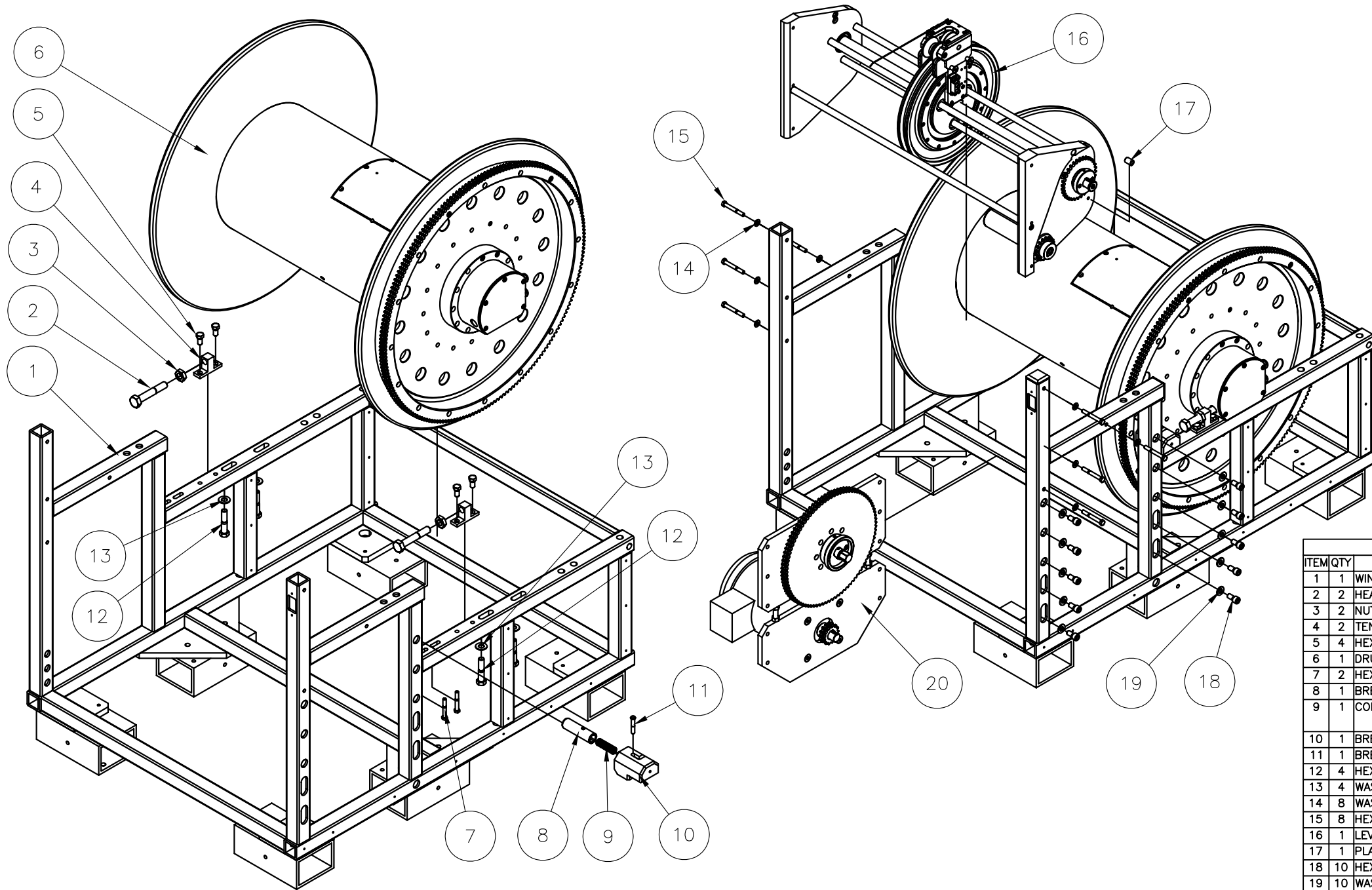


REV. No.	ISSUED FOR	REVISION DESCRIPTION	DR.	CHK.	APP.	DATE

REV	BY	DATE	DESCRIPTION
02	B.P.	10/11/19	ADDED SNAP-RINGS TO SECURE DRUM BEARINGS (DRUM REV. 04)



