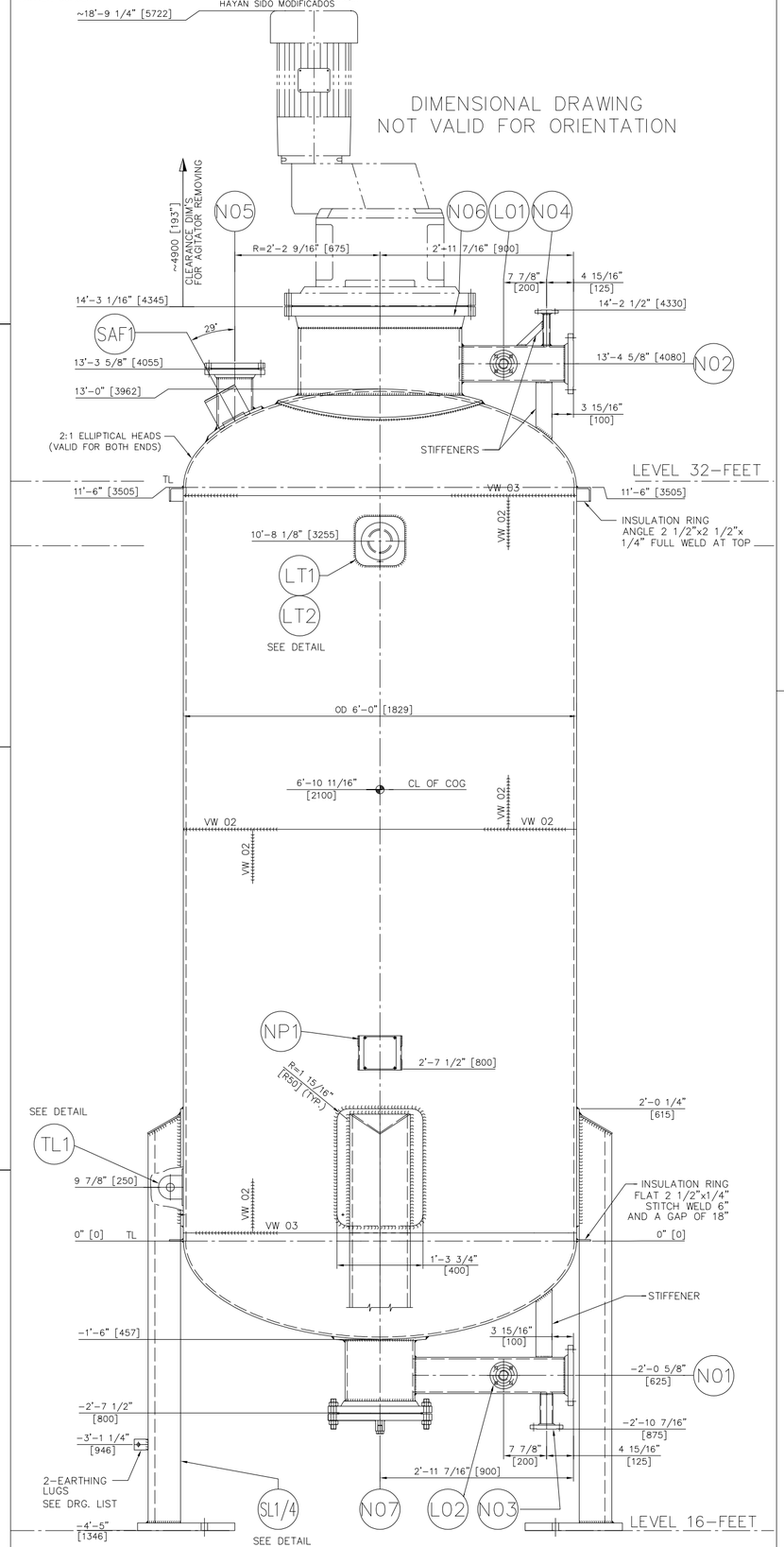
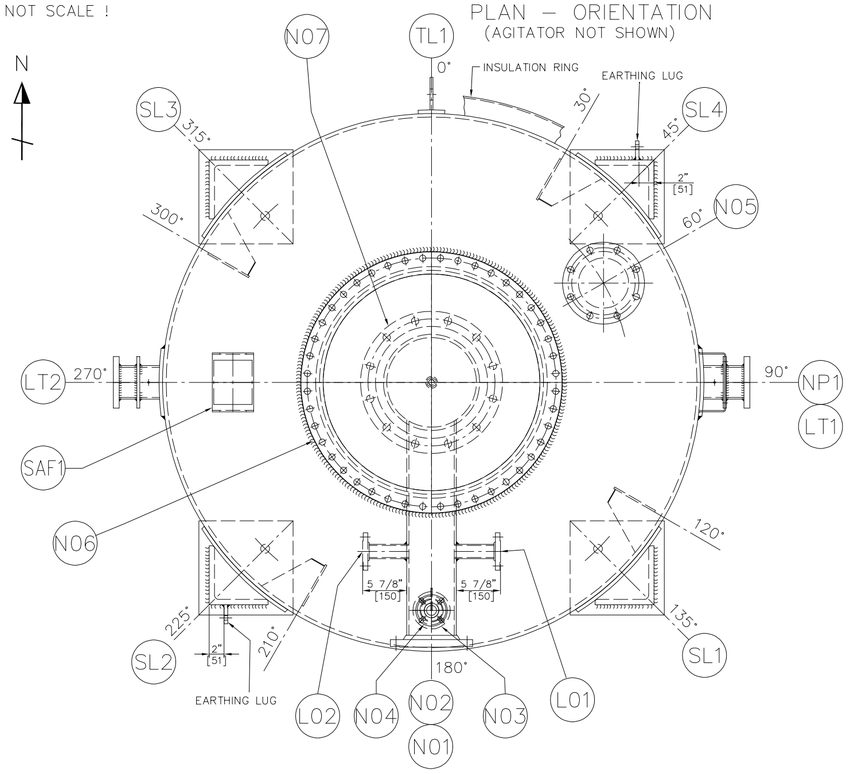
IF IN DOUBT, ASK – DO NOT SCALE !

