

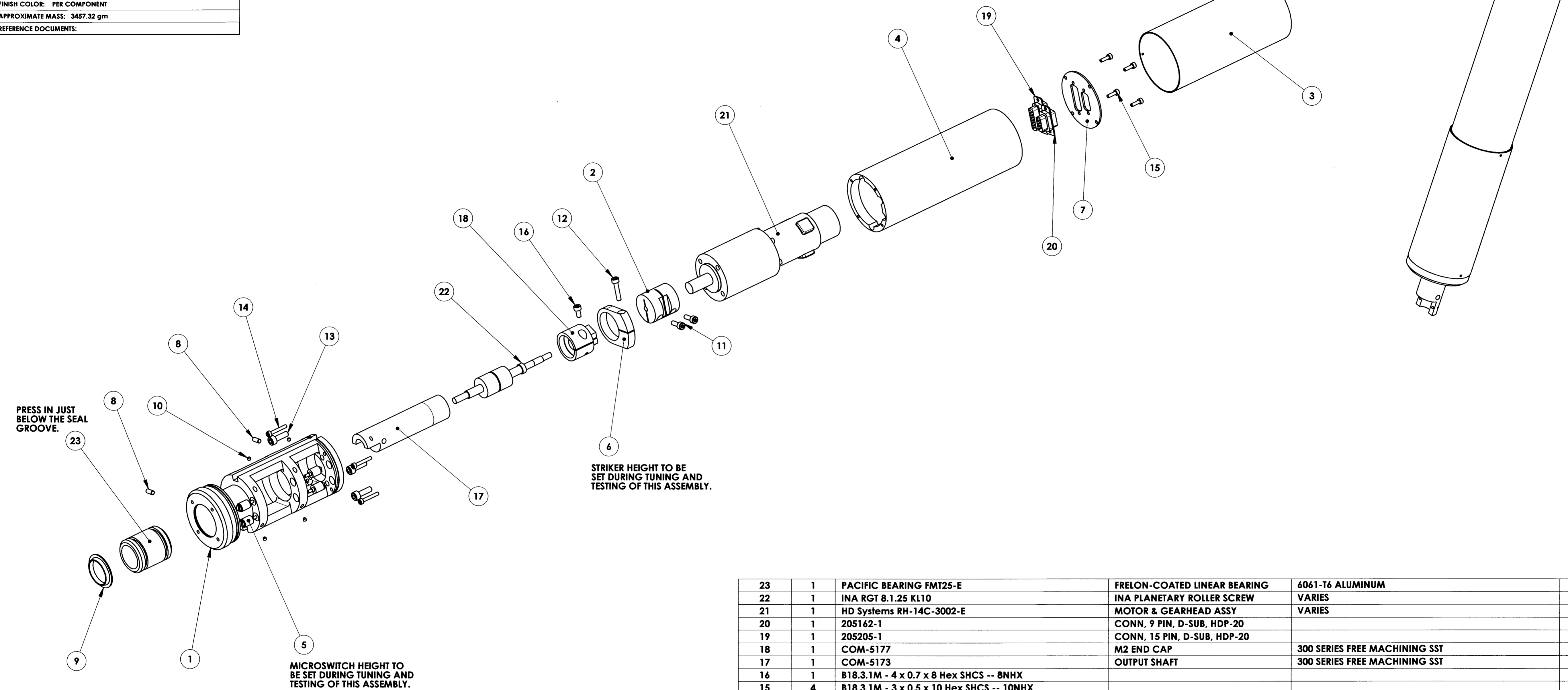
DRAWING NO. **ASY-5171** REVISION **REL-01**

PROJECT CODE: **LICK-51**

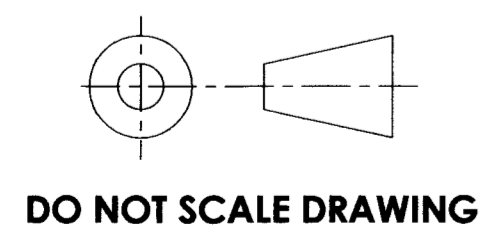
REQUIRED PER TELESCOPE: 3  
 MATERIAL: PER COMPONENT  
 CONDITION: PER COMPONENT  
 SURFACE FINISH: PER COMPONENT  
 FINISH COLOR: PER COMPONENT  
 APPROXIMATE MASS: 3457.32 gm  
 REFERENCE DOCUMENTS:

