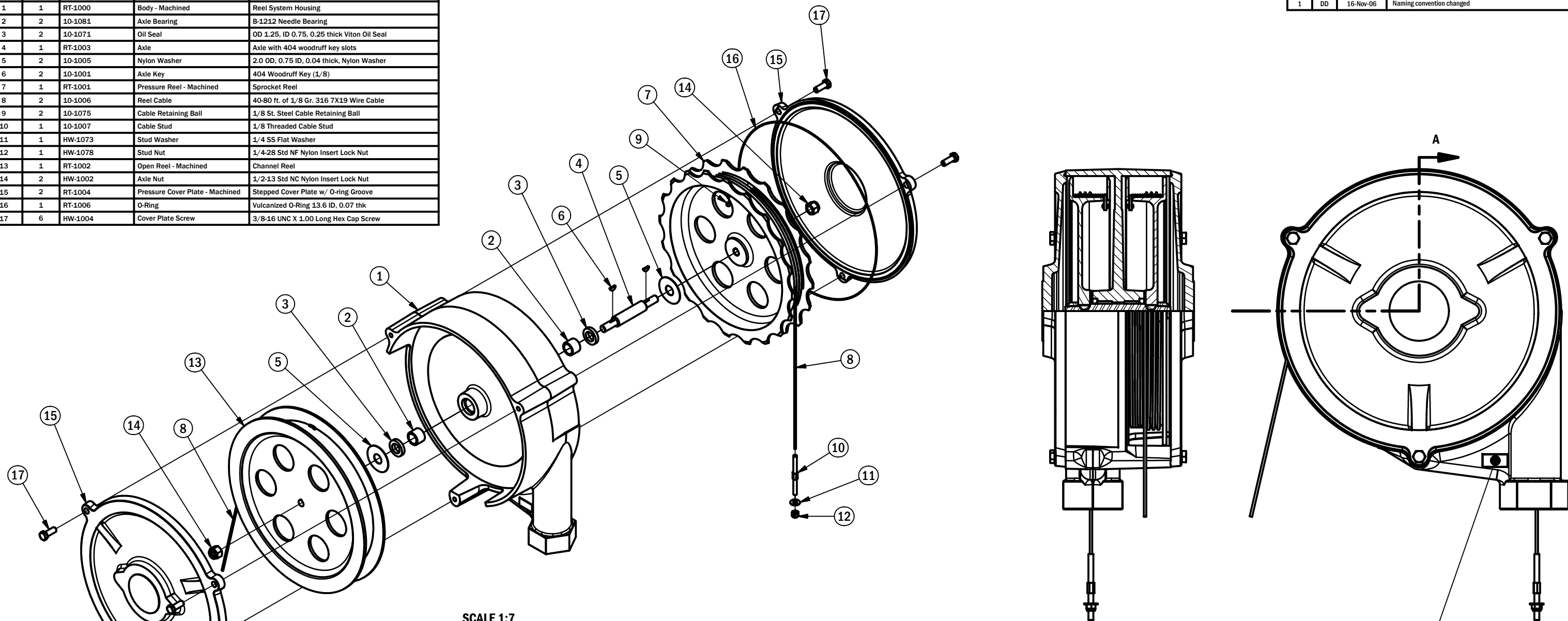


BILL OF MATERIALS				
ITEM	QTY	PART NUMBER	TITLE	DESCRIPTION
1	1	RT-1000	Body - Machined	Reel System Housing
2	2	10-1081	Axle Bearing	B-1212 Needle Bearing
3	2	10-1071	Oil Seal	OD 1.25, ID 0.75, 0.25 thick Viton Oil Seal
4	1	RT-1003	Axle	Axle with 404 woodruff key slots
5	2	10-1005	Nylon Washer	2.0 OD, 0.75 ID, 0.04 thick, Nylon Washer
6	2	10-1001	Axle Key	404 Woodruff Key (1/8)
7	1	RT-1001	Pressure Reel - Machined	Sprocket Reel
8	2	10-1006	Reel Cable	40-80 ft. of 1/8 Gr. 316 7X19 Wire Cable
9	2	10-1075	Cable Retaining Ball	1/8 St. Steel Cable Retaining Ball
10	1	10-1007	Cable Stud	1/8 Threaded Cable Stud
11	1	HW-1073	Stud Washer	1/4 SS Flat Washer
12	1	HW-1078	Stud Nut	1/4-28 Std NF Nylon Insert Lock Nut
13	1	RT-1002	Open Reel - Machined	Channel Reel
14	2	HW-1002	Axle Nut	1/2-13 Std NC Nylon Insert Lock Nut
15	2	RT-1004	Pressure Cover Plate - Machined	Stepped Cover Plate w/ O-ring Groove
16	1	RT-1006	O-Ring	Vulcanized O-Ring 13.6 ID, 0.07 thk
17	6	HW-1004	Cover Plate Screw	3/8-16 UNC X 1.00 Long Hex Cap Screw

