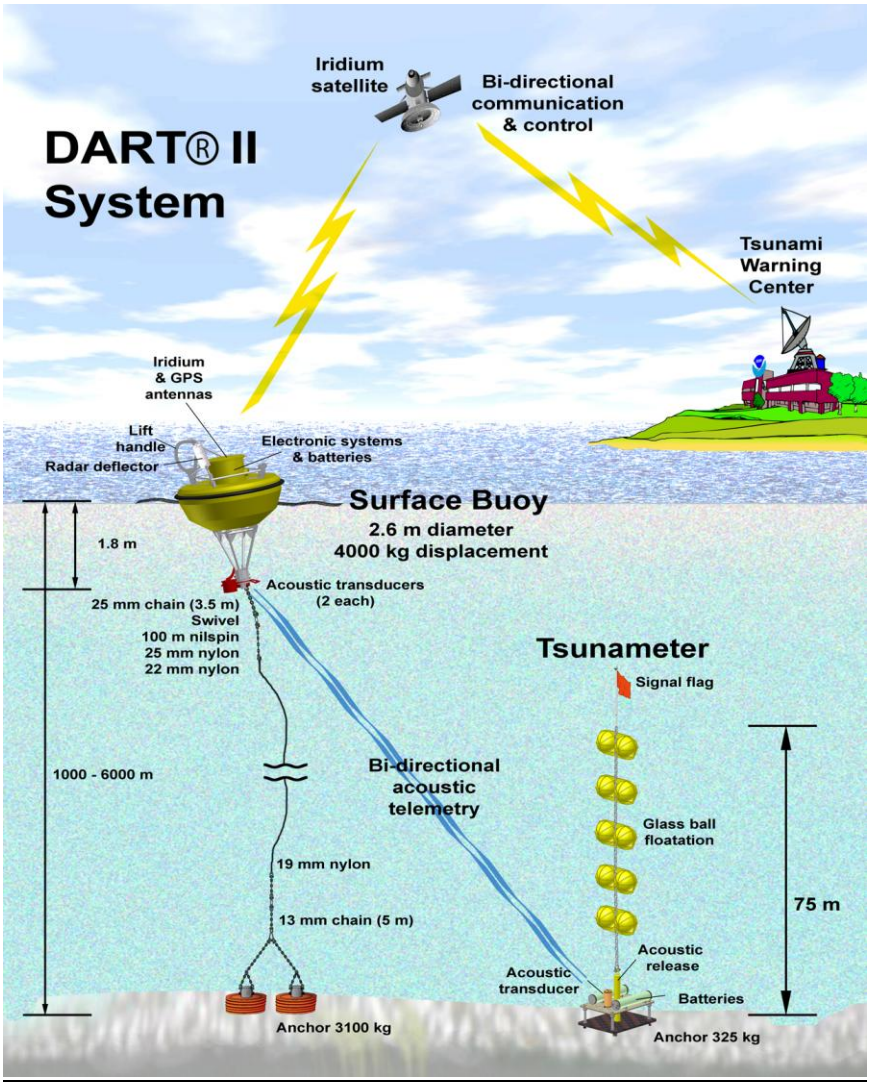
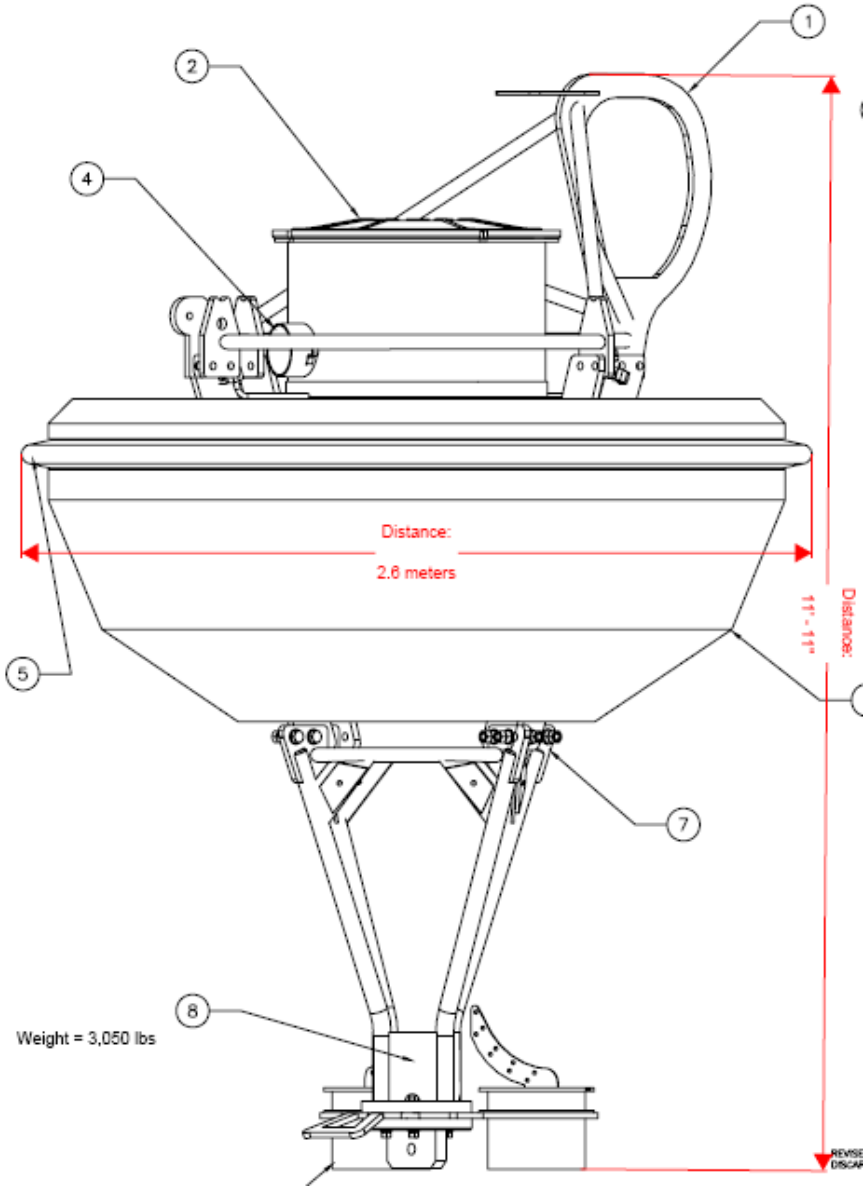
Deep-ocean Assessment and Reporting of Tsunamis (DART®) System. The DART® system is a transportable, real-time, deep-ocean tsunami measurement system that provides early detection and real-time reporting of tsunamis in the open ocean. It consists of an anchored seafloor tsunameter, also referred to as a Bottom Pressure Recorder (BPR), and a companion moored surface buoy for real-time communication. An acoustic link transmits data from the BPR on the seafloor to the surface buoy. Redundant dual payloads housed in the surface buoy are equipped with Iridium satellite modems that provide two-way communications to shore side systems.

