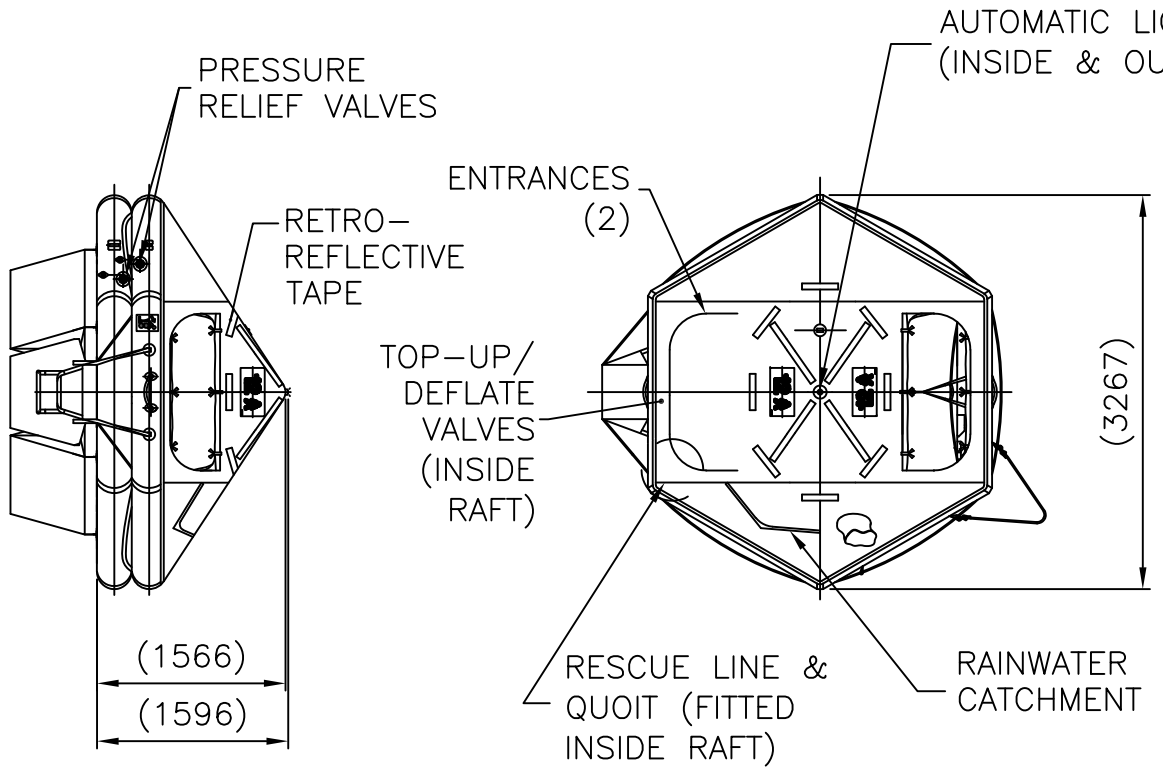
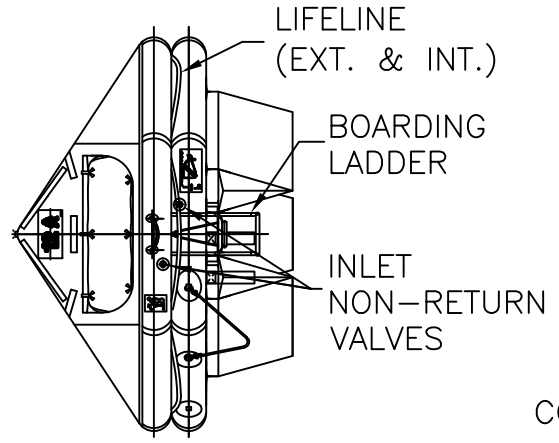
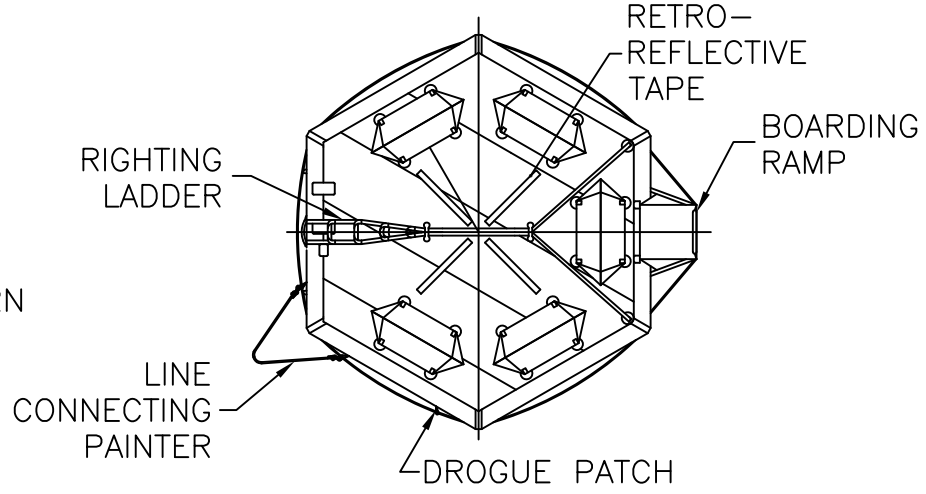
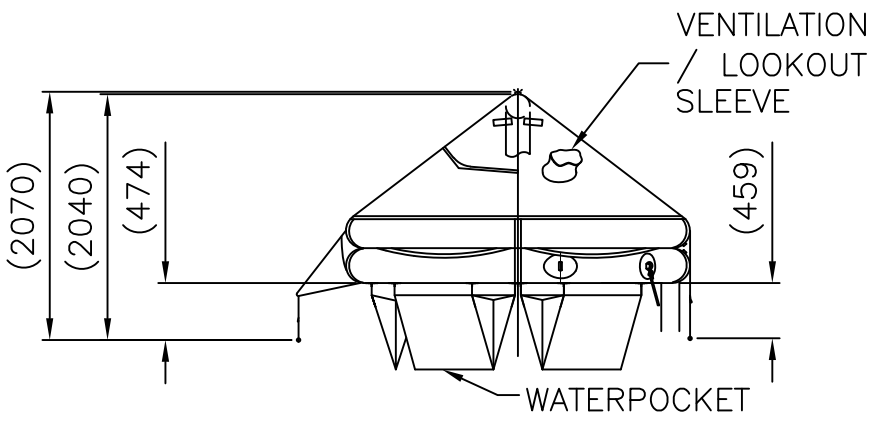
THIRD ANGLE PROJECTION ALL UNSPECIFIED DIMENSIONS IN MM DO NOT SCALE – WORK TO FIGURED DIMENSIONS ONLY IF IN DOUBT ASK









