

# UI Debalers 2.0

## Instrumentation and Data Collection for Debaler Project Meeting minutes

**Location:** JML

**Date:** 11-4-2020

**Attendees:** Evan Allen, Benjamin Zimmerman, & Hope de Avila

**Time:** 3:00-4:00 p.m.

### • Meeting Agenda

- Discuss current design ideas and progress
- Work on completing goals set by teams for things to complete before the break
- Start getting things ready for the design review on 11/11/2020 at 3:00

### • Meeting Notes

- We worked a bit on the wiki-page as it is due tomorrow
- We plan on having the structure of our Wiki page complete by tomorrow
- The team discussed our research we found with the PLC
- We found out that the Click Basic PLC part number C0-00R-D from automation direct that costs \$84.00
- The power supply is from the same company with part number C0-00AC which costs \$30.50 also from automation direct
- Program would cost \$10.00 and programming cord is \$23.50 but it is possible to get something for free (maybe)
- For the design Review:
  - Have control diagram put together for our system
  - Updated budget with our expected purchases
  - Frame drawings and incorporation of the conveyor
- Improvements to the head (most improvements will be done once hay elevator has arrived)
  - Tested Ben's Broom on the debaler tines to see if it helped keep the processing head clear of loose material
  - The broom worked alright, and more are needed to cover the width of the head and another layer might help increase the stiffness

- **Action Items In-Progress**

<b>Action Item</b>	<b>Personnel Responsible</b>	<b>Status</b>	<b>Deadline</b>
Wiki-page Draft	Ben	In-Progress	11-5-2020
Control Algorithm Completion	Evan	In-Progress	11-13-2020
Conveyor Completion	Nathan and Ben	In-Progress	11-13-2020
Improvements to processing head Completion	Hope	In-Progress	11-13-2020
Design Review	All members	In-Progress	11-11-2020

- **New Action Items**

<b>Action Item</b>	<b>Personnel Responsible</b>	<b>Status</b>	<b>Deadline</b>
NA			