



PROJECT INFORMATION					
CUSTOMER:		MELCO ENGINEERING PTY LTD		KREBS SO#:	
PROJECT / PO#:		COAL / PO# 89138 / 19600GE-8		SERIAL No.:	
EQUIP. USE/DESCRIPTION:		DE-SUMMING CYCLONE FEED PUMP		CONFIGURATION:	
EQUIP. No:		300-PP-142		LH SIDE x SIDE	
DISCHARGE POSITION:		TOP VERTICAL		PUMP SPEED:	
FLOW		1134 m ³ /h		TDH:	
				29.8 m	
UNIT SPECIFICATION'S				WGT	
ITEM	P/N	DESCRIPTION	kg	Lbs	
PUMP:	MM300-C42A14675	12X10-30 MMC milIMAX PUMP	2722	6001	
MOTOR:	MM-MOTORA14675	TECO 185KW 415V 50HZ 1500RPM 4P D315M FRAME	1860	4101	
MOTOR RAILS:	MM-703-10A668	ADJUSTABLE RAIL	111	245	
MOTOR DRIVE SHEAVE:	MM-SHVSPC-300-8	Ø D. 300mm [11.81"]			
MOTOR BUSHING SIZE:	MM-BUSH-4040-85	Ø 85mm [Ø 3.35"]			
PUMP DRIVE SHEAVE:	MM-SHVSPC-800-8	Ø R.D. 800mm [31.5"]	168	371	
PUMP BUSHING SIZE:	MM-BUSH-5050-100	Ø 100mm [Ø 3.94"]			
BELTS:	MM-BELT-SPC4750	(QTY. 8)			
BASE ASSEMBLY KIT (CONTENTS)				WGT	
ITEM	QTY	P/N	DESCRIPTION	kg	Lbs
A	1	MM300-508A14675	LEFT HAND SIDE X SIDE MMC GUARD	246	542
B	1	MMC-507-Off60	LEFT HAND SIDE X SIDE BASE	632	1173
C	1	MM6-581A14675	MOTOR SPACER LEFT SIDE D315MC MOTOR	394	869
D	1	MMC-580-10001	PEDESTAL SPACER	149	328
E	1	MMC-586-Off60	BASE EXTENDER	104	229
EQUIPMENT HOLD DOWN KIT (CONTENTS)				WGT	
ITEM	QTY	P/N	DESCRIPTION	kg	Lbs
1	4	MM00-L05150303H	BOLT, HEX, M30 X 150mm LONG		
2	10	MM350-334.10079	BOLT, HEX, M30 X 80mm LONG		
3	22	MM250-434.10012	WASHER, M30		
4	8	MM250-534.10012	NUT, HEX, M30		
5	16	MM100-034.10034	BOLT, HEX, M20 X 40mm LONG		
6	24	MM250-140-10001	WASHER, M20	17	37
7	8	MM00-L05040101H	BOLT, HEX, M10 X 40mm LONG		
8	16	MM080-140-10001	WASHER, M10		
9	8	MM01-L05-101H	NUT, HEX, M10		
10	4	MM100-034.10018	BOLT, HEX, M20 X 50mm LONG		
11	4	MM01-L05-101H	NUT, HEX, M20		
TOTAL WEIGHT:				6050	11291



2	7/3/2017	ADDED TABLE FOR CUSTOMER INFORMATION. ADDED DIMENSION 441mm IN SECTION VIEW A-A.			
1	6/28/2017	SECTION VIEW A-A: ADDED DIMENSION AND CORRECTED DIMENSION.			
NO.	DATE	REVISION DESCRIPTION			ZONE
 REVISION				5505 WEST GILLETTE ROAD TUCSON, AZ 85743 www.krebs.com	
Rev. By:					
SAY					
Approval Date:	Scale:	Drawn By:	Date Drawn:	Orig. Apprv. By:	Sheet:
07/05/2017	---	KAG	06/23/17	JM RAL	1 OF 1
Approved By:		FABRICATION ARRANGEMENT: millmax 12X10-30 ON A MMC FRAME WITH CENTRIFUGAL SEAL ANSI FLANGES ON A MMC FRAME AND LEFT SIDE POSITIONED 185KW D315M TECO MOTOR			
					
C	© FLSmidth KREBS 2017	DWG. NO.	PG300-C42A14675		

NOTES:

1. USE PARTS LIST PA300-C42-00001-49.
2. PIPE CONNECTIONS MUST BE MADE WITHOUT STRESS OR STRAIN.
3. ANCHOR BOLTS M30 [1-1/8"] DIA. MIN.
4. RECOMMENDED ANCHOR BOLT PROJECTION SHALL ACCOMMODATE A MINIMUM HEIGHT OF (2) THREADS PLUS FULLY ENGAGED/TIGHTENED HEAVY HEX NUT(S)

FOR APPROVAL

CERTIFIED BY 

FLSmidth Krebs Australia
A Business Unit of FLSmidth Pty Ltd
51 DAYS ROAD COOMERA,
QLD, AUSTRALIA 4209
PHONE: (07) 5519 5700



EQUIPMENT NUMBER: 300-PP-142
DESLIMING CYCLONE FEED PUMP
DRAWING NUMBER: THI-300-3629

TOLERANCE SCHEDULE UNLESS OTHERWISE SPECIFIED		
-24" = ±1/4"	+24" thru 100" = ±1/2"	+100" = ±1"
[-600mm = ±6mm]	[+600mm thru 2500mm = ±12mm]	[+2500mm = ±25mm]

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EQUIPMENT NO.:CV-143
JIG FEED BUCKET ELEVATOR
DRAWING NO.:THI-300-3609

[illegible]

2.3 The flip-flow principle with additional circular movement

The two eccentrics of the drive shaft displace every other crossbar (fig. 7, Item 52) into a torsion movement.

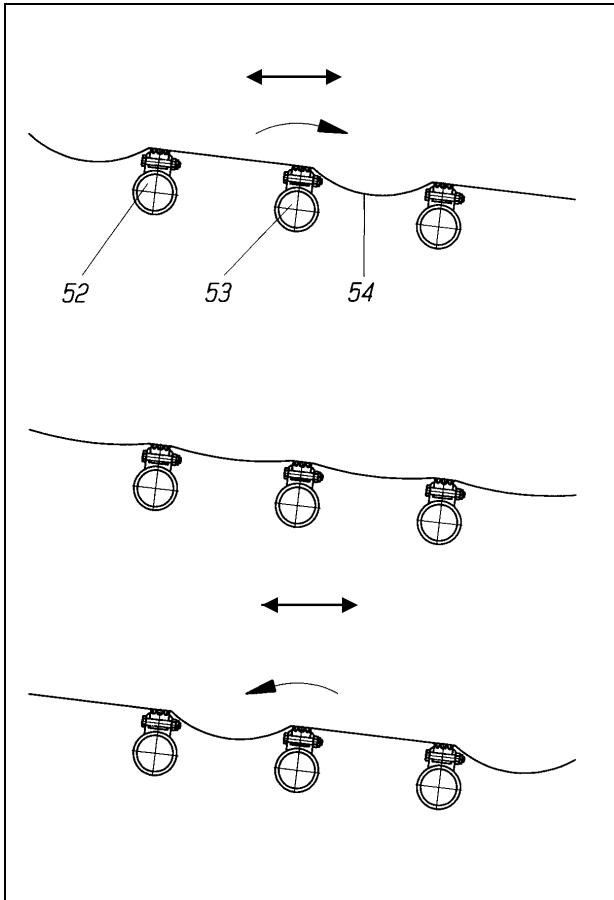


Fig. 7

Legend: 52 / 53 cross beam
54 screen mat

This movement causes the crossbars to alternately tension and flex screen panels clamped on them (54). The upshot of this tensioning and flexing phases is the trampoline-type movement characteristic of the LIWELL® screening machine to the panels incorporated transversely to the direction of screening (see fig. 8). The elasticity and expandability of the highly wear-resistant screen panels are put to best possible use for the screening procedure by the LIWELL® principle.

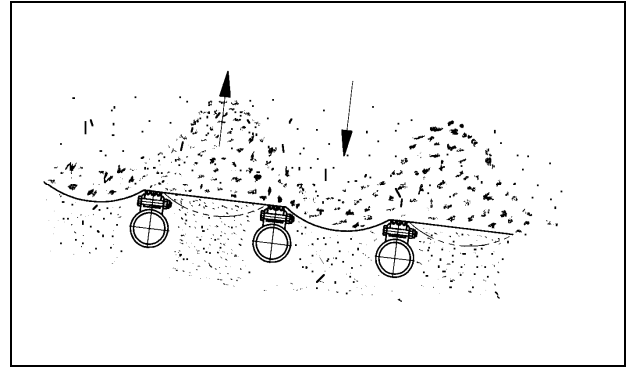


Fig. 8

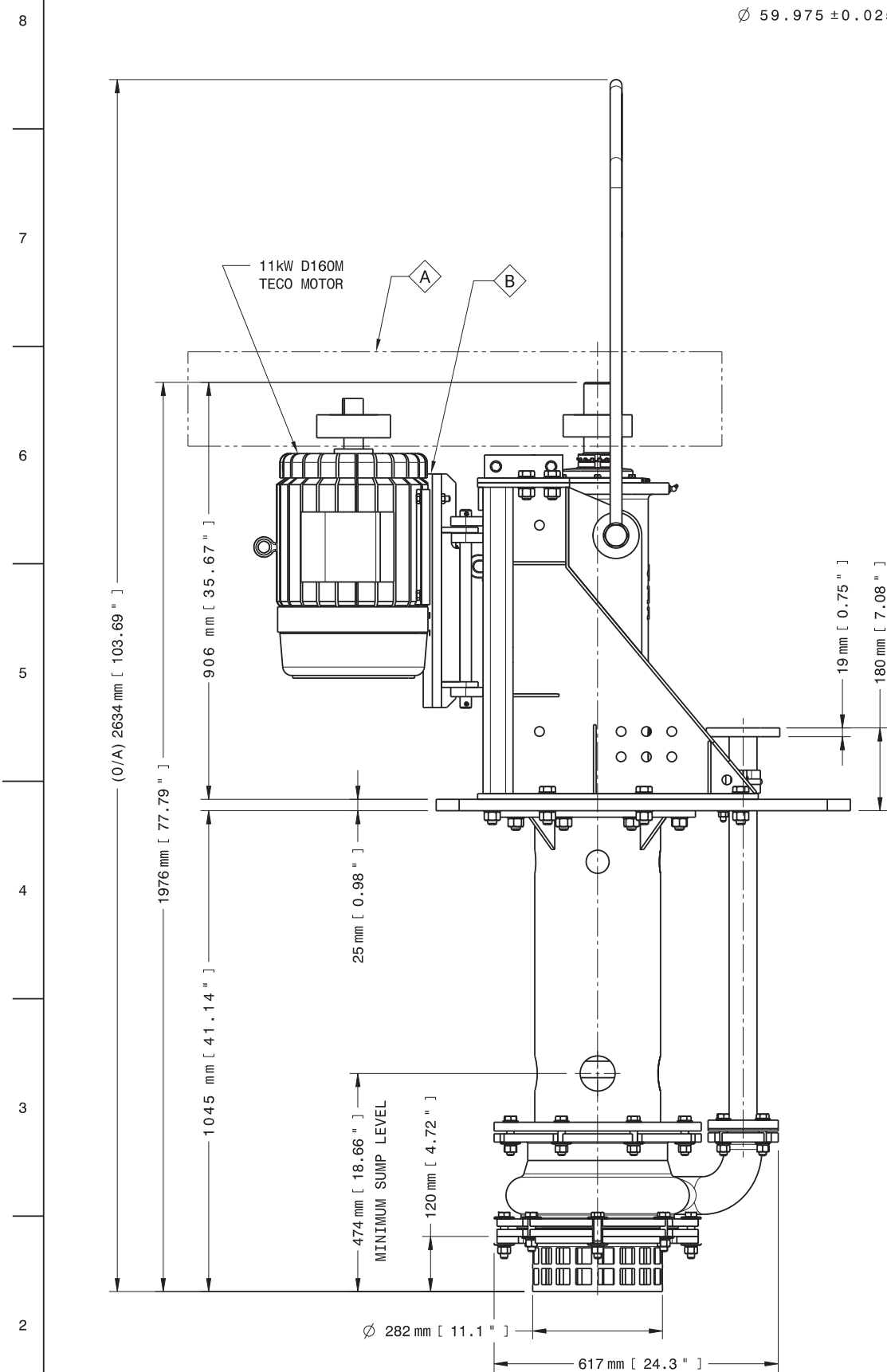
The screen panels transfer a high degree of acceleration onto the material being screened. This acceleration transferred to the material being screened can be up to 50g* and more depending on screen panel pre-tensioning. Pre-tensioning can be selected within certain ranges. This tensioning movement is additionally overlapped by a circular vibratory movement of the entire screen box, again enhancing screening and material transport.

Screening advantages:

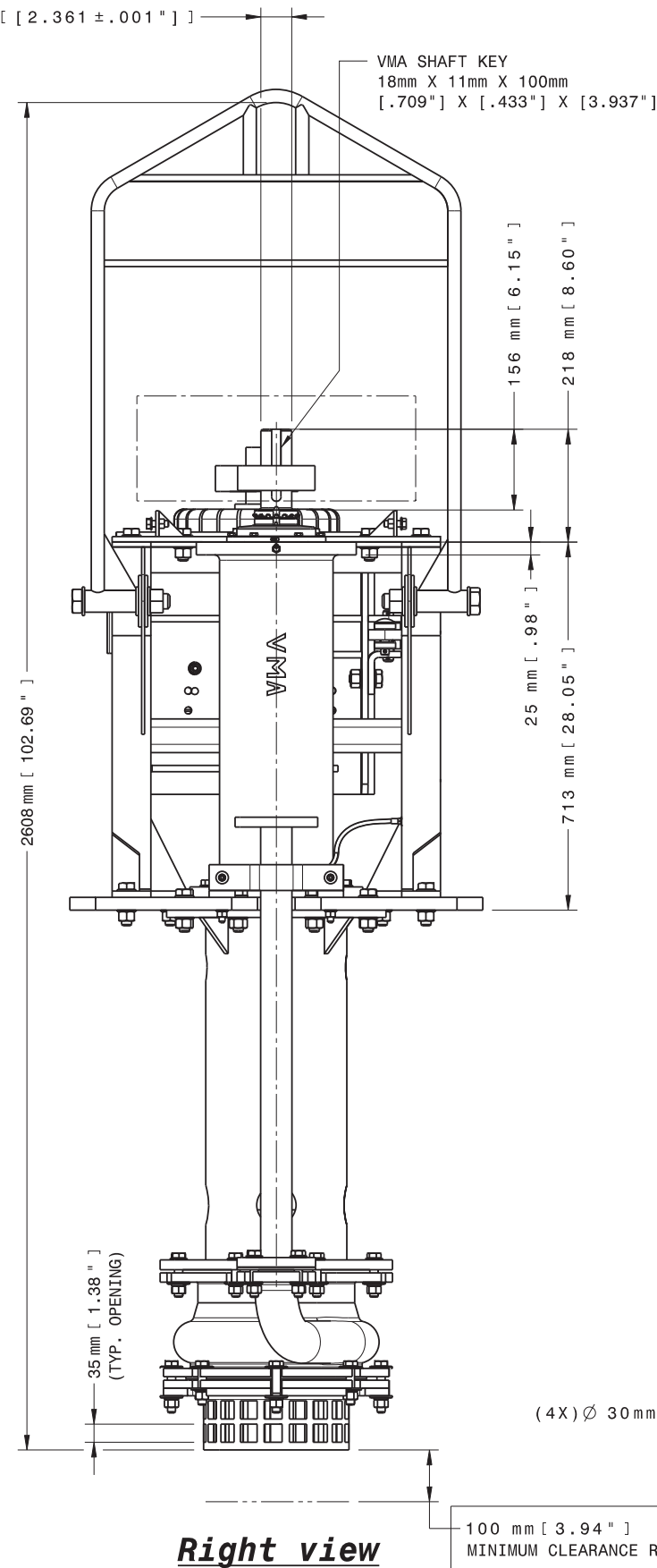
High acceleration brings about intensive loosening and demixing of the material being screened. At the same time, more fine material arrives at the mesh opening than is the case with conventional screening machines. The consequence is a high specific throughput performance. Important here is the trampoline effect for reducing particles sticking.

Caking is prevented by the elastic screen panels being continuously flexed. The screen panels being expanded flexed causes a slight change in the mesh opening in the direction of pull. One can speak of the mesh opening "breathing". This expansion in conjunction with the high acceleration forces prevents the particles from sticking.

