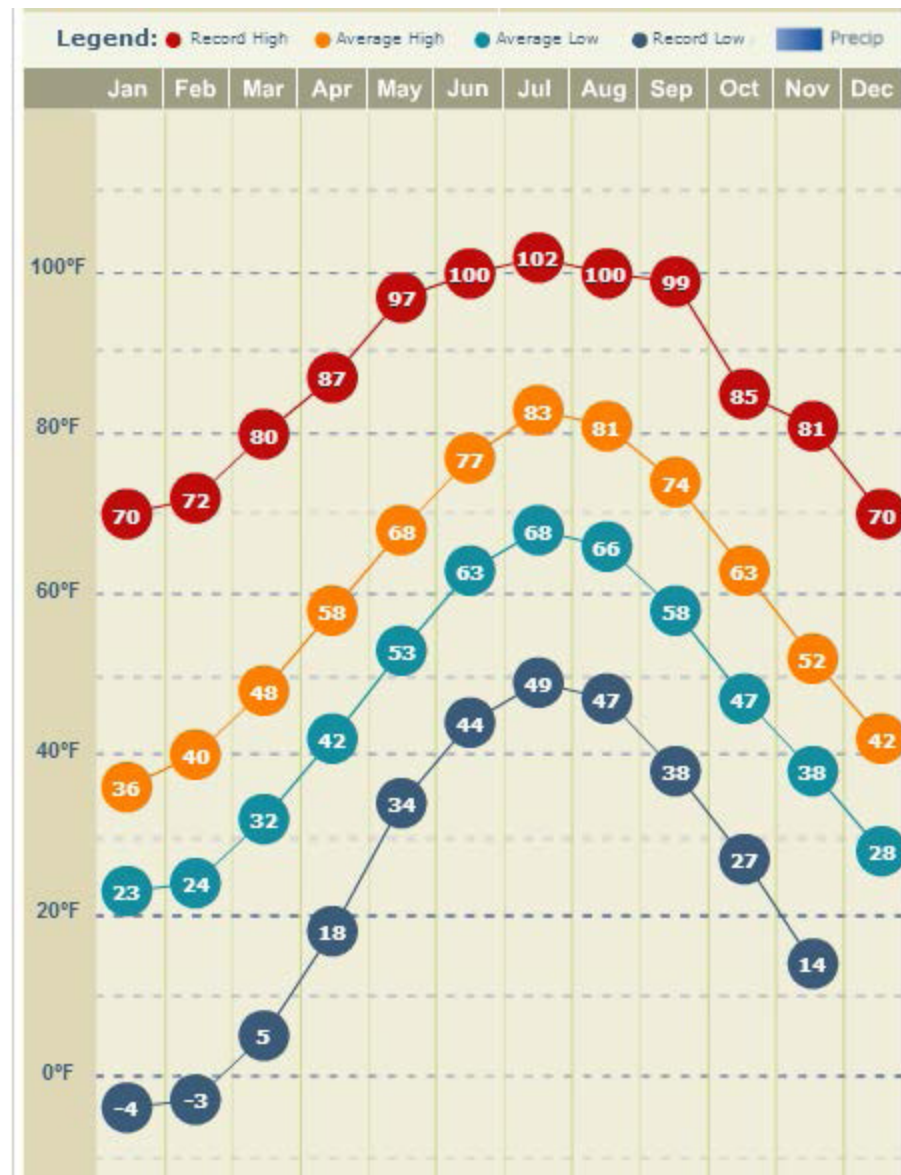
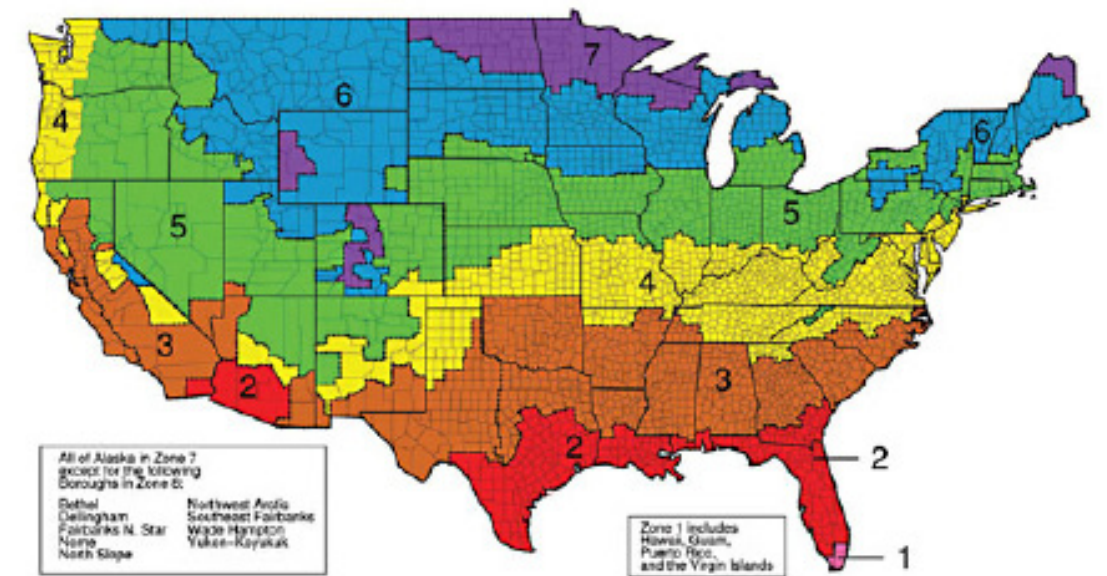


