

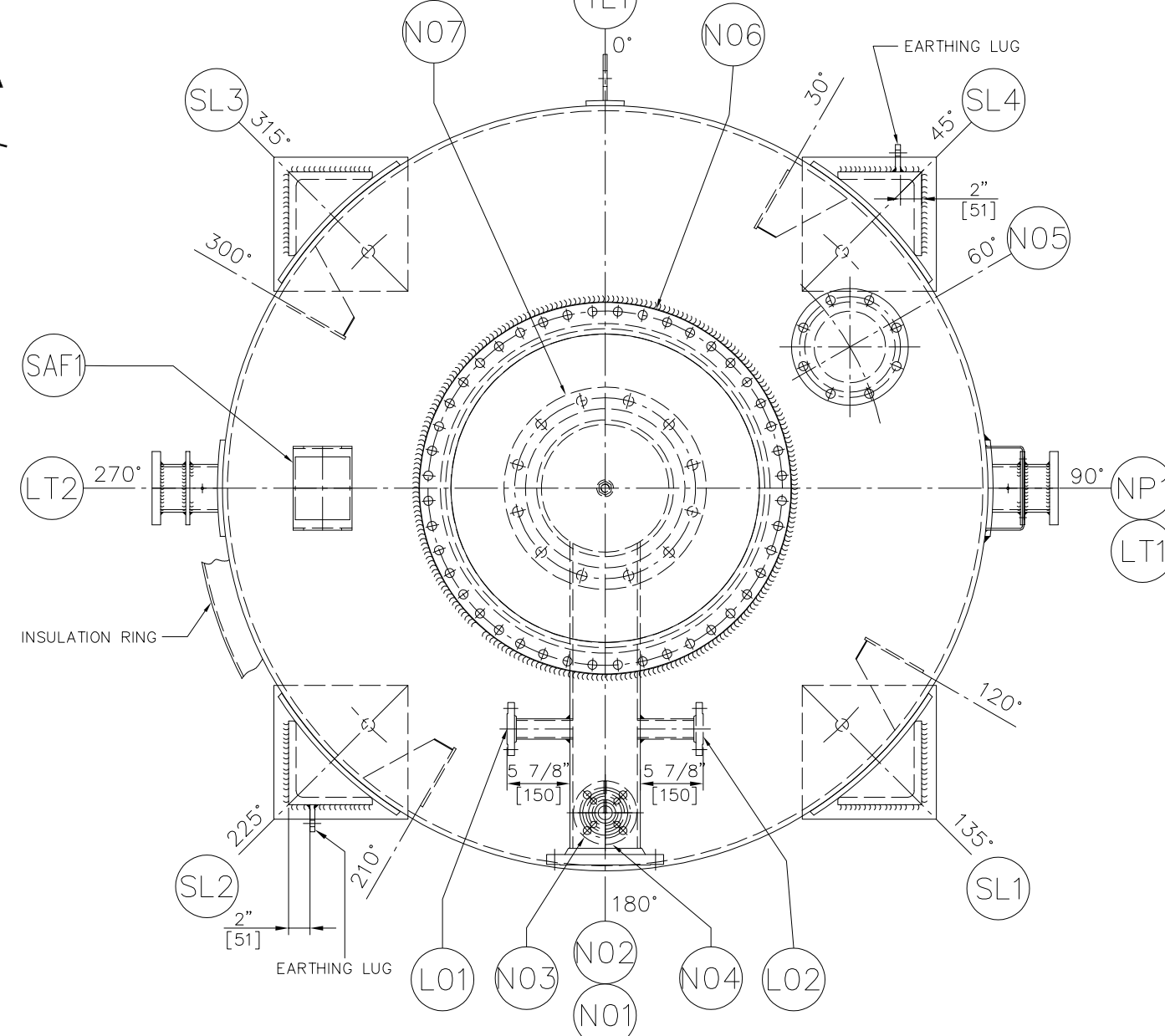
ACCORDING TO THE LAW, OUR SURVEYS AND DRAWINGS ARE OUR EXCLUSIVE PROPERTY AND MAY NOT BE REPRODUCED OR COMMUNICATED TO THIRD PARTIES WITHOUT OUR WRITTEN CONSENT.