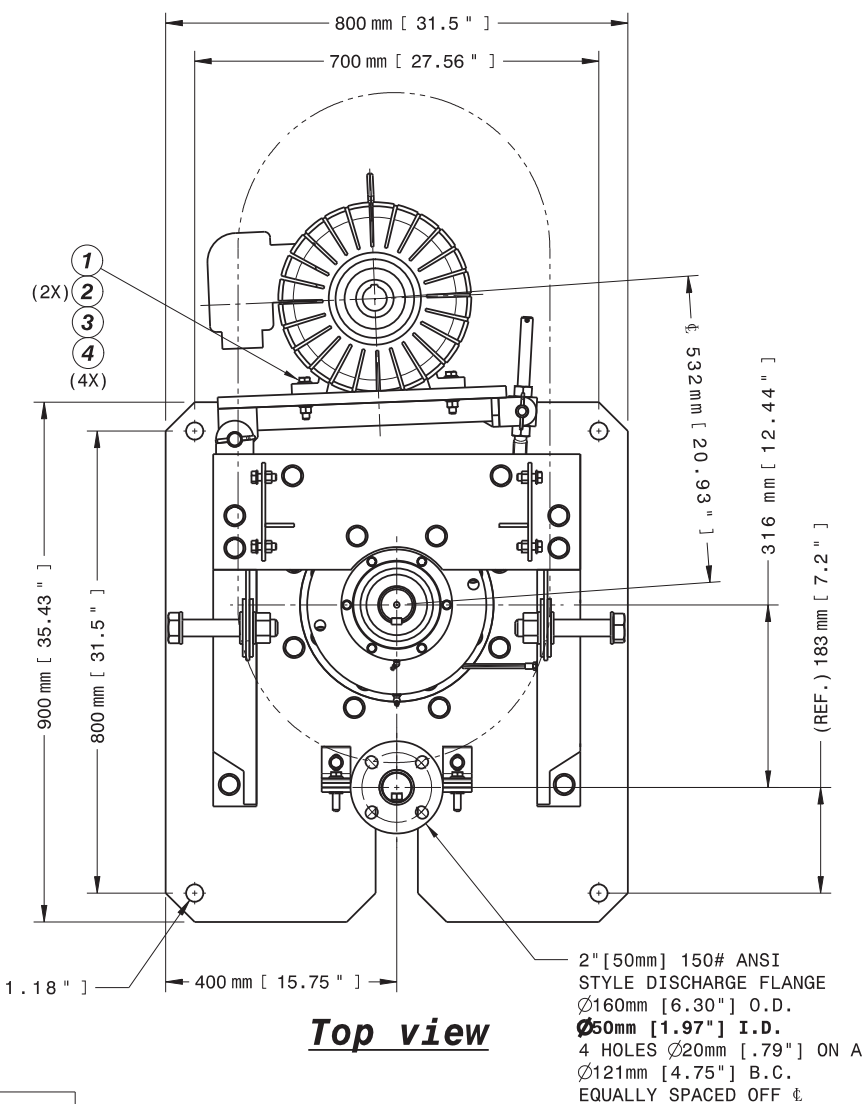
* 1g = 9,81 m/s²



Front view



Right view



Top view

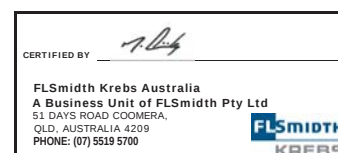
PROJECT INFORMATION					
CUSTOMER:		MELCO ENGINEERING PTY LTD			
PROJECT No. / PO#		LAKE VERMONT / PO# 89138 / 19800GE-8		KREBS SO#	
EQUIP. USE/DESCRIPTION:		JIG FLOOR SUMP PUMP		SERIAL No.: KM14676	
EQUIP. No:		300-PP-150		PUMP SPEED: 1518 RPM	
FLOW:		37.4 m³/hr		TDH: 20.6 m	
UNIT SPECIFICATION'S					
ITEM	P/N	DESCRIPTION	WGT		
			kg	Lbs	
PUMP:	VM050-A80A14676	MAX 2X2.10 WITH 1.2m SETTING LENGTH	621	1369	
MOTOR:	MM-MOTORA14676	TECO 11kW 415V 50HZ 4P 1500RPM D160M FRAME	108	238	
MOTOR DRIVE SHEAVE:	MM-SHVSPA-160.3	O D. 160mm [6.30"]	8	18	
MOTOR DRIVING SIZE:	MM-BUSH-2517.42	O42mm [1.65"]			
PUMP DRIVE SHEAVE:	MM-SHVSPA-150.3	O D. 150mm [5.91"]			
PUMP BUSHING SIZE:	MM-BUSH-2517.60	O60mm [2.36"]			
BELTS:	MM-BELT-SPA1550	[QTY. 3]			
PUMP COMPONENTS					
ITEM	QTY	P/N	DESCRIPTION	WGT	
				kg	Lbs
A	1	VMA-502-254T256	MAX DRIVE GUARD FOR D160M FRAME MOTOR	40	88
B	1	VMA-501-254T256	MAX MOTOR MOUNT FOR D160M FRAME MOTOR	48	106
MOTOR MOUNT KIT (CONTENTS)					
ITEM	QTY	P/N	DESCRIPTION	WGT	
				kg	Lbs
1	4	MM00-L05065121L	BOLT, HEX, M12 X 85mm LONG	2	4
2	8	MM100-434-10025	WASHER, FLAT, M12 HD		
3	4	MM080-234-10001	NUT, HEX, M12		
4	4	MM-SOFSHOE49125	SOFSHOE SHIMS, 2 X 2 X .045, WITH 5/8" SLOT		
TOTAL EST. WGT.:				827	1823

NOTES:

1. USE PARTS LIST VL050-A80-1200.
2. MATERIALS OF CONSTRUCTION:
* WETTED PARTS: HIGH CHROME.
* STRUCTURAL COMPONENTS: MILD STEEL.

EQUIPMENT NUMBER: 300-PP-150
JIG FLOOR SUMP PUMP
DRAWING NUMBER: THI-300-3630

FOR APPROVAL

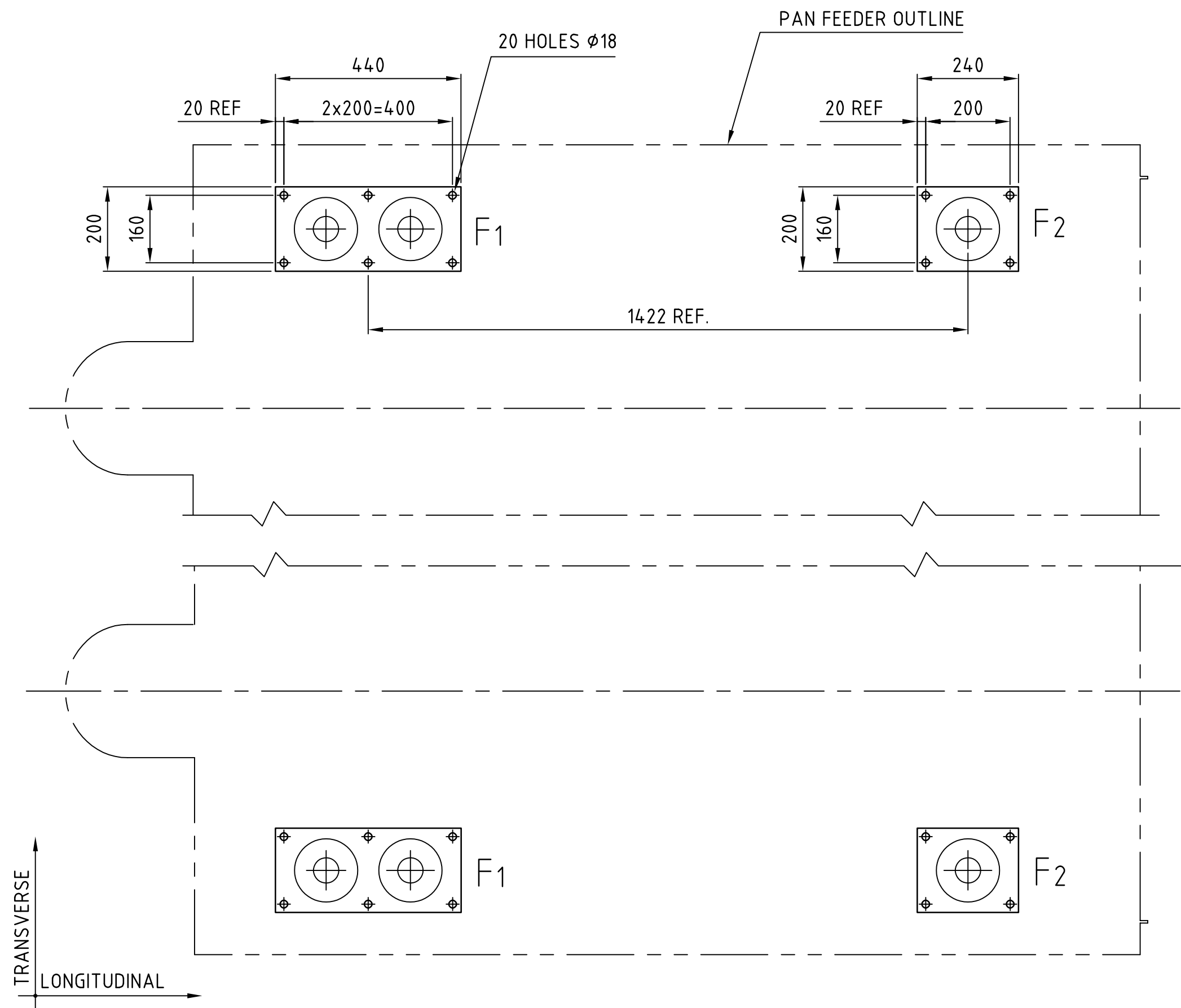


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TOLERANCE SCHEDULE: UNLESS OTHERWISE SPECIFIED		
-24" = $\pm 1/4"$	+24" thru 100" = $\pm 1/2"$	+100" = $\pm 1"$
[-600mm = $\pm 6mm$]	[+600mm thru 2500mm = $\pm 12mm$]	[+2500mm = $\pm 25mm$]

1	7/3/2017	ADDED TABLE PER CUSTOMER INFORMATION.			
NO.	DATE	REVISION DESCRIPTION			ZONE
				5505 WEST GILLETTE ROAD TUCSON, AZ 85743 www.krebs.com	
REVISION Rev. By:					
SAY					
Approval Date:	Scale:	Drawn By:	Date Drawn:	Orig. Approval By:	Sheet:
07/05/2017	---	VIR	06/23/17	JM RAL	1 OF 1
Approved By:		GENERAL ARRANGEMENT: vMxM 2X2-10 PUMP WITH ANSI DISCHARGE FLANGE AND 1.2m SETTING LENGTH ON A VMA FRAME. COMPLETE WITH V-BELT DRIVE AND 11KW D160MM FRAME TECO MOTOR			
					
		© FLSMIDTH KREBS 2017		DWG NO. VR050-A80A14676	

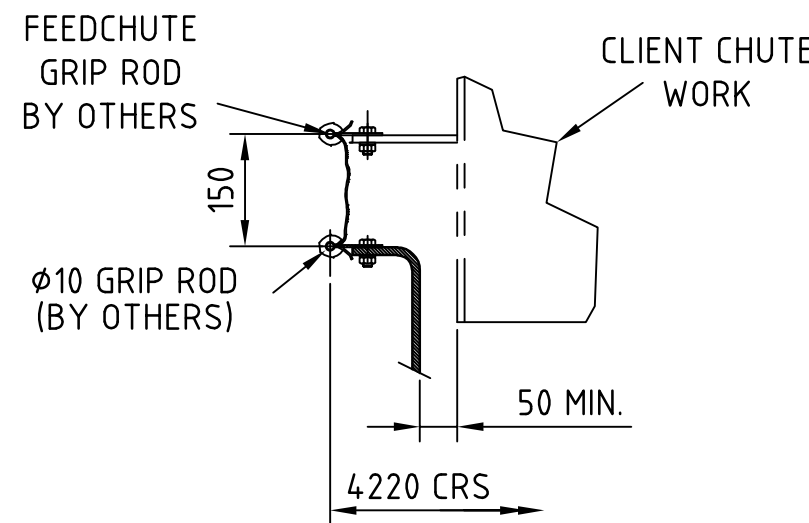
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BOLTING PLAN

NOTES:

1. FEEDER TRANSPORTED WITH VIBRATOR MOTORS MOUNTED.
2. FEEDER TRANSPORTED WITH MOTORS SET AT % FORCE OUTPUT NOMINATED IN THE LOADS TABLE. REFER TO THE EQUIPMENT MANUAL FOR START-UP INSTRUCTIONS.
3. SPREADER BAR MUST BE USED WHEN USING LIFTING LUGS PROVIDED TO LIFT FEEDER.
4. TRANSPORT BRACKETS TO BE REMOVED BEFORE OPERATING.
5. ELECTRICAL CONNECTIONS SHALL CAUSE MOTORS TO COUNTER ROTATE.
6. FEEDER SHOWN IN STATIC POSITION WITHOUT MATERIAL. ALLOW 40mm HEIGHT CHANGE DUE TO MATERIAL LOAD.
7. LOADS STATED ARE VALID ONLY FOR FEEDER MOUNTED ON RIGID STATIC SUPPORT STRUCTURE.
8. SCHENCK AUSTRALIA PTY.LTD. ACCEPTS NO LIABILITY FOR DYNAMIC INTERACTION OF THE FEEDER WITH THE SUPPORT STRUCTURE.



SECTION A-A
SCALE 1 : 10

FEEDER LOADS AT EACH SUPPORT POINT IN NEWTONS INCLUDES FACTOR OF SAFETY (10%)						
LIVE LOAD DUE TO MATERIAL		DEAD LOAD		DYNAMIC @ 1000 RPM		
VERTICAL	TRANSVERSE	VERTICAL	TRANSVERSE	VERTICAL	LONGITUDINAL	TRANSVERSE
FEED END F1 = 11845	FEED END F1 = N/A	FEED END F1 = 10461	FEED END F1 = N/A	FEED END F1 = 375	FEED END F1 = 439	FEED END F1 = 44
DISCHARGE END F2 = 7940	DISCHARGE END F2 = N/A	DISCHARGE END F2 = 4163	DISCHARGE END F2 = N/A	DISCHARGE END F2 = 359	DISCHARGE END F2 = 410	DISCHARGE END F2 = 41
DRIVE F3 = N/A	DRIVE F3 = N/A	DRIVE F3 = N/A	DRIVE F3 = N/A	DRIVE F3 = N/A	DRIVE F3 = N/A	DRIVE F3 = N/A
MAX OVERTURNING MOMENT AT F3: N/A Nm						
VIBRATOR MOTOR MODEL KEE-80-6 EXCITER MODEL N/A SETTING 70%						
X=WITH STEEL WEIGHT; 0=WITHOUT WEIGHT; P=WITH LEAD WEIGHT. OPERATING SPEED 800-1000 RPM						

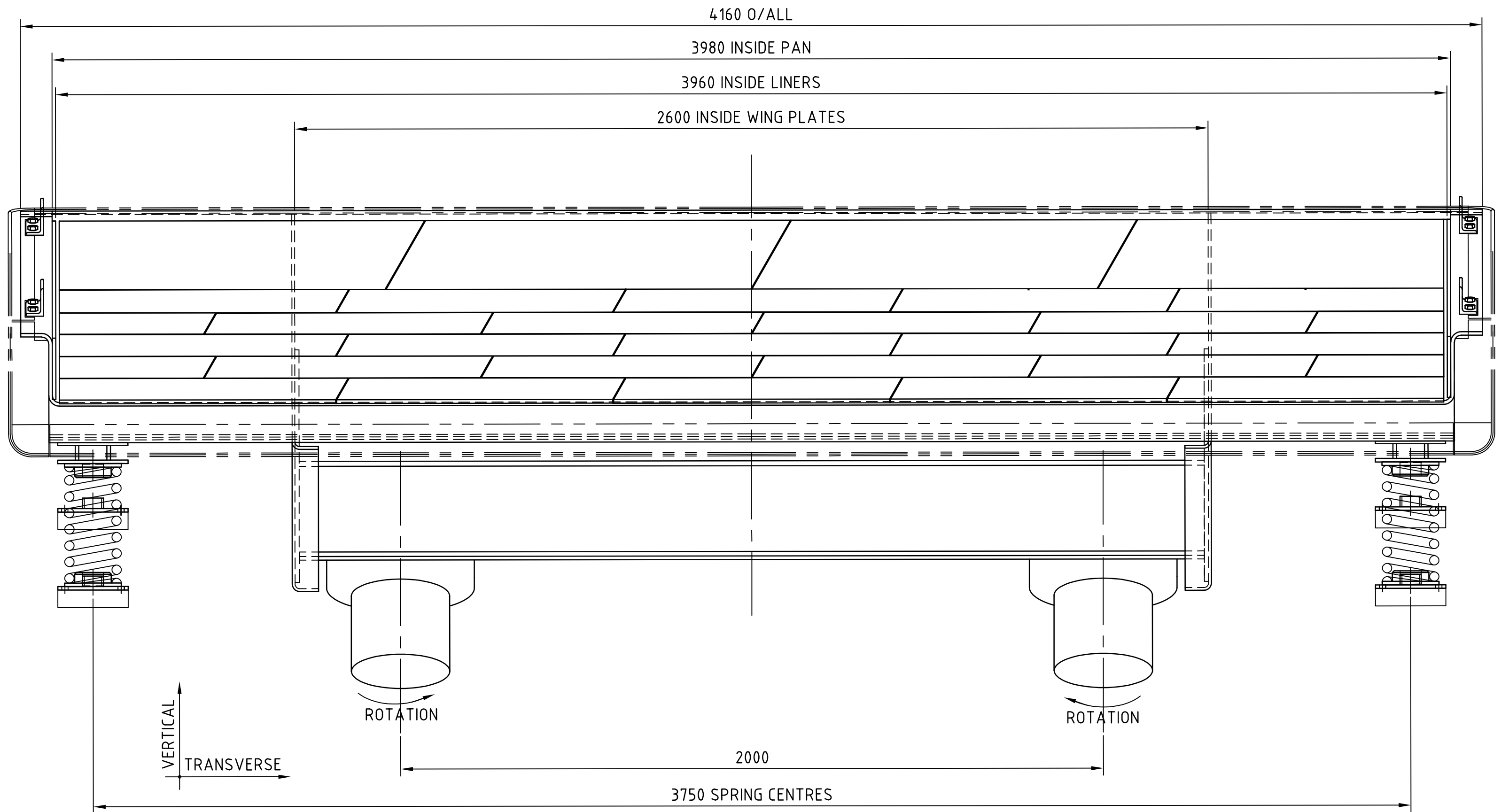
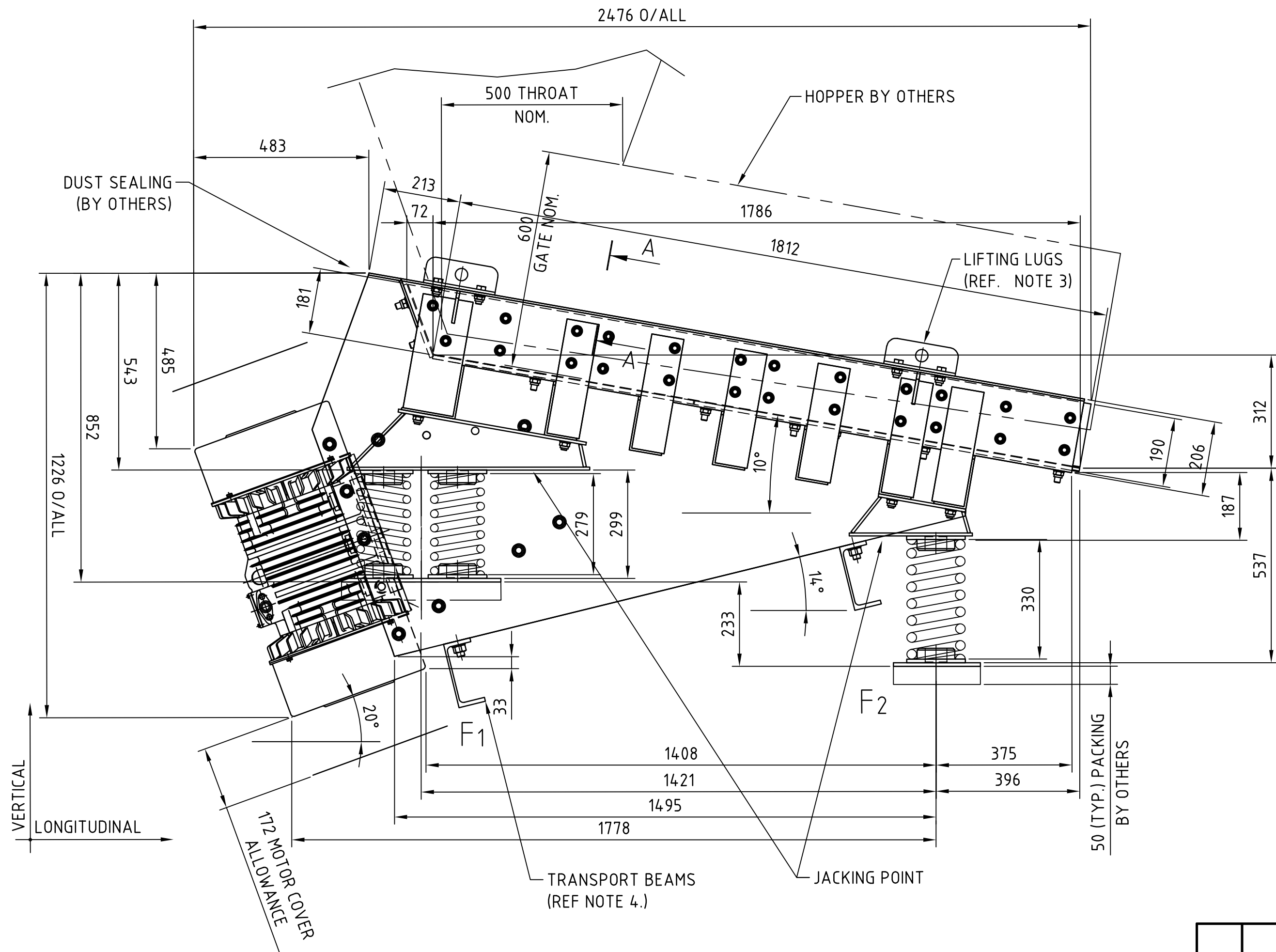
WEAR LINER DETAILS	
LINER MATERIAL	: 3CR12
PAN LINER THICKNESS	: 10 mm
SIDE LINER THICKNESS	: 10 mm
BACK PLATE LINER THICKNESS	: 10 mm

