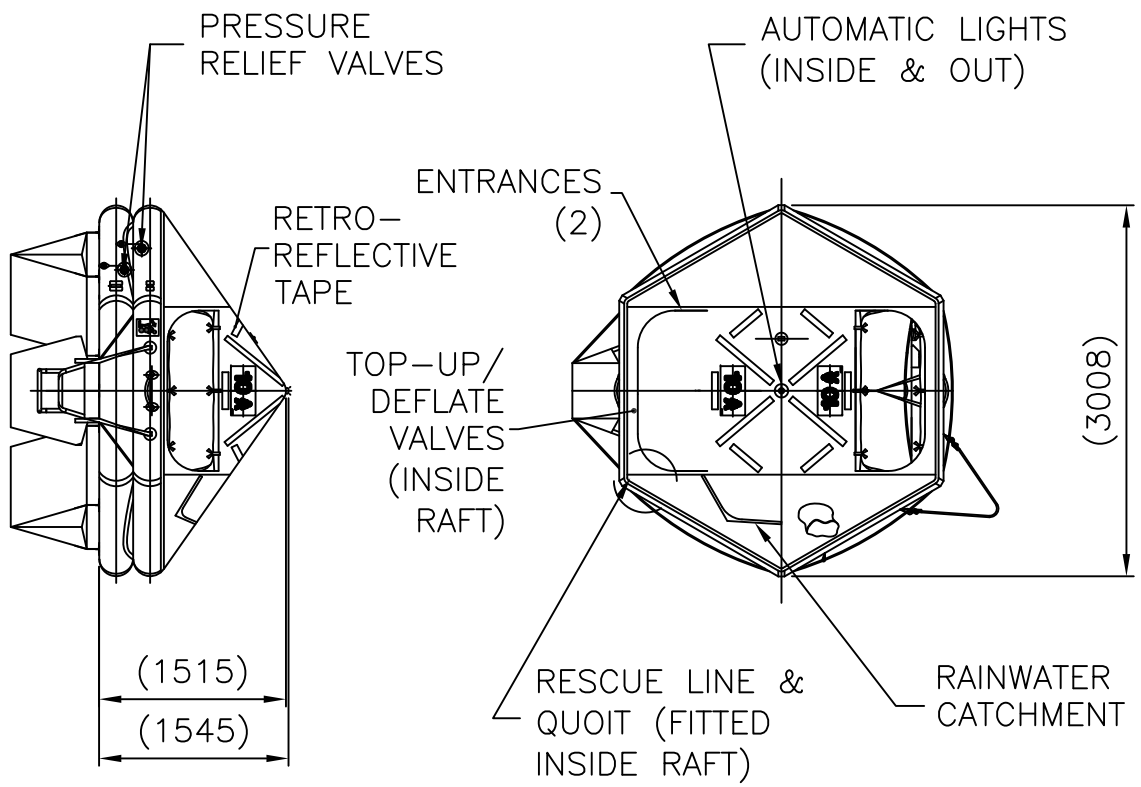
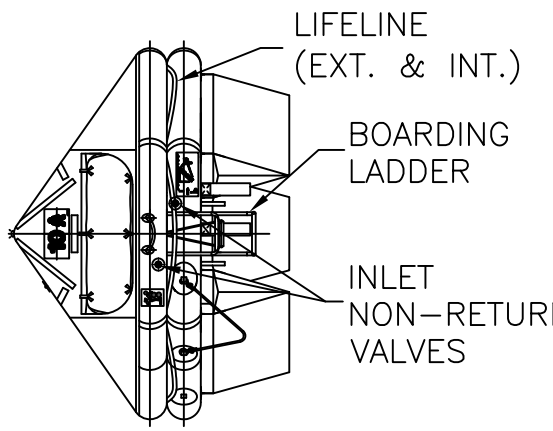
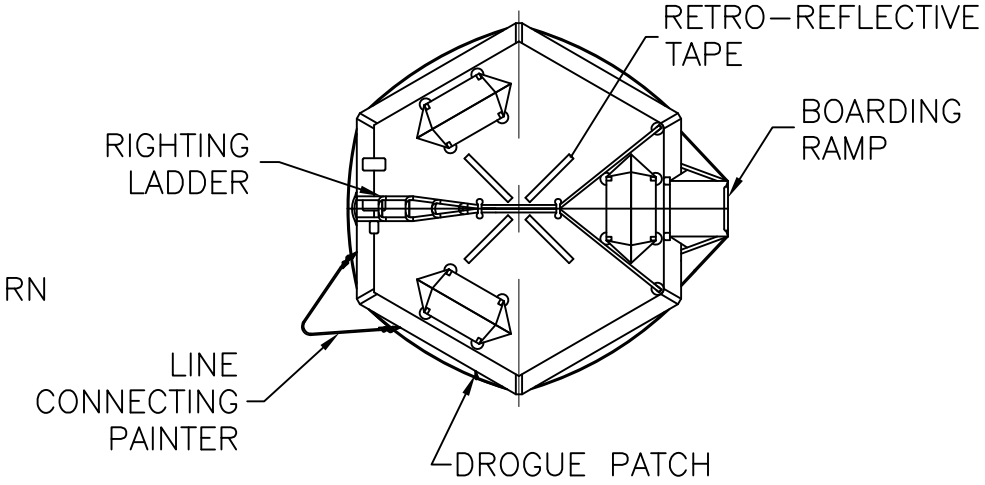
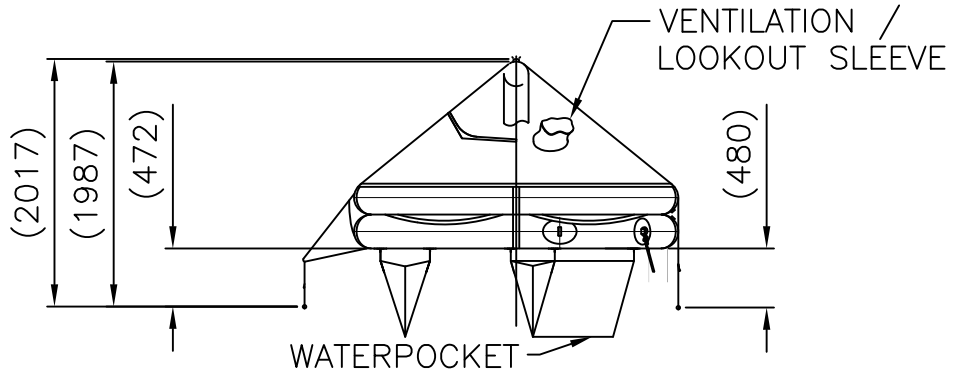
THIRD ANGLE PROJECTION ALL UNSPECIFIED DIMENSIONS IN MM DO NOT SCALE – WORK TO FIGURED DIMENSIONS ONLY IF IN DOUBT ASK









