



EQUIPROMEX®

EXPEDIENTE DE DATOS

FABRICANTE

Equipos de Proceso Mexicanos, S.A. de C.V.

***Km. 9.5 carretera Guadalajara-Ameca, municipio de Tala, Jalisco,
México, CP 45300, Tel. (384)690 1000***

www.equipromex.com

CUSTOMER **DESMET BALLESTRA GROUP**

EQUIPMENT **CAUSTIC DILUTION WATER TANK**

ITEM **W578TW (19-D-768)**

W.O. **2730**



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7.DRAWINGS

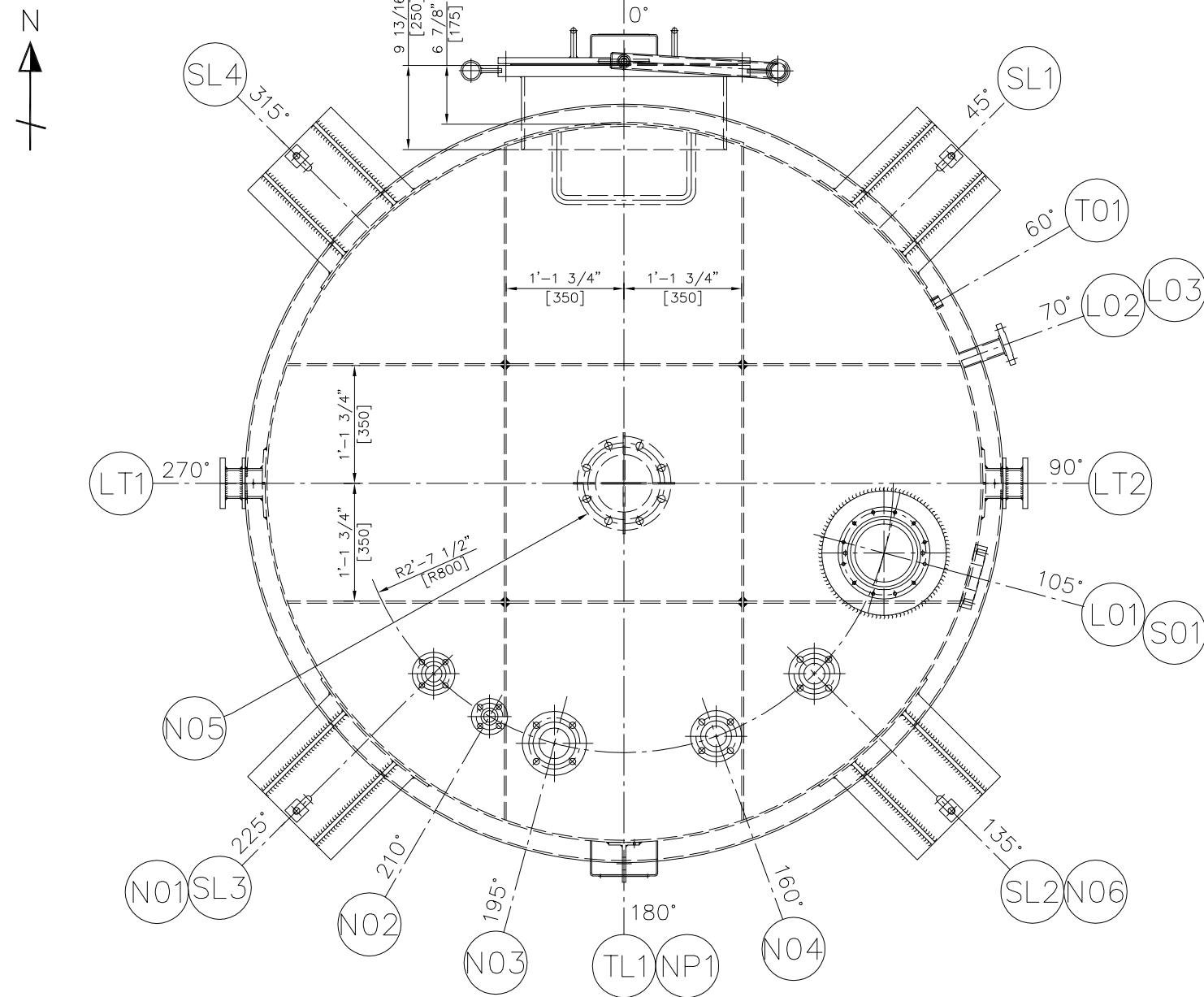
ACCORDING TO THE LAW, OUR SURVEYS AND DRAWINGS ARE OUR EXCLUSIVE PROPERTY AND MAY NEITHER BE REPRODUCED NOR COMMUNICATED TO THIRD PARTIES EVEN AFTER MODIFICATIONS WITHOUT OUR WRITTEN CONSENT.