PAINT	
BODY	: T22 ORIENTAL BLUE
GUARDS	: GOLDEN YELLOW - Y14
MOTOR	: PROP. STD
ROTATING PARTS	: N/A
LIFTING POINTS	: Y14
SPRING BASE	: HOT DIP GAL
PLATES	: N/A
SPEC/SYSTEM	: SMS400/S1A
CLIENT SPEC	: N/A

VIBRATOR MOTOR	
MODEL	: KEE-80-6
POWER	: 5.5kW (EA)
VOLTAGE	: 415V
SUPPLY FREQUENCY	: 50Hz
# POLES	: 6
NOMINAL CURRENT	: 10A (EA)
STARTING CURRENT	: A (EA)
IP RATING	: IP66
BRAND	: URAS

FEEDER MAINTENANCE WEIGHTS IN KILOGRAMS WITHOUT FACTOR OF SAFETY	
EXCITER	: N/A
EXCITER GUARD	: N/A
DRIVE SHAFT	: N/A
DRIVE SHAFT GUARD	: N/A
DRIVE ASSEMBLY	: N/A
MOTOR	: N/A
VIBRATOR MOTOR	: 335 EACH
BOTTOM & BACK LINER	: 23 PER LINER
SIDE LINER	: 18 PER LINER
FEEDER ASSEMBLY	: 2981
FEEDER BODY	: 1474
SPRING	: 110D22/15(D27)EACH
ISOLATION FRAME	: N/A

FEEDER MINIMUM DEAD LOAD CLEARANCES	
VERTICAL UP	: 50
VERTICAL DOWN	: 100
LONGITUDINAL	: 75
TRANSVERSE	: 50
NOTE: 80 VERTICAL REQUIRED TO CHANGE SPRINGS WITHOUT COMPRESSING SPRINGS	



EQUIPMENT NAME.	EQUIPMENT No.	SERIAL No.	DRIVE LOC'N	CLIENT DRG No.
BN-142 DISCHARGE FEEDER	300-FE-142	V113548.A01	AS SHOWN	THI-300-3610

0		FOR CONSTRUCTION		19.07.17	RA	FD	FD
REV		REVISION		DATE	DRAWN	CHK'D	APP'D
				Schlenk Process Australia Pty Ltd www.schenkprocess.com.au ABN 91 073 312 437			
				DRAWN	DS	SCALE	
				DATE	21.06.17	1:10	
				CHECKED	GP		
				APPROVED	FD		

TITLE
SPA4018 PAN FEEDER
INSTALLATION DRAWING

SHEET SIZE A1	IF IN DOUBT ASK DO NOT SCALE
DRAWING No.	100916-040213-01
REV.	0

PLOT BY: ROBERT ADAMCEWICZ



26 "]

(2X) 660 mm [26 "]

(10X) Ø32mm [1.25 "]
ANCHOR BOLT HOLES

489 mm [19.25 "]

891 mm [35.08 "]

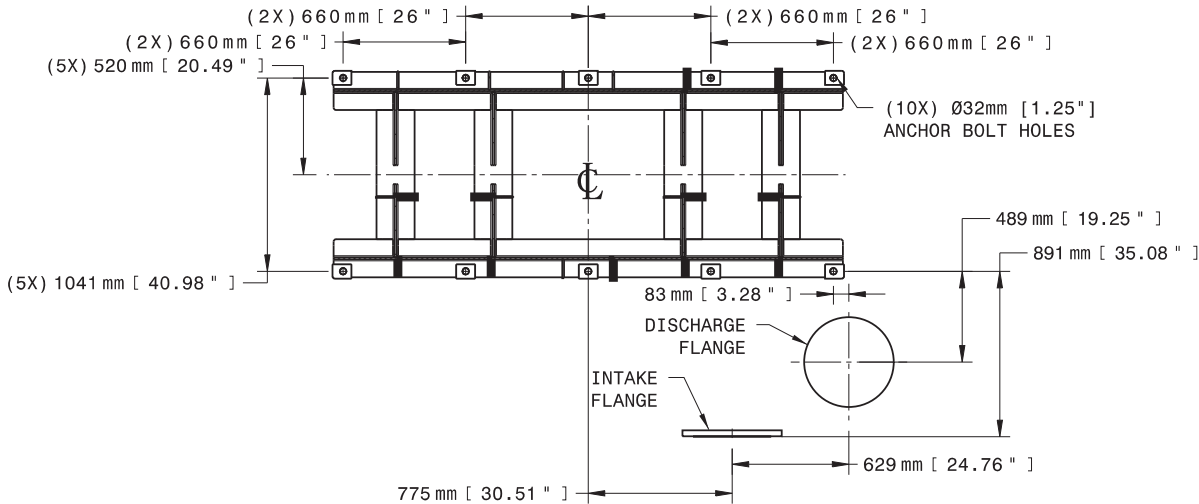
83 mm [3.28 "]

DISCHARGE FLANGE

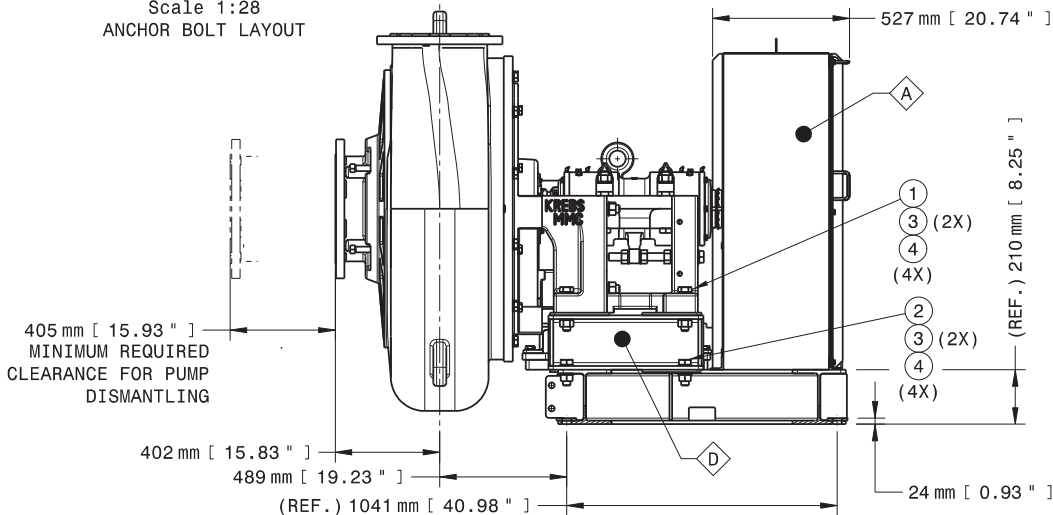
INTAKE FLANGE

775 mm [30.51 "]

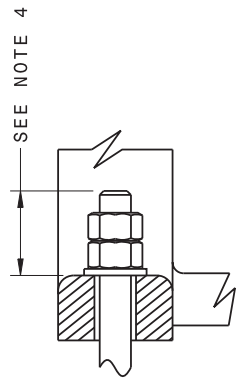
629 mm [24.76 "]



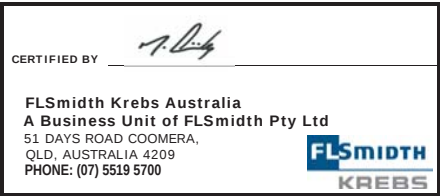
Scale 1:28
ANCHOR BOLT LAYOUT



Side view



Anchor Bolt Detail



1	THIESS COAL PRE-TREATMENT PLANT
	EQUIPMENT NUMBER: 300-PP-141
	JG WATER PUMP
	DRAWING NUMBER: THI-300-3628

TOLERANCE SCHEDULE UNLESS OTHERWISE SPECIFIED		
-24"±1/4"	+24" thru 100"±1/2"	+100"±1"
[-600mm = ±6mm]	[+600mm thru 2500mm = ±12mm]	[+2500mm = ±25mm]

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NO.	DATE	REVISION DESCRIPTION				ZONE
				5505 WEST GILLETTE ROAD TUCSON, AZ 85743 www.krebs.com		
REVISION						
Rev. By:						
SAY						
Approval Date:	Scale:	Don. By:	Date Drawn:	Orig. Apprd. By:	Sheet:	
07/05/2017	---	KAG	06/21/17	JM DR	1 OF 1	
Approved By:		FABRICATION ARRANGEMENT: millMAX 14X12-36 ON A MMC FRAME WITH drIMAX MECH. SEAL (NO QUENCH) ANSI FLANGES ON A MMC FRAME AND LEFT SIDE POSITIONED 75KW D280MC TECO MOTOR				
						
C	© FLSmidth KREBS 2017	DWG NO.	PG350-C45A14674			

(O/A) 3024 mm [119.04 "]

(O/A) 1979 mm [77.91 "]

⌀ 629 mm [24.76 "]

Top view

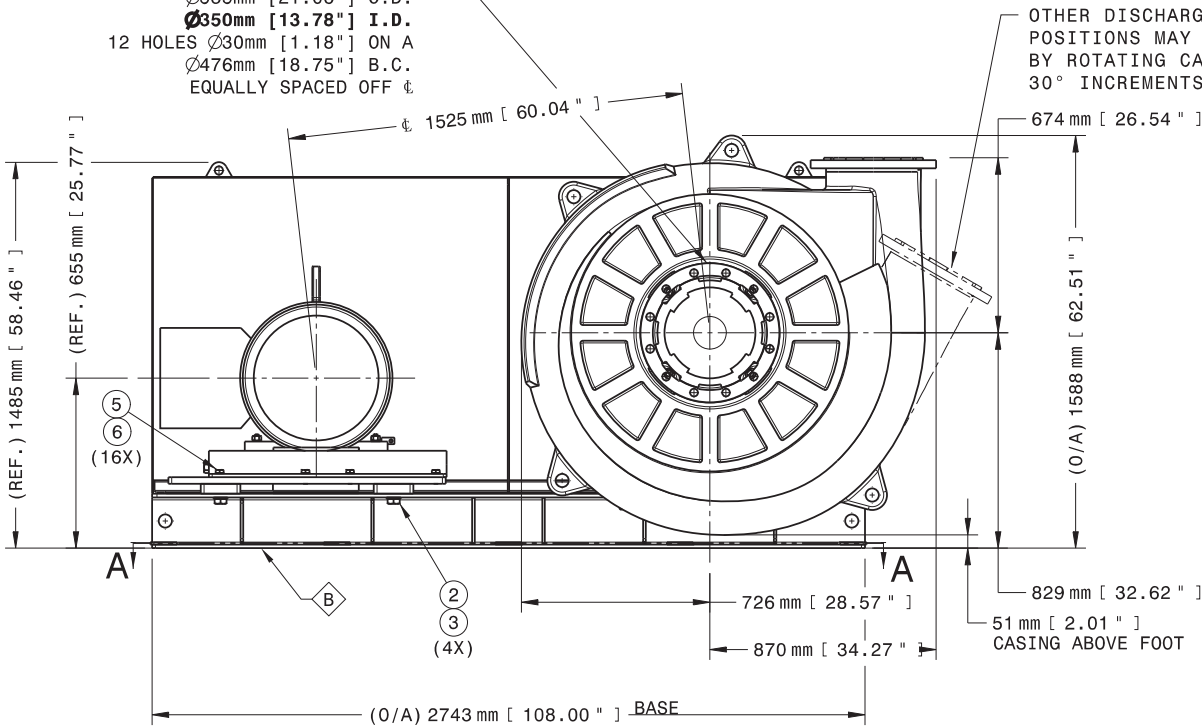
7
8 (2X)
9 (8X)

C

12" [300mm] 150# ANSI
STYLE DISCHARGE FLANGE
Ø483mm [19.02"] O.D.
Ø305mm [12.01"] I.D.
12 HOLES Ø26mm [1.02"] ON A
Ø432mm [17.00"] B.C.
EQUALLY SPACED OFF ⌀

14" [350mm] 150# ANSI
STYLE INTAKE FLANGE
Ø535mm [21.06"] O.D.
Ø350mm [13.78"] I.D.
12 HOLES Ø30mm [1.18"] ON A
Ø476mm [18.75"] B.C.
EQUALLY SPACED OFF 0°

