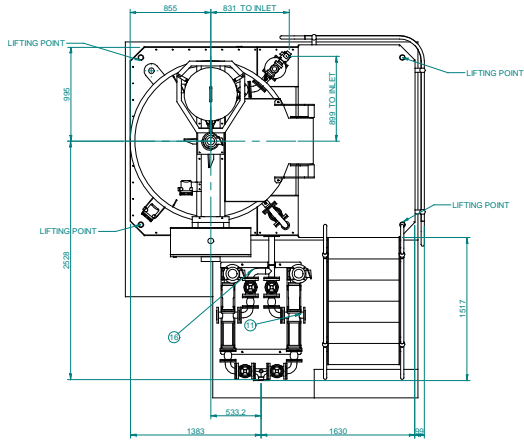
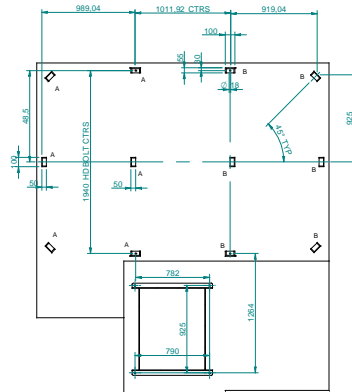


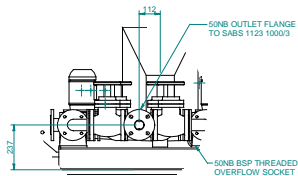
DO NOT SCALE



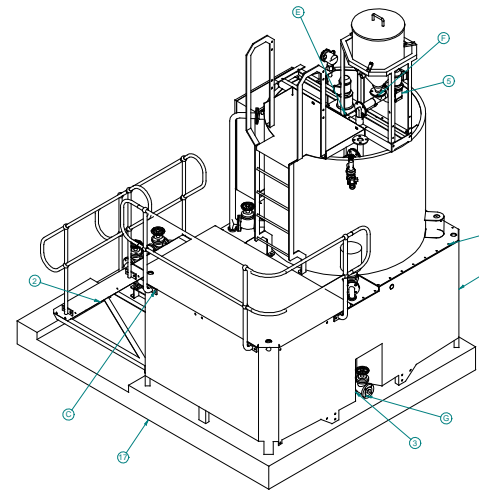
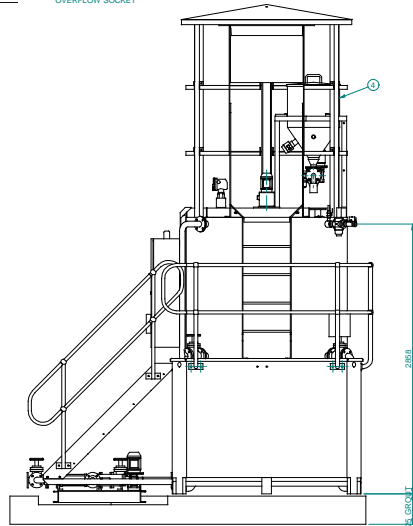
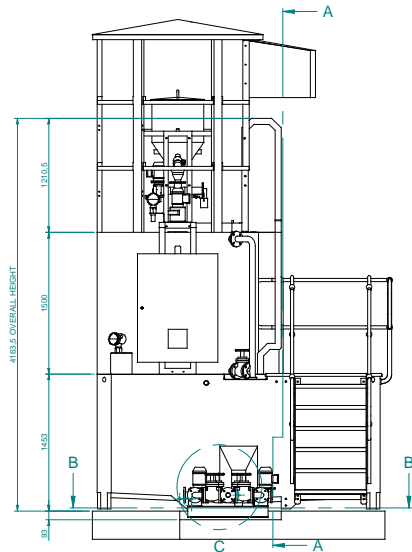
FOUNDATION LOADS
 BASES MARKED A
 DEAD LOAD - 2.7 KN PER BASE
 LIVE LOAD - 11.4 KN PER BASE
 BASES MARKED B
 DEAD LOAD - 1.2 KN PER BASE
 LIVE LOAD - 6.3 KN PER BASE