Parts List						
ITEM	QTY	DESCRIPTION	MATERIAL	PART/DWG.#	NOTE	OEM PART#
1	1	WINCH FREAME	AL.	WA004-03		
2	2	HEAVY HEX BOLT	S.S.	3/4 - 16 - 4.1/2		
3	2	NUT	S.S.	3/4 - 16		
4	2	TENSIONING BLOCK	AL.	W 0102-0		
5	4	HEX BOLT	S.S.	1/2 - 13 x 1		
6	1	DRUM SUBASSEMBLY		WA003-04	SUBASSY.	
7	2	HEX BOLT	S.S.	3/8 - 16 x 2 1/2		
8	1	BREAK PIN	S.S.	IW 0024-00		
9	1	COMPRESSION SPRING	S.S.	C0850-0682500 S	ASSOC. SPRINGS	
10	1	BREAK BLOCK	AL.	IW 0025-00		
11	1	BREAK HANDLE	S.S.	IW 0026-00		
12	4	HEX BOLT	S.S.	5/8 - 11 x 3		
13	4	WASHER	S.S.	5/8		
14	8	WASHER	S.S.	3/8		
15	8	HEX BOLT	S.S.	3/8 - 16 x 3		
16	1	LEVEL WIND		WA002-06	SUBASSY.	
17	1	PLATE SPACER	AL.	W 0032-0		
18	10	HEX.SOC.HEAD CAP SCREW	S.S.	1/2 - 13 x 1		
19	10	WASHER	S.S.	1/2 - NARROW		
20	1	DRIVE TRAIN		WA001-02	SUBASSY.	