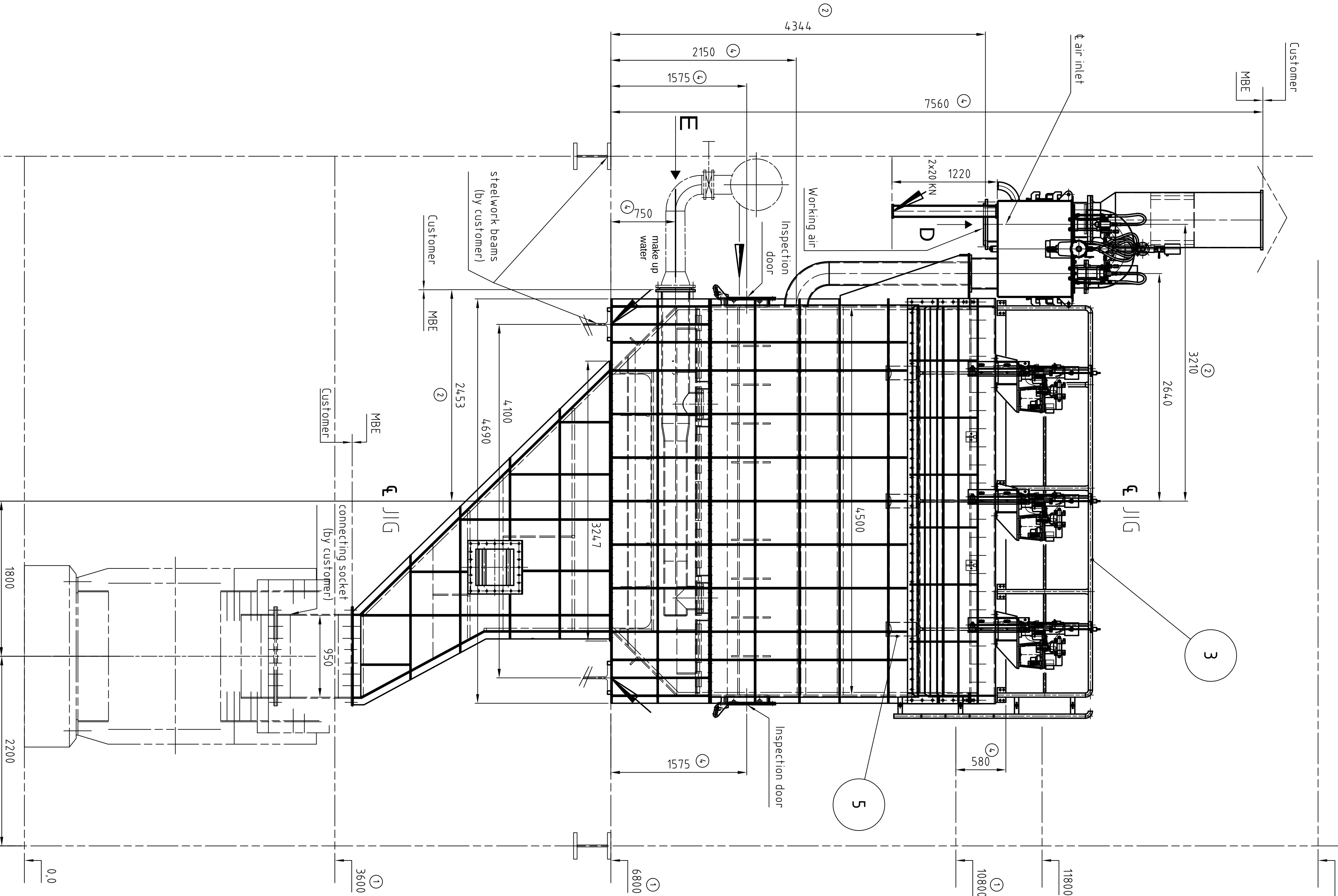
OTHER DISCHARGE
POSITIONS MAY BE USED
BY ROTATING CASING IN
30° INCREMENTS



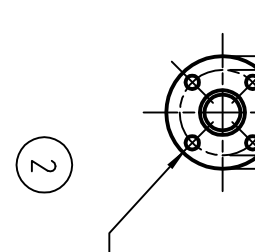
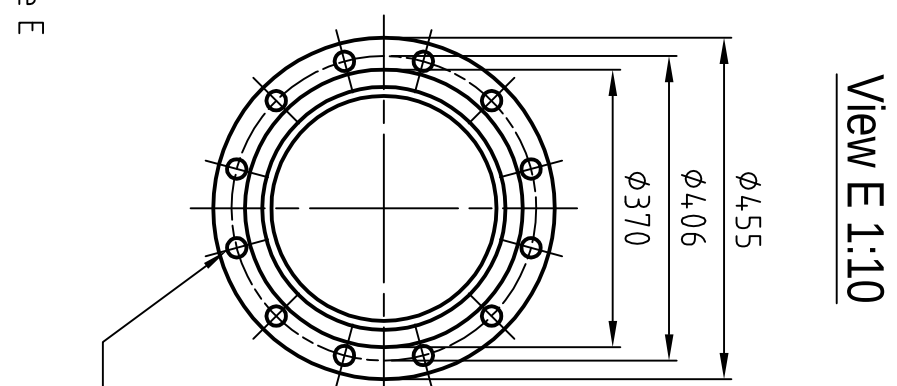
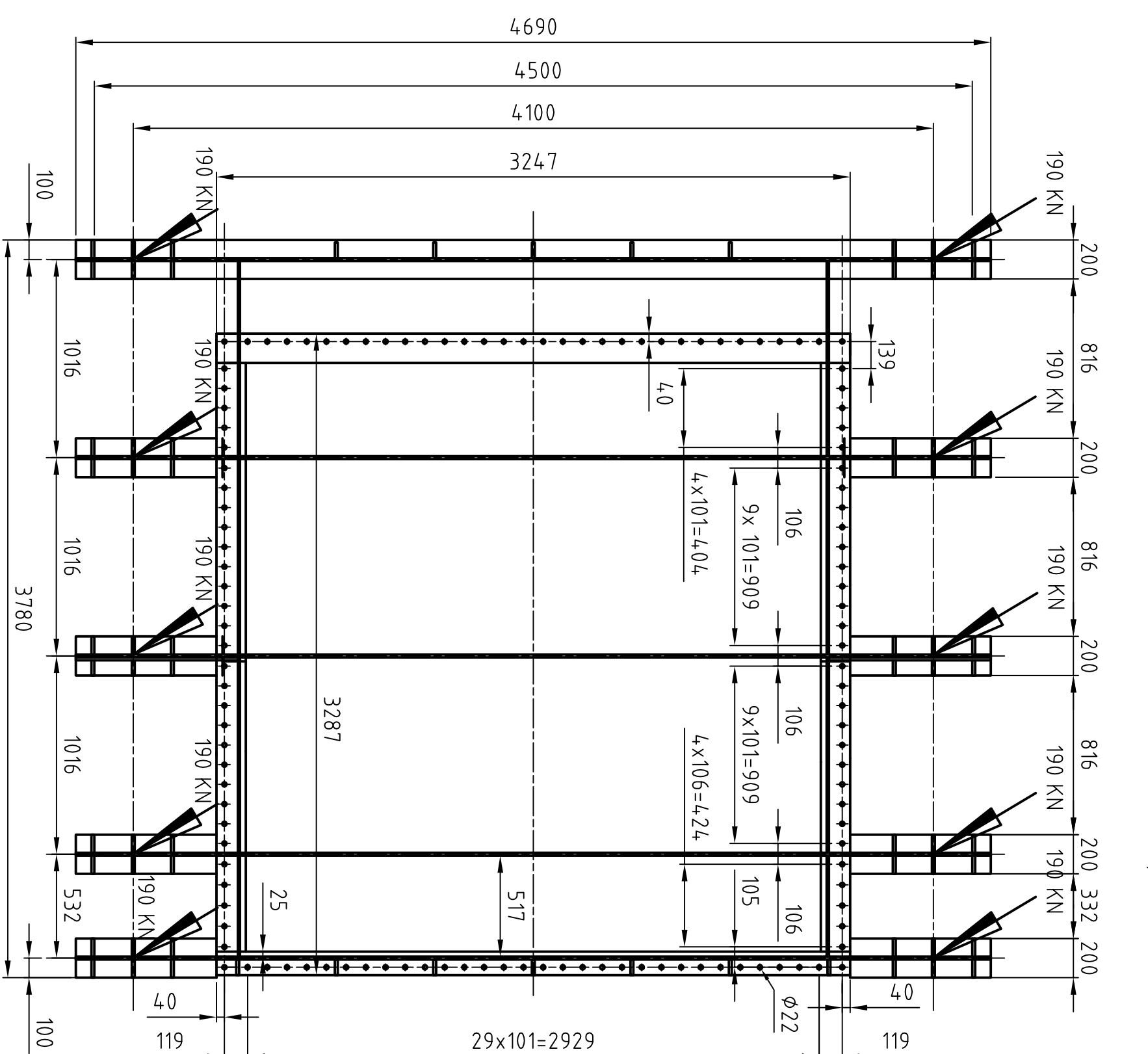
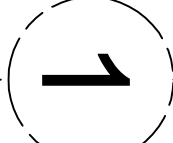
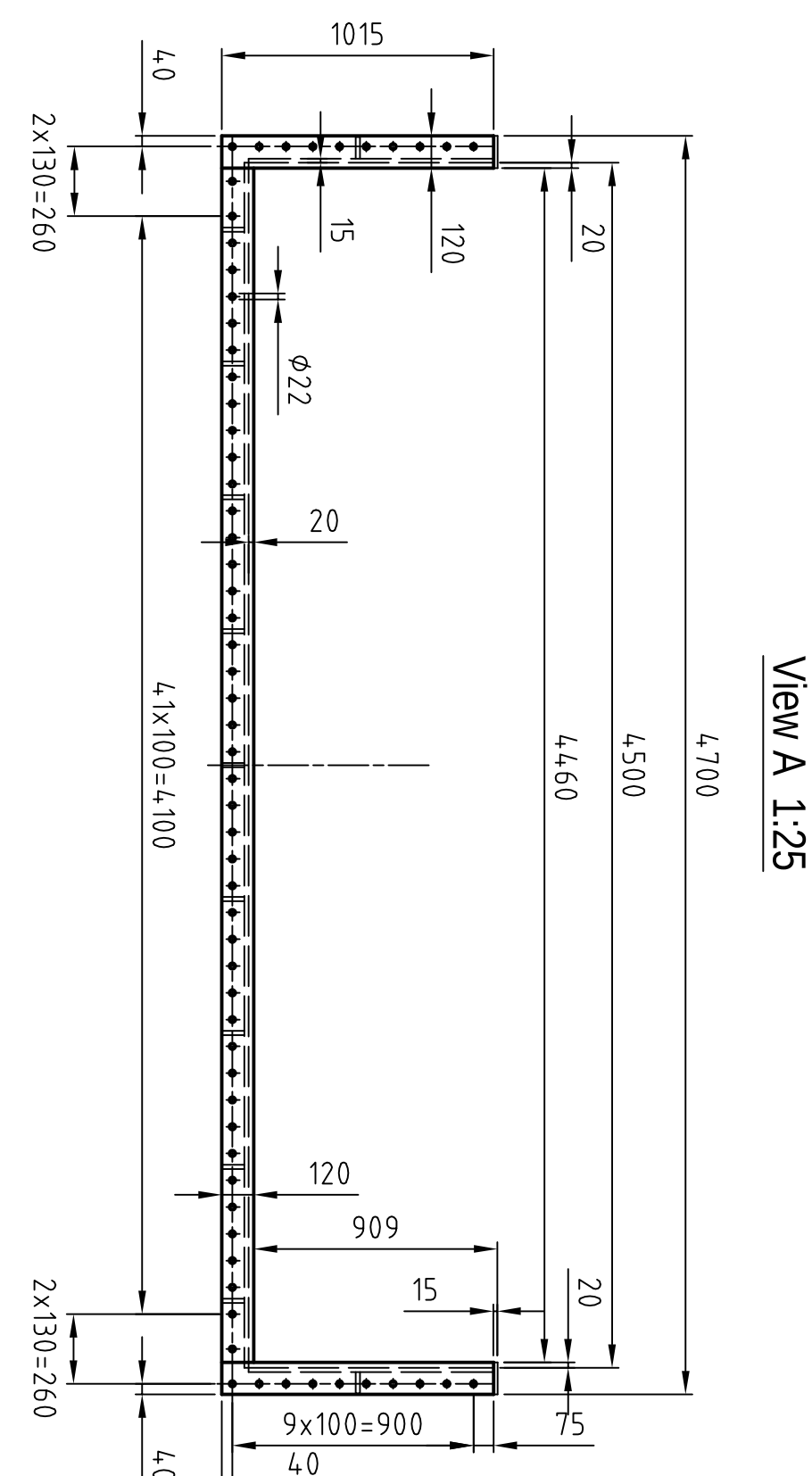
Front view

NOTES:

1. USE PARTS LIST PA350-C45C00001-49.
2. PIPE CONNECTIONS MUST BE MADE WITHOUT STRESS OR STRAIN.
3. ANCHOR BOLTS M30 [1-1/8"] DIA. MIN.
4. RECOMMENDED ANCHOR BOLT PROJECTION SHALL ACCOMMODATE A MINIMUM HEIGHT OF (2) THREADS PLUS FULLY ENGAGED/TIGHTENED HEAVY HEX NUT(S)



10	Silencer
9	Jigging air control system
8	Pneumatic disc valve control
7	Discharge device
6	Hydraulic system
5	Float system
4	Jig deck
3	Walkway
2	Collecting hopper
1	Jig hutch
item	description



602

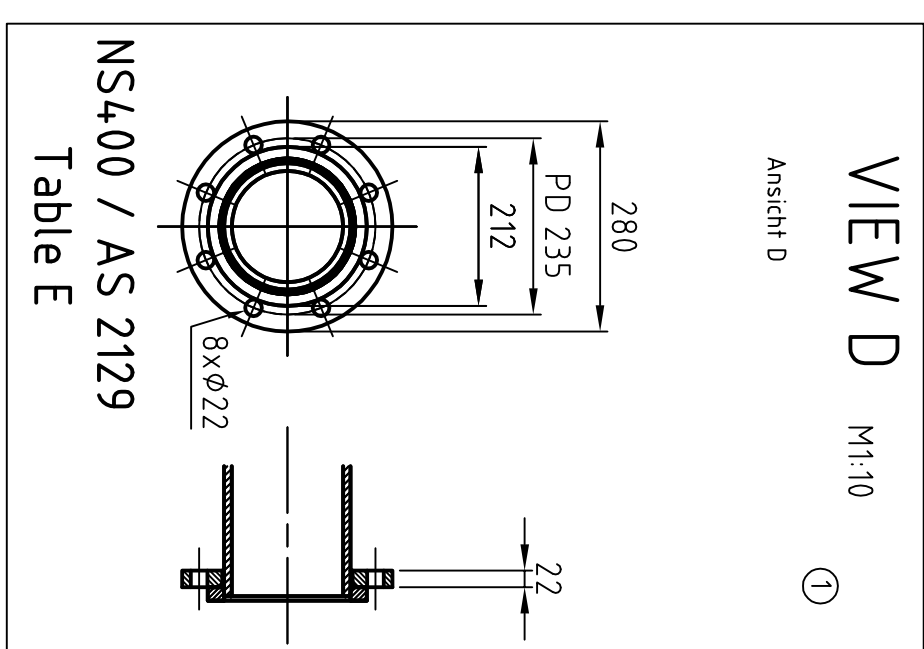
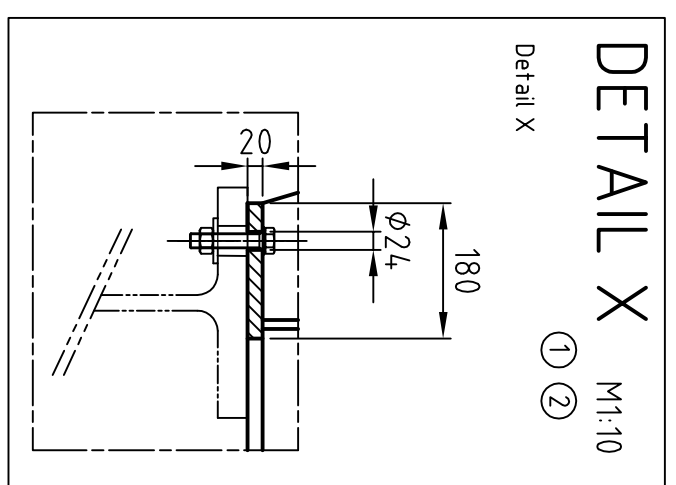
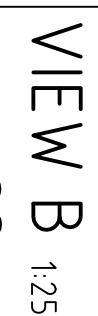
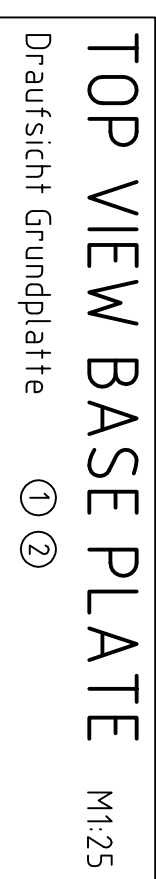
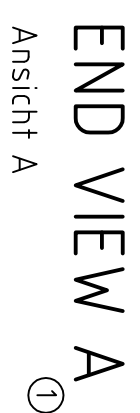
Batac-Zeitmaschine Größkraft, Kohle
Aufstellungsplan

M.03.0239.1.002

1st angle projection

 Möbe & Mehrmann Technology Group	Geprüft / checked Prüfung / Prüfung 21.10.15 Bearbeitung / NOTE SAP 10070650
	Big Pipe Barak Coarse Grain, Coal 153A-LH Lowly Drawing Bilder-Skizzen/Zeichnung / Note Aufstellungsplan
Project: Big Pipe Barak Coarse Grain Project in Planning / CONSTRUCTION	M3 02351 / 102
DATE OF DRAWING DATE OF REVISION	DATE OF DRAWING DATE OF REVISION
1 1	1 1

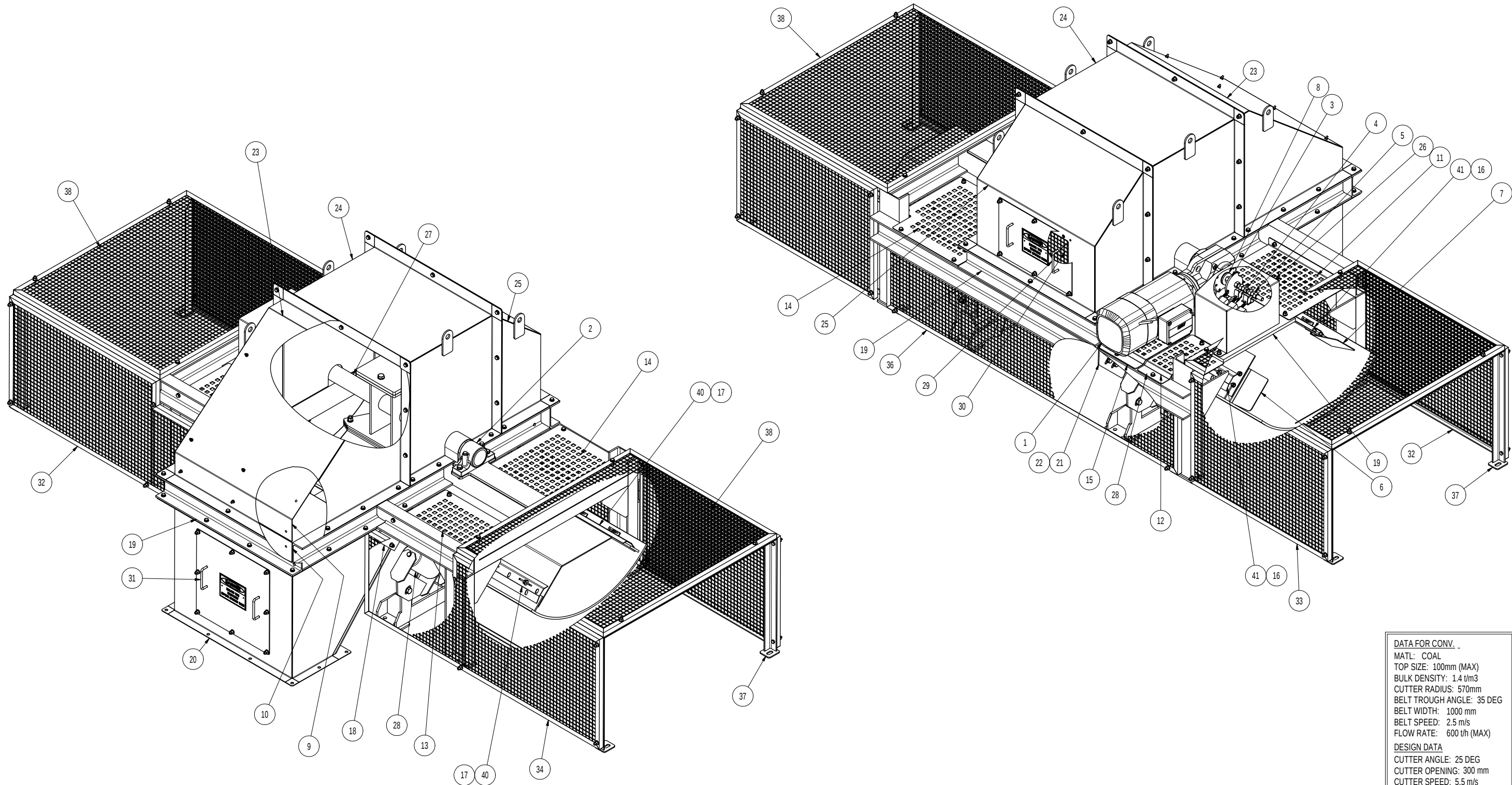
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Equipment No. CV-144
REJECT BUCKET ELEVATOR
Client Drg. No. TH1-300-3603

→ Änderungen nur über CAD !

