DESMET BALLESTRA

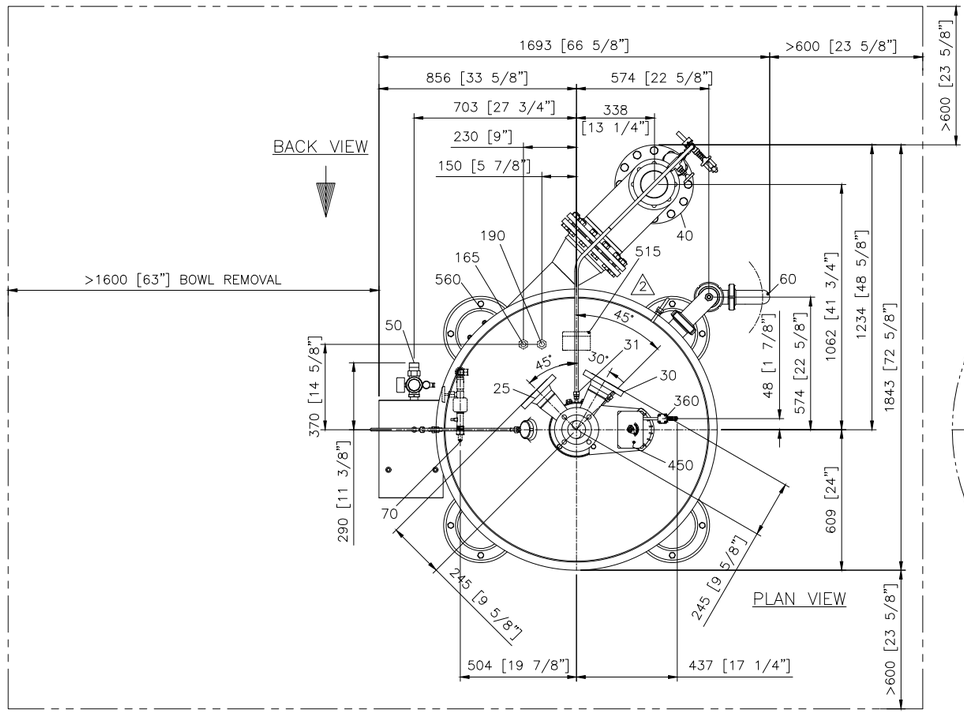
Oils & Fats desmet ballestra

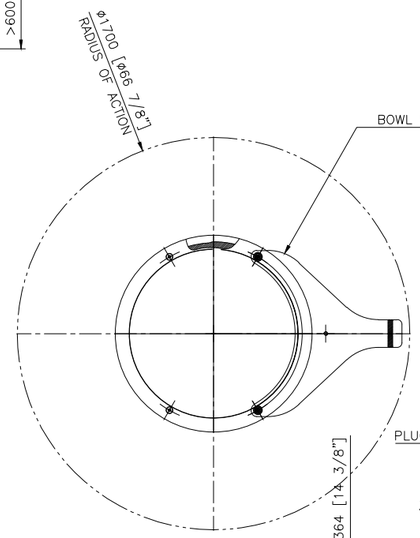
☑ APPROVED ☐ APPROVED WITH COMMENTS ☐ REJECTED