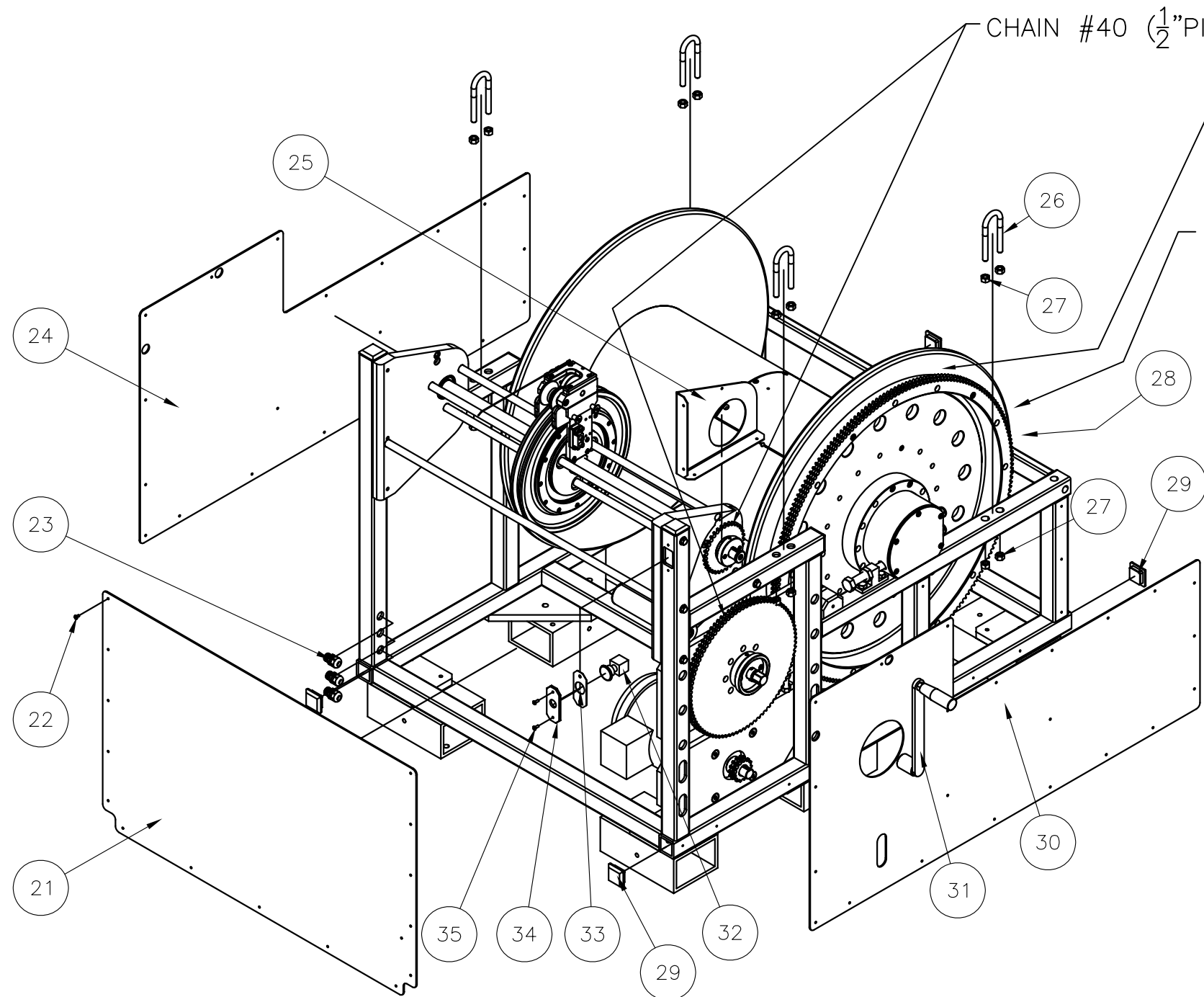
ITEM	PART No	QTY	DESCRIPTION	REMARKS

MASTER BORDER: OFG_B.DWG

OFG NEXT ASSEMBLY	NEXT ASSEMBLY	TOLERANCES:		MM	[INCHES]	Mechanics Design 517 St. Andrews Ave North Vancouver, BC, V7L 4W2, Canada www.mechanicsdesign.com 1-604-250-3375	TITLE Pure Technologies - PIPE INSPECTION WINCH GENERAL ASSEMBLY			
		FRACTIONS ± 1/16	X ± 1	.X ± 0.03						
		ANGLES ± .5°	X.X ± 0.3	.XX ± 0.01						
			X.XX ± 0.13	.XXX ± 0.005						
THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE COPIED OR SHOWN TO OTHER COMPANIES OR PERSONS WITHOUT THE WRITTEN CONSENT OF MECHANICS DESIGN.		DESIGNED:	DATE: 10/11/07	MD DRAWING NUMBER		SCALE: NA	PROJECT No.	DRAWING No.	SHEET No.	REV No.
		DRAWN:	DATE: 10/11/07	B-WA005-02		WEIGHT:	-	B-WA 005-02	1 OF 3	02
		CHECKED:	DATE:							
		APPROVED:	DATE:							

REV. No.	ISSUED FOR	REVISION DESCRIPTION	DR.	CHK.	APP.	DATE

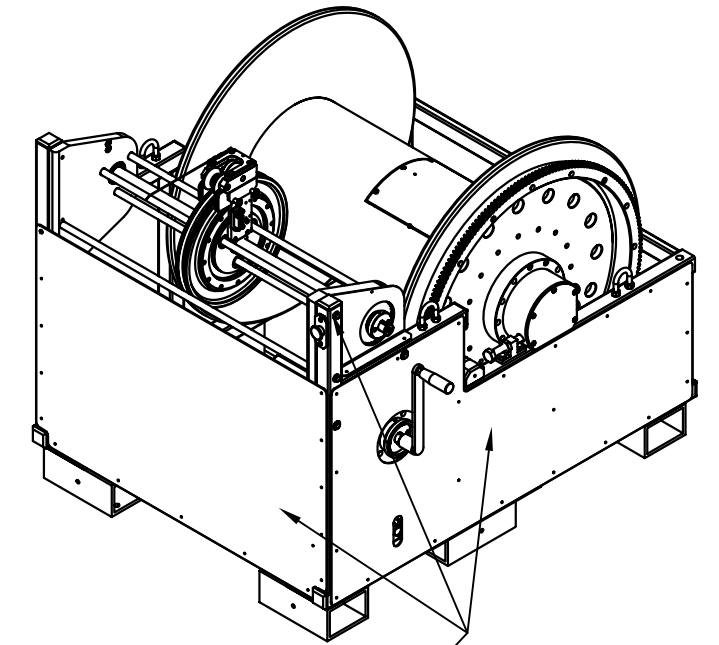
02	B.P.	10/11/19	ADDED SNAP-RINGS TO SECURE DRUM BEARINGS (DRUM REV. 04)
REV	BY	DATE	DESCRIPTION



