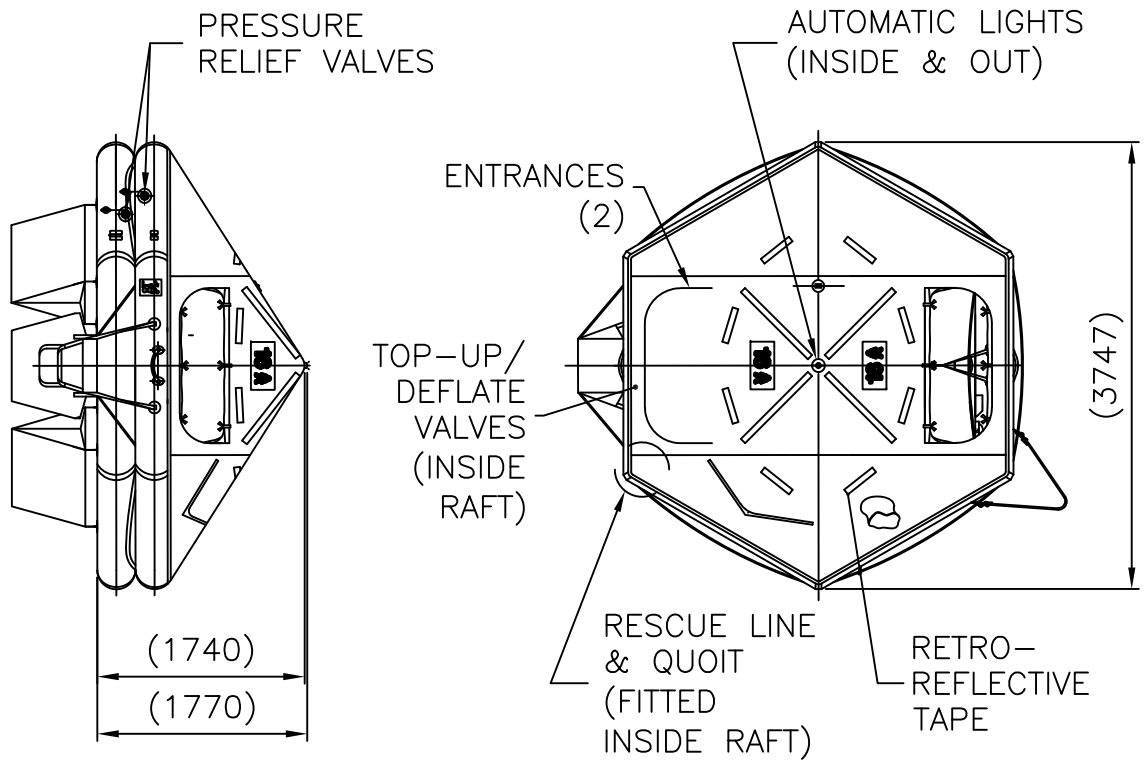
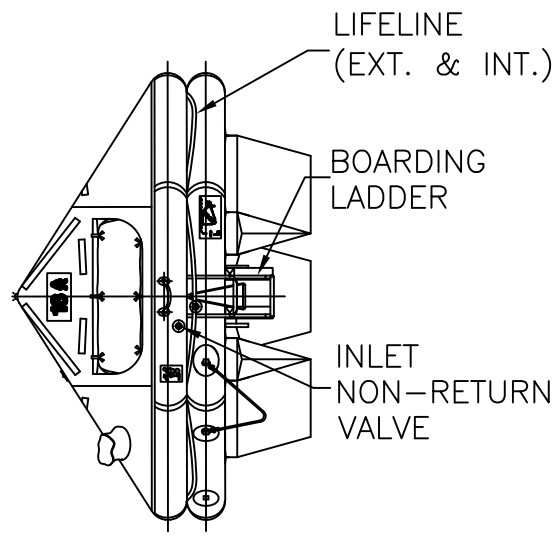
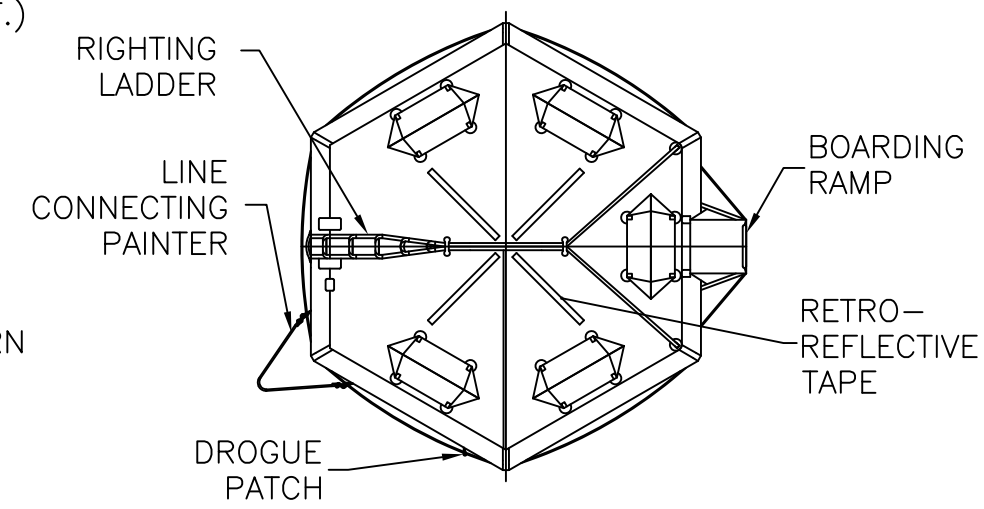
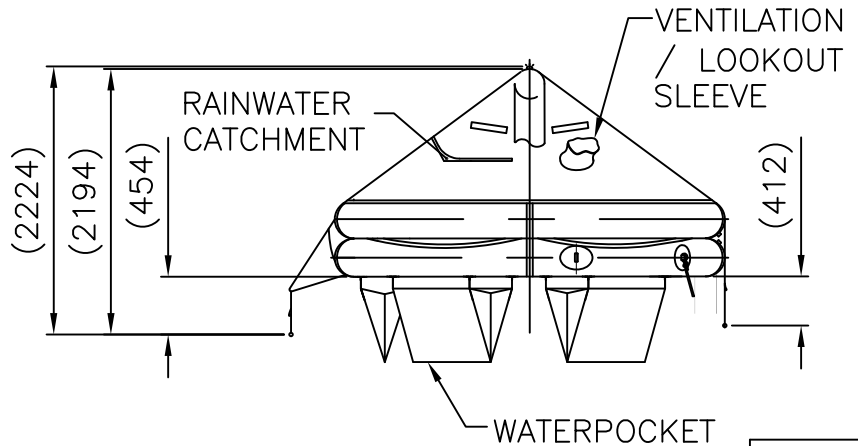
THIRD ANGLE PROJECTION ALL UNSPECIFIED DIMENSIONS IN MM DO NOT SCALE – WORK TO FIGURED DIMENSIONS ONLY IF IN DOUBT ASK