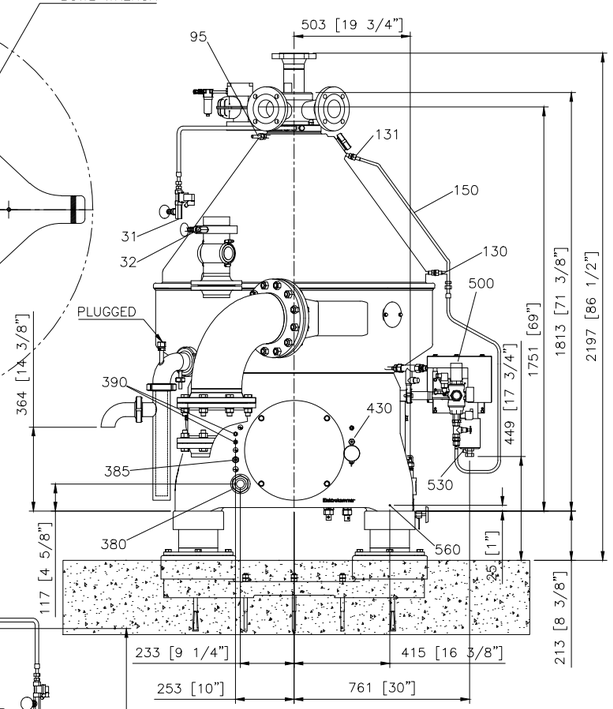
BY MYim DATE 9/27/2022

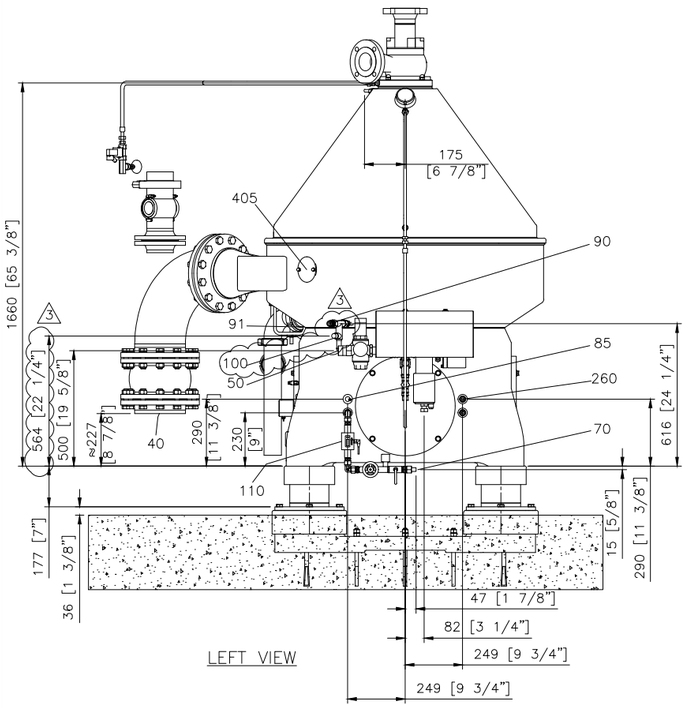
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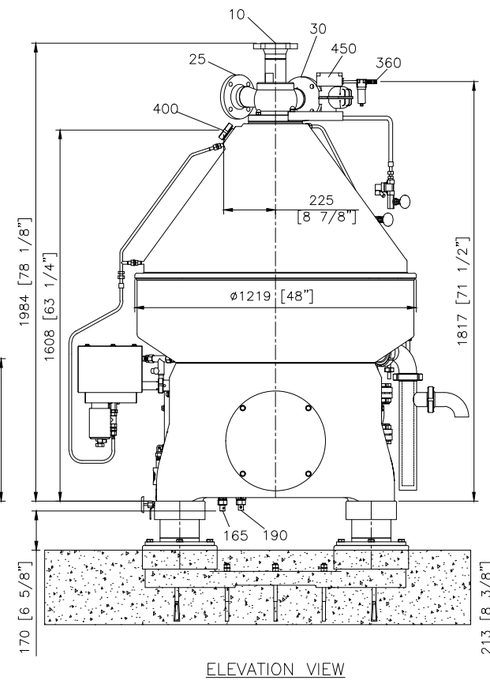
REVISIONS			
No.	DESCRIPTION	DATE	APPROVED
0	RELEASED PO-00028209 FOR MANUFACTURE	14/MAR/22	RXF
1	ADDED DIMENSIONS AS NOTED	16/MAY/22	AJS
2	ADDED DIMENSIONS AS NOTED	16/JUN/22	AJS
3	ADDED SEQ. #100 & DIMENSIONS AS NOTED	31/AUG/22	AJS