Bucket Elevator Reject



DATA FOR CONV. _
MATL: COAL
TOP SIZE: 100mm (MAX)
BULK DENSITY: 1.4 t/m³
CUTTER RADIUS: 570mm
BELT TROUGH ANGLE: 35 DEG
BELT WIDTH: 1000 mm
BELT SPEED: 2.5 m/s
FLOW RATE: 600 t/h (MAX)
DESIGN DATA
CUTTER ANGLE: 25 DEG
CUTTER OPENING: 300 mm
CUTTER SPEED: 5.5 m/s

1558-CBP10R-000
(SCALE - 1:15)

MAKE 2 OFF

7	1	1558-CBP10R-000-P02	DEFLECTOR PLATE - RH	S.S.	18	4	1558-CBP10R-000-R03	BELT SEAL	UHMWPE	29	1	1558-CBP10R-400	REAR COVER INSPECTION DOOR	S.S.					TOTAL ESTIMATED MASS		1400 kg
6	1	1558-CBP10R-000-P01	DEFLECTOR PLATE - LH	S.S.	17	2	1558-CBP10R-000-R02	OUTLET SKIRT RUBBER	Rubber	28	2	1558-CBP10-310	IDLER ASSEMBLY	M.S.	41	2	SCPL-680	SKIRT CLAMP PLATE	SS-316 (2B)		
5	2	LSSTRK-20	LIMIT SWITCH STRIKER - M20		16	2	1558-CBP10R-000-R01	INLET SKIRT RUBBER	Rubber	27	1	1558-CBP10R-200	CUTTER & SHAFT ASSEMBLY		40	4	SCPL-490	SKIRT CLAMP PLATE - 490 LG	SS-316 (2B)		
4	3	LIMIT SWITCH 802T-AP-W2B	ALLEN BRADLEY LIMIT SWITCH C/W ROLLER ARM LEVER		15	1	1558-CBP10R-000-P10	INFILL PLATE -E	AS 3678-250 (GAL)	26	1	1558-CBP10R-170	LIMIT SWITCH COVER	S.S.	38	2	1558-CBP10R-570	TOP GUARD			
					14	1	1558-CBP10R-000-P09	INFILL PLATE -D	AS 3678-250 (GAL)	25	1	1558-CBP10R-160	REAR TOP COVER	S.S.	37	2	1558-CBP10R-560	GUARD SUPPORT FRAME			
3	1	OBCAM-M20	OVER BELT CAM	S.S.	13	1	1558-CBP10R-000-P08	INFILL PLATE -C	AS 3678-250 (GAL)	24	1	1558-CBP10R-150	MID TOP COVER	S.S.	36	1	1558-CBP10R-550	REAR GUARD (MID)	M.S.		
2	1	SSN511-LAB-CL	SSN511 Ø50 LABYRINTH PLUMMER BLOCK-CLOSED		12	1	1558-CBP10R-000-P07	INFILL PLATE -B	AS 3678-250 (GAL)	23	1	1558-CBP10R-140	FRONT TOP COVER	S.S.	34	1	1558-CBP10R-530	OUTLET GUARD - DISCHARGE	M.S.		
					11	1	1558-CBP10R-000-P06	INFILL PLATE -A	AS 3678-250 (GAL)	22	1	1558-CBP10R-130-R01	RUBBER APRON	RUBBER	33	2	1558-CBP10R-520	REAR END GUARD	M.S.		
1	1	KA77DRN132M4/BE11/HR	SEW GEARMOTOR 7.5kW. 93 RPM, SHAFT 'A', M1 MOUNT, TBOX 180/X, BE11 HR + EXT.		10	1	1558-CBP10R-000-P05	DISCHARGE IMPACT PLATE (LOWER)	S.S.	21	1	1558-CBP10R-130	APRON SUPPORT	M.S.	32	1	1558-CBP10R-510	INLET GUARD - DISCHARGE	M.S.		
					9	1	1558-CBP10R-000-P04	DISCHARGE IMPACT PLATE (UPPER)	S.S.	20	1	1558-CBP10R-120	DISCHARGE CHUTE	S.S.	31	1	1558-CBP10R-430	CHUTE INSPECTION DOOR	S.S.		
					8	1	1558-CBP10R-000-P03	MOTOR WASHER	S.S.	19	1	1558-CBP10R-110	SAMPLER FRAME	M.S.	30	1	1558-CBP10R-405	REAR COVER MESH GUARD	S.S.		
ITEM	QTY	PART NUMBER	TITLE	MATERIAL	ITEM	QTY	PART NUMBER	TITLE	MATERIAL	ITEM	QTY	PART NUMBER	TITLE	MATERIAL	ITEM	QTY	PART NUMBER	TITLE	MATERIAL		

PARTS LIST - QUANTITY IS FOR 1 OFF ASSEMBLY

PARTS LIST - QUANTITY IS FOR 1 OFF ASSEMBLY

PARTS LIST - QUANTITY IS FOR 1 OFF ASSEMBLY

PARTS LIST - QUANTITY IS FOR 1 OFF ASSEMBLY

ISSUED AS BUILT				DO NOT SCALE ASK IF IN DOUBT			
1	AS BUILT	12/05/17	TLE		PS		
0	ISSUED FOR FABRICATION	27/02/17	TLE		PS		
A	ISSUED FOR CLIENT APPROVAL	23/02/17	TLE		PS		
REV	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED		

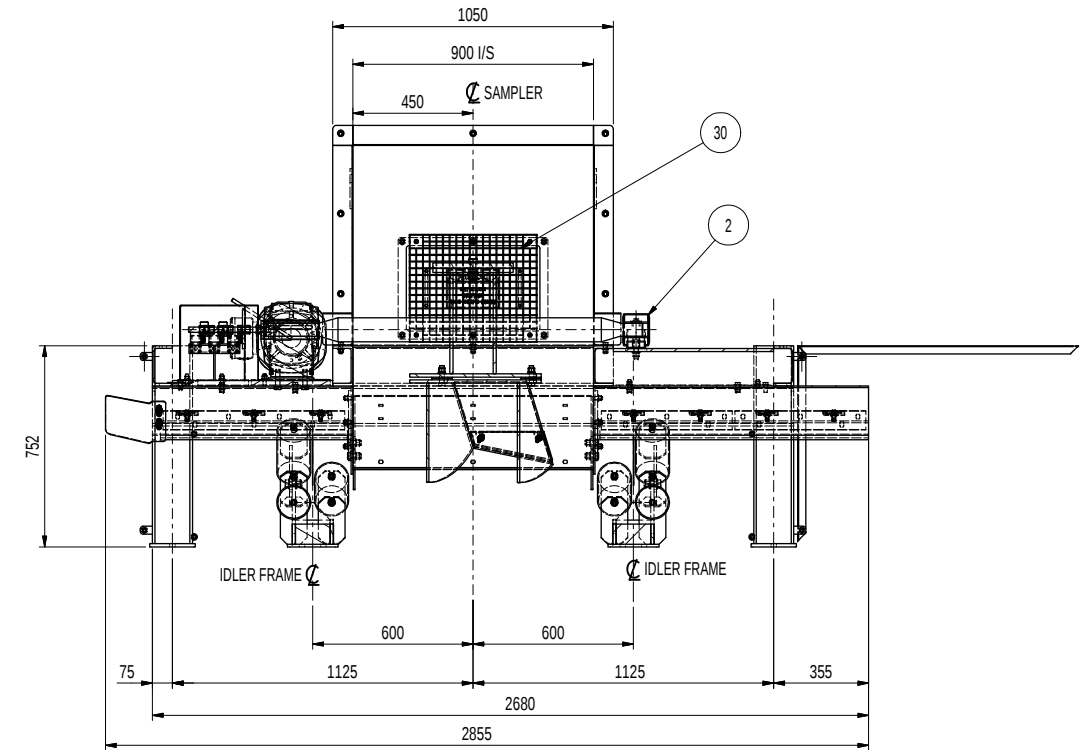
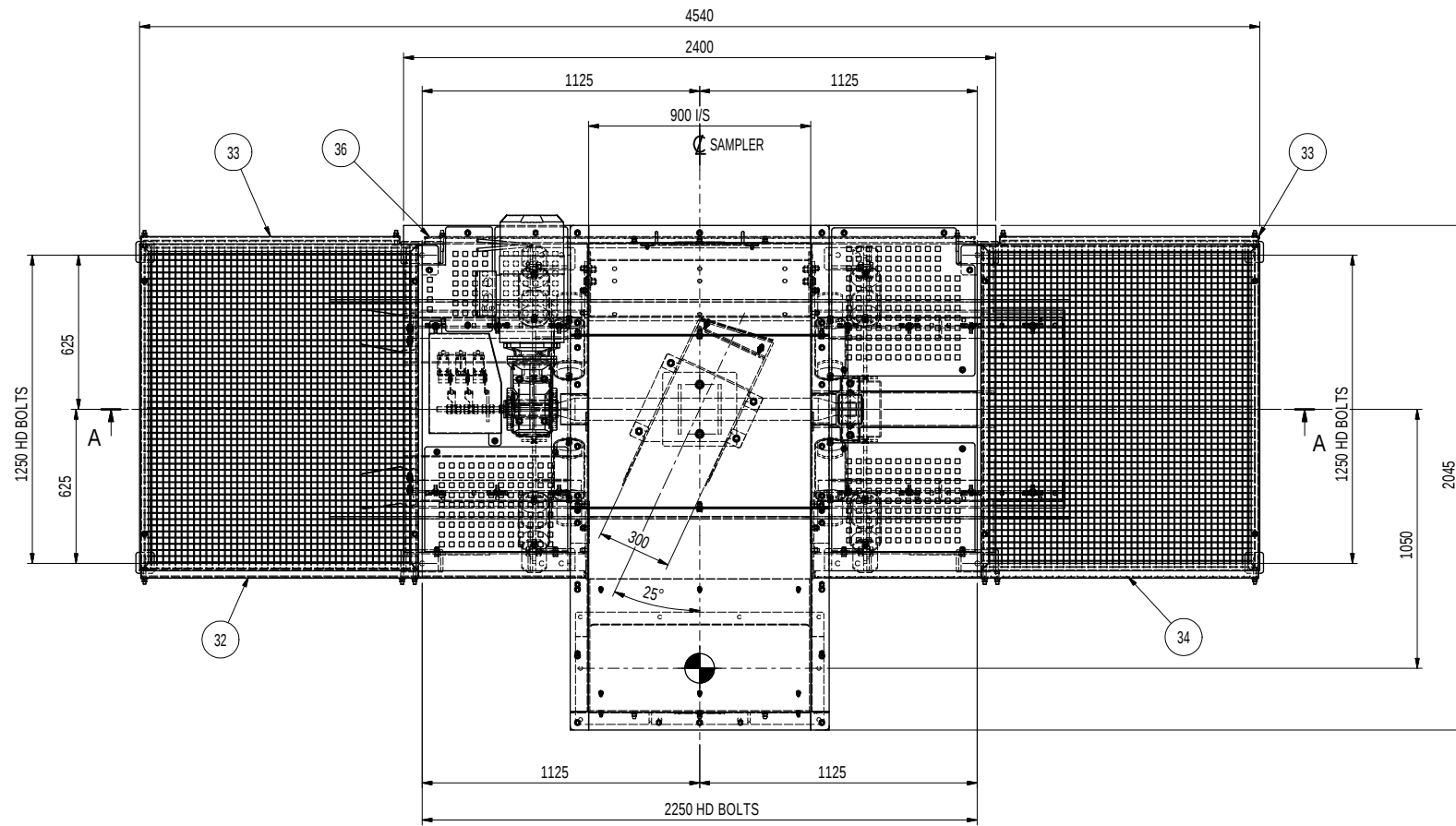
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CHECKED	PS		22/02/17
APPROVED	PS		22/02/17
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SHEET SIZE	A2		

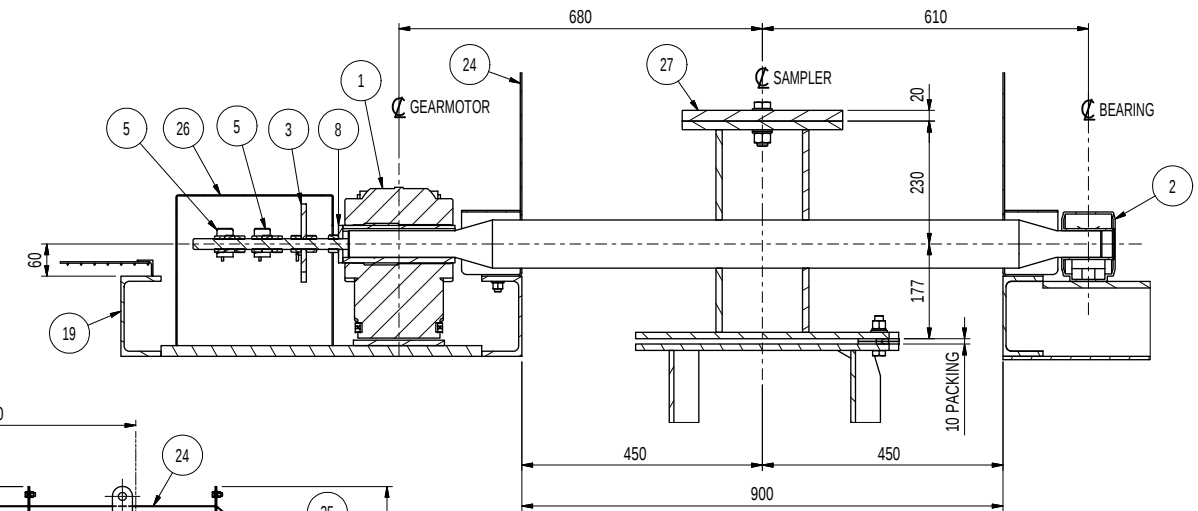
QUALITY HANDLING SYSTEMS PTY. LTD.	
A.B.N. 68 058 807 766	
6 METERS PLACE, WETTERILL PARK	
N.S.W. 2154 AUSTRALIA	
TEL: (02) 9756 1821 FAX: (02) 9756 4212	
Email: qhs@qhs.com.au www.qhs.com.au	



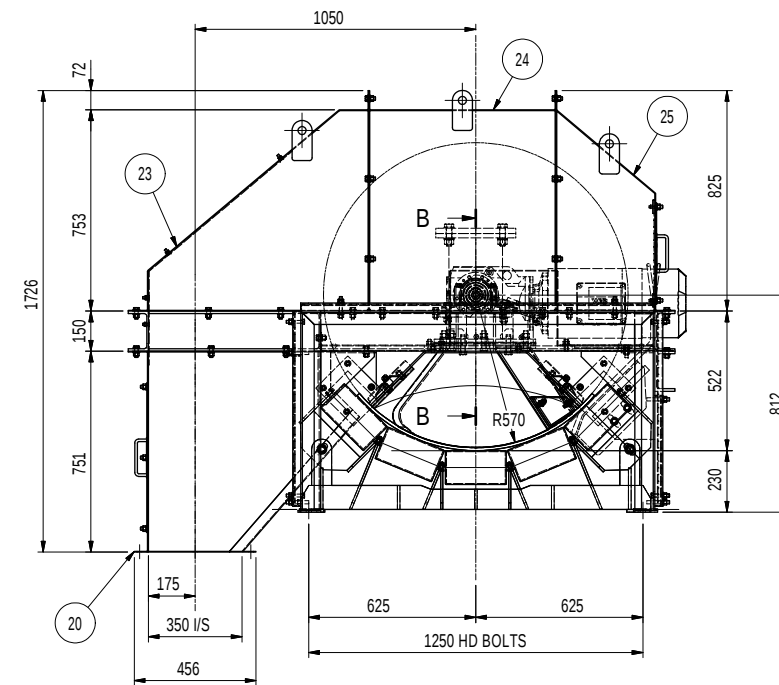
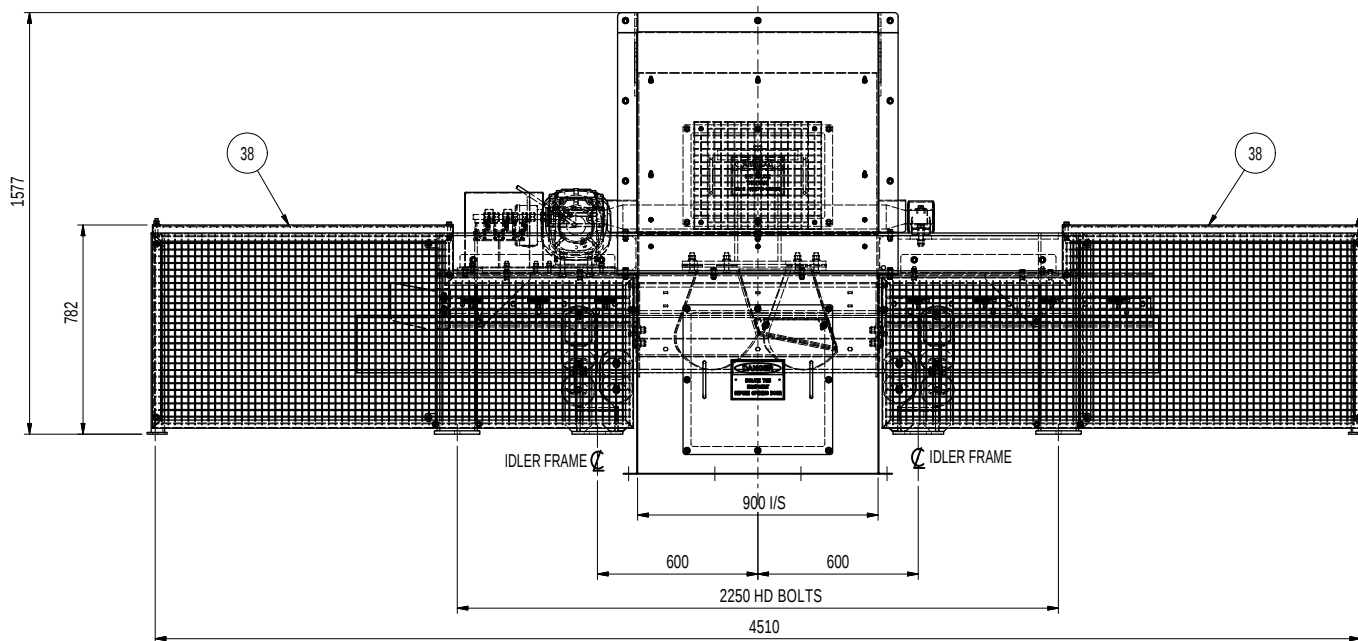
CROSS BELT PRIMARY SAMPLER	
GENERAL ARRANGEMENT - SHEET 1 OF 2	
PART NUMBER	1558-C1100
REV	1