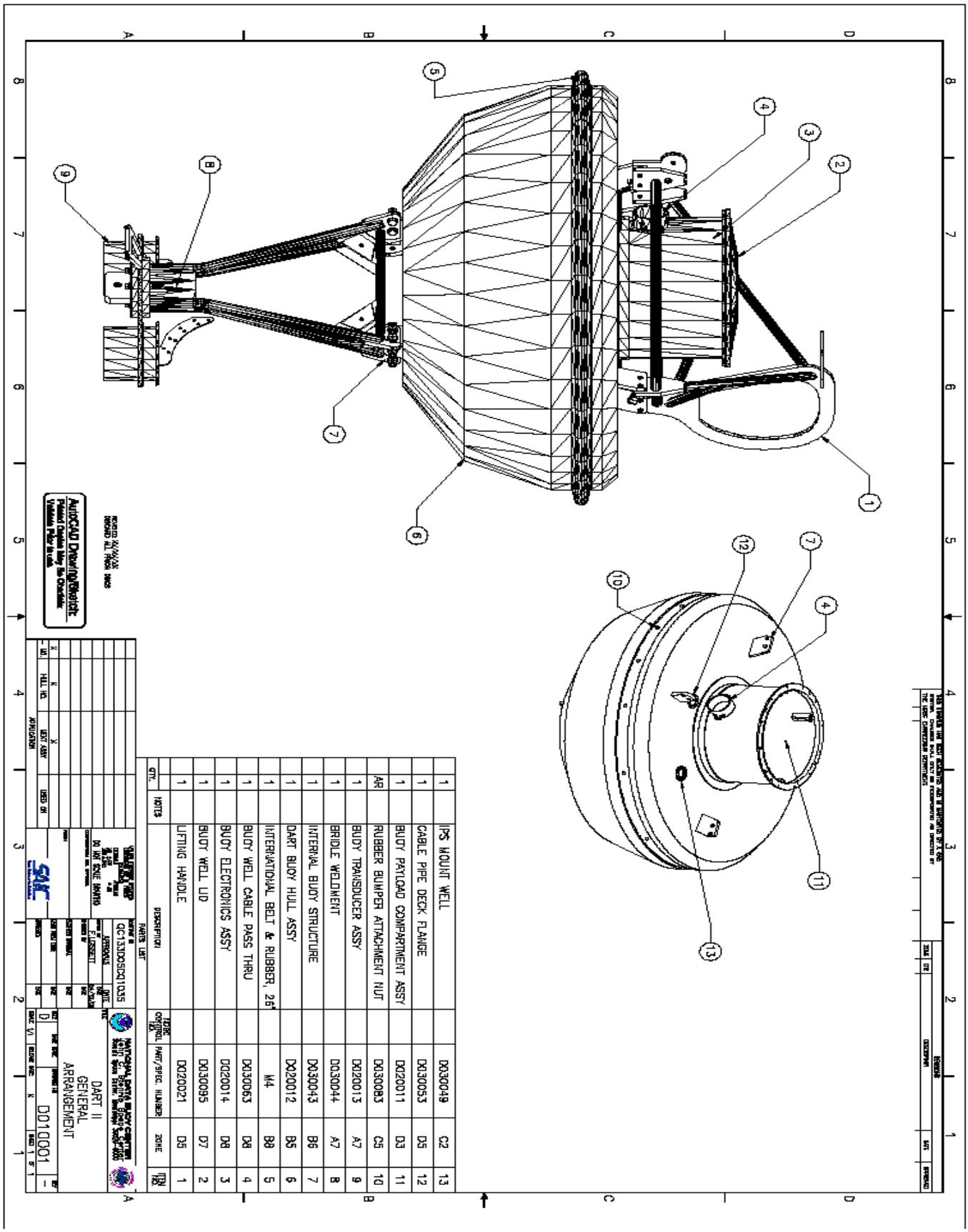
PICTORIAL OF DART BUOY SYSTEM:



Buoy Characteristics.
DART buoy system - overall dimensions and weight.



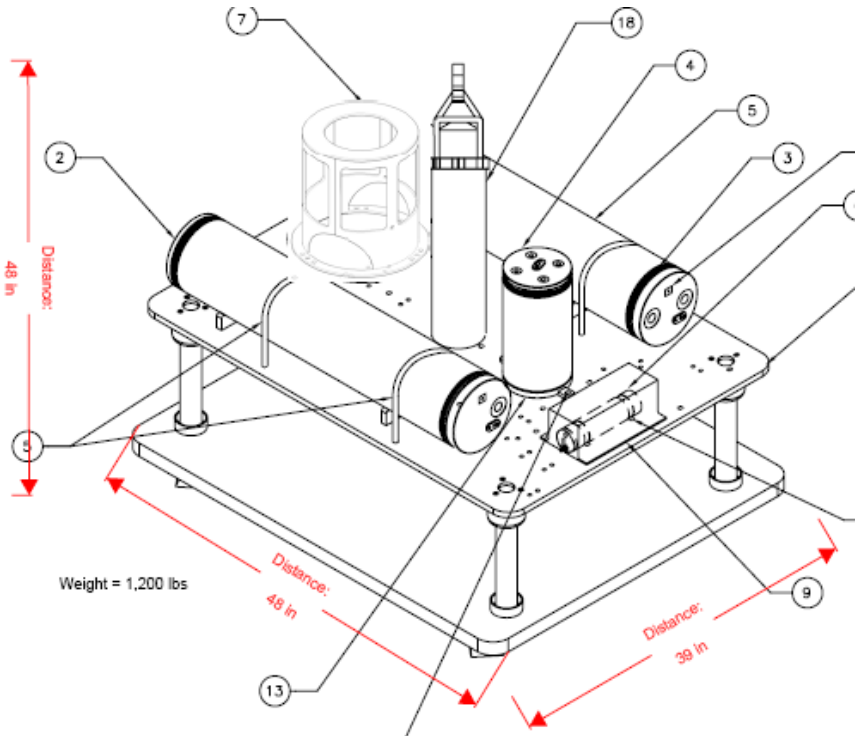
Buoy Characteristics.
DART buoy system – drawing with parts descriptions.