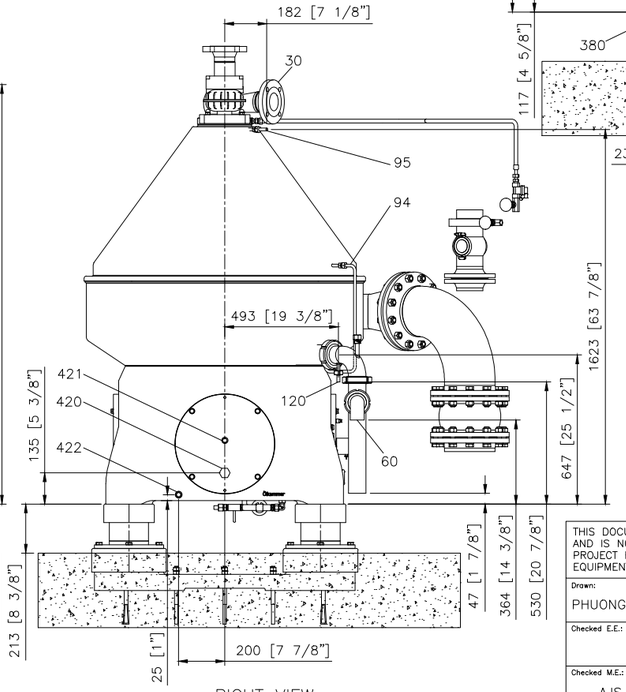












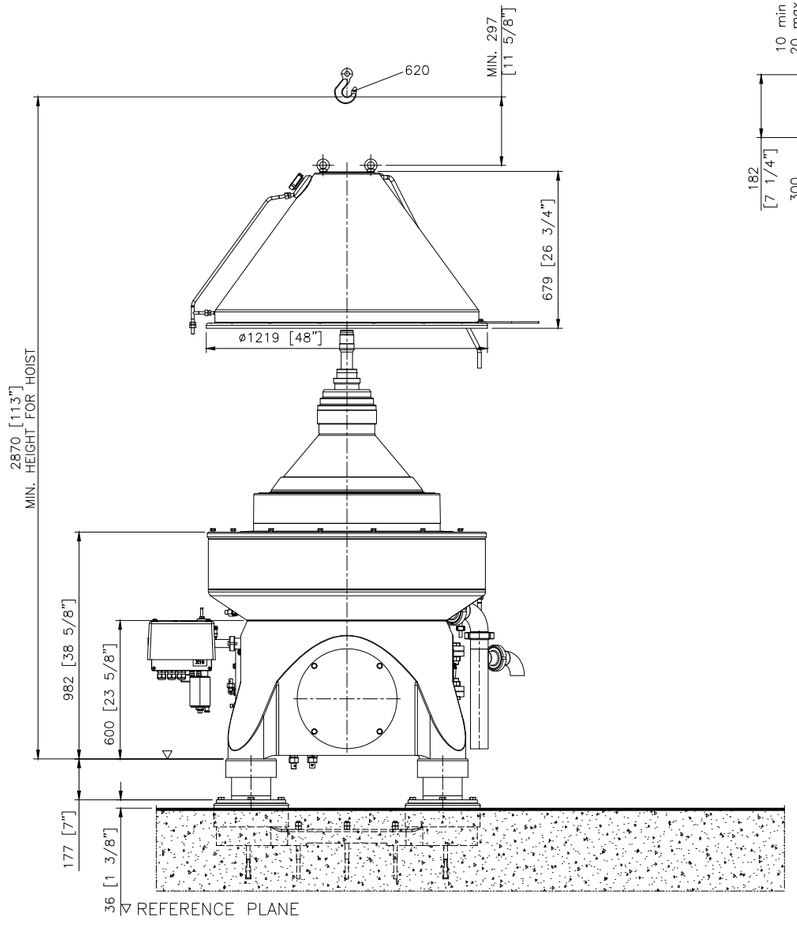
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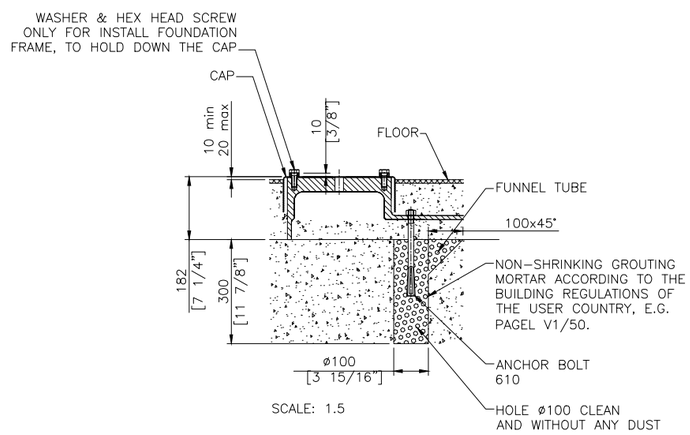
1. METRIC DIMENSIONS IN MILLIMETERS WHERE GIVEN ARE PER FACTORY FABRICATION DRAWINGS. ENGLISH EQUIVALENTS ARE SUPPLIED IN BRACKETS TO ACCURACIES OF ±1/8".
2. ENGLISH DIMENSIONS SHOULD BE USED ONLY FOR THE PURPOSE OF PIPING LAYOUT. TOLERANCES OF ±1/2" MAYBE EXPECTED DUE TO VARIATIONS IN THREAD ENGAGEMENT OVER TOTAL LINE ASSEMBLY LENGTH.
3. SEE INSTRUCTION MANUAL FOR ADDITIONAL NOTES.
4. HOIST TO HAVE ACCESS TO CLEAR AREA ON FLOOR TO DISMANTLE BOWL AND TO REMOVE MOTOR.