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)	940	299.2	5.5%	315.7	1708.0	6	0.80
LOWER BUOYANCY (ITEM 11)	940	299.2	5.5%	315.7	1708.0	6	0.80
ARCHTUBE (ITEM 16)	975	310.4	5.5%	327.4	4660.0	1	0.39

TOTAL BUOYANCY VOLUME @ OPERATING PRESSURE	1.60	m^3
MINIMUM BUOYANCY VOLUME REQUIREMENT = 0.096 x No. PERSONS (LSA CODE 4.2.3.1)	1.54	m^3
TOTAL AIR-HOLDING VOLUME @ OPERATING PRESSURE	2.00	m^3
USABLE FLOOR AREA @ OPERATING PRESSURE (AREA WITHIN INBOARD CENTRELINE OF LOWER BUOYANCY)	6.07	m^2
MINIMUM FLOOR AREA = 0.372 x No. PERSONS (LSA CODE 4.2.3.2)	5.95	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, HAULING–IN LADDERS (2), 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.

survitec
KINGSWAY
DUNMURRY
BELFAST
N. IRELAND
BT17 9AF

SURVITEC GROUP LIMITED OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED EXCEPT UNDER AN AGREEMENT OR WITH THE CONSENT IN WRITING OF THE COMPANY. ©

DRG TITLE: MARINE LIFERAFT 16–PERSONS

SHT TITLE: GENERAL ARRANGMENT/DESIGN DATA – RFD SURVIVA MkIV 16TO

PART No(s). 50861001, 50861002 PROJECT No. DCS 2019–272 DCS 2021–029

DRG No. D50861 SHT 1 OF 8 EFF. FROM: 20/04/2021 SCALE NTS SHT SIZE: A3

REV. 17 STATUS: Released DRAWN BY: marshallj