CHAIN #40 (1/2" PITCH) FOR LEVEL WIND

CHAIN #40-2 (1/2" PITCH) DOUBLE WIDTH FOR BOTH DRIVE STAGES

DRUM CHAIN SHIELD NOT SHOWN FOR BETTER DRAWING CLARITY BUT SUPPLIED WITH WINCH



MOUNTING SHIELDS INSTRUCTIONS:
 USE SHIELD PLATES AS TEMPLATES AND MARK MOUNTING HOLES ON THE FRAME.
 DRILL AND TAP #10-24 AND MOUNT SHIELDS

Parts List						
ITEM	QTY	DESCRIPTION	MATERIAL	PART/DWG.#	NOTE	OEM PART#
21	1	FRONT SHIELD	AL.	W 0083-0		
22	50	PAN HEAD SCREW	S.S.	# 10 - 24 x 3/8		
23	3	1/2' WIRE GLAND	PLASTIC		SKIN TOP	CERSL 1304 0.48 ID
24	1	SHIELD #1	AL.	W 0066-0		
25	1	SHIELD #3	AL.	W 0068-0		
26	4	"U" BOLT	S.S.	W 0065-0		
27	16	HEX NUT	S.S.	1/2 - 13		
28	1	CHAIN SHIELD	AL	W****		
29	8	FRAME PLUG	DELRIN	W 0103-0		
30	1	SHIELD #2	AL.	W 0067-1		
31	1	HAND CRANK	STEEL	AS BUILT		
32	1	EMER. STOP SWITCH		QUAELS HW1B V4F02-R E-STOP SWITCH	QUAELS	HW1B V4F02-R E-STOP SWITCH
33	1	GASKET	RUBBER	W 0082-0		
34	1	SWITCH PLATE	AL	W 0081-0		
35	2	PAN HEAD SCREW	S.S.	# 10 - 24 x 1/2		

ITEM	PART No	QTY	DESCRIPTION	REMARKS

TOLERANCES:	MM	[INCHES]
FRACTIONS ± 1/16	X ± 1	.X ± 0.03
ANGLES ± .5°	X.X ± 0.3	.XX ± 0.01
	X.XX ± 0.13	.XXX ± 0.005
THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE COPIED OR SHOWN TO OTHER COMPANIES OR PERSONS WITHOUT THE WRITTEN CONSENT OF MECHANICS DESIGN.	DESIGNED:	DATE: 10/11/07
	DRAWN:	DATE: 10/11/07
	CHECKED:	DATE:
	APPROVED:	DATE:

Mechanics Design
 517 St. Andrews Ave
 North Vancouver, BC, V7L 4W2, Canada
 www.mechanicsdesign.com 1-604-250-3375

