



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 **PE MATURATOR**

ITEM **603PE.1(19-D-751)**

PROJECT **WORPAR**

W.O. **2725**



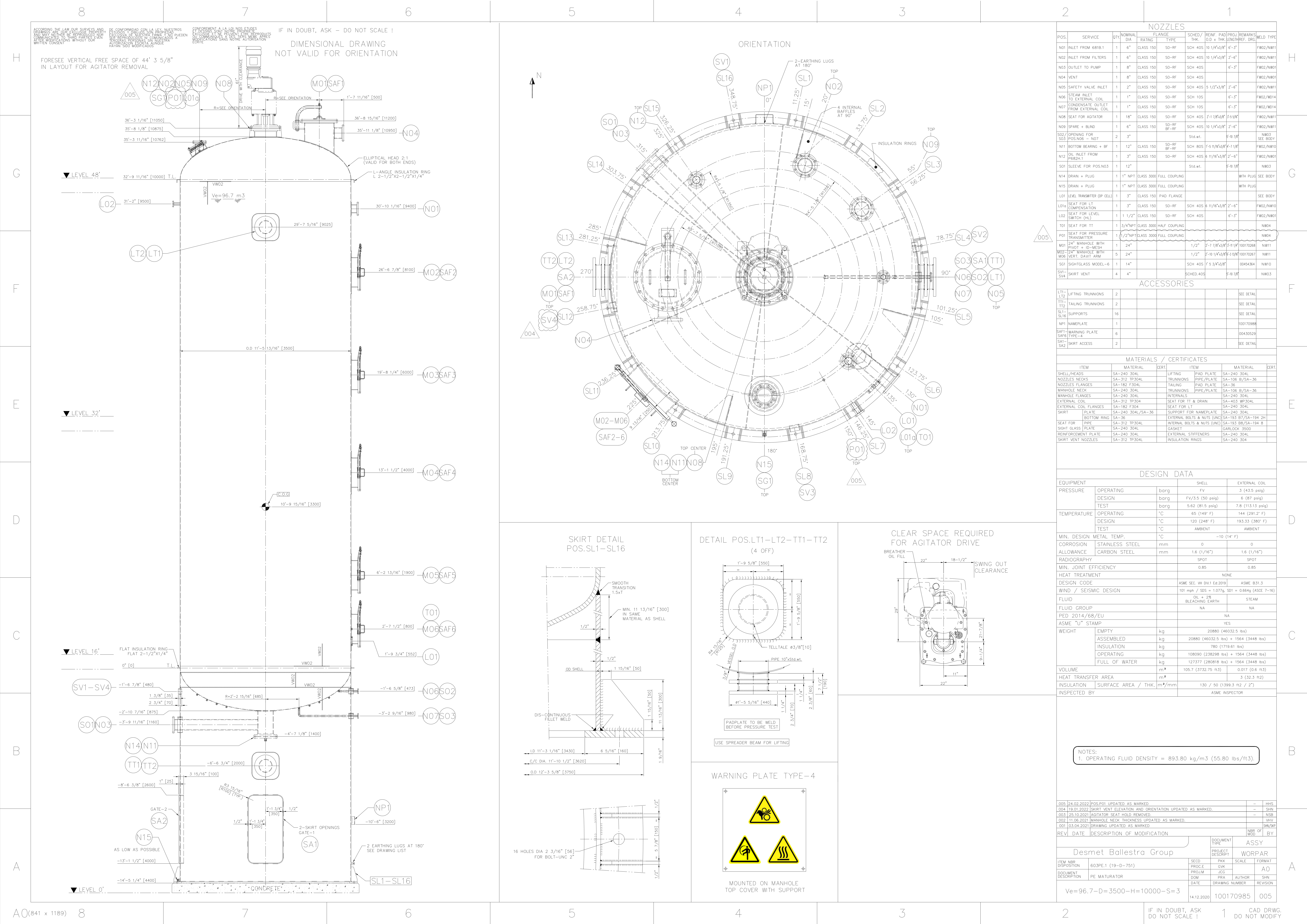
EQUIPROMEX®

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

10.DRAWINGS



8 7 6 5 4 3 2 1

FORESEE VERTICAL FREE SPACE OF 44' 3 5/8" IN LAYOUT FOR AGITATOR REMOVAL

IF IN DOUBT, ASK - DO NOT SCALE !