DE CONFORMIDAD CON LA LEY, NUESTROS ESTUDIOS, DISEÑOS Y PROYECTOS SON PROPIEDAD EXCLUSIVA DE NUESTRA FIRMA Y NO SE REPRODUCIRÁN NI COMUNICARÁN A TERCERAS PERSONAS SIN NUESTRA AUTORIZACIÓN ESCRITA. AUNQUE HAYAN SIDO MODIFICADOS.

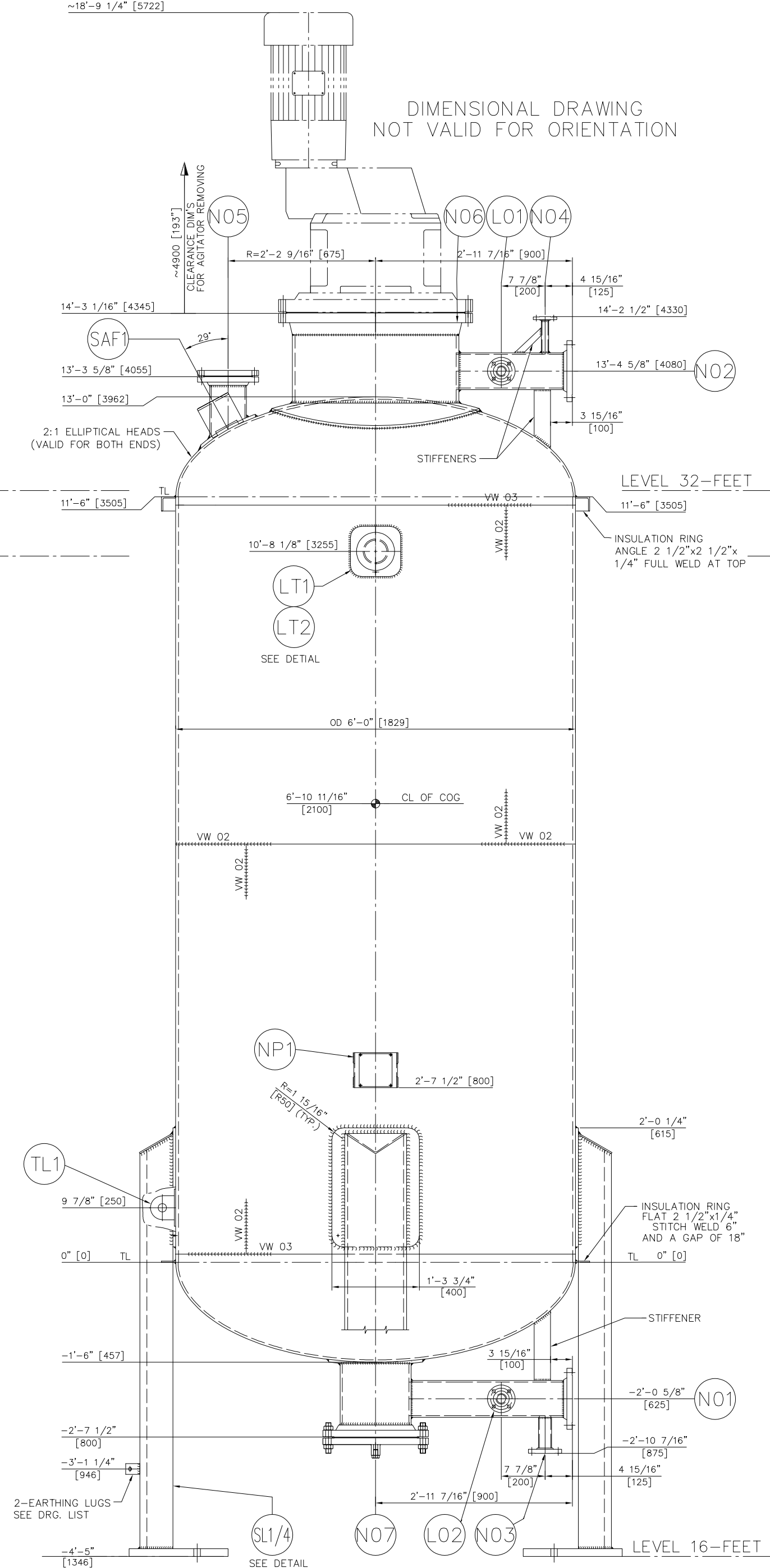
ET DESSEINS SONT NOTRE PROPRIÉTÉ EXCLUSIVE ET NE PEUVENT ÊTRE REPRODUITS NI COMMUNIQUÉS À DES TIERS SANS NOTRE AUTORISATION ÉCRITE.