SECTION: A-A
GUARDS OMITTED FOR CLARITY
(1:20)



SECTION: B-B
(1:10)



1558-CBP10R-000
(SCALE - 1:20)

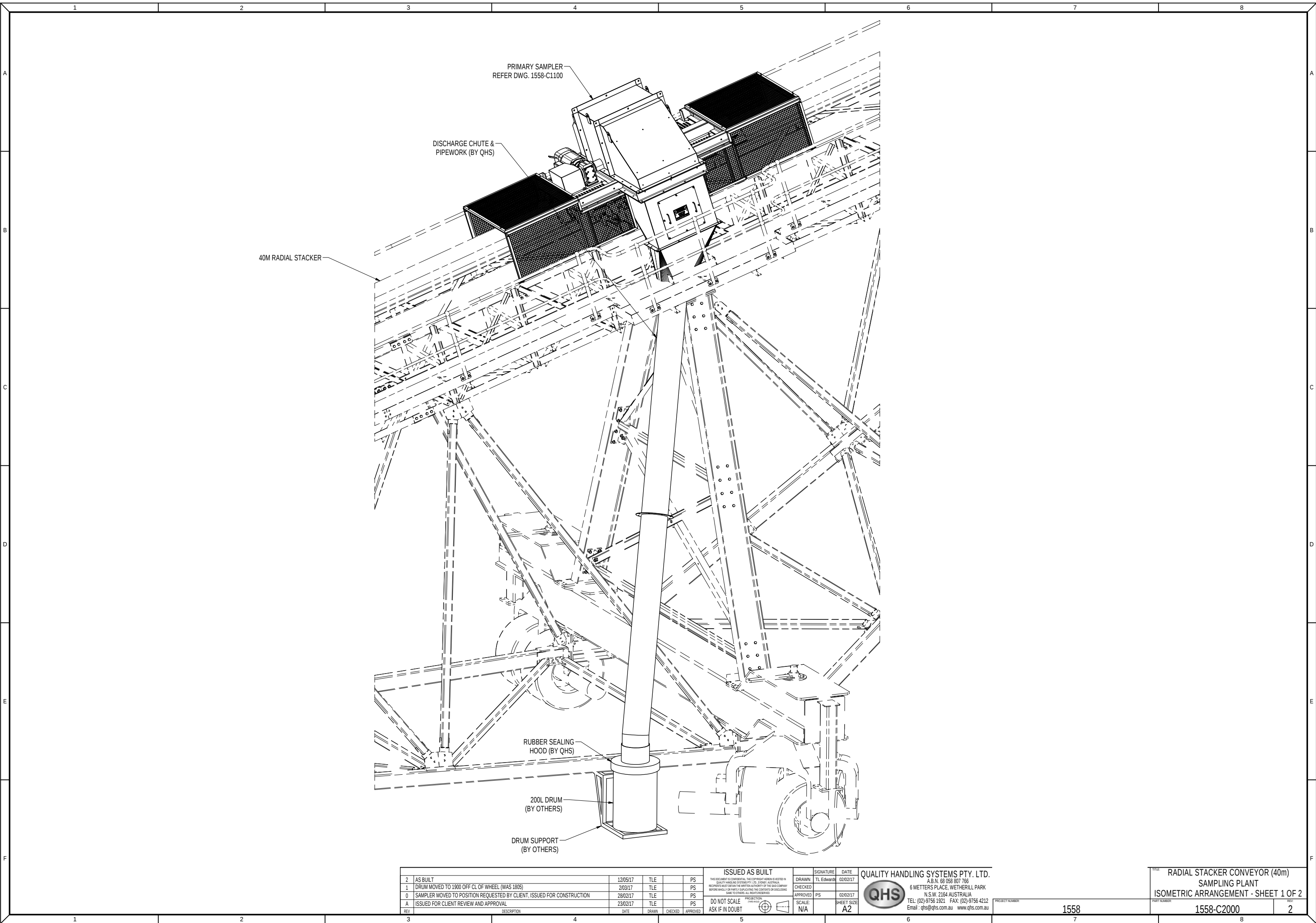
REFER SHEET 1 FOR ITEM LIST

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0	ISSUED FOR FABRICATION	27/02/17	TLE	PS	CHECKED	PS	22/02/17	APPROVED	DATE
A	ISSUED FOR CLIENT APPROVAL	23/02/17	TLE	PS	APPROVED	PS	22/02/17	SCALE	SHEET SIZE
REV	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED	N/A	A2	1558	1

DO NOT SCALE
ASK IF IN DOUBT



CROSS BELT PRIMARY SAMPLER		
GENERAL ARRANGEMENT - SHEET 2 OF 2		
1558-C1101	1	



2	AS BUILT	12/05/17	TLE		PS
1	DRUM MOVED TO 1900 OFF CL OF WHEEL (WAS 1805)	2/03/17	TLE		PS
0	SAMPLER MOVED TO POSITION REQUESTED BY CLIENT, ISSUED FOR CONSTRUCTION	28/02/17	TLE		PS
A	ISSUED FOR CLIENT REVIEW AND APPROVAL	23/02/17	TLE		PS
REV	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED

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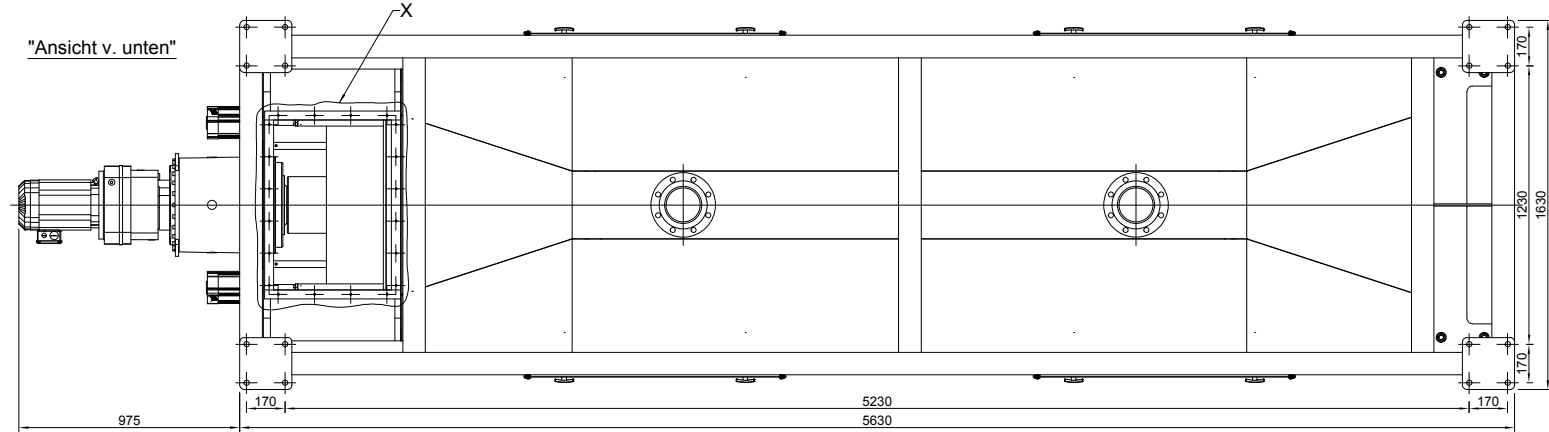
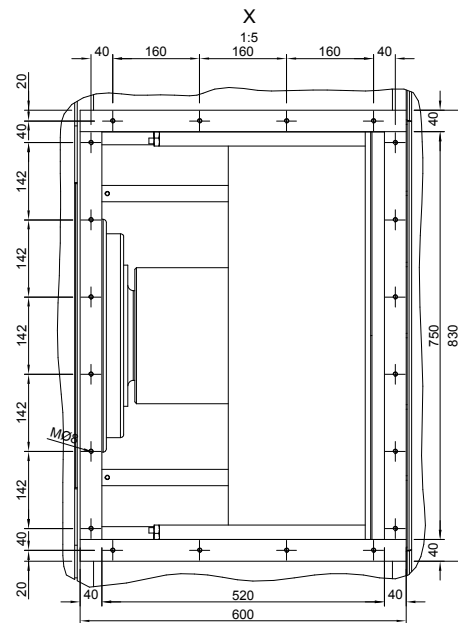
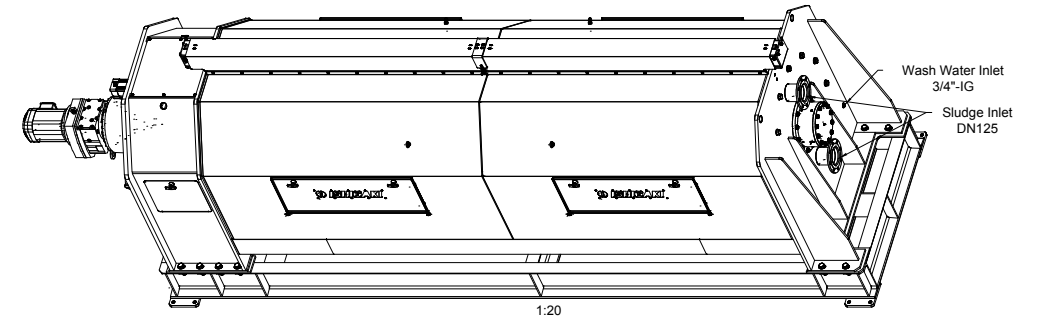
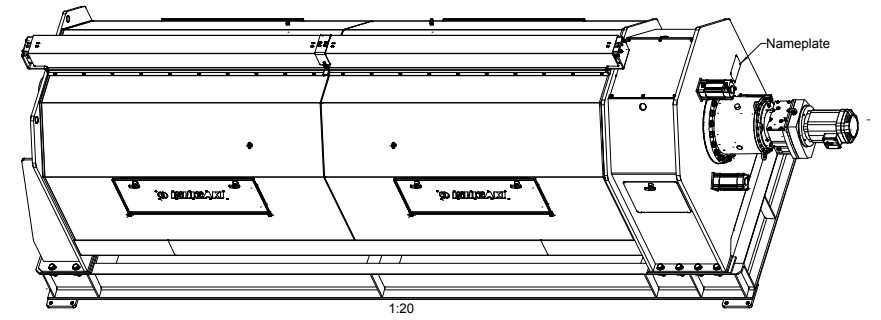
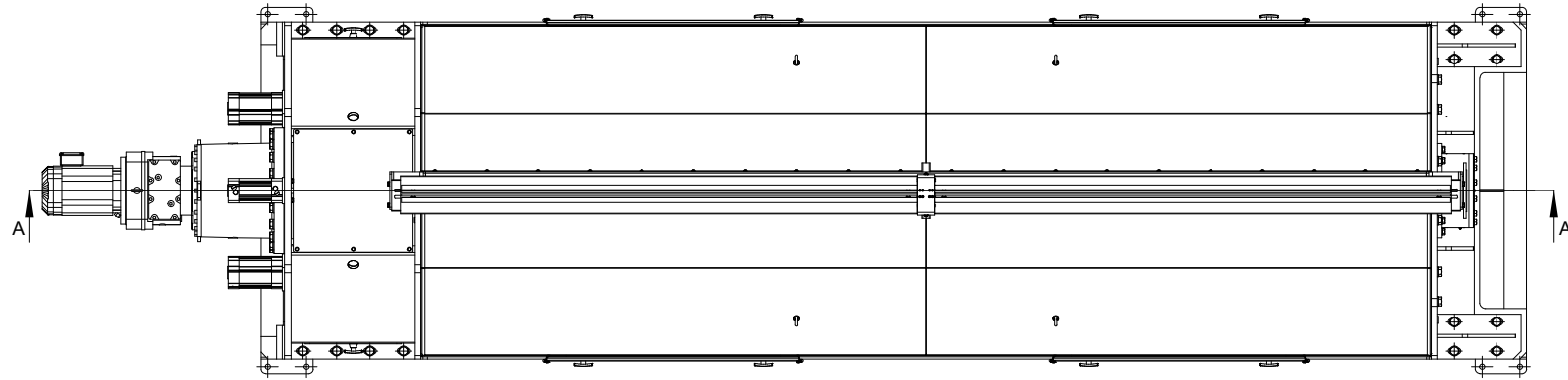
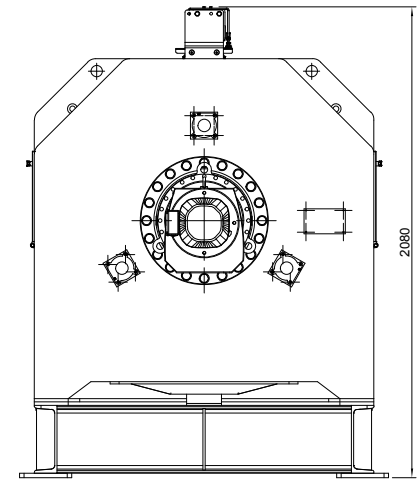
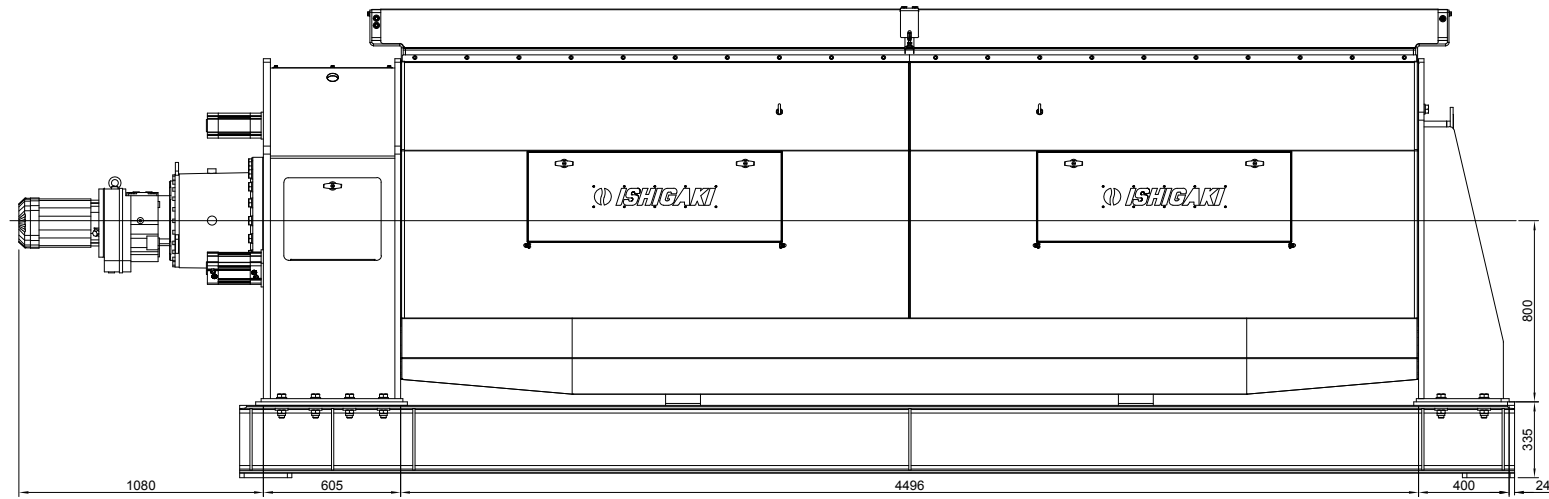
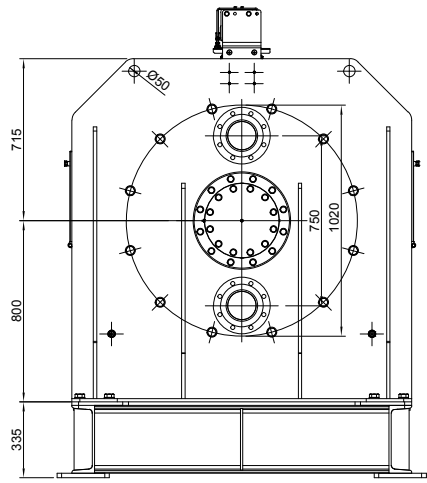
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CHECKED	
APPROVED PS	02/02/17
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QUALITY HANDLING SYSTEMS PTY. LTD.