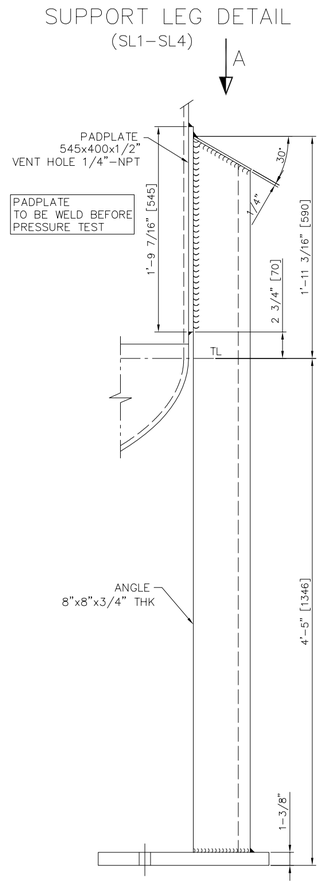
DIMENSIONAL DRAWING
NOT VALID FOR ORIENTATION



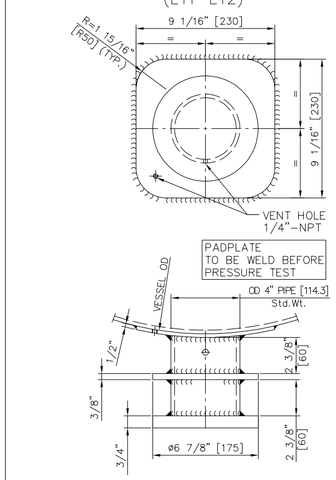
PLAN – ORIENTATION
(AGITATOR NOT SHOWN)



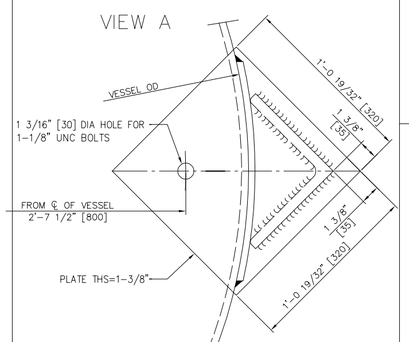
SUPPORT LEG DETAIL
(SL1–SL4)



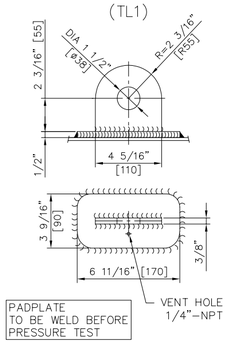
DETAIL TRUNNION
(LT1–LT2)



VIEW A



DETAIL TAILING LUG
(TL1)



WARNING PLATE TYPE-4

MOUNTED WITH SUPPORT ON SHELL

NOZZLES

POS.	SERVICE	QTY.	NOMINAL DIA	FLANGE RATING	FLANGE TYPE	SCHED. / 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 W503AC	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 NOZZLE -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 1/16"		SEE BODY FW09
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							10017060	
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	PADPLATE	SA-240 304	
AGITATOR FLANGE	SA-182-F304			PIPE/PLATE	SA-106 B/SA-36	
INTERNALS	SA-240 304		TAILING LUG	PADPLATE	SA-240 304	
ROUND BAR	SA-479 304			PLATE	SA-36	
EARTHING LUG	SA-240 304		SUPPORT LEGS	PADPLATE	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/FLAT	SA-240 304		SUPPORT FOR WARNING PLATE		SA-240 304	

DESIGN DATA

EQUIPMENT			SHELL	
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 ALLOWANCE	STAINLESS STEEL	mm	0	
	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			OIL + NaOH	
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	15579 (34346 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 : 886.37 kg/m3 (62.1 Lbs/Ft.³)
– SPREADER BEAM USED FOR LIFTING

REV	DATE	DESCRIPTION OF MODIFICATION	NBR OF MOD	BY
006	04.05.2022	UPDATED AS MARKED		RSS

006

Desmet Ballestra Group

DOCUMENT TYPE		ASSY		
PROJECT DESCRIPT		WORPAR		
ITEM NBR DISPOSITION	W503B.1 (19-RA-751)	SECD	SAA	SCALE / FORMAT
		PROC.E	GVK	A1
DOCUMENT DESCRIPTION	REAGENT REACTOR	PROJ.M	JCG	
		DOM	PRA	AUTHOR / RSS
D=1829-H=3505-ARRANGEMENT		DATE	DRAWING NUMBER	REVISION
		19.12.2020	100170599	006