IF IN DOUBT, ASK – DO NOT SCALE !

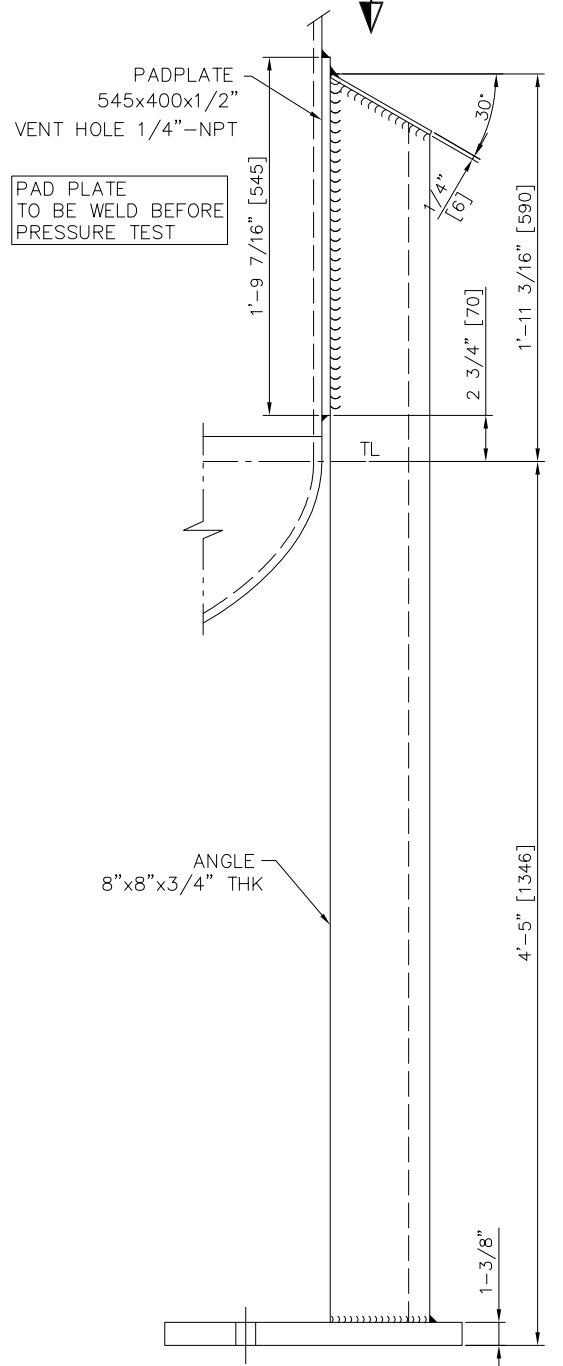
PLAN – ORIENTATION
(AGITATOR NOT SHOWN)



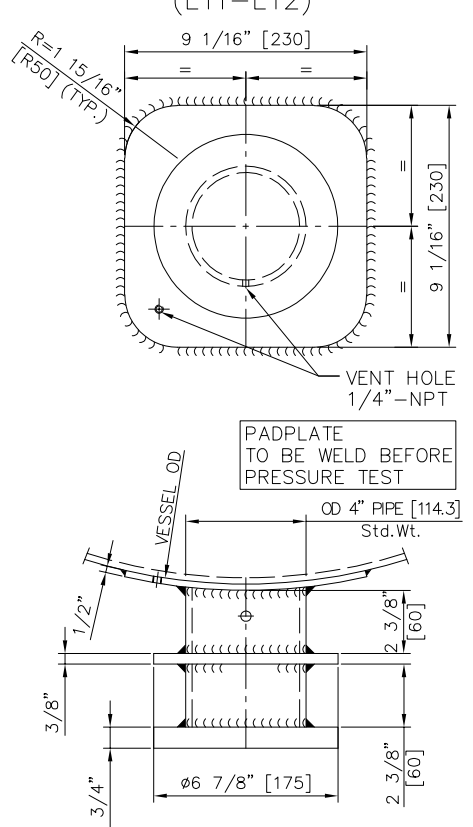
DIMENSIONAL DRAWING
NOT VALID FOR ORIENTATION