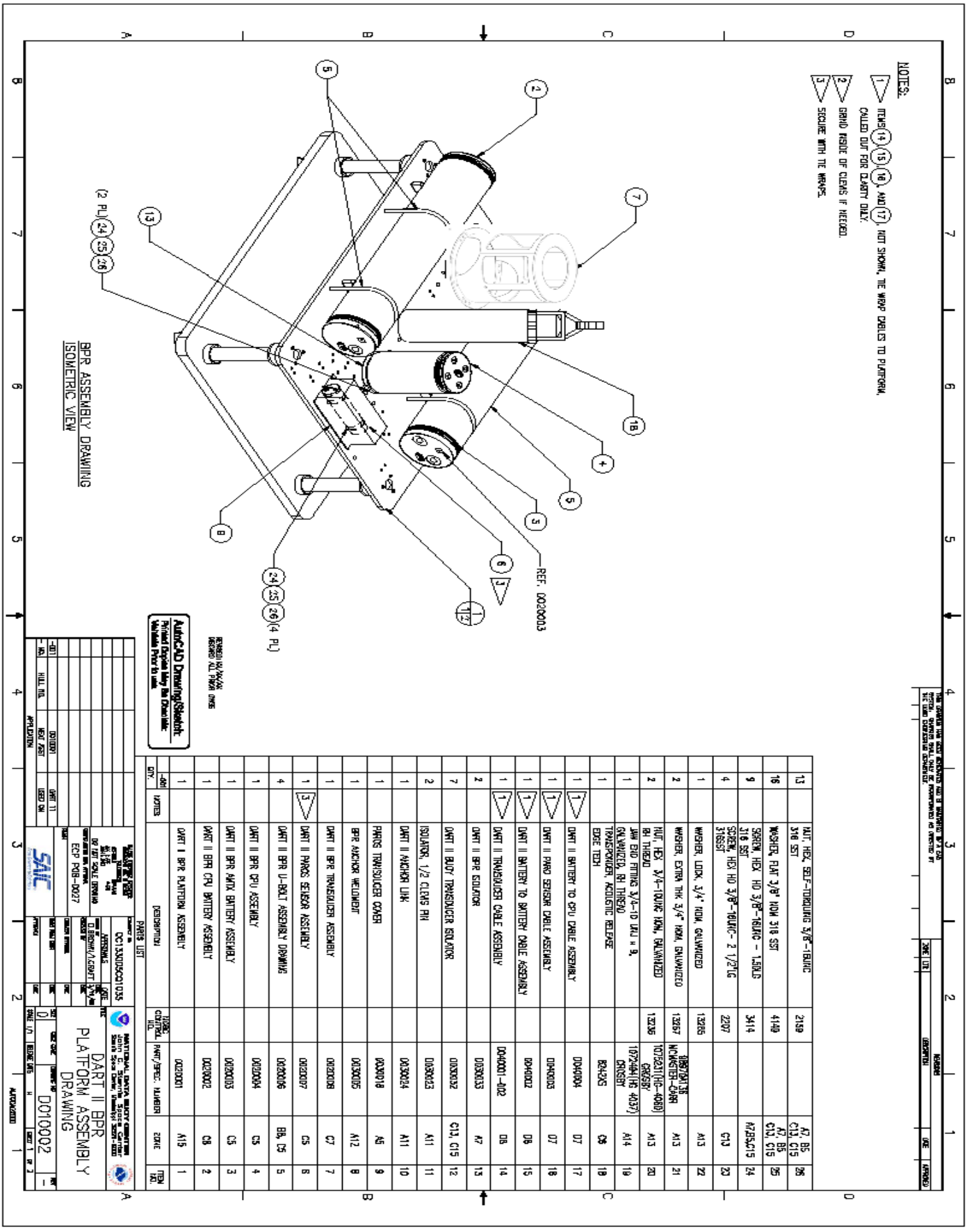
ITEM	QTY.	PART NUMBER	DESCRIPTION	MATERIAL
1	1	D030049	IPS MOUNT WELL	
2	1	D030053	CABLE PIPE DECK FLANGE	
3	1	D020011	BUOY PAYLOAD COMPARTMENT ASSY	
4	AR	D030083	RUBBER BUMPER ATTACHMENT NUT	
5	1	D020013	BUOY TRANSDUCER ASSY	
6	1	D030044	BRIDLE WELDMENT	
7	1	D030043	INTERNAL BUOY STRUCTURE	
8	1	D020012	DART BUOY HULL ASSY	