DESMET BOLLESTRA GROUP

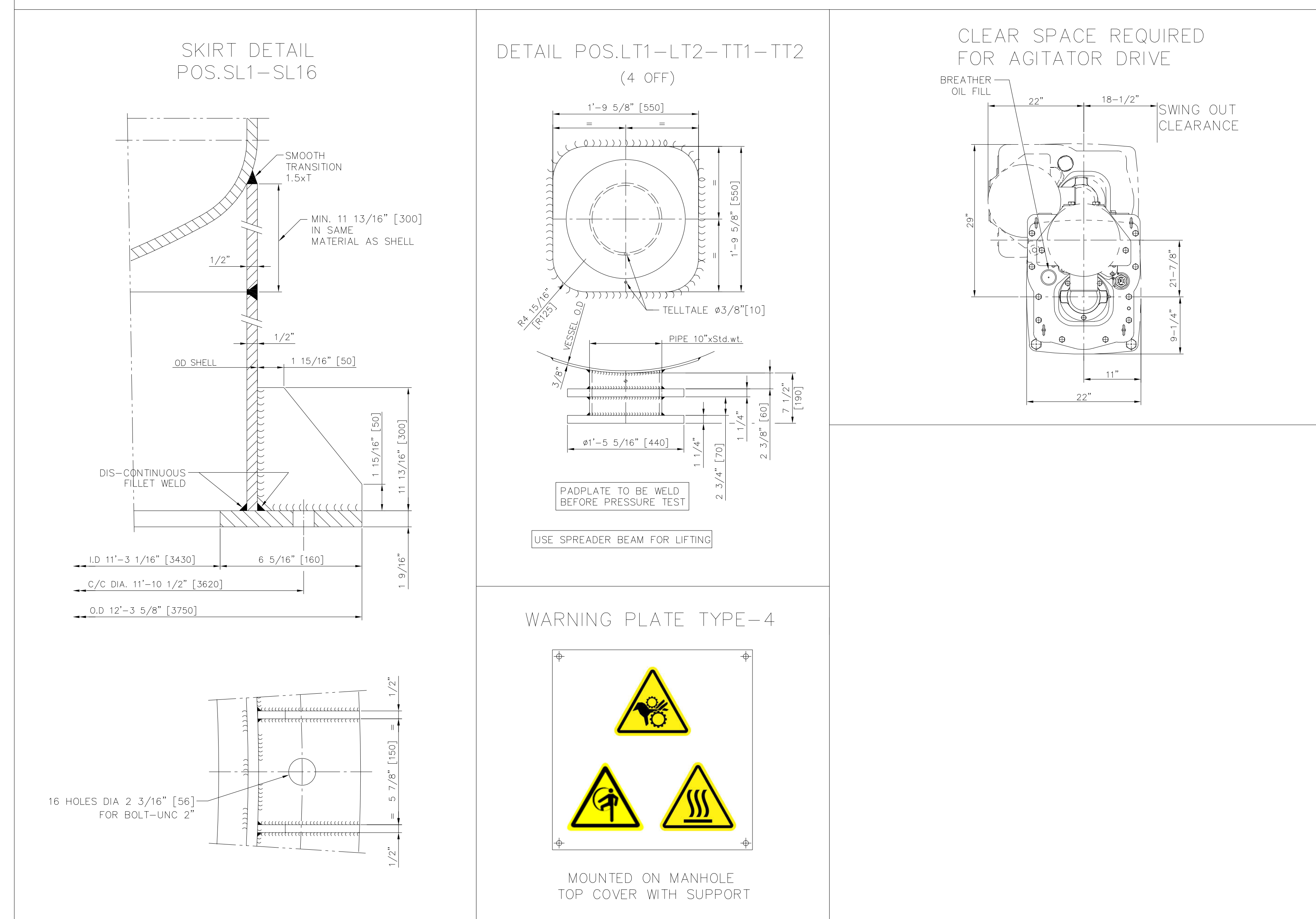