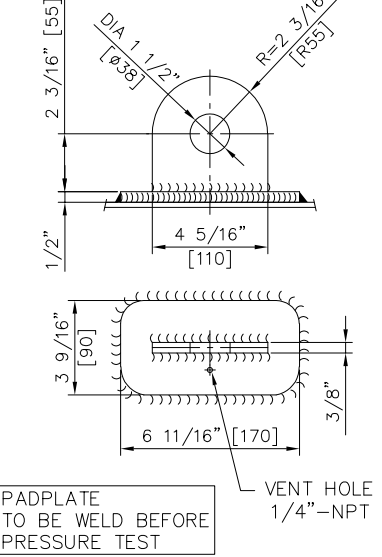
SUPPORT LEG DETAIL
(SL1–SL4)



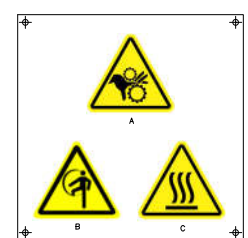
DETAIL TRUNNION
(LT1–LT2)



DETAIL TAILING LUG
(TL1)

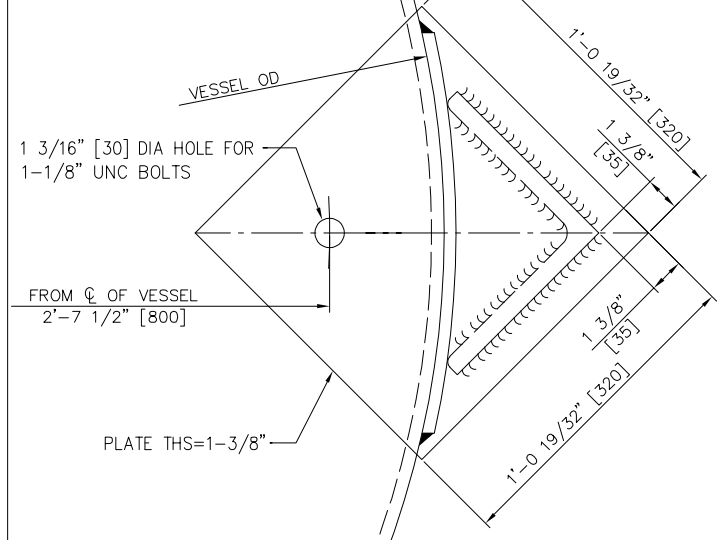


WARNING PLATE
TYPE–4



MOUNTED WITH SUPPORT
ON SHELL

VIEW A



NOZZLES

POS.	SERVICE	QTY.	NOMINAL DIA	RATING	FLANGE TYPE	NECK SCH./THK.	REINF. PAD ODxTHK.	PROJ. LGT.	REMARKS REF. DRG.	WELD TYPE
N01	INLET FROM MIXER	1	6"	CLASS 150	SO–RF	SCH.40S		2'-11 7/16"		FW02/NW01
N02	OUTLET TO SEPARATOR	1	6"	CLASS 150	SO–RF	SCH.40S		2'-11 7/16"		FW02/NW01
N03	DRAIN TO W502	1	2"	CLASS 150	SO–RF	SCH.40S		2'-10 7/16"		FW02
N04	VENT	1	1"	CLASS 150	SO–RF	SCH.40S		2'-8 1/2"		FW02
N05	SPARE–BLINDED	1	6"	CLASS 150	SO–RF BF–RF	SCH.40S	9 13/16"x1/2"	1'-9 5/8"		SEE BODY FW02
N06	AGITATOR SEAT	1	30"	CLASS 150	WN–RF ASME B16.47 SERIES A	SCH.20S	3'-1 3/8"x1/2"	2'-9 1/8"		SEE BODY FW09/NW11
N07	BOTTOM BEARING+DRAIN	1	12"	CLASS 150	SO–RF BF–RF	SCH.40S	1'-4 15/16"x1/2"	2'-7 1/2"		SEE BODY FW02/NW10
L01	CONNECTION FOR LEVEL SWITCH	1	1 1/2"	CLASS 150	SO–RF	SCH.40S		9'-3/16"		FW02
L02	CONNECTION FOR LEVEL SWITCH	1	1 1/2"	CLASS 150	SO–RF	SCH.40S		9'-3/16"		FW02

