1. **Revision Log**

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| Revision Log |
| Revision Level | Revision Date | Section | Description | Revised By |
| REL | 3/8/17 | N/A | Initial release | NT |
| A | 3/8/19 |  | Changed Title Format to match the other Global StandardsMany Updates | NT |
| B | 8/3/21 | 5.4.45.4.6 | Updated requirements for 5.4.4Removed “Finalized MFEMA” requirement | NT |
| C | 12/1/23 | Header | Replaced GHSP logo with newer version | B. Balok |
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| Approval: | CN: RS | MX: DM |
| US: JA | Other (as req’d): DRW |

1. **Purpose:**
	1. To define the standard of what must be included in the Assembly Equipment Manual, when purchasing custom built equipment, for all GHSP manufacturing facilities.
2. **Scope:**
	1. This global standard applies to all GHSP manufacturing facilities.
3. **Definitions:** N/A
4. **References:**
	1. PD-FORM-MFG-121-NA-Equipment-RFQ
5. **Method:**
	1. The manual must be in an electronic format and stored on a USB storage device. ***2 devices*** must be included with the equipment.
	2. A hard copy of the electrical schematics must be included with each station and stored inside of the electrical panel in a document holder.
	3. Any deviation from the required manual content would need to be approved in writing from the GHSP employee requesting the equipment.
	4. The manual must contain:
		1. All 3D design files. Formats will be:
			* Native
			* Solidworks
		2. Detailed drawings of all details. Formats will be:
			* Native
			* PDF
		3. Recommended spare parts list related to high wear items and long lead purchased items
		4. Purchased parts list, including supplier, with equipment cut sheets
			* All warranties available on the equipment will be listed. The list will include length of warranty and expiration date. All warranties will be setup in GHSP’s name.
			* All vendor calibration certifications will be included (i.e. load cells, screw drivers, etc.).
		5. Maintenance requirements
		6. Safety instructions
		7. Electrical schematics. Formats will be:
			* AutoCAD
			* PDF
		8. Pneumatic schematics. Formats will be:
			* Native
			* PDF
		9. Hydraulic schematics. Formats will be:
			* Native
			* PDF
		10. Ladder diagrams. Formats will be:
			* Native
			* PDF
		11. HMI program (if equipped) operations diagram that includes screen shots
		12. The latest operating system programs (i.e. PLC, HMI, Robot, Vision, Laser)
6. **Records:**
	1. All files must be stored in the appropriate SharePoint project number folder
		1. SharePoint / Project # / Manufacturing / Advanced Processing / Deliverables