A.B.N. 68 058 807 766
6 METTERS PLACE, WETHERILL PARK
N.S.W. 2154 AUSTRALIA
TEL: (02)-9756 1921 FAX: (02)-9756 4212
Email : qhs@qhs.com.au www.qhs.com.au

PROJECT NUMBER	1558
----------------	------

TITLE	RADIAL STACKER CONVEYOR (40m)
	SAMPLING PLANT
	ISOMETRIC ARRANGEMENT - SHEET 1 OF 2
PART NUMBER	1558-C2000
TOTAL	2



Dry weight: 6700kg
Wet weight: 9000kg
Capacity: 1000kg DS/hr

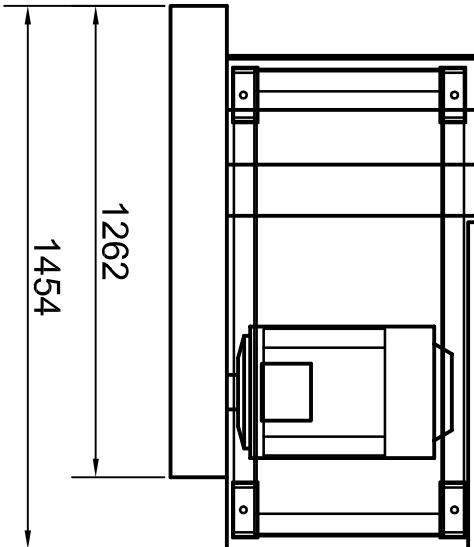
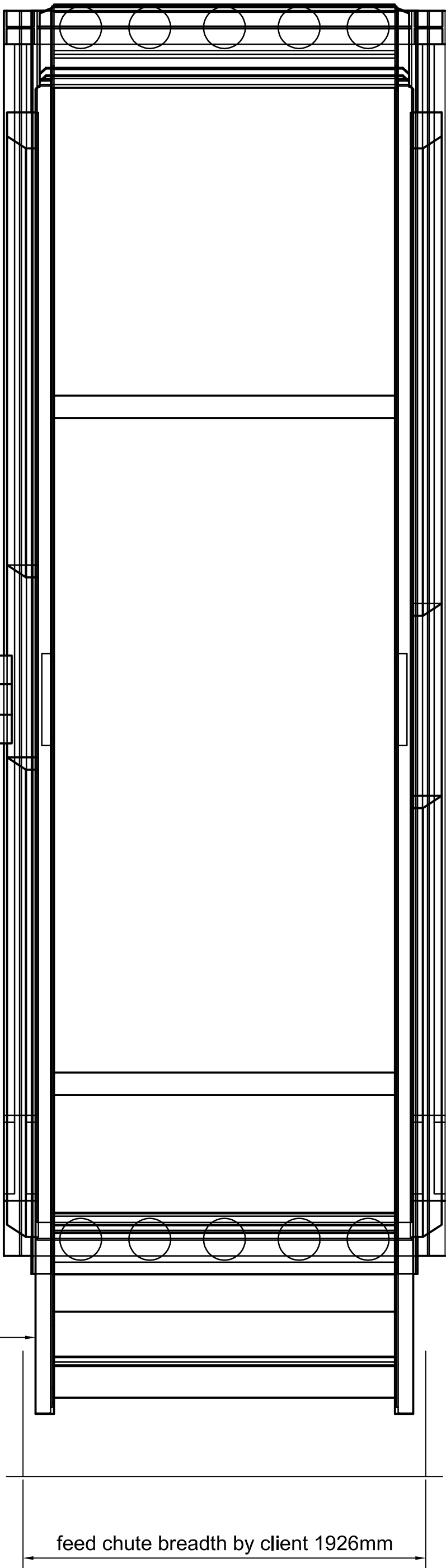
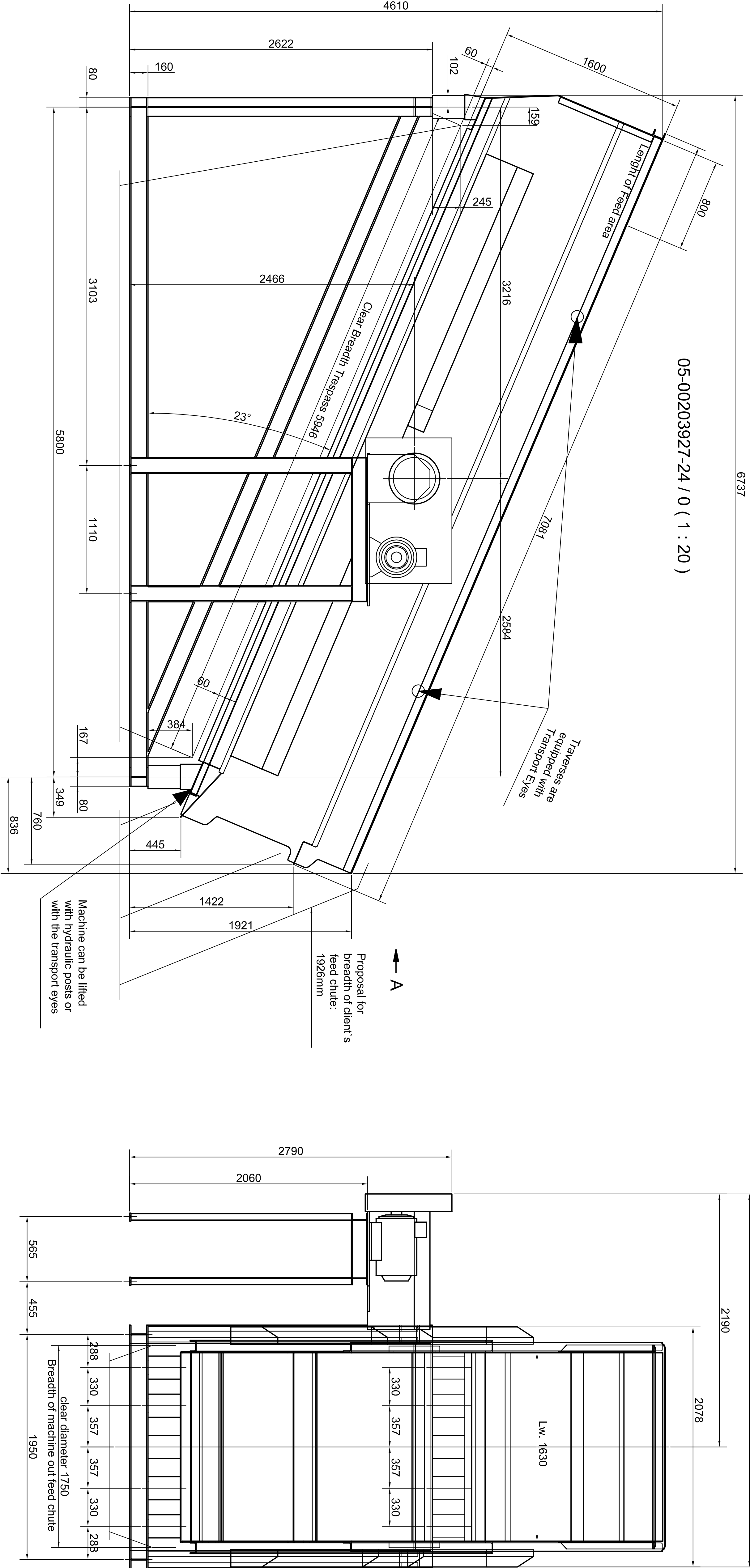
0	Preliminary; for quotation	J.R.	30/03/16
REVISION	DESCRIPTION		DATE
© Copyright Ishigaki Oceania Pty Ltd			
DATE:	30/03/16	30/03/16	30/03/16
BY:	J.R.	B.H.	D.N.
	DRAWN	CHECKED	APPROVED
CUSTOMER:	ISHIGAKI OCEANIA PTY LTD		
TITLE:	ISHIGAKI OCEANIA SCREW PRESS SP HF 10 GENERAL ARRANGEMENT		
SCALE @ A3:	N.A.	PROJECT NO.	
		IOPL - XXXXXXXXXX	

ISHIGAKI Oceania Pty. Ltd.
Filtration & Separation
Unit 1, 34 Truganina Road, Malaga, WA. 6090 Australia
www.ishigaki.com.au Ph.: + 61 8 9248 4465 Fax: + 61 8 9248 4479

FOR INFORMATION
PURPOSES ONLY

Sizing Screen 1 / Thies Equipment No. SC-141

View - A (1 : 20)



Technical Data KT

Weights:
oscillating machine weight: 66 kN = 6.728 kg
total weight with motor: 71 kN = 7.238 kg

Motor Data:
rated power: 22 kW
rotations at 50 Hz: 1459 1/min
starting torque for direct start: 330 Nm
shaft rotation: 500-600 1/min

Load Data for Insulation Support:
drawing number for springs: 49/00011553/03
numbers of springs: 8 Stück
load data per spring in spring axis: 8.25 kN
dynamic load per spring in spring axis: +- 0.80 kN
dynamic load per spring perpendicular to spring axis: +- 0.52 kN

During run-out of the machine the dynamic values of the spring increase approx. 4, times with approx. 1/3 of machine rotation!