ACCESSORIES

LT1–LT2	LIFTING TRUNNIONS	2							SEE DETAIL	
SL1–SL4	SUPPORT LEGS	4							SEE DETAIL	
TL1	TAILING LUG	1							SEE DETAIL	
NP1	NAMEPLATE	1							SEE DRG. LIST	
SAF1	WARNING PLATE TYPE 4	1							00430529	

MATERIALS / CERTIFICATES

ITEM	MATERIAL	CERT.	ITEM	MATERIAL	CERT.
SHELL/DISHED ENDS	SA–240 304		EXTERNAL GASKETS	GARLOCK 3500	
NOZZLE NECKS	SA–312 TP304		INTERNAL GASKETS	GARLOCK 3500	
NOZZLE FLANGES	SA–182 F304		SUPPORT FOR NAMEPLATE	SA–240 304	
AGITATOR NECK	SA–240 304		TRUNNIONS	SA–240 304	
AGITATOR FLANGE	SA–182–F304		PIPE/PLATE	SA–106 B/SA–36	
INTERNAL	SA–240 304		TAILING LUG	SA–240 304	
ROUND BAR	SA–479 304		PLATE	SA–36	
EARTHING LUG	SA–240 304		SUPPORT LEGS	SA–240 304	
INTERNAL BOLTS/NUTS	SA 193–B8/SA 194–8		PROFILE/PLATE	SA–36	
EXT. BOLTS/NUTS	SA 193–B7/SA 194–2H		NOZZLE PAD PLATES	SA–240 304	
INSULATION RINGS/PROFILE/PLATE	SA–240 304		SUPPORT FOR WARNING PLATE	SA–240 304	

DESIGN DATA

PRESSURE	OPERATING	barg	4 (58 psig)	
	DESIGN	barg	10 (145 psig)	
	TEST	barg	13.3 (193 psig)	
TEMPERATURE	OPERATING	°C	80 (176° F)	
	DESIGN	°C	0/120 (32–248° F)	
	TEST	°C	AMBIENT	
MIN. DESIGN METAL TEMP.		°C	–10 (14° F)	
CORROSION	STAINLESS STEEL	mm	0	
ALLOWANCE	CARBON STEEL	mm	1/16" (1.6)	
RADIOGRAPHY			SPOT	
MIN. JOINT EFFICIENCY			0.85	
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			PRE MIXED RENDERED FAT+ WATER + CITRIC ACID	
FLUID–GROUP			NA	
PED 2014/68/EU			NA	
ASME "U" STAMP			YES	
WEIGHT	EMPTY	kg	4960 (10935 Lbs)	
	ASSEMBLED	kg	6101 (13450 Lbs)–(AGITATOR WEIGHT INCLUDED)	
	INSULATION	kg	171 (377 Lbs)	
	OPERATING	kg	15509 (34192 Lbs)	
	FULL OF WATER	kg	16772 (36976 Lbs)	
VOLUME		m³	10.5 (371 Ft.³)	
HEAT TRANSFER AREA		m²	–	
INSULATION	SURFACE AREA / THK.	m²/mm	28.5/50 (307 Ft.²/2")	
INSPECTED BY			ASME INSPECTOR	

NOTE : LIQUID DENSITY : 879.73 kg/m3 (54.92 Lbs/Ft.³)
– SPREADER BEAM USED FOR LIFTING

005	04.05.2022	UPDATED AS MARKED			RSS
REV	DATE	DESCRIPTION OF MODIFICATION	DOCUMENT TYPE	ASSY	BY
			PROJECT DESCRIPTION	WOPRAR	
Desmet Ballestra Group			SEC'D	SAA	SCALE
ITEM NBR	DISPOSITION	W503W.2 (19–RA–855)	PROJ.E	GK	FORMAT
DOCUMENT DESCRIPTION	WATER WASH REACTOR		PROJ.M	JCG	A1
			DOM	PRA	AUTHOR
			DATE	DRAWING NUMBER	REVISION
D=1829–H=3505–ARRANGEMENT			27.04.2021	100191046	005