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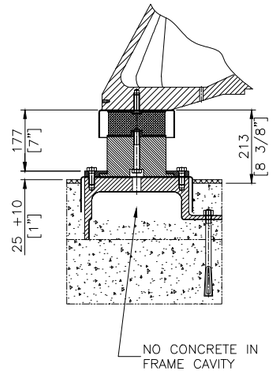
Drawn: PHUONG P.	Date: 06/OCT/21	GEA Mechanical Equipment US, Inc.	Westfalia Separator Division 100 FAIRWAY COURT, NORTHVALE, NEW JERSEY 07647
Checked E.E.:	Date:	Title:	INSTALLATION PLAN RSI 300-01-072
Checked M.E.: AJS	Date: 14/MAR/22		
Approved: RXF	Date: 14/MAR/22	Size: D; F.S.C.M. No.; Dwg. No. 9143-4100-702; Rev. 3	
		Scale: 1" = 1'-0"; M/F: 3813-4100-007/9143-4100-431; Sheet: 1 OF 4	

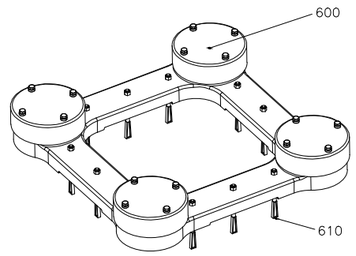
N:\Project Drawings and Programs\2A-AJS\2021-07_Desmet_2652368884 (RSI 300-01-072)\Drawings\Installation

