<p style="text-align: center">Memorandum</p>

To: R.M. Schafer

From: Smart Windows

Date: February 25, 2010

Subject: Meeting 7 Minutes

1.) Status Updates
- a. Light Sensors: Kelley
  - i. Great progress on A/D convertor
- b. Wireless and Microcontrollers: David
  - i. Real time clock is working
    - 1. Demoed with new smaller LCD screen
  - ii. Will interface microcontroller with PC for demo
    - 1. Microcontroller will report back temperatures to PC
- c. Remote Controls: David
  - i. LCD demo counts time. Looks great.
- d. Motors: Tommy
  - i. Using the current sense pin to look for motor stall
    - 1. Ready to interface with A/D converter
    - 2. Reliable measurement for sensing stall have been taken
  - ii. Tommy has physical buttons hooked up along with microcontroller connections
    - 1. Debouncing in software
      - a. Capacitors?
- e. PC software: Andy
  - i. Taking a break from PC software, helping where necessary with other things
  - ii. Working on UML Software design chart
- f. Batteries: Tommy
  - i. Motor runs from 4.2 to 6V
    - 1. Considering using 6 batteries instead of 4
    - 2. Works great

2.) Demo
- a. Anything that affects board design
- b. Software we can change later

3.) Low Level Design
- a. Due Thursday
- b. Template is online
- c. Meeting to do EAGLE work this next Monday (and probably Tuesday and Wednesday)
- d. Considering putting antennae onto board
  - i. Easier to fit into end-package?
  - ii. Alternatively, could use Schafer's Zigbee module