FOUNDATION LAYOUT SECTION B-B



DETAIL C
1:10



FASTENER SCHEDULE

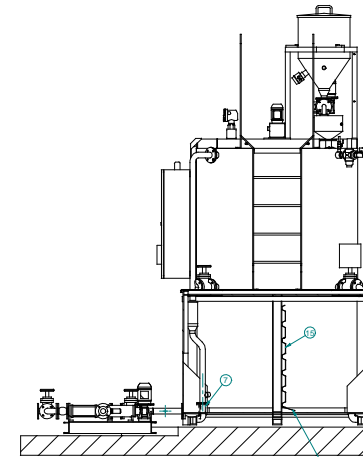
- A - 34 OFF M10X25 CW NUT & FL WASHER
 - B - 10 OFF M10X35 CW NUT & FL WASHER
 - C - 8 OFF M16X40 CW NUT & FL WASHER
 - D - 2 OFF M8X20 CW NUT & FL WASHER
 - E - 4 OFF M12X45 CW NUT & FL WASHER
 - F - 4 OFF M16X45 CW NUT & FL WASHER
 - G - 8 OFF M16X55 CW NUT & FL WASHER
 - H - 4 OFF M12X50 CW NUT & FL WASHER
 - I - 2 OFF M10X30 CW NUT & FL WASHER
 - J - 8 OFF M16X45 CW NUT & FL WASHER
- ALL FASTENERS TO BE HOT DIP GALVANISED GR 8.8

INSTALLATION OPTIONS

- 1. SUPPLY VOLTAGE - 550V 3 PHASE IP55
- 2. SINGLE VARIABLE SPEED DRIVE - CONTROL TECHNIQUES
- 3. ELECTRICAL PANEL INSULATION - IP55
- 4. ALL SOLENOIDS 24VDC
- 5. ALL INSTRUMENTATION 24VDC
- 6. PAINTING, NON WETTED SURFACES - CARBOLINE 888 & 134
- 7. PAINTING, WETTED SURFACES - CARBOLINE 187 HFP
- 8. FOR P&ID SEE DRAWING 08-0057-5031

NOTES

- 1. OUTLET VALVES, PUMP AND DRAINS CAN BE TAKEN FROM EITHER SIDE OF THE TANK TO SUIT CLIENT REQUIREMENTS
- 2. ALL FLANGES SABS 1123 1000/3 USE
- 3. ALL 6 SUPPORT LEGS TO BE GROUDED TO ENSURE EVEN DISTRIBUTION OF LOAD
- 4. MIXER DIRECTION OF ROTATION SUCH THAT LIQUID IS PUMPED FROM TOP TO BOTTOM OF TANK
- 5. MASS: 2.5 TONS



SECTION A-A

Item No	Document Number	Title	Qty	Mass
1	08-0057-0002	STORAGE TANK ASSY	1	
2	08-0057-0051	STAIR ASSEMBLY	1	116.8 kg
3		50 NB SAUNDERS KB VALVE SABS 1123 1000/3	2	22.7 kg
4	08-0057-0066	REAGENT BIN ASSEMBLY	1	70.1 kg
5	08-0057-0040	SCREW FEEDER ASSY	1	29.3 kg
6	08-0057-0052	HANDRAILING ASSEMBLY	1	28.6 kg
7	RP-0004-0061	OVERFLOW PIPE	1	10.1 kg
8	RP-0004-0038	WALKWAY LID	1	93.3 kg
9	08-0057-0060	CONDITIONING TANK ASSEMBLY	1	889.6 kg
11	08-0057-0150	PUMP ASSEMBLY	1	237.9 kg
15	08-0057-0036	BAFFLE ASSEMBLY	1	9.0 kg
16	RP-0004-0001	INLET MANIFOLD	1	7.1 kg
17	RP-0004-0151	FOUNDATION PLAN	1	0.0 kg
18	RP-0004-0138	CLADDING STRUCTURE	1	275.2 kg

REFERENCE	NO.	DESCRIPTION	DATE	CHECK	DESIGNED	DRAWN	DATE	BY	DATE	BY	MATERIAL
							2009/07/3				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				
							2009/07/1				

MechProTech (Pty) Ltd.
 Mechanical Product and Technology Development for Industry

**FULLY AUTOMATED HYDRAK
 COMPACT 9-5 REAGENT PLANT CW 2
 MONO C61M PUMPS**

SCALE: 1:20 DPO NO: **A0-08-0057-0001** REV: 0 SHEET 1 OF 1