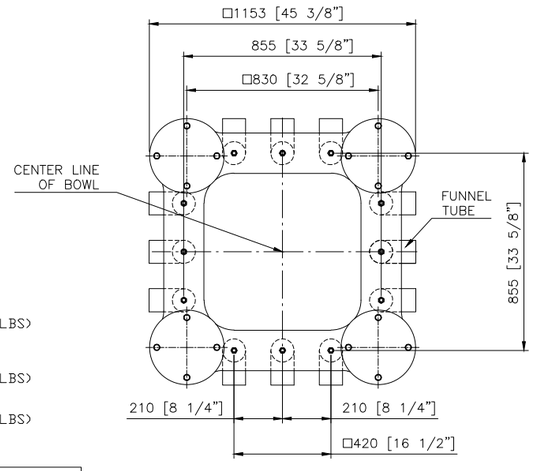




SCALE: 1.5







10 PRODUCT FEED 3"-150# ANSI FLANGE B16.5 150 PSI
25 DISCHARGE LIGHT PHASE 3"-150# ANSI FLANGE B16.5 150 PSI
30 DISCHARGE HEAVY PHASE 3"-150# ANSI FLANGE B16.5 150 PSI
31 HOT WATER INLET 1/2" FNPT
32 WATER INLET FROM RECYCLE 1/2" FNPT
40 SOLIDS DISCHARGE WITH COUNTERFLANGE DN200
50 OPERATING WATER FEED G 1-1/4" ISO228-1
60 OPERATING WATER DISCHARGE 53x1.5 (DO NOT CONNECT TO A PIPING SYSTEM.
OPERATING-WATER MUST BE ABLE TO DISCHARGE FREELY INTO SEWER
OR SLUDGE TANK, E.G. VIA A FUNNEL)
70 COOLING-WATER FEED MOTOR ISO 8434-1/SDSNP-S16
85 COOLING WATER DISCHARGE FRAME ISO 8434-1/BHS-L15
90 COOLING-WATER FEED SOLIDS COLLECTOR ISO 8434-1/WDSNP-S16
91 COOLING-WATER DISCHARGE SOLIDS COLLECTOR ISO 8434-1/WDSNP-S16
94 COOLING-WATER FEED HOOD ISO 8434-1/WDSNP-S16
95 COOLING-WATER DISCHARGE HOOD TO HOT WATER TANK ISO 8434-1/WDSNP-S16
3 100 OVER PRESSURE RELIEF DISCHARGE R1/2"
110 COOLING WATER LINE
120 FLUSH WATER BOWL BOTTOM DIN 11864-GS-A-13,5x1,6
130 HOOD CHAMBER FLUSH WATER DIN 11864-GS-A-13,5x1,6
131 HOOD CHAMBER FLUSH WATER DIN 11864-GS-A-13,5x1,6
150 SPRAY WATER LINE
165 FRAME LEAKAGE-WATER DISCHARGE FRAME ISO 8434-1/SDSNP-L22xM26
190 GEAR LEAKAGE-WATER DISCHARGE FRAME ISO 8434-1/SDSNP-L22xM26
260 SEALING CHAMBER ISO8434-1/BHSNP-L15
360 INSTRUMENT-VENTING AIR "FINE TUNER" SCREWED HOSE CONNECTION ISO 228-1 R ⅛, 8x1
380 MAIN DRIVE CONNECTION FOR POWER SUPPLY, CABLE BUSHING M63x1,5 ø32-42MM
385 CABLE BUSHING M20x1,5 ø5-13
390 CABLE BUSHING M16x1,5 ø5-10
400 INSPECTION HOLE HOOD SPACE
405 INSPECTION HOLE SOLIDS CATCHER
420 OIL INSPECTION HOLE
421 OIL CHANGE HOLE INLET
422 OIL DRAIN SCREW
430 VIBRATION MONITOR
450 DRIVE "FINE TUNER"
500 OPERATING WATER CONNECTION WITH TERMINAL BOX X10
530 COMPRESSED AIR FOR DOSING CYLINDER, SCREWED HOSE CONNECTION ISO 228-1 R1 ¼IIN 8x1
560 CONNECTION FOR POTENTIAL EQUALIZATION M8
600 FOUNDATION FRAME
610 ANCHOR BOLT FM 16x250-MU-4.6-DIN529
620 HOIST (LOAD-SHEET 2)

MIN. LIFTING CAPACITY FOR LIFTING THE BOWL: 1500 KG
THE HOIST MUST BE OF MOBILE AND SWIVEL-TYPE DESIGN. IT HAS TO BE ARRANGED FOR CARRYING OUT THE FOLLOWING OPERATIONS:
-INSTALLING AND REMOVAL OF HOOD, OF BOWL AND OF DRIVE MOTOR IN VERTICAL DIRECTION.
-PLACING HOOD, BOWL AND DRIVE MOTOR, I.E. ON THE FLOOR, IN VERTICAL DIRECTION.

PIPE AND PIPE CONNECTIONS ARE RATED WITHOUT ADDITIONAL FORCES!

