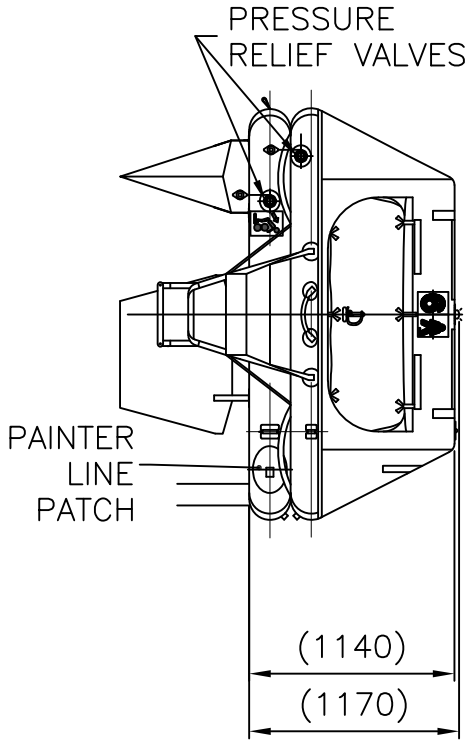
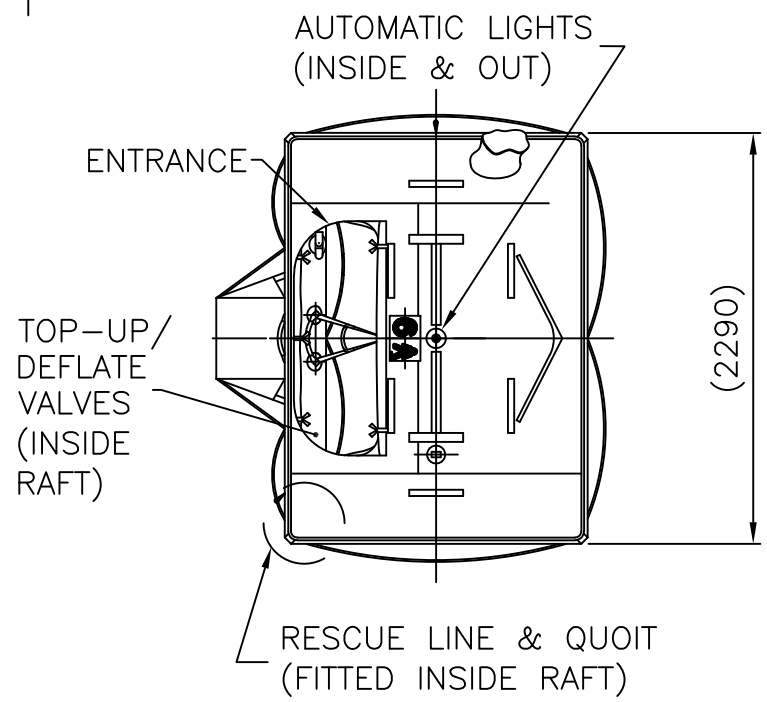
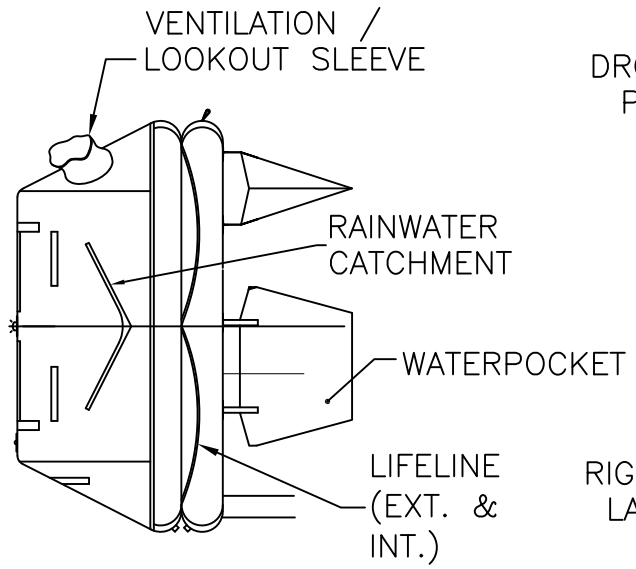
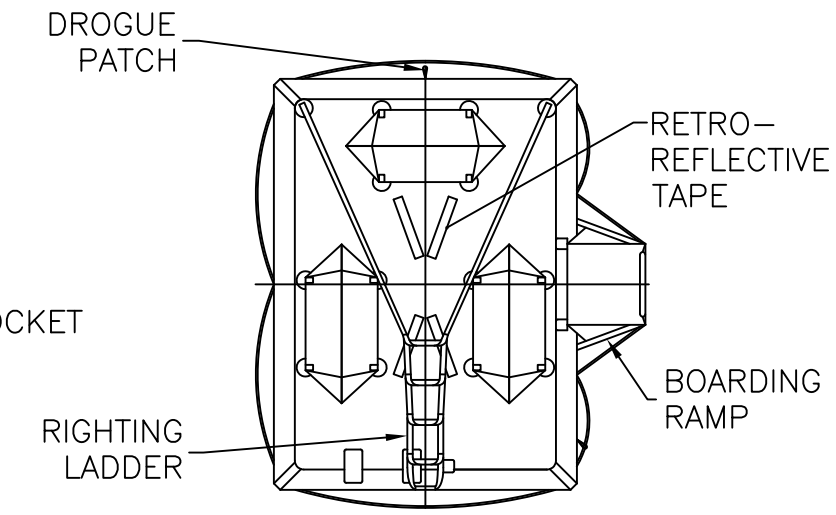
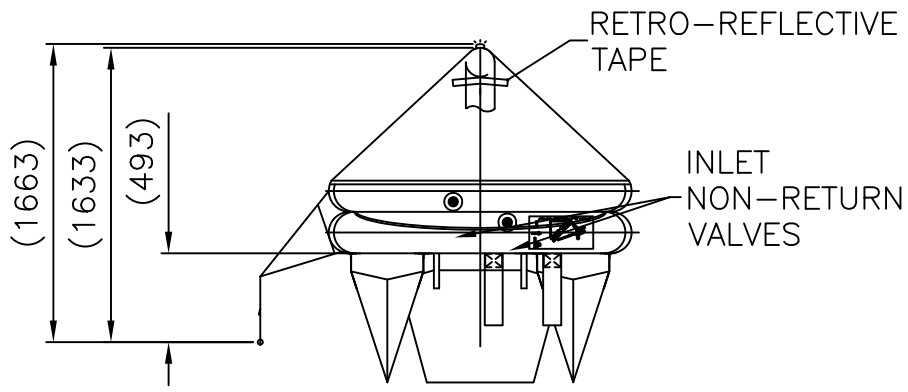
THIRD ANGLE PROJECTION ALL UNSPECIFIED DIMENSIONS IN MM DO NOT SCALE – WORK TO FIGURED DIMENSIONS ONLY IF IN DOUBT ASK