CA Climate Data



NY Climate Data



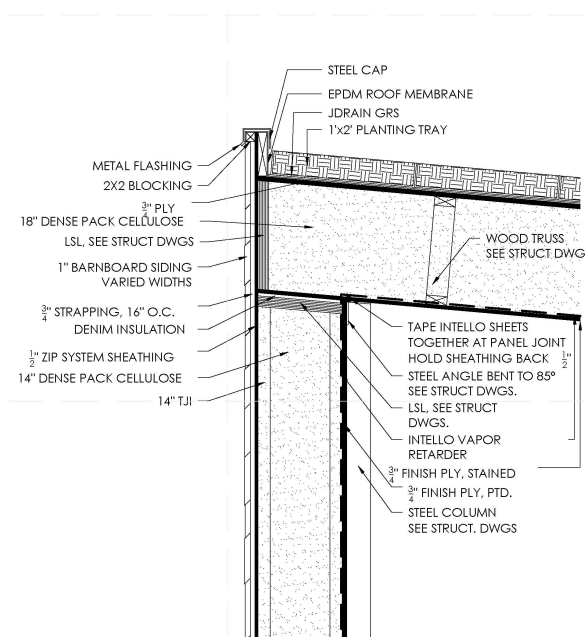
**Commercial Roof Insulation Recommendations**

- Zones 1 thru 3  
Recommended R-value – R-20
- Zones 4 thru 6  
Recommended R-value – R-25
- Zones 7 and 8  
Recommended R-value – R-30

**Wall Insulation Recommendations**

- Zones 1 thru 3  
Recommended R-value – R-20
- Zones 4 thru 8  
Recommended R-value – R-25

Degree Days	NYC:	CAL:
JAN	900	340
FEB	855	270
MAR	750	150
APR	360	80
MAY	120	30
JUN	5	10
JUL	0	5
AUG	0	5
SEP	30	20
OCT	170	80
NOV	580	150
DEC	830	300
TOTAL	4600	1440



Middlebury College

Wall strategy:

Rain screen wall with continuous spray insulation.

Wall address:

Middlebury utilizes spray insulation, zip sheathing, vapor barrier, Laminated strand lumber and stained plywood for the interior finish.

Air leakage:

Continuous insulation

Strategies:

Spray foam insulation

R-value:

- Vapor Barrier - 0.05
- Stained Plywood 5/8" - 0.45
- LSL Wood Studs - 0.50
- Zip Sheathing 1/2" - 0.60
- Spray foam insulation with 2x4 wood studs @ 16o.c. - 6.00

Total = 7.60