	CVD EQUIPMENT CORPORATION CONFIDENTIAL	DOC. NO.: TP-0001
		REVISION: 0.2
TITLE: Part and Drawing Tracker Test Plan		PAGE: 1 of 3

Pre Alpha:

- Test UI for functionality
- Test populated reports for accuracy

Alpha Testing Part 1:


- Initial testing will be conducted privately throughout the building at multiple locations:
 - Quality Control, Machine Shop Office, Quartz, Portables (tablets)
- Test accuracy of locations
- Test for stable connection to website
- Test for stable connection from server to database
- Test and record average time between user entry and server response
- Test exporting of reports at different locations
- Test reliability of barcode scanners - record number of scans between errors
- Test for unexpected server/site crashes that may occur
- Test for unexpected issues caused by irregular use/input
- Test simultaneous user entry (with Doug)
- Test ability of the website to stay running for extended periods of time (2 days minimum with no issues or slowdowns)
- Document and fix bugs that may arise
- Create test summary report at end of testing phase

Potential Issues:

- Irregular/unexpected use or input that is unaccounted for may cause issues with the server
- Exporting of reports to excel may not correctly save on the end user's computer (may save on server instead. Need to confirm that it works properly for each station.)
- Server may slow down or crash after running for extended periods of time
- Site may not handle simultaneous usage properly

Alpha Testing Part 2:

- Last opportunity for major feature requests or changes

	CVD EQUIPMENT CORPORATION CONFIDENTIAL	DOC. NO.: TP-0001
		REVISION: 0.2
TITLE: Part and Drawing Tracker Test Plan		PAGE: 2 of 3


- Semi-private testing of the websites with selected users (between 1 and 5 testers for websites)
- Test for security of website
 - Who has access to and can change the files, who can run/stop the server, create secure way of editing code and database, test for possible threats (code injection, etc.)
- Test for handling of real work load by having high volume usage by users for the first time
- Test for handling multiple users for extended periods of time (minimum 2 days)
- Test for ease of use (ideally users would not need instructions to use site)
- Test for continued stable connection to database and server
- Request feedback for site interaction, additional features, ease of use, and any bugs that may occur
 - Will have google form that users can enter in comments, issues, and rate the overall experience using the site.
- Update website based on user feedback
- Document and fix any additional bugs
- Create test summary report

Potential Issues:

- Site may not handle large volume usage properly
- Unexpected issues may occur when being used regularly by end users
- Ease of use may need to be improved based on user feedback

Beta Testing Part 1

- Train employees on usage of website with Q&A
- Public deployment to all employees who will use the system
- Test under full load of all employees who will be using the system
- Test for extended periods of time under full traffic load (1 week of continuous usage minimum)
- Request final user feedback (google form)
- Document and fix any final bugs
- Make final adjustments to site based on user feedback
- Create final test summary report

	CVD EQUIPMENT CORPORATION CONFIDENTIAL	DOC. NO.: TP-0001
		REVISION: 0.2
TITLE: Part and Drawing Tracker Test Plan		PAGE: 3 of 3

- Deploy website for full usage with the end user understanding that it is still in Beta

Potential Issues:

- Employees may not understand how to properly use website initially
- Last minute requests may cause issues for the website as a whole