DESIGN DATA

CHAMBER	PANEL CIRCUMFERENCE	UNSTRETCHED TUBE DIAMETER	INCREASE IN DIA AT OPERATING PRESSURE	DIAMETER AT OPERATING PRESSURE	TUBE C/LINE LENGTH	NO. PANELS	VOLUME (m3)
UPPER BUOYANCY (ITEM 12)	716	227.9	5.5%	240.4	2070.0	2	0.19
					1480.0	2	0.13
LOWER BUOYANCY (ITEM 11)	716	227.9	5.5%	240.4	2070.0	2	0.19
					1480.0	2	0.13
ARCHTUBE (ITEM 16)	475	151.2	5.5%	159.5	4660.0	1	0.09

TOTAL BUOYANCY VOLUME @ OPERATING PRESSURE	0.64	m^3
MINIMUM BUOYANCY VOLUME REQUIREMENT = 0.096 x No. PERSONS (LSA CODE 4.2.3.1)	0.58	m^3
TOTAL AIR-HOLDING VOLUME @ OPERATING PRESSURE	0.74	m^3
USABLE FLOOR AREA @ OPERATING PRESSURE (AREA WITHIN INBOARD CENTRELINE OF LOWER BUOYANCY)	2.28	m^2
MINIMUM FLOOR AREA = 0.372 x No. PERSONS (LSA CODE 4.2.3.2)	2.23	m^2

VOLUMES LISTED ARE ASSUMING THAT AT OPERATING PRESSURE THERE IS MINIMAL AXIAL STRAIN AND HOOP STRAIN IS AS LISTED ABOVE

NOTES:

1. THIS DRG IS FOR REFERENCE ONLY. REFER TO SHEET 4 FOR MANUFACTURING DRAWING.
2. ALL DIMS ARE NOMINAL AT PRESSURE JUST GREATER THAN ATMOSPHERIC.
3. FEATURES NOT SHOWN; CANOPY INSULATION, FLOOR INSULATION, POSITION FOR RAFT MARKS (MAKER, SERIAL #, DATE OF MANUFACTURE, APPROVAL, SERVICE STATION NAME/PLACE OF LAST SERVICE, NO. OF PERSONS), POSITION OF SHIP IDENTIFICATION MEANS.

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DRG TITLE: MARINE LIFERAFT 6–PERSONS (SURVIVA Mk4)

SHT TITLE: GENERAL ARRANGEMENT/DESIGN DATA – RFD SURVIVA MkIV 6TO

PART No(s). 50857001, 50857002 | PROJECT No. DCS 2019–272 DCS 2021–029

DRG No. D50857 | SHT 1 OF 8 | EFF. FROM: 20/04/2021 | SCALE NTS | SHT SIZE: A3

REV. 19 | STATUS: Released | DRAWN BY: marshallj