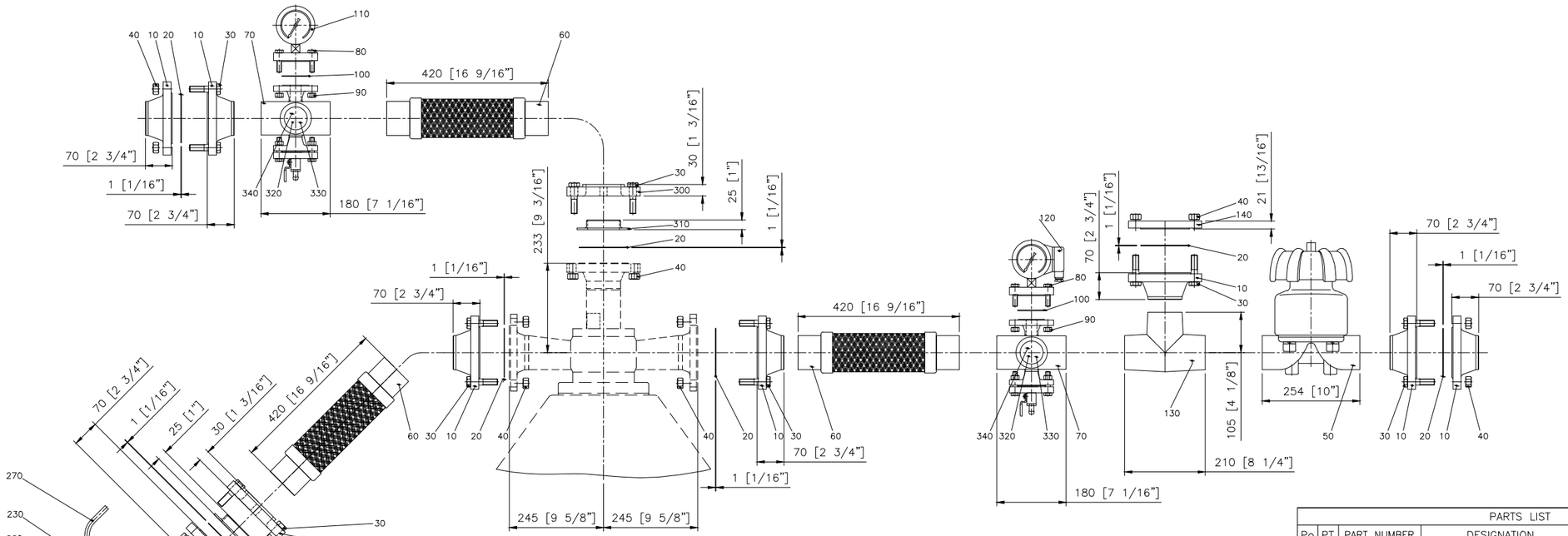
WEIGHTS

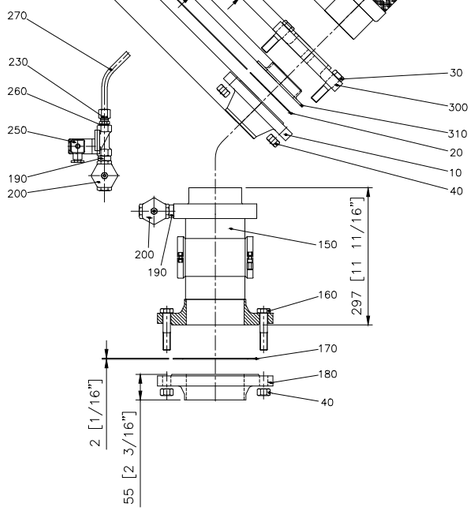
FRAME WEIGHT: (WITHOUT BOWL & MOTOR)	1500 KG (3307 LBS)
BOWL WEIGHT WITHOUT PRODUCT:	1200 KG (2646 LBS)
WEIGHT OF SEPARATOR WITHOUT PRODUCT:	2900 KG (6393 LBS)

LOAD ON FOUNDATION		
STATIC LOAD	N= 29000N	
DYNAMIC LOAD HORIZONTAL	ON EACH FOOT 7100N	REVOLVING AT
DYNAMIC LOAD VERTICAL	ON EACH FOOT 23500N	BOWL SPEED
THE DYNAMIC FORCES OF EACH INDIVIDUAL FOOT ACT JOINTLY AS TORQUE ON THE FOUNDATION.		