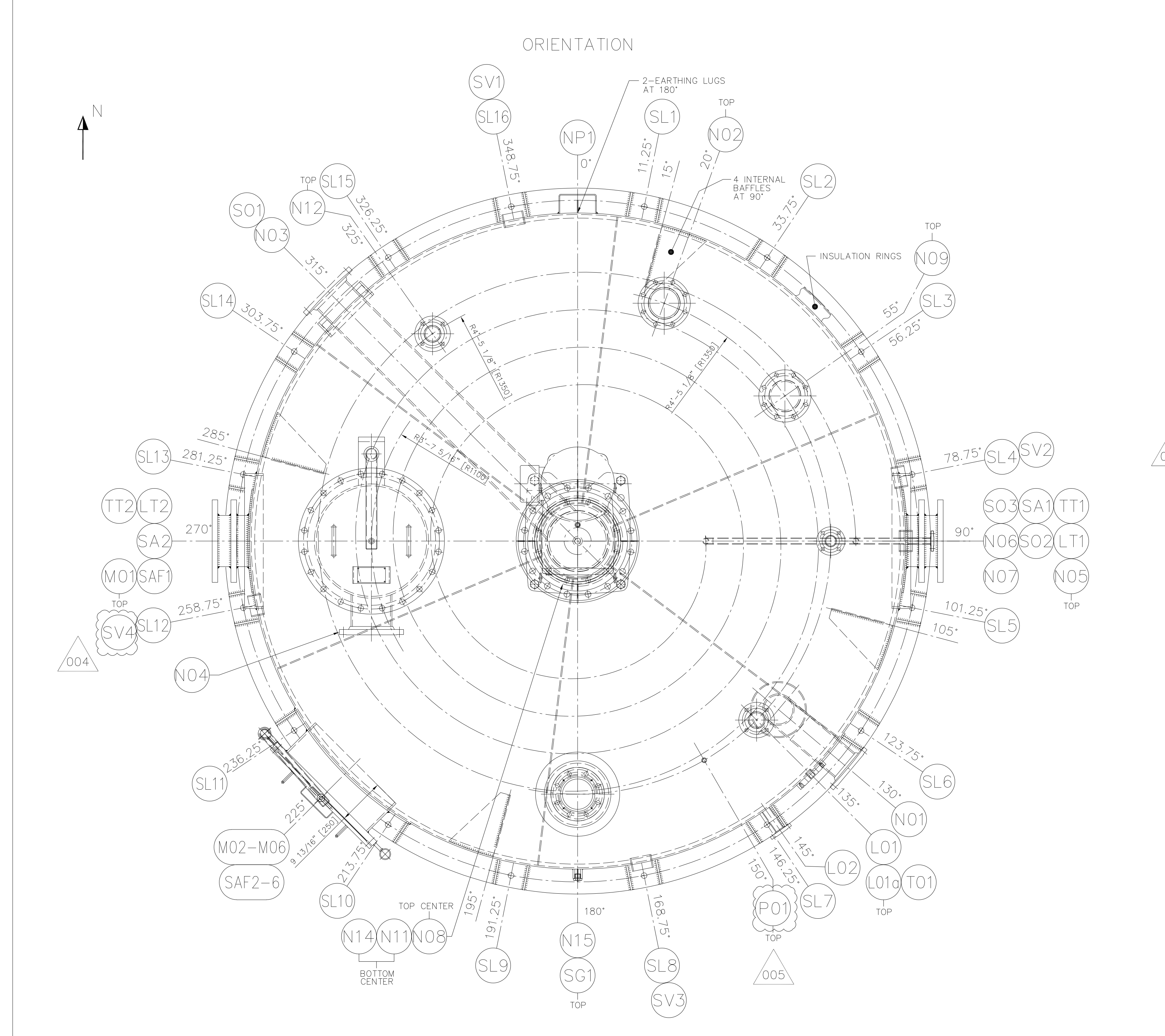
VE=96.7 m3

