provide an insulation envelope which is continuous with wall insulation.

5. Extend foundation insulation 48” below grade or 48” horizontally under floor slab.

6. Provide vapor barriers in conjunction with insulation to prevent moisture infiltration. Vapor barriers are to be continuous and have seams sealed.

7. Consider products with recycled content where feasible and cost effective.

1.2 Performance Standards

1. Fire Performance:
   a. ASTM E84- Surface Burning Characteristics
   b. ASTM E119- Fire Resistance Ratings
   c. ASTM E136- Combustion Characteristics.

2. Insulation Values: Thermal values to be determined per ASTM C177.

PART 2 PRODUCTS

2.1 System Description

1. Rigid Insulation:


2. Batt Insulation:

3. Values shown are intended for new construction; for renovation projects exceptions will be allowed based on existing conditions.