REV.	DATE	DESCRIPTION	CHK'D	APP'VD	ZONE
1	3-1-05	INITIAL RELEASE	KLW	[Signature]	

Controlled Document  
 Confirm revision before using



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	Material	Weight
23	1	PACIFIC BEARING FMT25-E	FRELON-COATED LINEAR BEARING	6061-T6 ALUMINUM	46
22	1	INA RGT 8.1.25 KL10	INA PLANETARY ROLLER SCREW	VARIES	112
21	1	HD Systems RH-14C-3002-E	MOTOR & GEARHEAD ASSY	VARIES	617
20	1	205142-1	CONN, 9 PIN, D-SUB, HDP-20		
19	1	205205-1	CONN, 15 PIN, D-SUB, HDP-20		
18	1	COM-5177	M2 END CAP	300 SERIES FREE MACHINING SST	94
17	1	COM-5173	OUTPUT SHAFT	300 SERIES FREE MACHINING SST	227
16	1	B18.3.1M - 4 x 0.7 x 8 Hex SHCS -- BNHX			
15	4	B18.3.1M - 3 x 0.5 x 10 Hex SHCS -- 10NHX			
14	4	B18.3.1M - 3 x 0.5 x 20 Hex SHCS -- 20NHX			
13	4	B18.3.1M - 5 x 0.8 x 16 Hex SHCS -- 16NHX			
12	1	B18.3.1M - 4 x 0.7 x 20 Hex SHCS -- 20NHX			
11	2	B18.3.1M - 4 x 0.7 x 12 Hex SHCS -- 12NHX			
10	4	B18.3.6M - M3 x 0.5 x 3 Hex Socket Type I Cup Pt. SS --N			
9	1	THOMSON S-1000-DD	BALL BUSHING SEAL	THOMSON S-1000-DD, 1" OD X 1.38"	
8	2	VLIER SBM4	BALL PLUNGER SET SCREW	M4 X 0.7, SST	0.92
7	1	COM-5179	M2 MOTOR CAN CAP	6061-T6 ALUMINUM 1/16" SHEET	10
6	1	COM-5178	STRIKER	300 SERIES FREE MACHINING SST	53
5	4	ASY-5169	M2 MICRO SWITCH PROTECTOR	PER COMPONENT	3
4	1	COM-5174	M2 MOTOR CAN	6061-T6 ALUMINUM ROUND TUBING	159
3	1	COM-5175	ACTUATOR COVER	6061-T6 ALUMINUM 2.5 DIA. .028 WALL THK. TUBING	71
2	1	COM-5176	CLAMP	300 SERIES FREE MACHINING SST	132
1	1	COM-5172	M2 SWITCH HOLDER	300 SERIES FREE MACHINING SST	1016



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UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 X.X = ±0.25MM  
 X.XX = ±0.10MM  
 ANGLES = ±0.5°  
 ROUNDS AND FILLETS ARE R3.0  
 BREAK ALL SHARP EDGES 0.25MM X 0.25MM

WELDS ARE: MAX SIZE FILLET OR FULL PENETRATION GROOVE WELD AS APPROPRIATE.  
 ALL WELDS ARE CONTINUOUS  
 NEAREST NOMINAL STOCK SIZE MAY BE SUBSTITUTED UPON APPROVAL.  
 INDICATED MACHINED SURFACES  $\checkmark$

DESIGN	G. J. PENTLAND	DATE	2/6/04
DRAWN	K. CLARKE	DATE	2/6/04
CHECKED	[Signature]	DATE	3-1-05
APPROVED	[Signature]	DATE	3-4-05

**EOS TECHNOLOGIES, INC.**  
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**TITLE: M2 QS ACTUATOR ASSEMBLY**

DRAWING NO. **ASY-5171** STATUS **Released** REVISION **REL-01** SHEET SIZE **A1**

SCALE 1:1 SHEET 1 OF 2