LEVEL 48'

LEVEL 32'

LEVEL 16'

LEVEL 0'



NOZZLES											
POS.	SERVICE	QTY	NOMINAL DIA	FLANGE RATING	TYPE	SCHED / THK.	REINF. DIA	PAD PROJ. LENGTH	REMARKS: DRG.	MELD TYPE	
N01	INLET FROM 68B1.1	1	6"	CLASS 150	SO-RF	SCH 40S	10 1/4"x3/8"	6'-5"		FW02/NW01	H
N02	INLET FROM FILTERS	1	6"	CLASS 150	SO-RF	SCH 40S	10 1/4"x3/8"	2'-4"		FW02/NW01	
N03	OUTLET TO PUMP	1	8"	CLASS 150	SO-RF	SCH 40S		6'-5"		FW02/NW01	
N04	VENT	1	8"	CLASS 150	SO-RF	SCH 40S				FW02/NW01	
N05	SAFETY VALVE INLET	1	2"	CLASS 150	SO-RF	SCH 40S	5 1/2"x3/8"	2'-4"		FW02/NW01	
N06	STEAM INLET TO EXTERNAL COIL	1	1"	CLASS 150	SO-RF	SCH 10S		6'-5"		FW02/NW014	
N07	CONDENSATE OUTLET FROM EXTERNAL COIL	1	1"	CLASS 150	SO-RF	SCH 10S		6'-5"		FW02/NW014	
N08	SEAT FOR AGITATOR	1	18"	CLASS 150	SO-RF	SCH 40S	2-1 7/8"x3/8"	F-11/N0		FW02/NW01	
N09	SPARE + BLIND	1	6"	CLASS 150	SO-RF	SCH 40S	10 1/4"x3/8"	2'-6"		FW02/NW01	
S02/S03	OPENING FOR POS.N06 - N07	2	3"			Std.wt.		5'-10 7/8"		NW03 SEE BODY	
N11	BOTTOM BEARING + BF	1	12"	CLASS 150	SO-RF	SCH 80S	1-5 11/16"x3/8"	F-71/N0		FW02/NW014	
N12	OIL INLET FROM P682H.1	1	3"	CLASS 150	SO-RF	SCH 40S	8 11/16"x3/8"	2'-6"		FW02/NW01	
S01	SLEEVE FOR POS.N03	1	12"			Std.wt.		5'-10 7/8"		NW03	
N14	DRAIN + PLUG	1	1" NPT	CLASS 3000	FULL COUPLING				WITH PLUG	SEE BODY	G
N15	DRAIN + PLUG	1	1" NPT	CLASS 3000	FULL COUPLING				WITH PLUG	SEE BODY	
L01	LEVEL TRANSMITTER (DP CELL)	1	3"	CLASS 150	PAD FLANGE					SEE BODY	
L01a	SEAT FOR LT COMPENSATION	1	3"	CLASS 150	SO-RF	SCH 40S	8 11/16"x3/8"	2'-6"		FW02/NW010	
L02	SEAT FOR LEVEL SWITCH (HCS)	1	1 1/2"	CLASS 150	SO-RF	SCH 40S		6'-5"		FW02/NW01	
T01	SEAT FOR TT	1	3/4"NPT	CLASS 3000	HALF COUPLING					NW04	
P01	SEAT FOR PRESSURE TRANSMITTER	1	1/2"NPT	CLASS 3000	FULL COUPLING					NW04	
M01	24" MANHOLE WITH PIVOT + ID-MESH	1	24"			1/2"	2'-7 7/8"x3/8"	F-11/N0	100170268	NW11	
M02	24" MANHOLE WITH VERT. DAVIT ARM	5	24"			1/2"	2'-10 1/4"x3/8"	F-11/N0	100170267	NW11	
S01	SIGHT GLASS MODEL-6	1	14"			SCH 40S	1' 5 3/4"x3/8"		0045364	NW10	
SV1-SV4	SKIRT VENT	4	4"			SCHED. 40S		5'-10 7/8"		NW03	
ACCESSORIES											
LT1-LT2	LIFTING TRUNNIONS	2								SEE DETAIL	F
TT1-TT2	TAILING TRUNNIONS	2								SEE DETAIL	
SL1-SL16	SUPPORTS	16								SEE DETAIL	
NP1	NAMEPLATE	1								100170988	
SAF1-SAF6	WARNING PLATE TYPE-4	6								00430529	
SA1-SAT2	SKIRT ACCESS	2								SEE DETAIL	
MATERIALS / CERTIFICATES											
ITEM	MATERIAL	CERT	ITEM	MATERIAL	CERT						
SHELL/HEADS	SA-240 304L		LIFTING TRUNNIONS	PIPE/PLATE	SA-240 304L						
NOZZLES NECKS	SA-312 TP304L		TAILING TRUNNIONS	PIPE/PLATE	SA-106 B/SA-36						
NOZZLES FLANGES	SA-182 F304L		TAILING TRUNNIONS	PIPE/PLATE	SA-36						
MANHOLE NECK	SA-240 304L		INTERNAL BOLTS & NUTS (UNC)	SA-193 B7/SA-194 2H							
MANHOLE FLANGES	SA-240 304L		INTERNAL BOLTS & NUTS (UNC)	SA-193 B7/SA-194 2H							
EXTERNAL COIL	SA-312 TP304		SEAT FOR TT & DRAIN	SA-403 WP304L							
EXTERNAL COIL FLANGES	SA-182 F304		SEAT FOR LT	SA-240 304L							
