End Station ISC Field Rack Layout

42 U 2 U 42 RF Distribution Patch Panel 24 (EX)/28 (EY) 41 $2 U_{39}^{40}$ RF Distribution Patch Panel 25 (EX)/29 (EY) 1 U 38 24.5 MHz Delay Line Phase Shifter D0900128 2 Ch. RFPD I/Q Demod (RC&ALS) Demodulator RF Patch Panel (4x TNC) 1 U 36 1 U 35 D1000181 D1201470 2 U 34 1 U 32 1 U 31 79.4 MHz VCO (ALS) D0900605 39.7 MHz Frequency Divider RF Preamplifier 39.7 MHz 2 Ch. Phase/Freq. Discriminator D1002182 D1201294 1 U 30 D1002476 29 1 U 28 D0901781 Common Mode Servo (ALS Laser Locking) 1 U 26 Common Mode Servo (ALS Cavity Locking) D0901781 1 U 24 1 U 23 1 U 22 1 U 21 1 U 20 LSC Demod Concentrator 5 ASC Demod Concentrator 6 D1100696 Auxiliary Signals Concentrator 2 Auxiliary Signals Concentrator 1 Auxiliary Signals Concentrator 5 Dual DSUB Breakout Panel D1102045 D1102065 D1201352 1 U 19 D1201450 1 U 18 D1500027 **Auxiliary Signals Concentrator 6** 1 U 16 ISC Whitening Chassis for WFS A D1002559 1 U 14 1 U 13 WFS I/Q Demodulator WFS_A Demodulator Patch Panel D0902796 D1100905 WFS I/Q Demodulator WFS B 1 U 12 D0902796 ISC Whitening Chassis for WFS_B Differential to Single Ended Converter (ALS WFS PZT) Legacy iLIGO WFS PD Interface Differential to Single Ended Converter (Input PZT) 1 U 10 1 U 9 1 U 8 1 U 7 D1002559 D1100482 D1100749 D1100482 6 ISC Whitening Chassis Dual QPD Transimpedance Amplifier Dual QPD Transimpedance Amplifier ISC Whitening Chassis 1 U 5 1 U 4 1 U 3 1 U 2 D100255 D1002481 D1002481 D1002559 Do not use

End Station Field Rack

Color Key

