## **End Station ISC Field Rack Layout**

## 42 U 2 U 42 RF Distribution Patch Panel 24 (EX)/28 (EY) $2 U_{39}^{40}$ RF Distribution Patch Panel 25 (EX)/29 (EY) 24.5 MHz Delay Line Phase Shifter 1 U 38 D0900128 2 Ch. RFPD I/Q Demod (RC&ALS) Demodulator RF Patch Panel (4x TNC) 1 U 36 D1000181 1 Ŭ 35 D1201470 2 U 34 79.4 MHz VCO (ALS) D0900605 1 U 32 1 U 31 39.7 MHz Frequency Divider RF Preamplifier 39.7 MHz 2 Ch. Phase/Freq. Discriminator D1002182 D1201294 1 U 30 D1002476 29 1 U <sub>28</sub> Common Mode Servo (ALS Laser Locking) D090178 Common Mode Servo (ALS Cavity Locking) 1 U 26 25 LSC Demod Concentrator 5 ASC Demod Concentrator 6 Auxiliary Signals Concentrator 2 Auxiliary Signals Concentrator 1 Auxiliary Signals Concentrator 5 Dual DSUB Breakout Panel 1 U 24 1 U 23 1 U 22 1 U 21 1 U 20 D1100696 D1102045 D1102065 D1201352 1 U 19 D1201450 18I 1 U 16 ISC Whitening Chassis for WFS A D10025 WFS I/Q Demodulator WFS\_A Demodulator Patch Panel D0902796 1 Ū 13 D110090 1 U 12 WFS I/Q Demodulator WFS\_B D0902796 1 U 10 ISC Whitening Chassis for WFS\_B D100255 Legacy iLIGO WFS PD Interface Differential to Single Ended Converter 1 U 8 1 U 7 D110074 D110048 1 U 5 1 U 4 1 U 3 ISC Whitening Chassis Dual QPD Transimpedance Amplifier Dual QPD Transimpedance Amplifier D10025 D100248 D100248 1 Ü 2 D10025 ISC Whitening Chassis 1 Ŭ 1 Do not use

**End Station Field Rack** 

## Color Key