9	1	M4	INTERNATIONAL BELT & RUBBER, 26"	
10	1	D030063	BUOY WELL CABLE PASS THRU	
11	1	D020014	BUOY ELECTRONICS ASSY	
12	1	D030095	BUOY WELL LID	
13	1	D020021	LIFTING HANDLE	

DART II
GENERAL
ARRANGEMENT
D010001

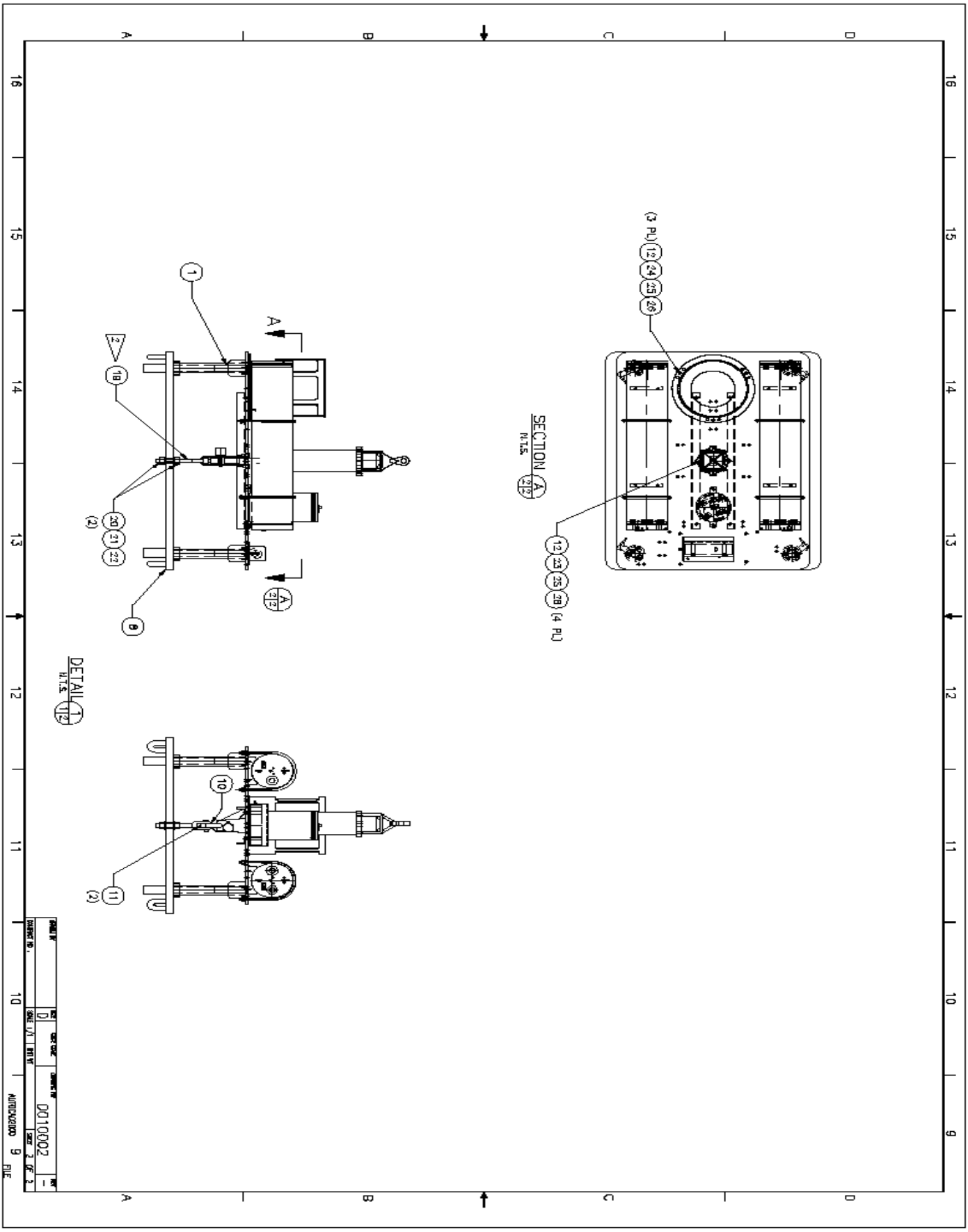
Bottom Pressure Recorder (BPR) Characteristics.
DART BPR system - overall dimensions and weight.