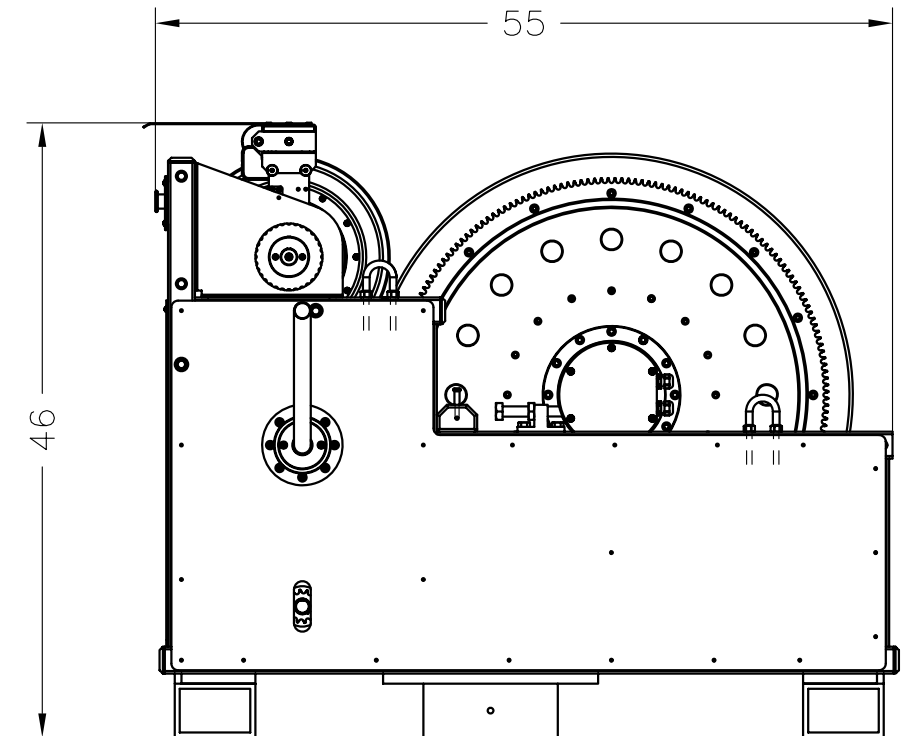
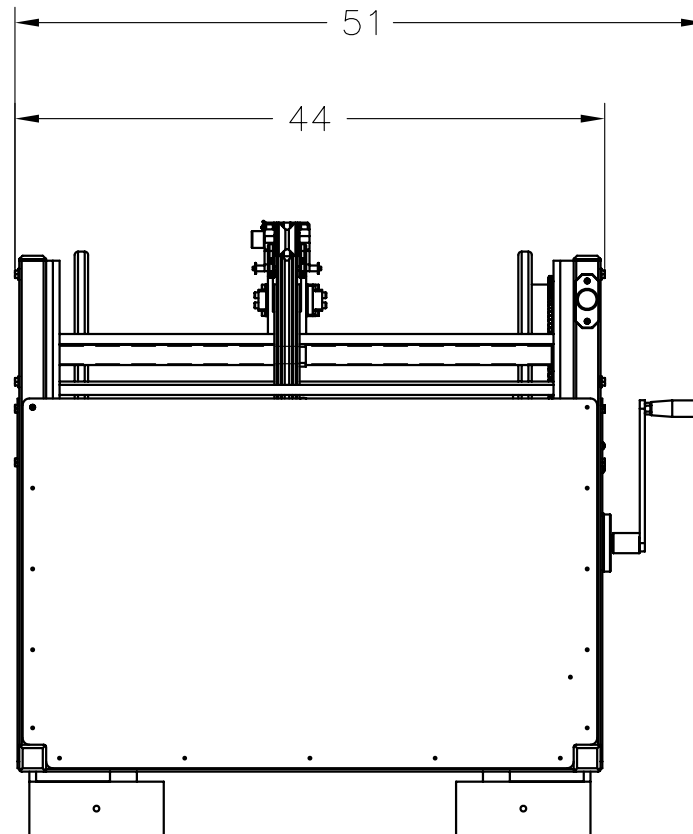
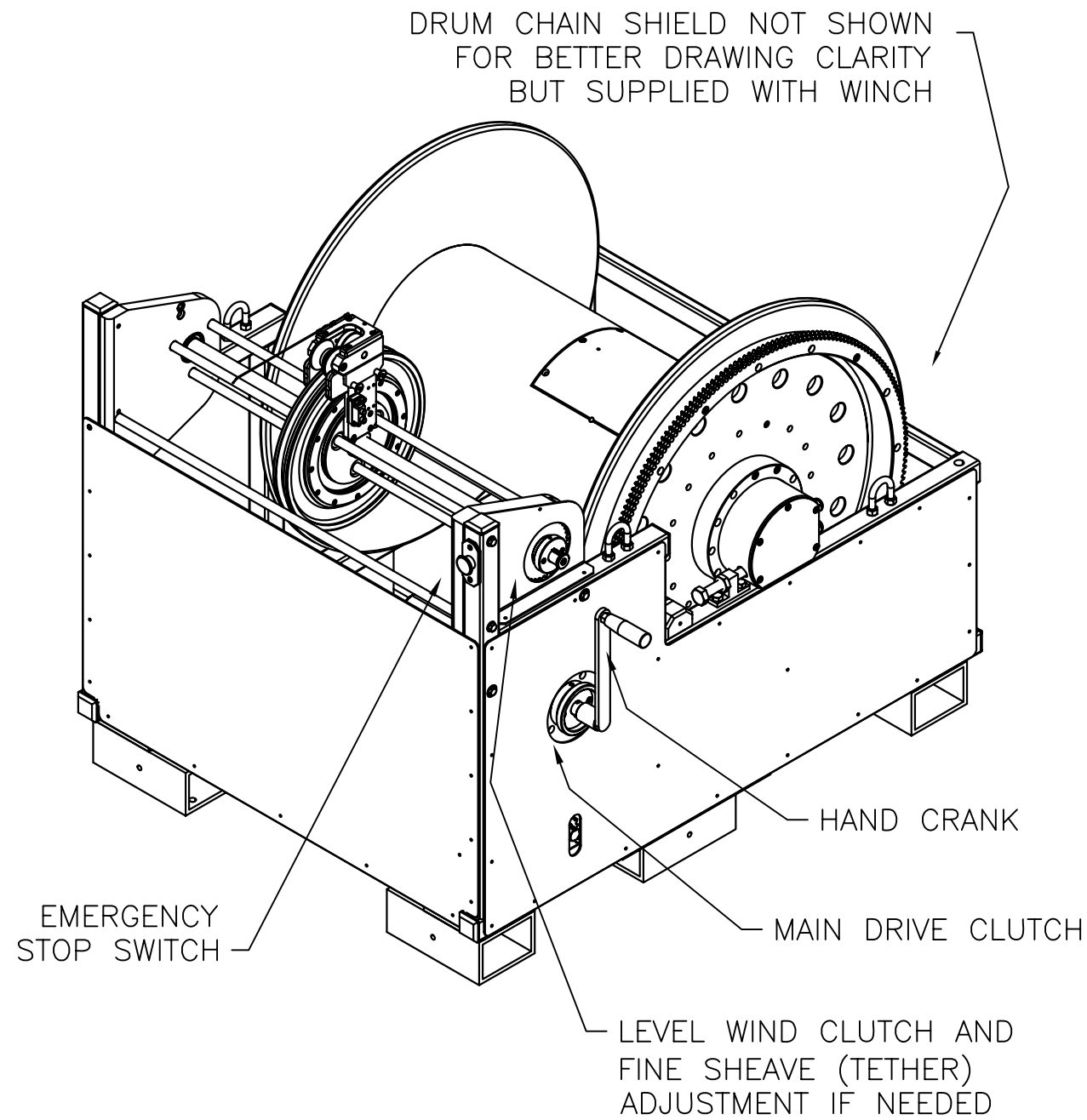
MD DRAWING NUMBER	SCALE: NA
B-WA005-02	WEIGHT:

TITLE			
Pure Technologies - PIPE INSPECTION			
WINCH GENERAL ASSEMBLY			
PROJECT No.	DRAWING No.	SHEET No.	REV No.
-	B-WA 005-02	2 OF 3	02

MASTER BORDER: OFG_B.DWG

REV. No.	ISSUED FOR	REVISION DESCRIPTION	DR.	CHK.	APP.	DATE

02	B.P.	10/11/19	ADDED SNAP-RINGS TO SECURE DRUM BEARINGS (DRUM REV. 04)
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ITEM	PART No	QTY	DESCRIPTION	REMARKS

MASTER BORDER: OFG_B.DWG

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		DRAWN:	DATE: 10/11/07					—	B-WA 005-02	3 OF 3	02	
		CHECKED:	DATE:									
		APPROVED:	DATE:									