





## Methodology

- 1. Selected several glazing areas on each façade.
- Applied masking tape on inside and outside test windows to calibrate the emissivity.
- 3. Used Raytek MiniTemp on chosen window sites.
- 4. Recorded temperature of glass at distance of 4".
- 5. At each test site measured the metal framing temperature at 4".



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	Glazing						
	Inside	Outside	Conditions				
North	86	104	Indirect Sun				
East (single-paned)	88	89	Shaded (front entrance)				
Southeast	80	110	Indirect Sun				
South	85	112	Indirect (lightshelves)				
West	77	106	Indirect (lightshelves)				

## Conclusions

- The *outside* glazing temperatures of the South and Southeast façades were closely correlated consistent with the fact that they received direct sunlight earlier in the day.
- The *outside* glazing temperatures of the North and West façades were closely correlated consistent with the fact they had not received any direct sunlight.
- Temperatures on the East façades significantly reflected the sheltered environment, single-paned glass, and use of the door.
- The inside temperatures were more consistent with one another, reflecting the air temperature of the individual rooms.

## Appendix A – Additional Data

	Glazing		Metal Framing	
	Inside	Outside	Inside	Outside
North	86	104	92	94
East (single-paned)	88	89	91	91
Southeast	80	110	82	107
South	85	112	92	100
West	77	106	84	95

The metal framing of the Southeast façade measured the lowest indoor and highest outdoor temperatures.

Thank you to our facilitators (the tool kids)!