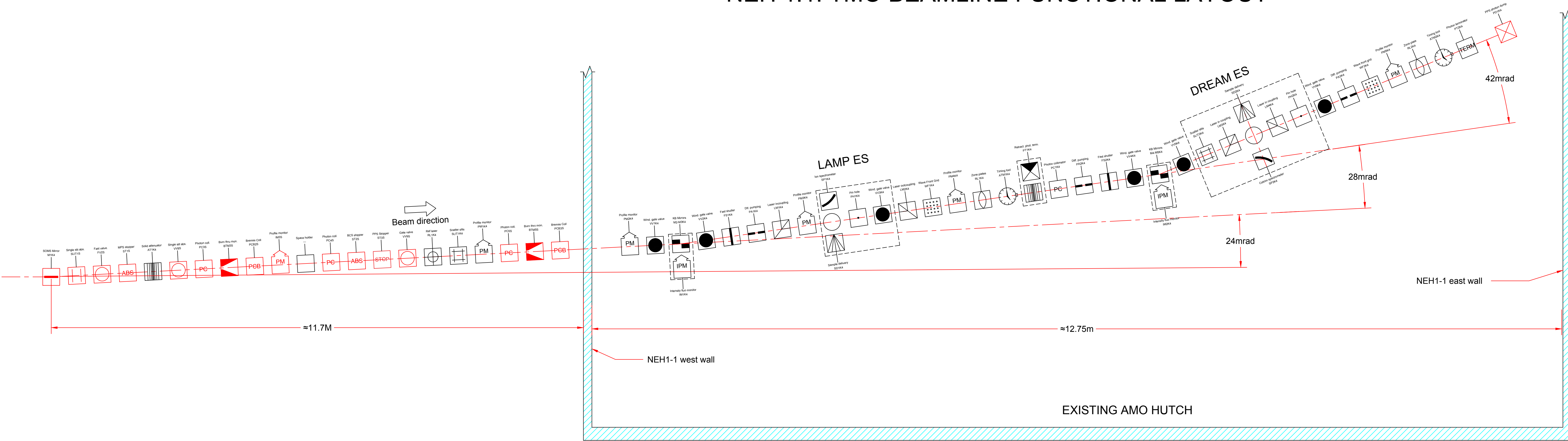


# NEH 1.1: TMO BEAMLINE FUNCTIONAL LAYOUT



NOTES:  
 1 - DIMENSIONS NOT TO SCALE  
 2 - COMPONENTS HIGHLIGHTED IN RED ARE PART OF LCLS2 SCOPE

## LEGEND

BEAM CONTAINMENT SYSTEMS		OPTICS		DIAGNOSTICS		END STATIONS MISC.		VACUUM	
ABS	BCS ABSORBER	SINGLE SLITS ABSORBER	OFFSET MIRROR	DIAGNOSTIC PROFILE MONITOR	SPECTROMETERS	DIFFERENTIAL PUMP	VALVE	WINDOW VALVE	FAST SHUTTER
STOP	PPS BEAM STOPPER	SLITS	KB OPTICS	DIAGNOSTIC INTENSITY MONITOR	GAS JET	VALVE	SAMPLE CHAMBER	WINDOW VALVE	FAST SHUTTER
RETRACTABLE BEAM TERMINATOR		PHOTON COLLIMATOR	IN-COUPLING MIRROR	WAVE FRONT SENSOR	SPACE HOLDER	VALVE	SAMPLE CHAMBER	WINDOW VALVE	FAST SHUTTER
PHOTON TERMINATOR		PHOTON COLLIMATOR (BREM)	OUT-COUPLING MIRROR	WFS PIN HOLE	POSSIBLE COMBINATION OF COMPONENTS	VALVE	SAMPLE CHAMBER	WINDOW VALVE	FAST SHUTTER
PPS BEAM DUMP		BURNT THRU MONITOR	RETRAC. ZONE PLATES	TIMING DIAGNOSTIC	SPACE HOLDER	VALVE	SAMPLE CHAMBER	WINDOW VALVE	FAST SHUTTER
SOLID ATTENUATORS				REFERENCE LASER (LASER IN-COUPLING)					