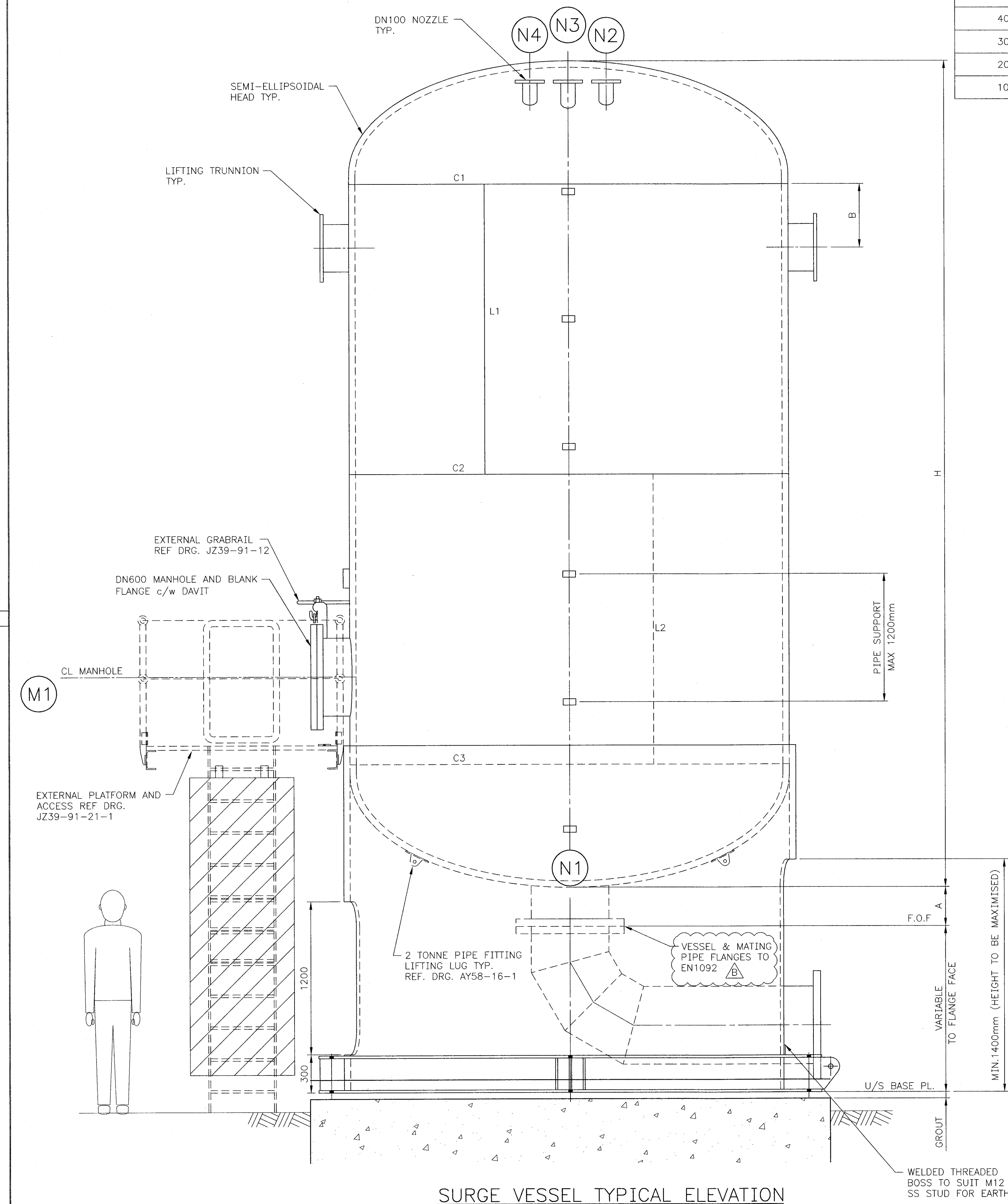


SURGE VESSEL SIZE

VOLUME (m³)	ID (mm)	HEAD SELECTION 2:1	A (mm)	H (mm)	R(mm)	φ(°)
50	3353	3353 ID SE	305	6276	1290	13°
40	3048	3048 ID SE	305	6176	1165	15°
30	2896	2896 ID SE	305	5200	1105	16°
20	2438	2438 ID SE	305	4870	925	19°
10	1981	1981 ID SE	305	3742	740	24°