SKIRT	SA-240 304L/SA-36		SUPPORT FOR NAMEPLATE	SA-240 304L							
SKIRT	SA-36		EXTERNAL BOLTS & NUTS (UNC)	SA-193 B7/SA-194 2H							
SEAT FOR PIPE	SA-312 TP304L		INTERNAL BOLTS & NUTS (UNC)	SA-193 B7/SA-194 2H							
SIGHT GLASS PLATE	SA-240 304L		GASKET	GARLOCK 3500							
REINFORCEMENT PLATE	SA-240 304L		EXTERNAL STIFFENERS	SA-240 304L							
SKIRT VENT NOZZLES	SA-312 TP304L		INSULATION RINGS	SA-240 304L							
DESIGN DATA											
EQUIPMENT PRESSURE	OPERATING	barg	SHELL	FV	3 (43.5 psig)						
	DESIGN	barg	SHELL	FV/3.5 (50 psig)	6 (87 psig)						
	TEST	barg	SHELL	5.62 (81.5 psig)	7.8 (113.13 psig)						
TEMPERATURE	OPERATING	°C	DESIGN	65 (149° F)	144 (291.2° F)						
	DESIGN	°C	TEST	120 (248° F)	193.33 (380° F)						
	TEST	°C	AMBIENT	AMBIENT	AMBIENT						
MIN. DESIGN CORROSION ALLOWANCE	METAL TEMP.	°C		-10 (14° F)							
	STAINLESS STEEL	mm		0	0						
	CARBON STEEL	mm		1.6 (1/16")	1.6 (1/16")						
RADIOGRAPHY				SPOT	SPOT						
MIN. JOINT EFFICIENCY				0.85	0.85						
HEAT TREATMENT				NONE							
DESIGN CODE				ASME SEC. VIII DIV.1 Ed.2019	ASME B31.3						
WIND / SEISMIC DESIGN				101 mph / SDS = 1.077g, SDI = 0.664g (ASCE 7-16)							
FLUID				OIL + 2% BLEACHING EARTH	STEAM						
FLUID GROUP				NA	NA						
PED 2014/68/EU				NA							
ASME "U" STAMP				YES							
WEIGHT	EMPTY	kg		20880 (46032.5 lbs)							
	ASSEMBLED	kg		20880 (46032.5 lbs) + 1564 (3448 lbs)							
	INSULATION	kg		780 (1719.61 lbs)							
	OPERATING	kg		108090 (238298 lbs) + 1564 (3448 lbs)							
	FULL OF WATER	kg		127377 (280818 lbs) + 1564 (3448 lbs)							
VOLUME		m³		105.7 (3732.75 ft³)	0.017 (0.6 ft³)						
HEAT TRANSFER AREA		m²			3 (32.3 ft²)						
INSULATION	SURFACE AREA / THK.	m²/mm		130 / 50 (1399.3 ft² / 2")							
INSPECTED BY				ASME INSPECTOR							
NOTES:											
1. OPERATING FLUID DENSITY = 893.80 kg/m³ (55.80 lbs/ft³).											
REV. DATE DESCRIPTION OF MODIFICATION											
Desmet Ballestra Group											
ITEM NBR DISPOSITION 603PE.1 (19-D-751)											
DOCUMENT DESCRIPTION PE MATURATOR											
14.12.2020 100170985 005											
Ve=96.7-D=3500-H=10000-S=3											
IF IN DOUBT, ASK DO NOT SCALE !											
CAD DRWG. DO NOT MODIFY											

A

1

AO(841 x 1189)

IF IN DOUBT, ASK
DO NOT SCALE !

CAD DRWG.
NOT MODIFY



WORKSHOP INSTRUCTIONS

004	24.02.2022	POS.P01 UPDATED AS MARKED	-	HHS		
003	19.01.2022	IG-MESH DETAIL UPDATED AS MARKED	-	SHN		
002	25.10.2021	AGITATOR HOLD REMOVED AND STIFFENER ADDED.	-	NSB		
001	05.04.2021	DRAWING UPDATED AS MARKED	-	NSB		
REV	DATE	DESCRIPTION OF MODIFICATION	NBR OF MOD	BY		
				SHN/SKP		
			DOCUMENT TYPE	BODY		
Desmet Ballestra Group			PROJECT DESCRIPTION	WORPAR		
ITEM NBR	DISPOSITION	603PE.1 (19-D-751)	SECD	PKK	SCALE	FORMAT
DOCUMENT DESCRIPTION	PE MATURATOR		PROC	GJK		A0
			PROJM	JCC		
			DOM	PRA		
			DATE	DRAWING NUMBER		REVISION
Ve=96,7-D=3500-H=10000-S=3			14.12.2020	100170986		004