Bottom Pressure Recorder (BPR) Characteristics. (Sheet 1 of 2)
DART BPR System – drawing with parts descriptions.

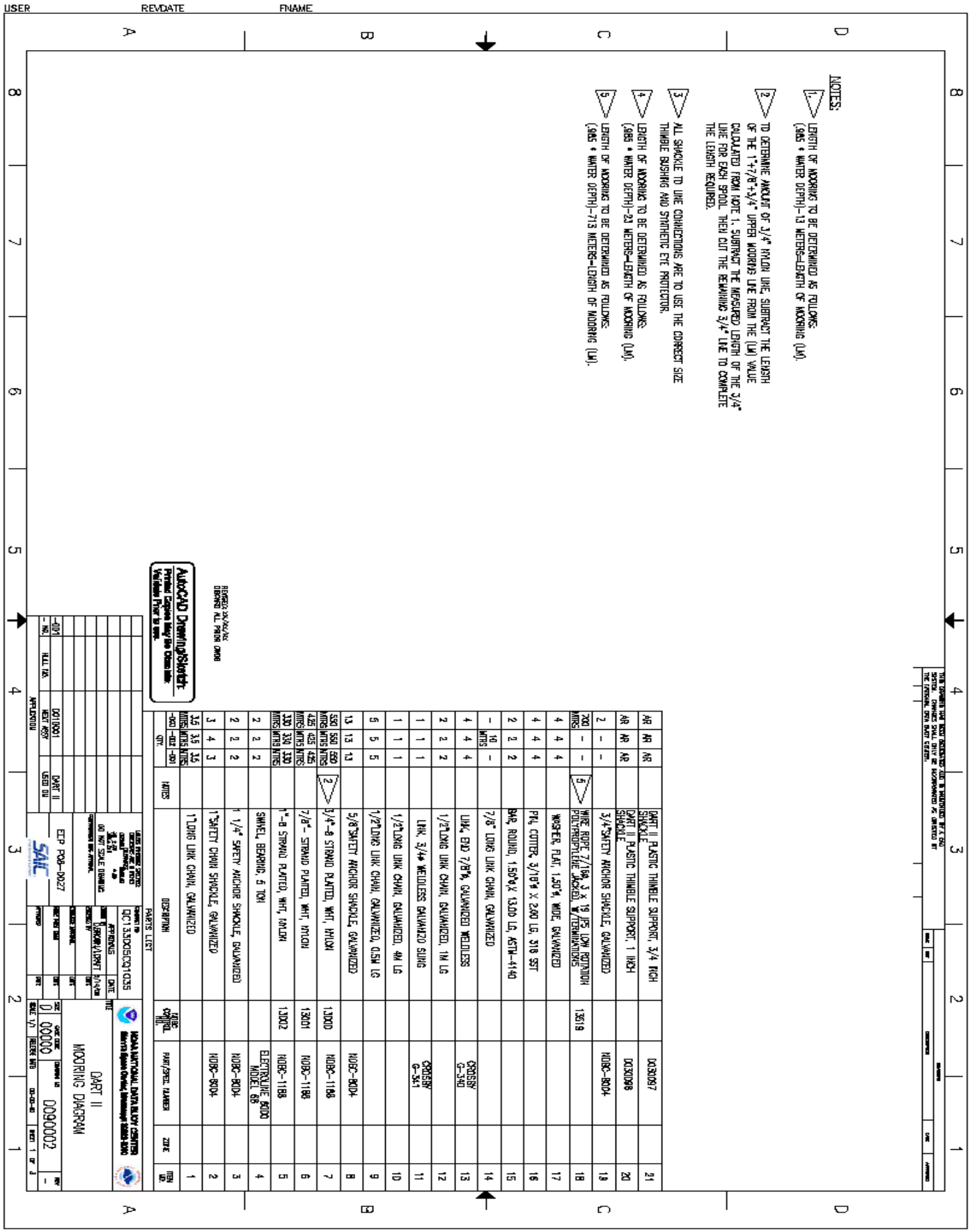


Bottom Pressure Recorder (BPR) Characteristics. (Sheet 2 of 2)
DART BPR System – drawing with parts descriptions.



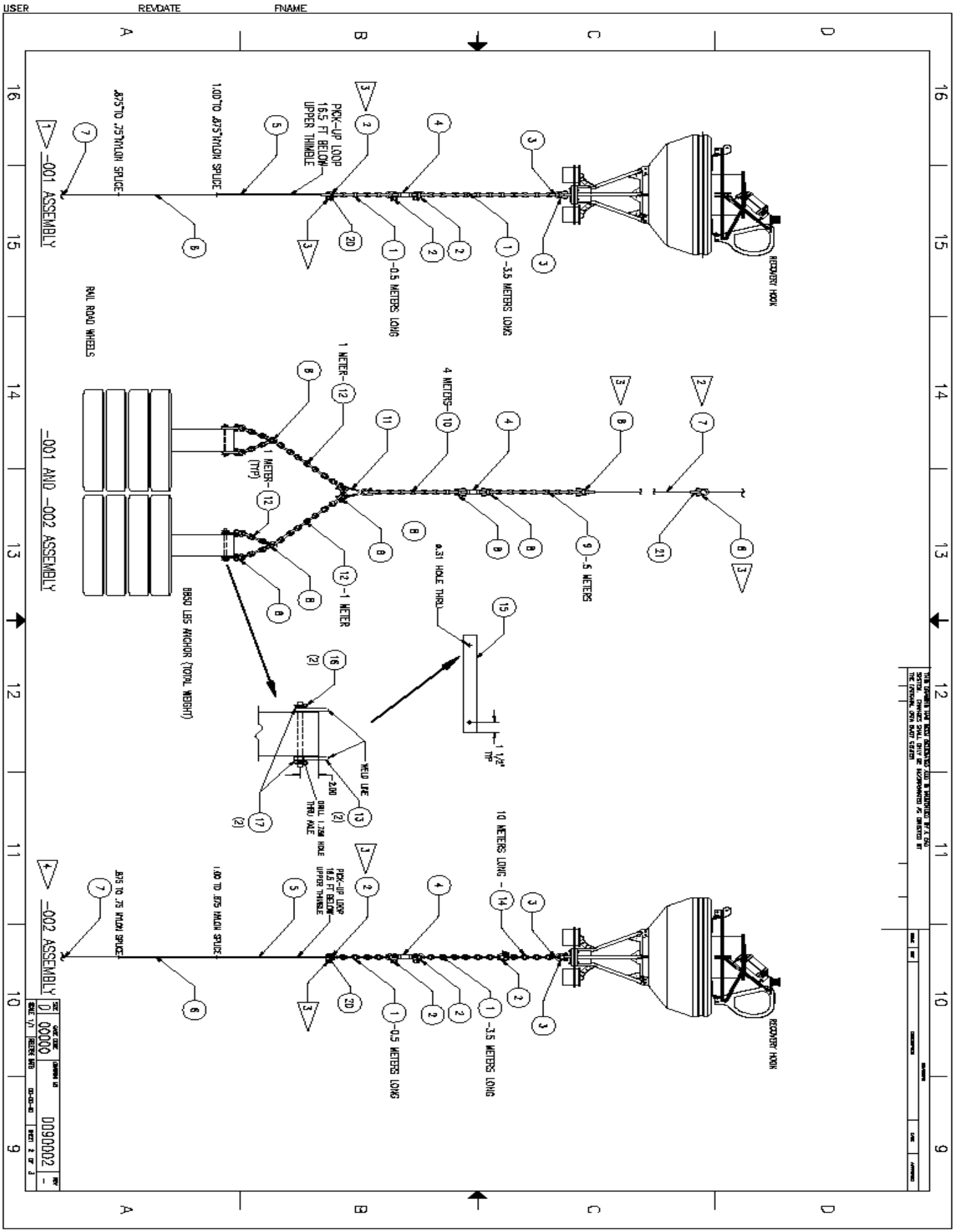
DART BUOY MOORING DIAGRAM: (Sheet 1 of 3)

DART Buoy Mooring System – drawing with parts descriptions.



