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| **Group** 27 | Item Tracker |
| **Major:** | **Team members:** |
| CS | Mohammad Aljagthmi |
| EE | Ryan Ly |
| CEG | Jake Manser |
| CS | Donald Taylor |

**Design Standards**

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| Stand. No. | Standard |
| 10 | Wireless fidelity connectivity - IEEE 802.11 |
| 20 | Molded plastic surface textures – SPI standards A-3, B-1, B-2, B-3, C-1, C-2 C-3 |
| 30 | LED production standard - ANSI C82.16-2015 |
| 40 | Home appliance safety standard – UL 60335 |
| 50 | Mobile application standard – ISO/IEC 29179:2012 |
| 60 | Mobile application standard – ISO 9241 |
| 70 | Mobile application standard – ISO 25062 |
| 80 | Input stored data encryption standard – FIPS 180-4 |
| 90 | Device wiring standard – ANSI/NEMA WD 6-2016 |
| 100 | Device data transmission for IP datagrams – RFC 1042 |
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Definitions:

IEEE – Institute of Electrical and Electronics Engineers

SPI – Society of the Plastics Industry

ANSI – American National Standards Institute

ISO – International Organization for Standardization

IEC – International Electrotechnical Commission

NEMA – National Electrical Manufacturing Association

FIPS – Federal Information Processing Standard

RFC – Request For Comments

UL – Underwriters Laboratories