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)	905	288.0	5.5%	303.8	1485.0	6	0.65
LOWER BUOYANCY (ITEM 11)	905	288.0	5.5%	303.8	1485.0	6	0.65
ARCHTUBE (ITEM 16)	595	189.4	5.5%	199.8	3750.0	1	0.12

TOTAL BUOYANCY VOLUME @ OPERATING PRESSURE	1.29	m^3
MINIMUM BUOYANCY VOLUME REQUIREMENT = 0.096 x No. PERSONS (LSA CODE 4.2.3.1)	1.15	m^3
TOTAL AIR-HOLDING VOLUME @ OPERATING PRESSURE	1.41	m^3
USABLE FLOOR AREA @ OPERATING PRESSURE (AREA WITHIN INBOARD CENTRELINE OF LOWER BUOYANCY)	4.52	m^2
MINIMUM FLOOR AREA = 0.372 x No. PERSONS (LSA CODE 4.2.3.2)	4.46	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 12–PERSONS

SHT TITLE: GENERAL ARRANGEMENT/DESIGN DATA – RFD SURVIVA MkIV 12TO

PART No(s). 50860001, 50860002 PROJECT No. DCS 2019–272 DCS 2021–029

DRG No. D50860 SHT 1 OF 7 EFF. FROM: 20/04/2021 SCALE NTS SHT SIZE: A3

REV. 14 STATUS: Released DRAWN BY: marshallj