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)	864	275.0	5.5%	290.1	1337.0	6	0.53
LOWER BUOYANCY (ITEM 11)	864	275.0	5.5%	290.1	1337.0	6	0.53
ARCHTUBE (ITEM 16)	595	189.4	5.5%	199.8	3520.0	1	0.11

TOTAL BUOYANCY VOLUME @ OPERATING PRESSURE	1.06	m^3
MINIMUM BUOYANCY VOLUME REQUIREMENT = 0.096 x No. PERSONS (LSA CODE 4.2.3.1)	0.96	m^3
TOTAL AIR-HOLDING VOLUME @ OPERATING PRESSURE	1.17	m^3
USABLE FLOOR AREA @ OPERATING PRESSURE (AREA WITHIN INBOARD CENTRELINE OF LOWER BUOYANCY)	3.85	m^2
MINIMUM FLOOR AREA = 0.372 x No. PERSONS (LSA CODE 4.2.3.2)	3.72	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 2 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 10–PERSONS

SHT TITLE: GENERAL ARRANGEMENT/DESIGN DATA – RFD SURVIVA MkIV 10TO

PART No(s). 50859001, 50859002 | PROJECT No. DCS 2019–272 DCS 2021–029

DRG No. D50859 | SHT 1 OF 7 | EFF. FROM: 20/04/2021 | SCALE NTS | SHT SIZE: A3

REV. 14 | STATUS: Released | DRAWN BY: marshallj