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DWG. NO. 2500404

SIZE

REV.

SH.

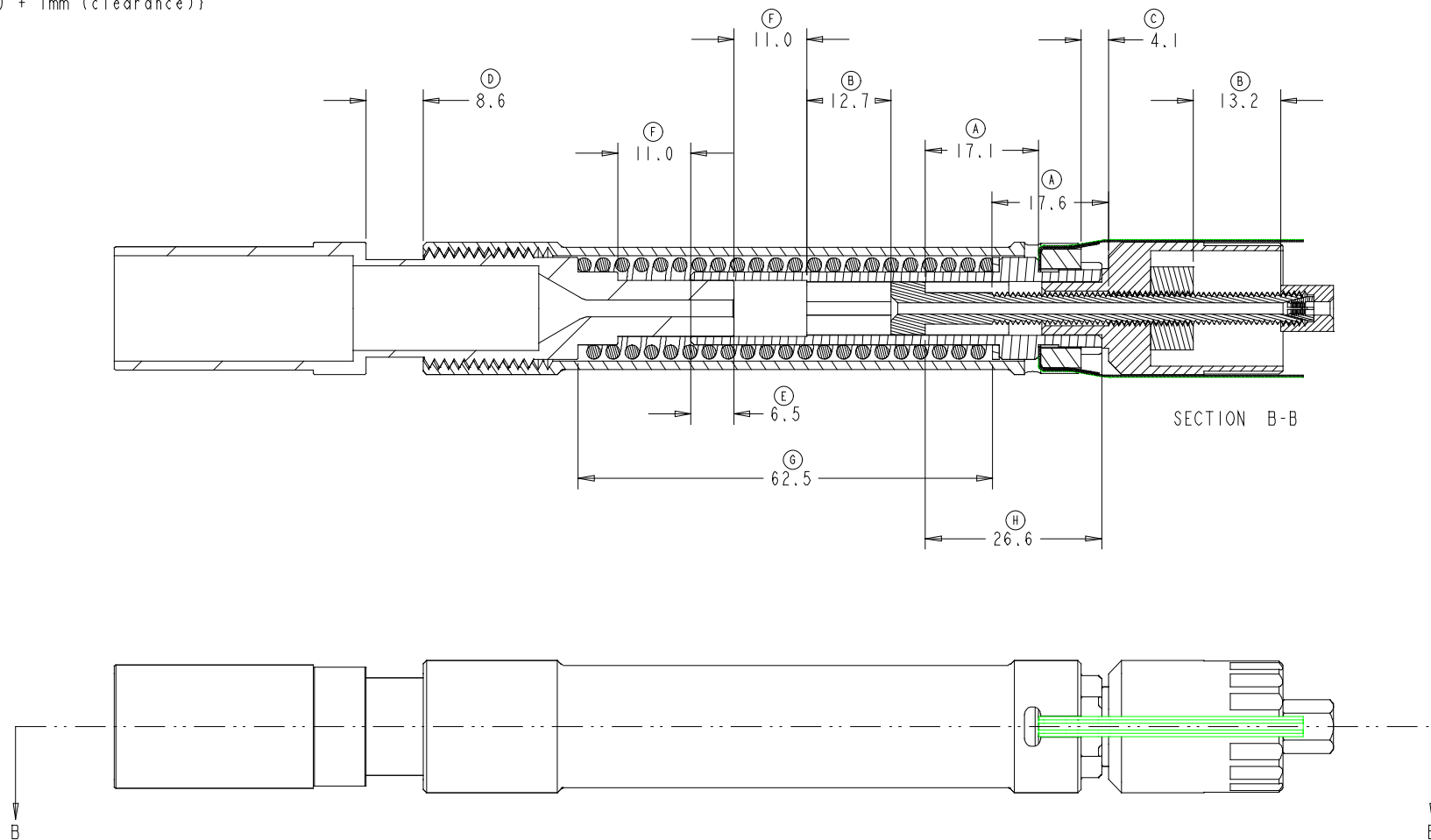
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2

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GAP AND CLEARANCE ANALYSIS:

- (A) Cable tension adjustment - increase: >17 mm (9mm (beampipe align) + 5mm (cable slack) + 3mm (clearance))
- (B) Cable tension adjustment - decrease: >12 mm (9mm (beampipe align) + 3mm (clearance))
- (C) Bakeout overload motion allowance: 4mm
- (D) Spring pre-load adjustment - increase: >8mm (6mm (7kg to 10kg adjustment) + 2mm (10% spring tolerance))
- (E) Spring pre-load adjustment - decrease: >6mm (4mm (plunger pilot engagement) + 2mm (10% spring tolerance))
- (F) Spring plunger travel: >11mm (6mm (7kg to 10kg adj) + 4mm (bakeout) + 1mm (clearance))
- (G) Spring preload dimension for 7 kilogram preset
- (H) Adjuster assembly preset dimension



UNLESS OTHERWISE SPECIFIED					SHOP ORDERS		SER		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
TOLERANCES					ACCT NO.	NO.	DATE	DATE	ATLAS PIXEL DETECTOR BEAM PIPE AND SERVICES SUPPORT Tension Mechanism			
X.X ± 0.5					REL TO	REQD	4	REQD				
X.XX ± 0.05					E Anderssen				SCALE: 2.000			
X.XXX ± 0.01					FINISH				DO NOT SCALE PRINTS			
DO NOT SCALE PRINT					PROJECT NUMBER				51 SHEET 2 OF 2			
THREADS ARE CLASS 2					PROJECT NAME				DWG. NO. 2500404			
CHAMFER ENDS OF ALL SCREW THREADS 30°					BY D Uken		DATE 21-Mar-03		SIZE 1			
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS					CHK N Hariman		DATE		REV.			
BREAK EDGES .019 MAX. ON MACHINED WORK					APR E Anderssen		DATE		2500404			
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE					IN ACCORDANCE WITH ASME Y14.5M & B46.1				1			
REV					DWG		CHK	ZONE	DATE			
									CHANGES			