REVISION HISTORY				
REV #	BY	DATE	DESCRIPTION	
1	DD	16-Nov-06	Naming convention changed	



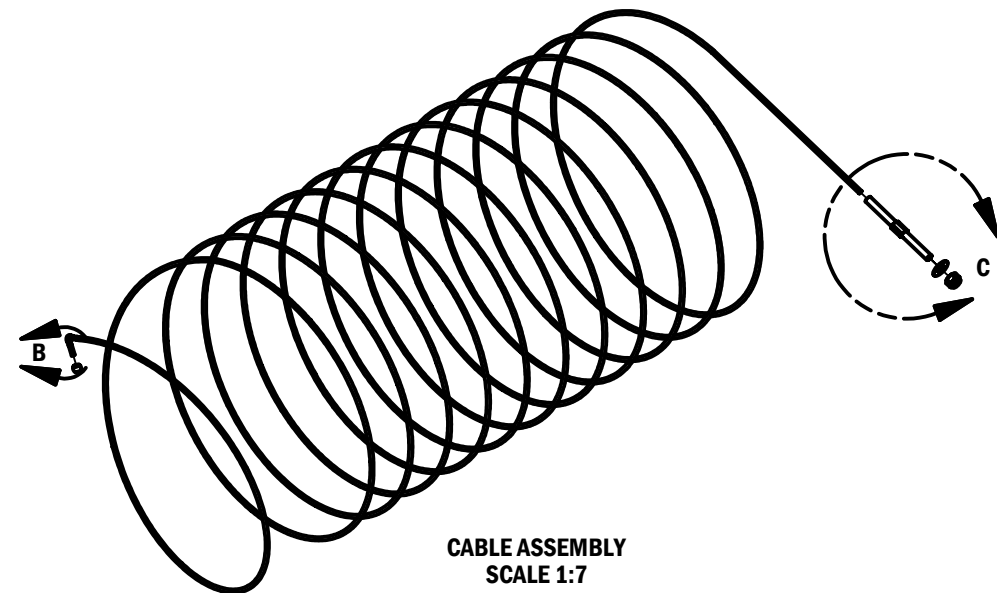
SCALE 1:7

ONCE CABLE IS SECURED TO REEL AND WOUND  
CABLE STUD IS SWAGED ONLY ONTO FREE END  
OF PRESSURE REEL CABLE USING 1/8 STUD DIE.

SECTION A-A

PUNCH SERIAL NUMBER  
ON EXTRUSION

- CABLE RETAINING BALL
1. END OF CABLE IS PLACED THROUGH HOLE ON REEL
  2. PLAIN BALL IS SWAGED ONTO END OF CABLE, USING 1/8 BALL DIE, TO SECURE THE CABLE ONTO THE REEL



CABLE ASSEMBLY  
SCALE 1:7

DETAIL C  
SCALE 1:3

DETAIL B  
SCALE 1:2

TOLERANCES		
DECIMAL	RMS	FRACTIONS
X.X ± 0.050	500	XX-X/X ± 1/16
X.XX ± 0.020	256	X-X/X ± 1/32
X.XXX ± 0.005	128	X-X/X ± 1/64
T.I.R. ± 0.010    <math>\le \pm 1^\circ</math>    THRD ± 1 TURN		
BREAK SHARP EDGES REMOVE ALL BURRS CHAMFER FIRST THREAD MATERIAL PREFERRED		
ALL DIMENSIONS IN INCHES		
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PART # RT-1007		MATERIAL A)
PARTS REQUIRED	PART IN	FINISH / PROCESSING
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BY DD	CHK JH	SCALE 1:5
DATE DRAWN 28-Aug-06		
EST. WEIGHT (LB)		
W.O. #		
DRAWING NUMBER RT-ASM		

EDMONTON, ALBERTA, CANADA

PROJECT / PRODUCT LINE  
RedTail

DRAWING TITLE  
Assembly Drawing

PART NAME  
Redtail Assembly

PART DESCRIPTION  
0-80 ft. Sealed, Mechanically Indicating Gauge Head

REV  
1