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Drawn:	Date:	GEA Mechanical Equipment US, Inc. Westfalia Separator Division 100 FAIRWAY COURT, NORTHVALE, NEW JERSEY 07647			
PHUONG P.	06/OCT/21				
Checked E.E.:	Date:	Title: INSTALLATION PLAN RSI 300-01-072			
Checked M.E.: AJS	Date: 14/MAR/22				
Approved: RXF	Date: 14/MAR/22	Size: D	F.S.C.M. No.	Dwg. No. 9143-4100-702	Rev. 3
		Scale: 1" = 1'-0"	M/F: 3813-4100-007/9143-4100-431	Sheet: 2 OF 4	

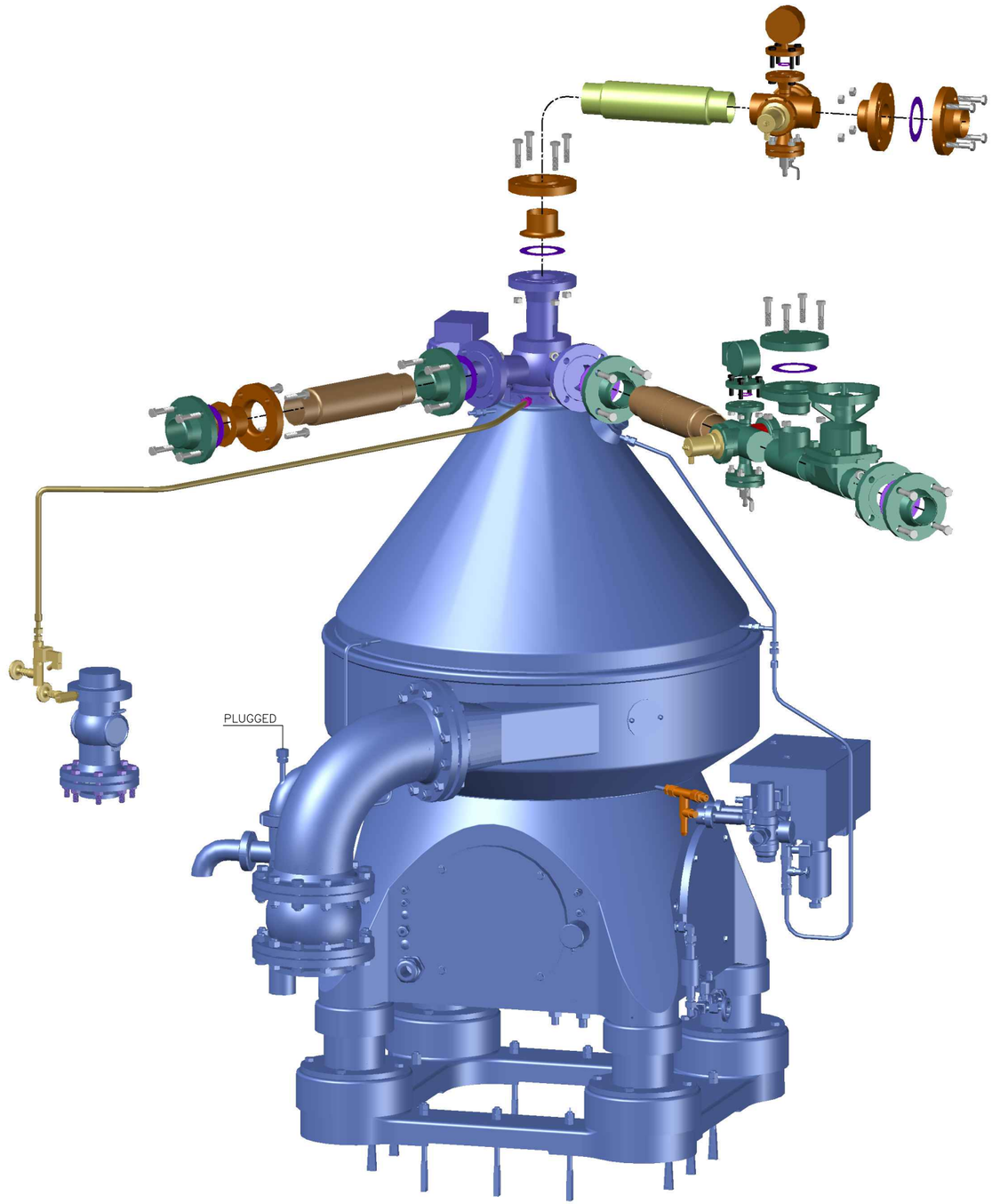




PARTS LIST						
Pos.	PTP	PART NUMBER	DESIGNATION	DIMENSIONS	QTY	ME
10	L	0001-1275-400	FLANGE	3 IN ANSI	9	ST
20	L	0004-2732-780	GASKET	ANSI B16,5-3 IN 150 PSI	7	ST
30	L	0019-6610-400	HEX HEAD SCREW	M16x70	28	ST
40	L	0013-0282-400	HEXAGON NUT	M16	32	ST
50	L	0018-8597-400	DIAPHRAGM SHUT-OFF VALVE	2/2-80 - TYP653	1	ST
60	L	0018-9699-400	COMPENSATOR	80x420	4	ST
70	L	2298-2002-110	SIGHT GLASS HOUSING	DN 80	2	ST
80	L	0019-6974-300	HEX HEAD SCREW	M12x50	8	ST
90	L	0013-0280-300	HEXAGON NUT	M12	8	ST
100	L	0004-2188-390	GASKET	IBC 25-PN 40-1,5	2	ST
110	L	0001-1891-400	PRESSURE GAUGE	-1-5bar-DN25	1	ST
120	L	0001-1744-400	PRESSURE INDICATOR SWITCH	0-10 bar DN 25 4-20 mA	1	ST
130	L	0018-9411-400	T- PIECE	88,9X3,2- 88,9X3,2	1	ST