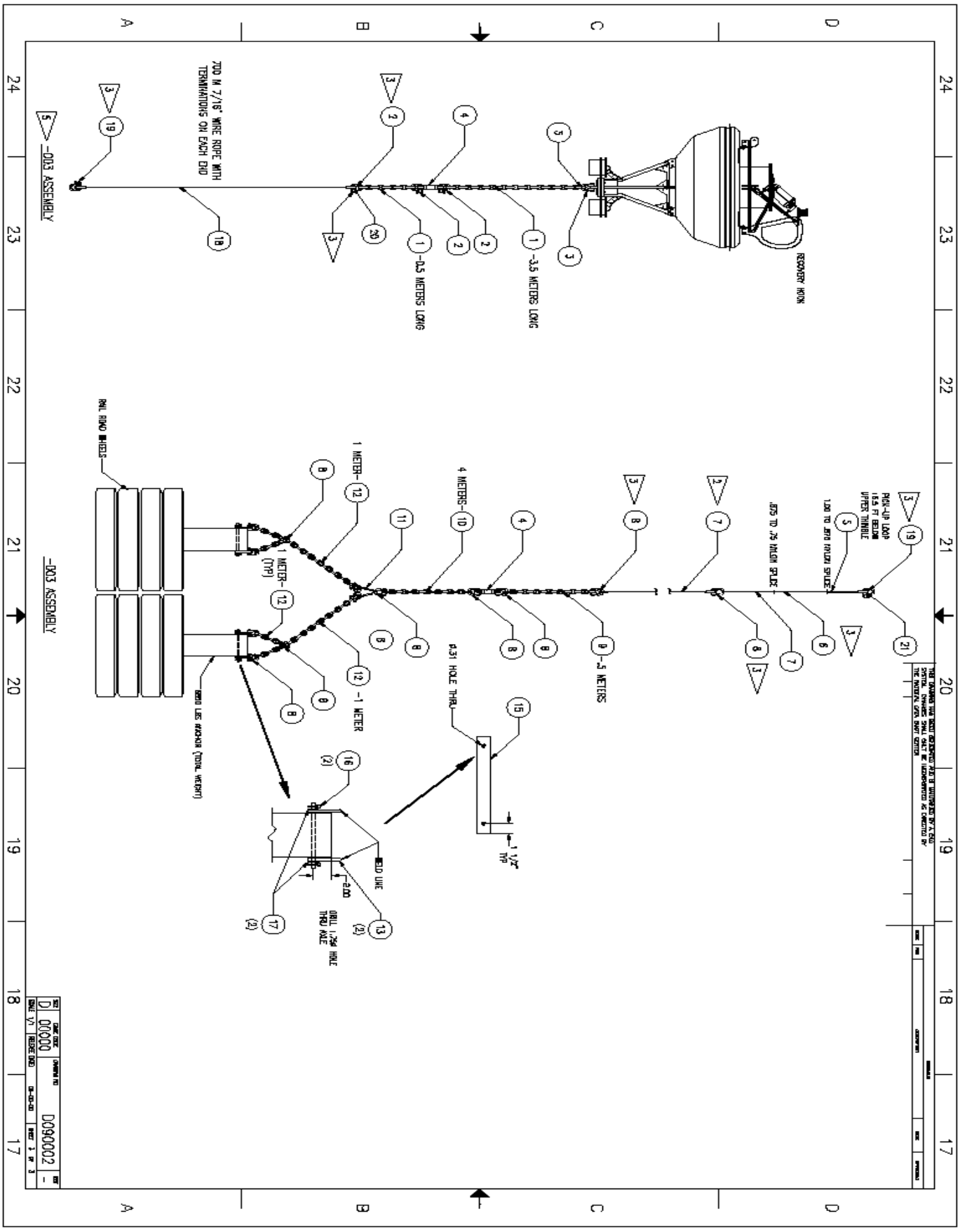
DART BUOY MOORING DIAGRAM: (Sheet 2 of 3)

DART Buoy Mooring System – drawing with parts descriptions.