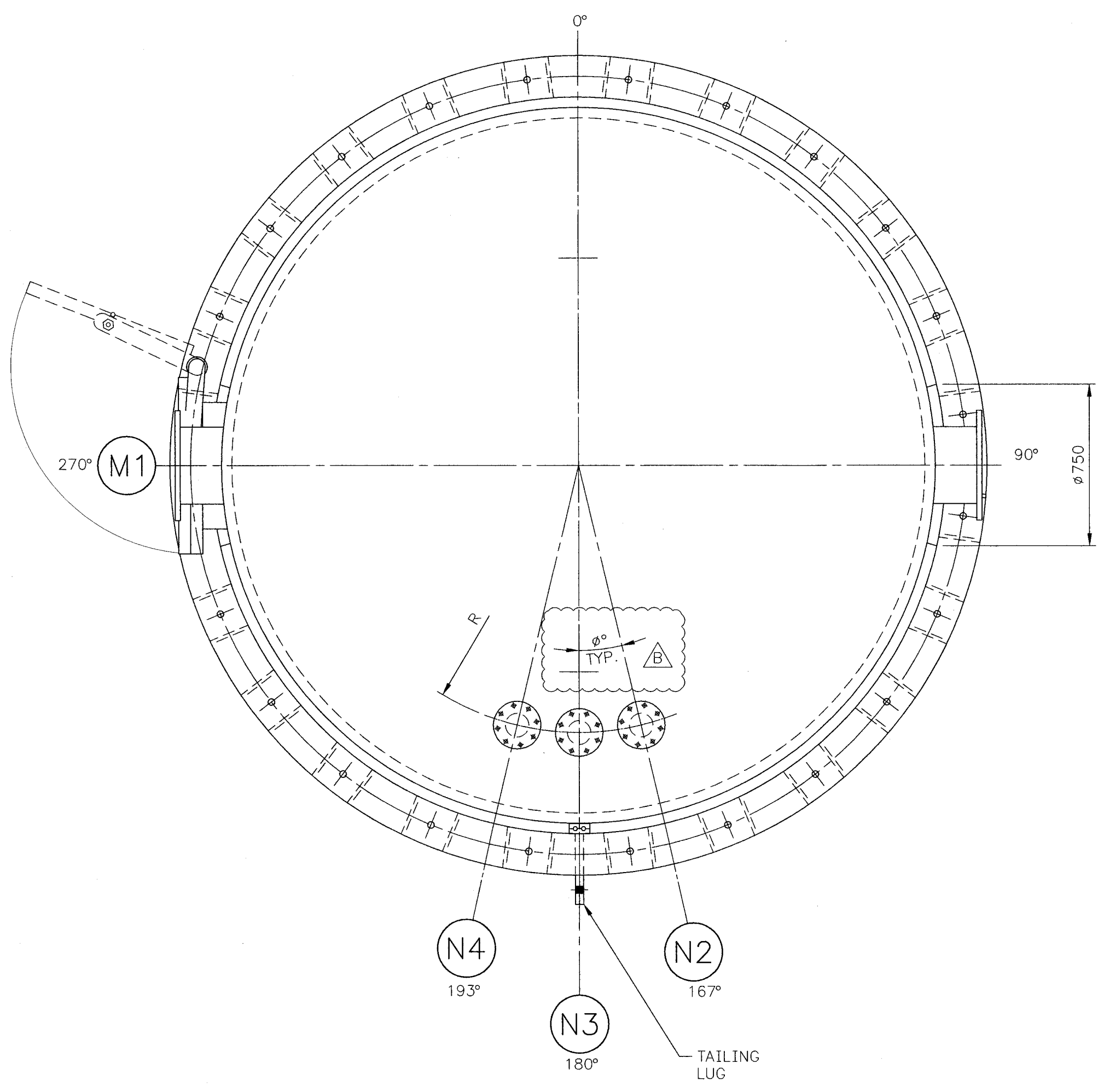
NOZZLE SCHEDULE (FLANGES TO EN1092)

NOZZLE	SERVICE	SIZE
N1	WATER INLET/OUTLET	VARIES
N2	PRESSURE MONITORING	DN100
N3	AIR INTAKE	DN100
N4	SPARE	DN100
M1	ACCESS MANHOLE	DN600



SURGE VESSEL TYPICAL ELEVATION

SCALE 1:20



SURGE VESSEL PLAN

SCALE 1:20

- NOTES:
1. GENERAL ARRANGEMENT SCHEMATIC SHALL BE USED IN CONJUNCTION WITH DS35-01 AS WATER CORPORATION REQUIREMENTS TO BE INPUT INTO DETAILED VESSEL DESIGN
 2. SKIRT STIFFENING RING TO BE USED AS REQUIRED BY DETAILED DESIGN
 3. TAILING LUG TO BE INSTALLED ON SKIRT OR VESSEL SHELL AS DICTATED BY VESSEL LIFTING PLAN IN DETAILED VESSEL DESIGN. LIFTING TRUNNIONS AND TAILING LUG TO BE POSITIONED AS REQUIRED BY LIFTING PLAN.
 4. VESSEL CONCRETE FOUNDATION TO BE SIZED AND DESIGN BY DESIGNER (CIVIL).
 5. ALL FLANGES TO AS4331/EN1092 (INCLUDING MATING PIPE FLANGE).

500 0 500 1000 1500 mm (1:25 AT A1)

B 11/2013			FLANGE STANDARD AMENDED			BJ			DESIGN SURVEY			VERTICAL DATUM NONE			DES CALC N/A			NORTH POINT			RECOMMENDED 21/11/2011						MECHANICAL STANDARD DRAWING MECHANICAL DESIGN STANDARDS DS35-01 - SURGE VESSELS GENERAL ARRANGEMENT - SCHEMATIC			ORIGINAL SHEET SIZE A1																													
									ASCON SURVEY			COORDINATE SYS NONE			DES CHD N/A			MECHANICAL ENGINEER, EMS																																									
ISSUE			DATE			GRID			REVISION			DRN			REC			APPD			DES REF 61-22538			DRN M. DUKOWICZ			APPROVED 21/11/2011			S. EVANS (SIGNED)			PRINCIPAL ENGINEER, EMS			FILE			PLAN			CAD			ISSUE			PROJECT			JZ39-91-11			B			MF 19 NOV 2013		