DE CONFORMIDAD CON LA LEY, NUESTROS DISEÑOS SON PROPIEDAD EXCLUSIVA DE NUESTRA FIRMA Y NO PUEDEN SER REPRODUCIDOS NI COMUNICADOS A TERCERAS PARTES SIN NUESTRA AUTORIZACIÓN ESCRITA, AUNQUE HAYAN SIDO MODIFICADOS.

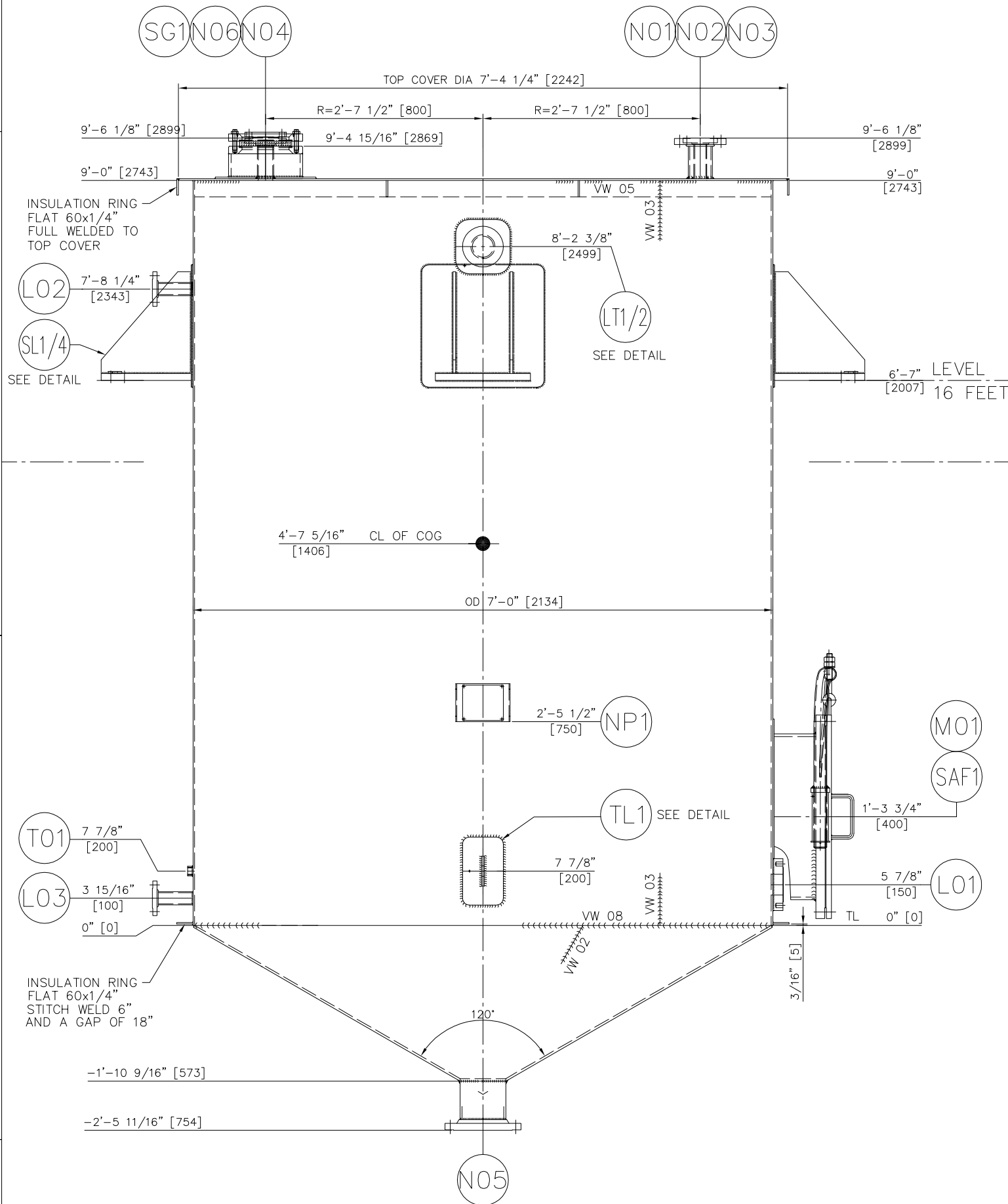
CONFORMÉMENT À LA LOI, NOS ÉTUDES ET DESSINS SONT NOTRE PROPRIÉTÉ EXCLUSIVE ET NE PEUVENT ÊTRE REPRODUITS OU COMMUNIQUÉS À DES TIERS SANS NOTRE AUTORISATION ÉCRITE.

IF IN DOUBT, ASK – DO NOT SCALE !