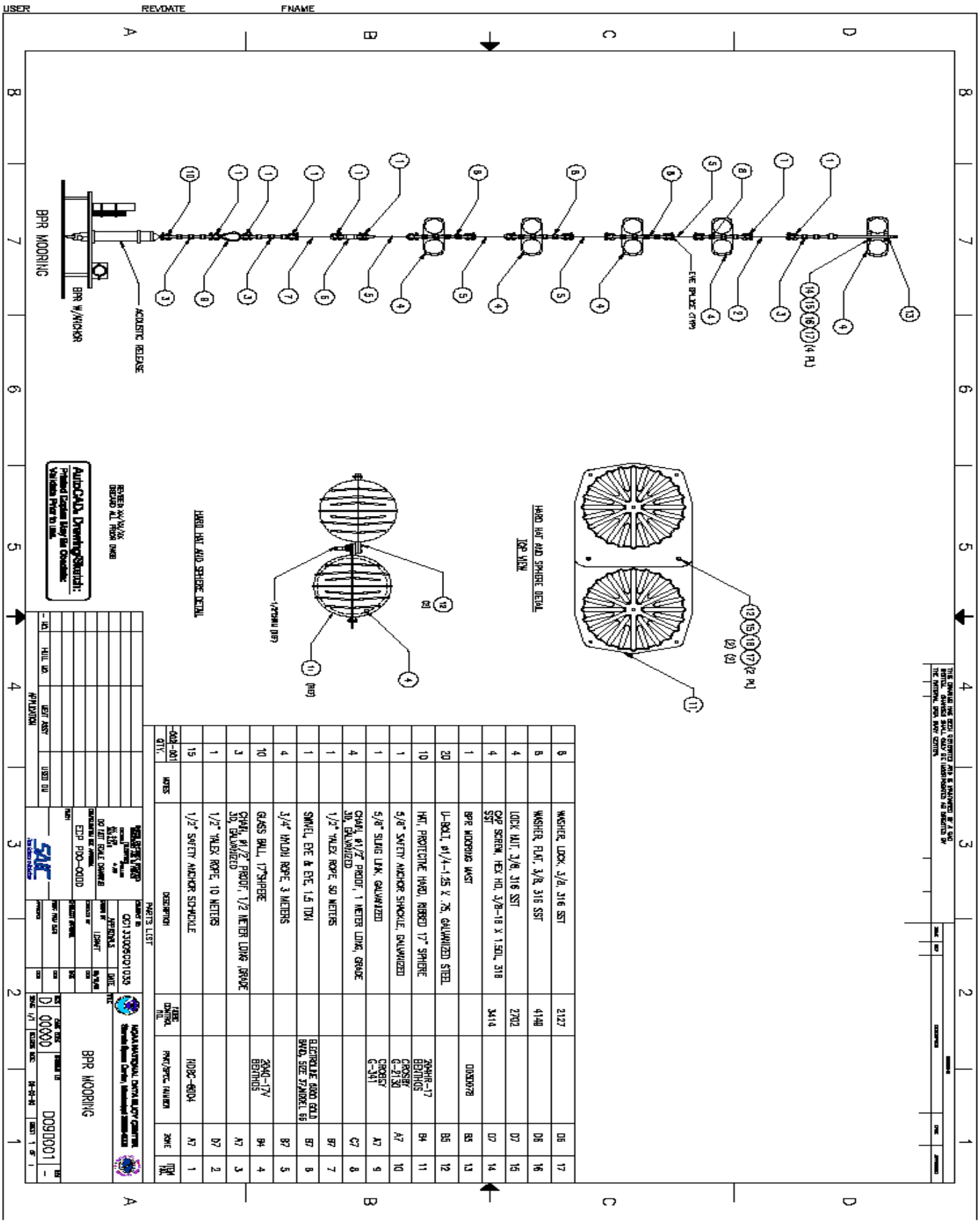
DART BUOY MOORING DIAGRAM: (Sheet 3 of 3)

DART Buoy Mooring System – drawing with parts descriptions.



DART BPR MOORING DIAGRAM: (Sheet 1 of 1)

DART BPR Mooring System – drawing with parts descriptions.



B		WASHER, LOCK, 3/8, 316 SST	2127		D6	17
B		WASHER, FLAT, 3/8, 316 SST	4148		D6	16
4		LOCK NUT, 3/8, 316 SST	2702		D7	15
4		CAP SCREW, HEX HD, 3/8-16 X 1.50L, 316 SST	3414		D7	14
1		BPR MOORING MAST		DD00078	B5	13
20		U-BOLT, 01/4-1.25 X .75, GALVANIZED STEEL			B6	12
10		HAT, PROTECTIVE HARD, RIBBED 17" SPHERE		2HHR-17 BEARTHGS	B4	11
1		5/8" SAFETY ANCHOR SHACKLE, GALVANIZED		CROSBY G-2130	A7	10
1		5/8" SLING LINK, GALVANIZED		CROSBY G-341	A7	9
4		CHAIN, 01/2" PROOF, 1 METER LONG, GRADE 30, GALVANIZED			C7	8
1		1/2" YALEX ROPE, 50 METERS			B7	7
1		SWIVEL, EYE & EYE, 1.5 TON		ELECTRALITE 4000 COLD BRASS, SIZE 3/PANDEL 66	B7	6
4		3/4" NYLON ROPE, 3 METERS			B7	5
10		GLASS BALL, 17"SPHERE		2KMO-17V BEARTHGS	B4	4
3		CHAIN, 01/2" PROOF, 1/2 METER LONG, GRADE 30, GALVANIZED			A7	3
1		1/2" YALEX ROPE, 10 METERS			B7	2
15		1/2" SAFETY ANCHOR SHACKLE		MODEL-9604	A7	1
A03-001 QTY.		NOTES	DESCRIPTION	FABER INDUSTRIAL P/N	PART/SPEC. NUMBER	ZONE	ITEM NO.

PARTS LIST

-	NO.	HULL NO.	NEXT ASSY	USED ON	APPLICATION