140	L	0001-1380-400	BLIND FLANGE	3IN	1	ST
150	L	2325-2003-010	SIGHT GLASS COMPL.		1	ST
160	L	0019-6612-400	HEX HEAD SCREW	M16x80	8	ST
170	L	0004-2236-390	GASKET	IBC 125-PN 16-1,5	1	ST
180	L	0001-0384-400	FLANGE	C125x139,7	1	ST
190	L	0018-0965-400	DOUBLE NIPPLE	R 1/2"	2	ST
200	L	0018-1679-600	FINE-REGULATOR VALVE	1/2"	2	ST
210	L	0018-5918-400	SCREWED NIPPLE	GE12-PS/R1/2-ED-OMD	2	ST
220	L	0018-2097-400	SCREW COUPLING	12-178132	1	ST
230	L	0007-2003-390	GASKET	9x1,5	2	ST
240	L	0018-5917-400	ADJUSTABLE L-CONNECTION	EL12-PS-OMD	1	ST
250	L	0018-7383-660	SOLENOID VALVE	1/2"	1	ST
260	L	0018-3462-400	SCREW COUPLING	DS12-R1/2	1	ST
270	L	6929-0146-400	PIPE	12x2	2	M
280	L	0018-5818-400	WELDING CONE	SKA 12x1,5	1	ST
290	L	0013-0078-400	COUPLING NUT	M20x1,5	1	ST
300	L	0001-1566-400	BLIND FLANGE	3 IN- 150PSI	3	ST
310	L	0001-1567-400	BORDER	3 IN	3	ST
320	L	0005-1974-300	LOOKING GLASS LIGHT	24V AC- LED	2	ST
330	L	0005-1974-330	FOLDING HING SIGHTGLASS	DN80	2	ST
340	L	0005-1651-100	CABLE JUNCTION BOX	EVT129-WINKLIG 25M	2	ST

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		Scale: 1/2"=1'-0" M/F: 3813-4100-007/9143-4100-451	Sheet: 3 OF 4



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