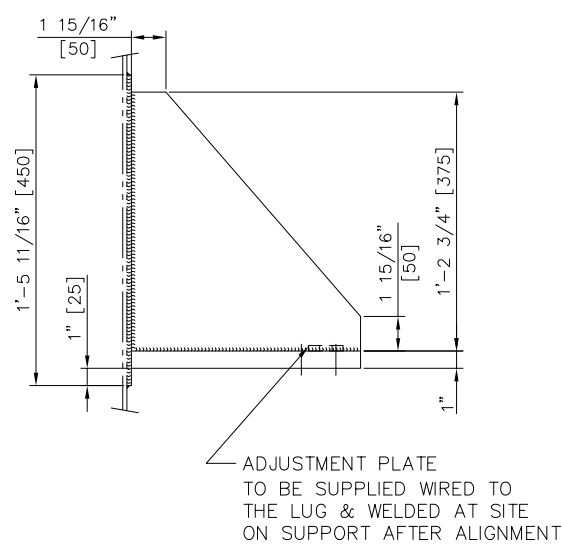
PLAN – ORIENTATION



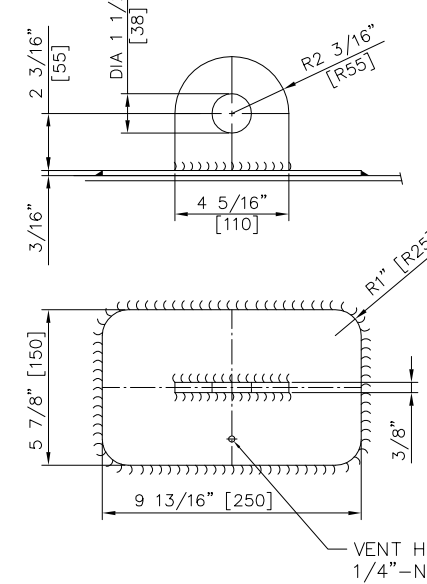
DIMENSIONAL DRAWING NOT VALID FOR ORIENTATION



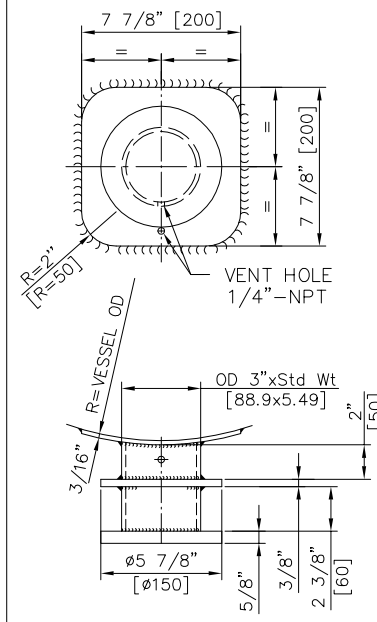
DETAIL SUPPORTS (SL1–SL4)



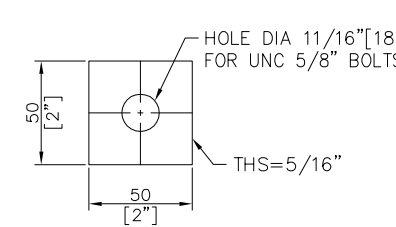
DETAIL TAILING LUG (TL1)



DETAIL TRUNNION (LT1/2)



DETAIL ADJUSTMENT PLATE (QTY.: 4 Nos.)



WARNING PLATE TYPE-6



NOZZLES

POS.	SERVICE	QTY.	NOMINAL DIA.	RATING	FLANGE TYPE	NECK SCH./THK.	REINF. PAD ODX/THK.	PROJ. LGT.	REMARKS REF. DRG.	WELD TYPE
N01	TREATED WATER INLET	1	1 1/2"	CLASS 150	SO–RF	SCH.40S		5 7/8"		NW02/FW02
N02	RECIRCULATION INLET	1	1"	CLASS 150	SO–RF	SCH.40S		5 7/8"		NW02/FW02
N03	SOFT WATER INLET	1	3"	CLASS 150	SO–RF	SCH.40S		5 7/8"		NW02/FW02
N04	VENT	1	2"	CLASS 150	SO–RF	SCH.40S		5 7/8"		NW02/FW02
N05	OUTLET TO PUMP	1	6"	CLASS 150	SO–RF	SCH.40S		2'-5 11/16"		NW07/FW02
N06	SPARE NOZZLE (BLUNDED)	1	2"	CLASS 150	SO–RF BF–RF	SCH.40S		5 7/8"		NW02/FW02
T01	SEAT FOR TEMPERATURE TRANSMITTER	1	3/4" NPT	CLASS 3000	HALF COUPLING					NW01 SEE BODY
L01	SEAT FOR LEVEL TRANSMITTER	1	3"	CLASS 150	PAD FLANGE					NW01 SEE BODY
L02	SEAT FOR LEVEL SWITCH (HL)	1	1 1/2"	CLASS 150	SO–RF	SCH.40S		3'-11 15/16"		NW02/FW02
L03	SEAT FOR LEVEL SWITCH (LL)	1	1 1/2"	CLASS 150	SO–RF	SCH.40S		3'-11 15/16"		NW02/FW02
SG1	SIGHTGLASS MODEL 4	1	10"			SCH.40S	1'-2 9/16"x3/16"		00454364	NW10
M01	MANHOLE 24" WITH VERTICAL DAVIT ARM	1	24"				2'-0"x5/16"	2'-3 15/16"x3/16"	100177321	NW11/FW01

