Priority	When:	Lead:	LLO Post O1 EE Tasks Description	sub system:	Notes:	bugzilla #:	ECR
	Need to coordinate with Janeen and Brian O	Michael L.	71 MHz seperate oscillator for SEI CPS	SEI	Need full IFO, so during commissoning phase		
	Emailed	Carl	SEI Coil Driver hardware watch dog WD modifications and cable install	SEI	Radar to do?	**Bug 1011**	HowtoinstalltheDriverCutoffboard
	Emailed	Michael L.	18 Bit DAC upgrade	SUS	Need 5 more cards (emailed RM)	945	E1500217
	Emailed	Carl	AA/AI filter board update to v6	SUS		463	919
		Carl	swap out pre-production PI electronics for production ones	SUS	Need to complete testing of new units		
		Carl	LV ESD DCN (cap change) DCN E1500443	SUS			E1500341
		Carl	LV ESD new whitening board and front panel	SUS			E1500417
	Emailed	Carl	ITM ESD vacuum feed through modifications	SUS	**During vent!**	**Bug 907**	E1400399
	Aprilish	Carl	ITM LV ESD Design and install (Aprilish)	SUS			
		Carl	ECR: Upgrade monitor channels on the Low-noise, Low-voltage Electro-static Driver	SUS			
		Carl	Move SUS ITM Feild racks to proper location and rearange chassis to match drawings	SUS			
		Carl	L1 ITMY (QUAD) L1 (UIM) UR channel actuation failure	SUS	See spsh ECRS Issues Bugs	871	https://services.ligo-wa.caltech.edu/integrationissues/show_bug.cgi?id=871
	Emailed	Carl	ITMX (D1200059) Cables #56=F3-2C1=UIM & #57=F3-2c2=PUM wrong in-Vac	SUS			
		Carl	Install ISC Auxiliary Signals Concentrator 6 in End station ISC feild racks	ISC	Need to move Picomotor and PD amps to optic table or sus rack	923	E1400311-v2
		Michael L.	RF coupling modificatons?	ISC	Requires IFO commissioning time, and PSL access		
		Adam	connect RT system to Beckhoff	ISC			
		Adam	install the relay switch for the ALS laser noise eater at Xend	ISC		**716**	
		Carl	EtherCAT Corner Station Chassis 6; his is for adding the EOM drivers beckhoff terminals	ISC		**937**	E1500135
		Michael L.	VCO modifications	ISC			
		Michael L.	TCS RF install PP in LVEA, Beckhoff cable from R1 to CER, Coax from AOM distro amp to timing comparator in CER	TCS	Need to find or order cable of appropriate length	Bug 1008	**E1500180-v1**
		Michael L.	TCS laser controller swap out locks	TCS			
		Michael L.	TCS RF PP in field racks	TCS			
		Carl	TCS laser chiller summing chassis (D1500268) install	TCS			**ECR E150038-v1**
		Carl	Investigate TCS RTD sensors that are not working?	TCS			
	Emailed	Michael L.	upgrade PEM microphones?	PEM	Jeremy to install cabling		ECR 1500412
		Michael L.	seperate timing DCPS at ends?	PEM	ECR / justification		
		Michael L.	install EOM D0900760 (PSL/ISC)	PSL	need from H1, no other info		
	Still need this?	Carl	Timing work? Fiber install at End Station	CDS	Check with Keith if still needed?		
		Michael L.	Install 485 bus in LVEA for dust monitors	CDS	Jeremy to install cabling Can Comtrol do multidrop?		R1500018-v4
	Yep		Inspect LV ESD Drivers ETMX, ETMY		look for stuff that doesn't belong		
		Carl	beckhoff terminals/power supplies/ and new rear panel for the EtherCAT Corner Station Chassis 6.	ISC			
Cables to Pull:		**Designation**	**From:**	**To:**			
coax		AOM ~40mhZ to comparator	TCS-R1	ISC-C3			

DB 25		AOM ~40mhZ to Beckhoff	TCS-R1	ISC-C2			
DB37		SUS HWWD	SUS-XC1	SUS-XR1			
DB37		SUS HWWD	SUS-YC1	SUS-YR1			
DB37		SUS HWWD	SUS-C5	SUS-R5			
DB37		SUS HWWD	SUS-C5	SUS-R6			