ACCESSORIES

LT1/LT2	LIFTING TRUNNIONS	2							SEE DETAIL
SL1/4	SUPPORT LUGS	4							SEE DETAIL
TL1	TAILING LUG	1							SEE DETAIL
NP1	NAMEPLATE	1							SEE DRG. UST
SAF1	WARNING PLATE TYPE-6	1							00430531

MATERIALS / CERTIFICATES

ITEM	MATERIAL	CERT.	ITEM	MATERIAL	CERT.
SHELL/BOTTOM CONE	SA 240–304		GASKETS FOR FLANGES	GARLOCK 3500	
TOP COVER	SA 240–304		TRUNNIONS / PAD PLATE	SA 240–304	
NOZZLE NECKS	SA 312 TP304		PIPE/PLATE	SA–106 B/SA 36	
NOZZLE FLANGES	SA 182–F304		SUPPORTS / PAD PLATE	SA 240–304	
MANHOLE NECK	SA 240–304		PLATE	SA 36	
MANHOLE FLANGES	SA 240–304		TAILING LUG / PAD PLATE	SA 240–304	
INTERNAL STIFFENERS	SA 240–304		PLATE	SA 36	
SEAT FOR TT	SA 479–304		EXTERNAL BOLTS/NUTS(UNC)	SA–193 B7/SA–194 2H	
SUPPORT FOR WARNING PLATE	SA 240–304		SUPPORT FOR NAMEPLATE	SA 240–304	
INSULATION RINGS	SA 240–304				

DESIGN DATA

EQUIPMENT			SHELL	
PRESSURE	OPERATING	barg	ATM	
	DESIGN	barg	ATM	
	TEST	barg	FILL WITH WATER	
TEMPERATURE	OPERATING	°C	25 (77° F)	
	DESIGN	°C	0/120 (248° F)	
	TEST	°C	AMBIENT	
MIN. DESIGN METAL TEMP.			°C	–10 (14° F)
CORROSION ALLOWANCE	STAINLESS STEEL	mm	0	
	CARBON STEEL	mm	1/16" (1.6)	
RADIOGRAPHY			NONE	
MIN. JOINT EFFICIENCY			0.7	
HEAT TREATMENT			NONE	
DESIGN CODE			ASME SEC VIII, DIV.1 Ed. 2019	
WIND / SEISMIC DESIGN			101 mph / SDS = 1.077g, SD1 = 0.664g (ASCE 7–16)	
FLUID			WATER	
FLUID–GROUP			NA	
PED 2014/68/EU			NA	
ASME "U" STAMP			NO	
WEIGHT	EMPTY	kg	1300 (2866 Lbs)	
	ASSEMBLED	kg	1300 (2866 Lbs)	
	INSULATION	kg	171 (377 Lbs)	
	OPERATING	kg	10422 (22977 Lbs)	
	FULL OF WATER	kg	11871 (26171 Lbs)	
VOLUME			m ³	10.4 (367.3 Ft. ³)
HEAT TRANSFER AREA			m ²	–
INSULATION SURFACE AREA / THK.			m ² /mm	28.5/50 (307 Ft. ² /2")
INSPECTED BY			DESMET BALLESTRA	

NOTE : LIQUID DENSITY : 994.54 kg/m³ (62.1 Lbs/Ft.³)
– SPREADER BEAM USED FOR LIFTING

004	12.11.2021	UPDATED AS MARKED					RSS
REV	DATE	DESCRIPTION OF MODIFICATION				NBR OF MOD	BY
Desmet Ballestra Group						DOCUMENT TYPE	ASSY
						PROJECT DESCRIPT	WORPAR
ITEM NBR DISPOSITION	W578TW (19-D-768)					SECD	SA A
DOCUMENT DESCRIPTION	CAUSTIC DILUTION WATER TANK					PROC.E	GVK
						PROJ.M	JCG
						DOM	PRA
						DATE	DRAWING NUMBER
Ve=9-D=2134-H=2743 ARRANGEMENT						30.03.2021	100173484
							004

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DO NOT SCALE !

CAD DRWG.
DO NOT MODIFY

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DO NOT MODIFY