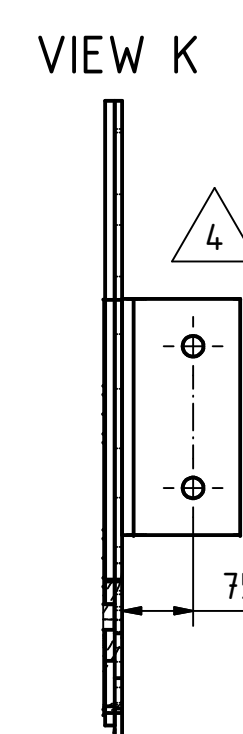
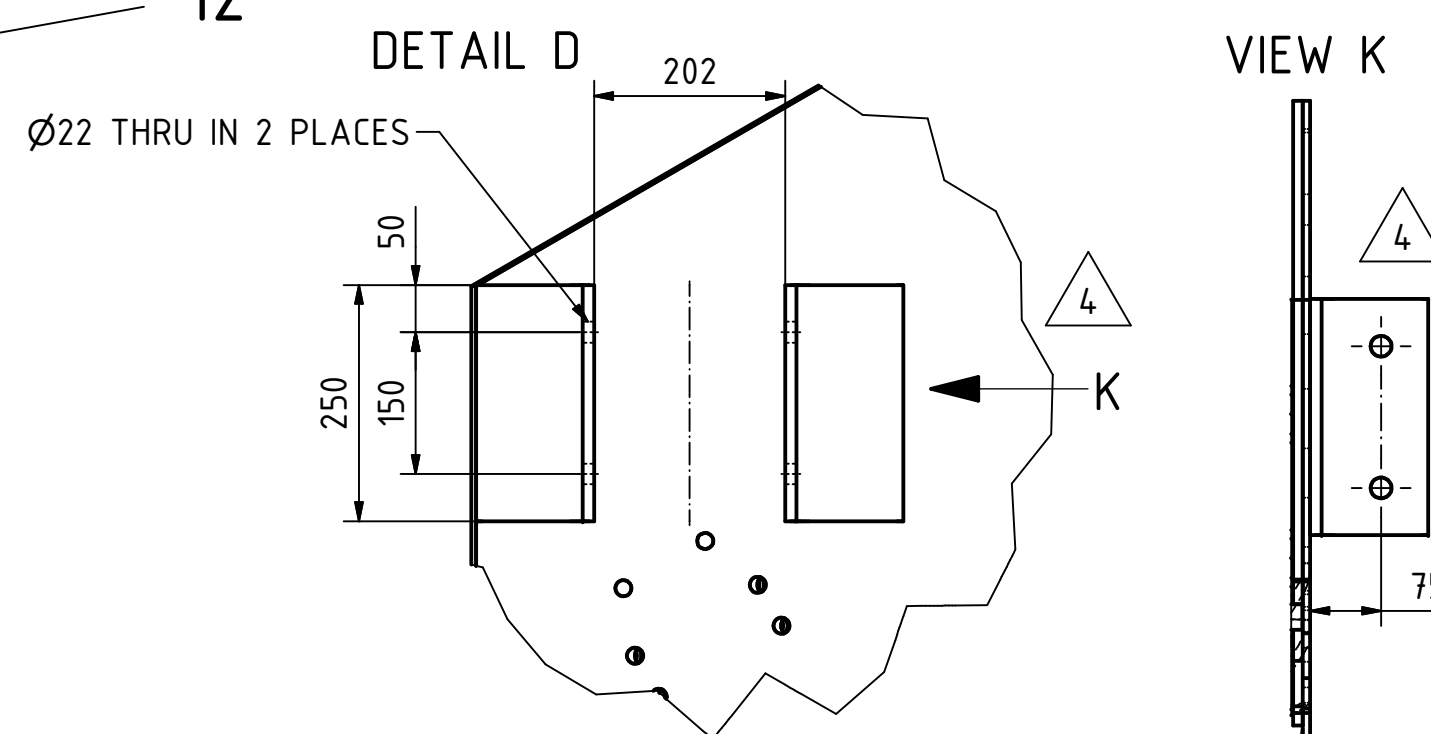
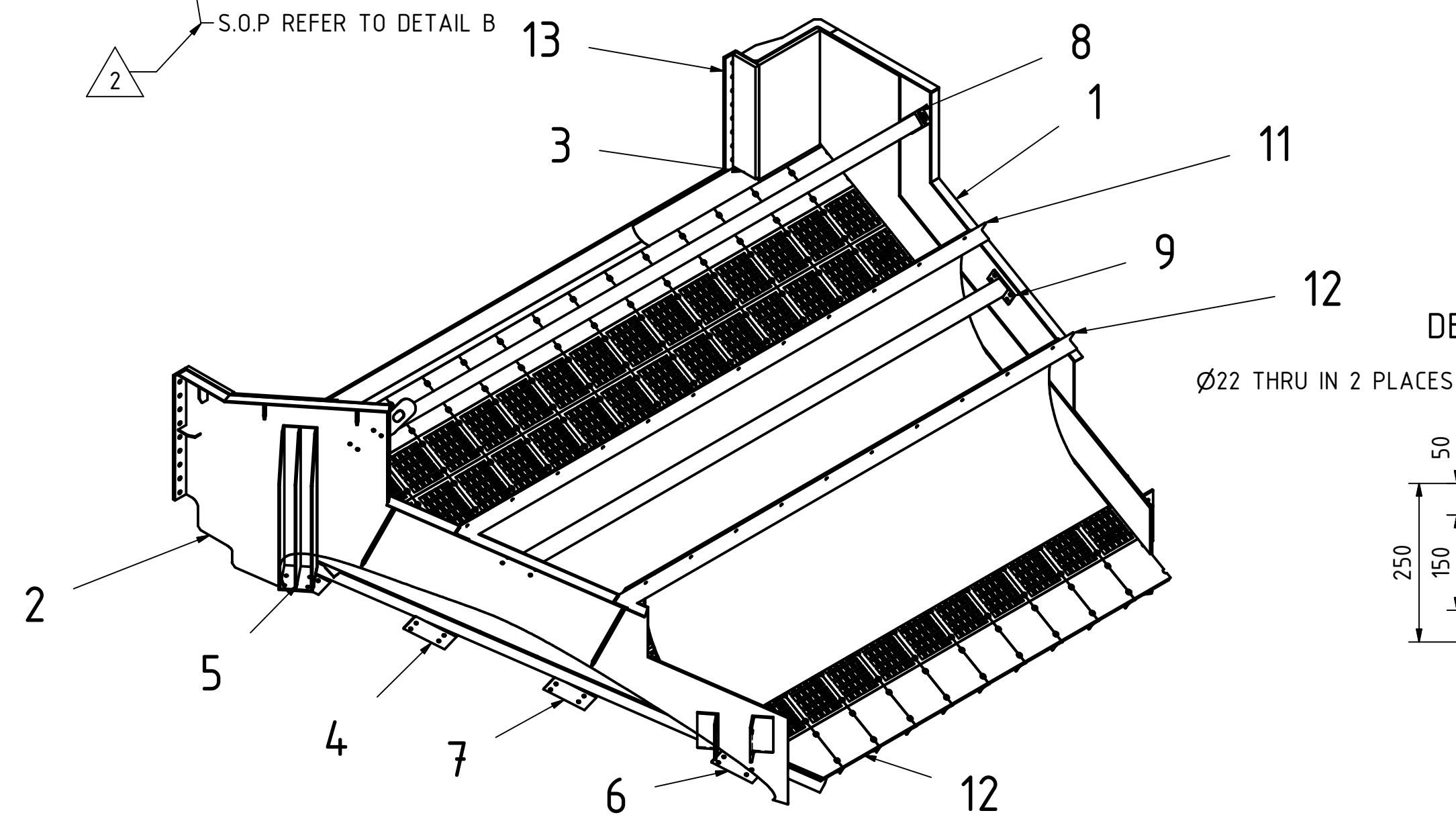
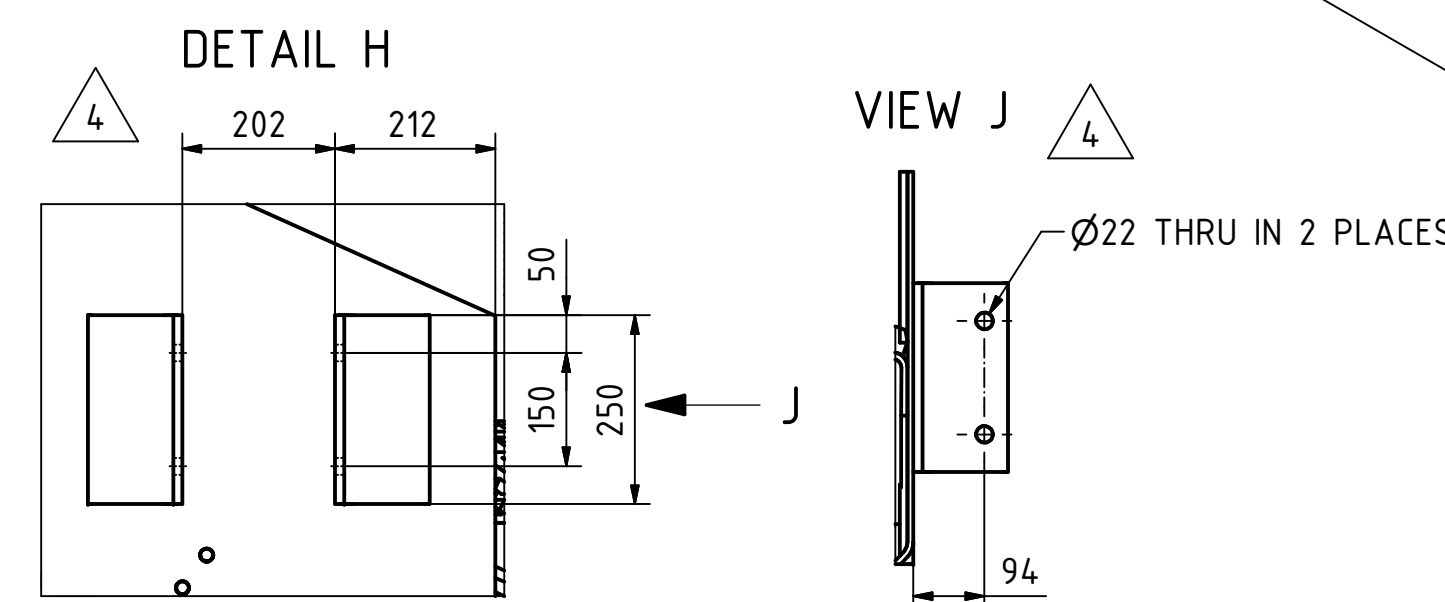
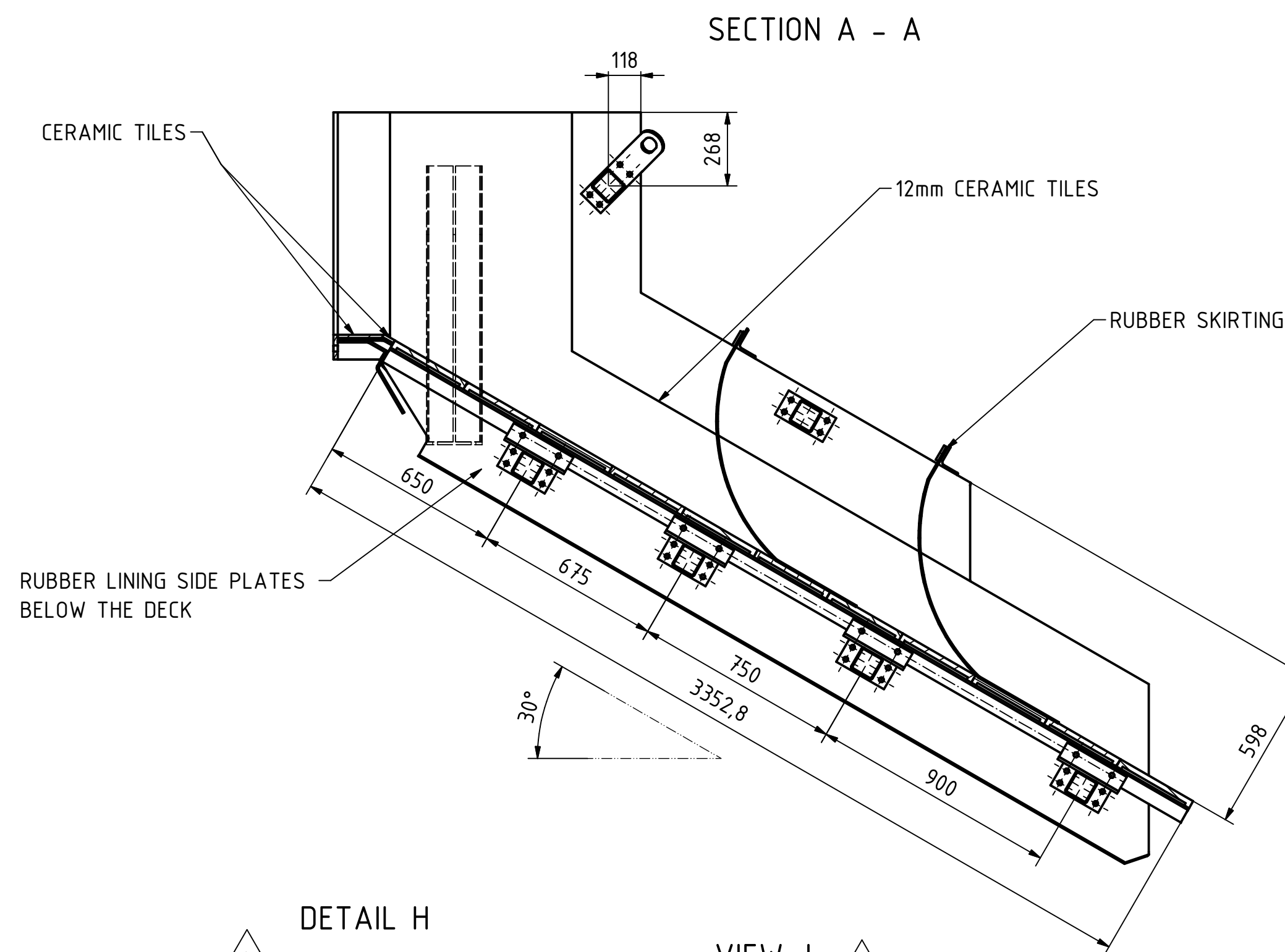
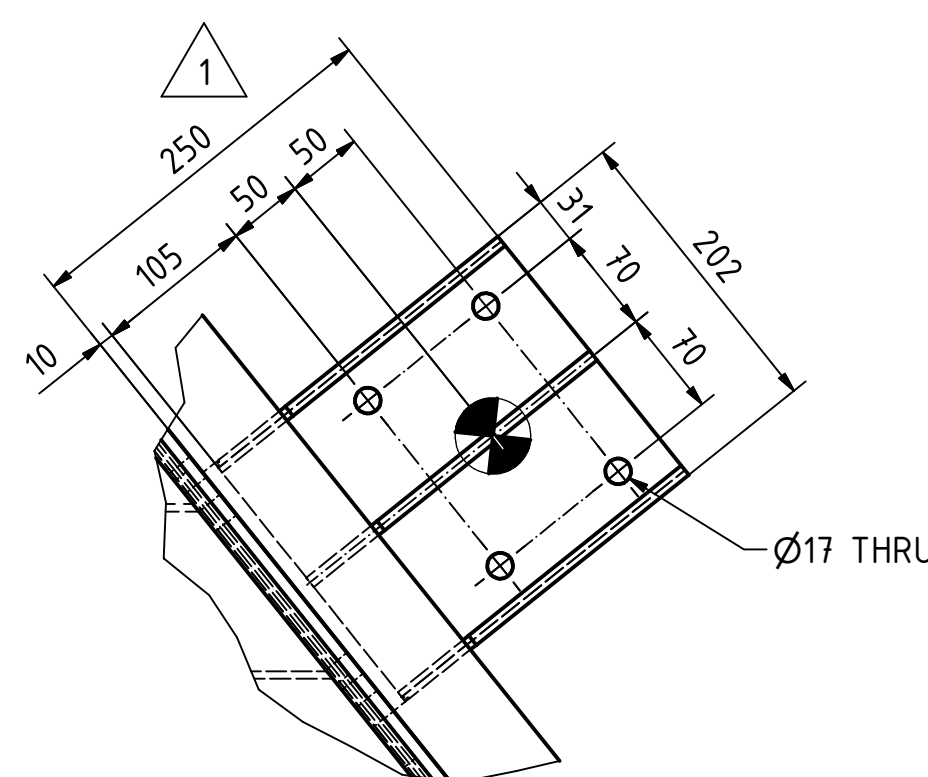
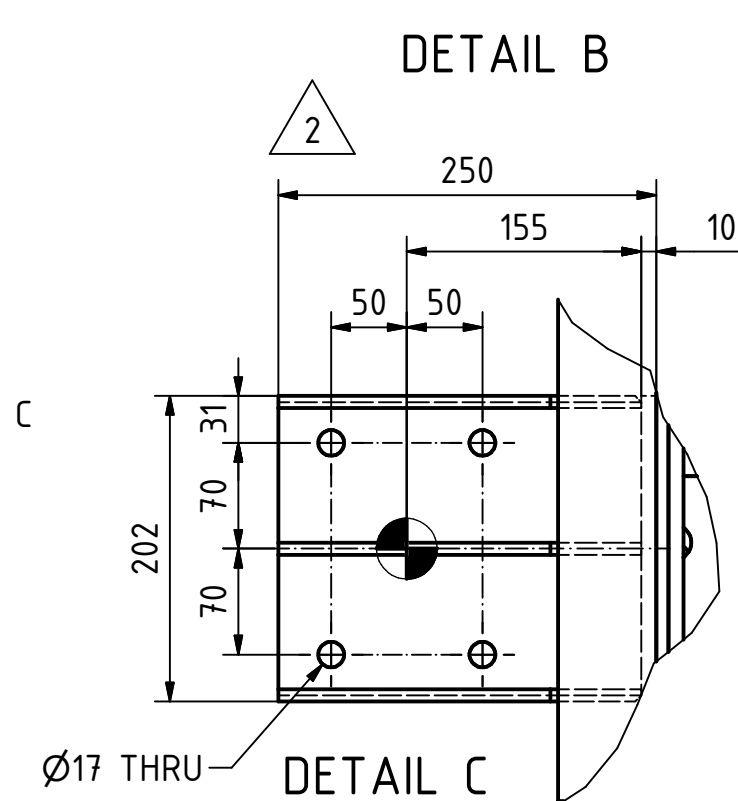
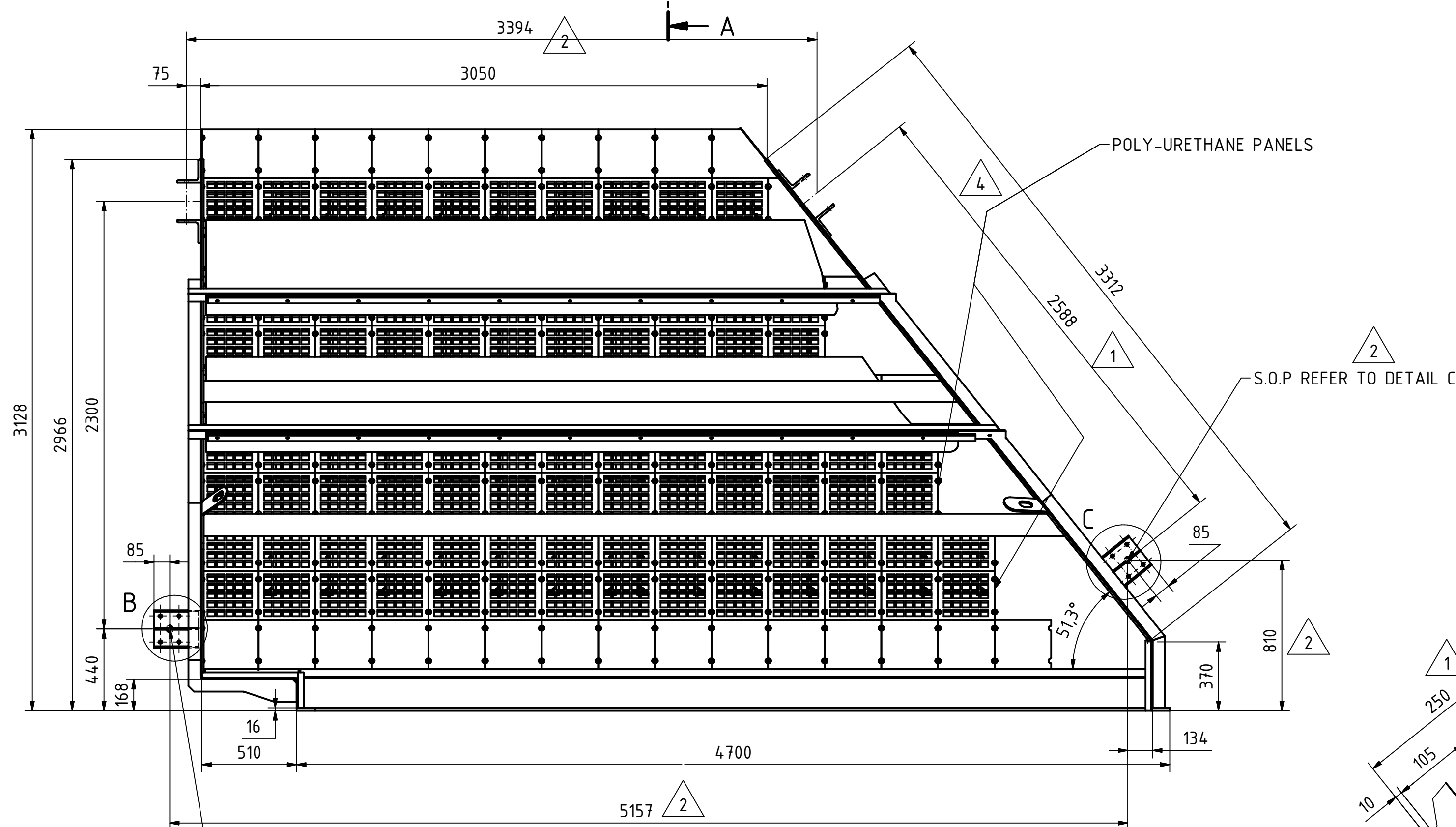
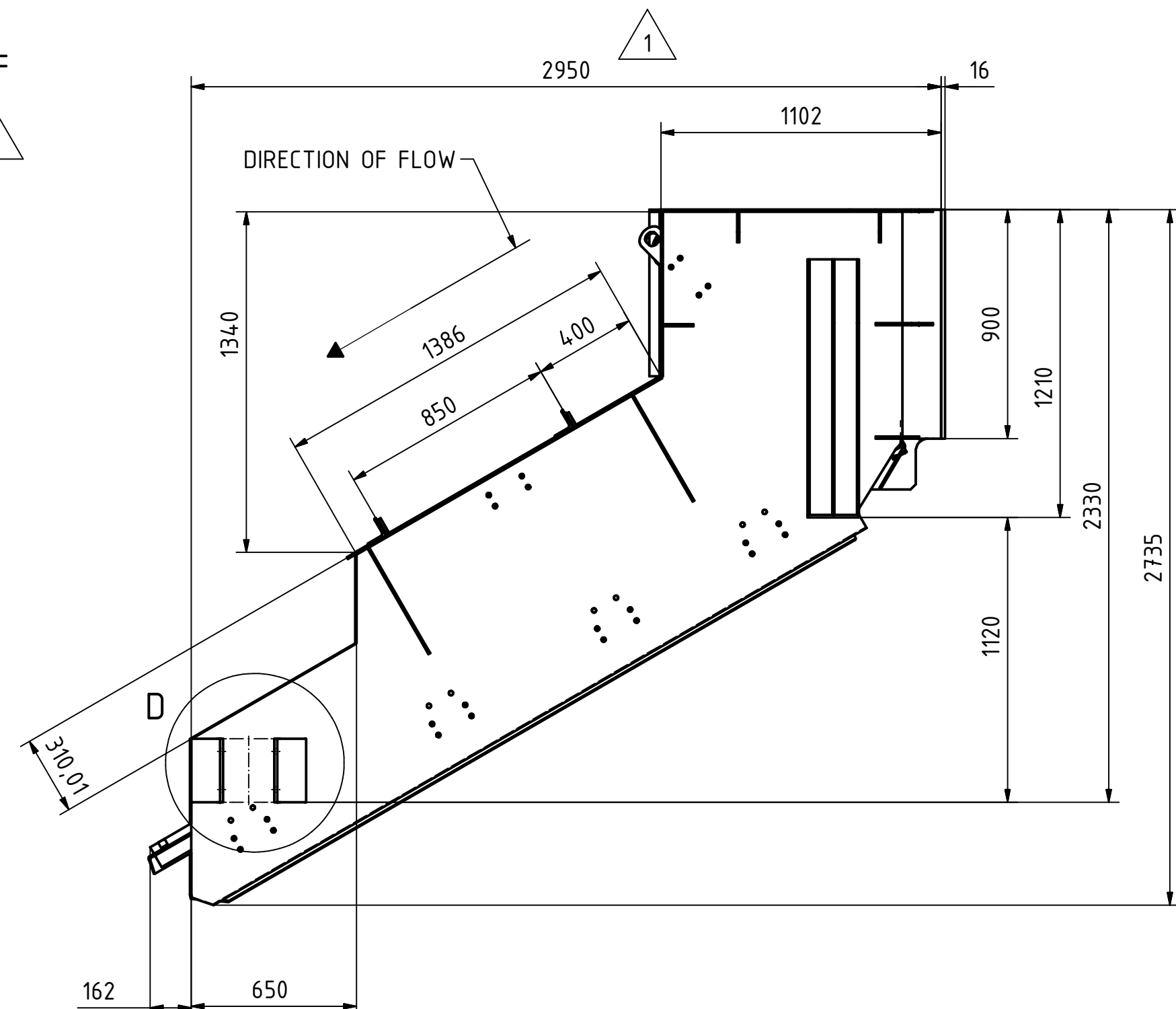
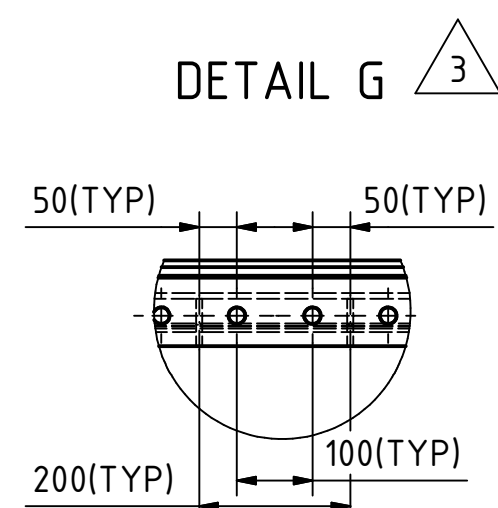
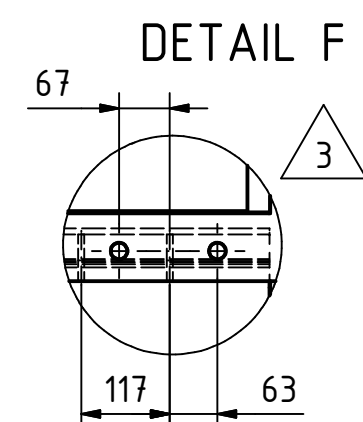
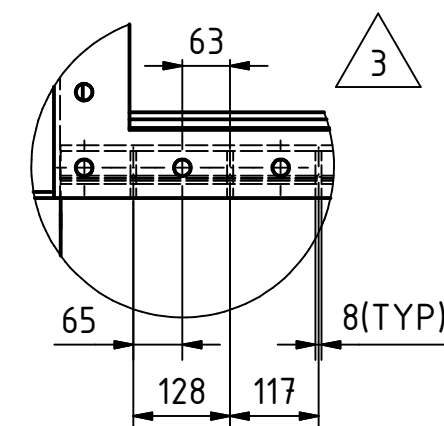
Attention!

The natural frequency of the substructure must range at about 25% below or above the rotation speed of the main shaft!

The distance of the vibrating parts to other parts should be min. 60mm.

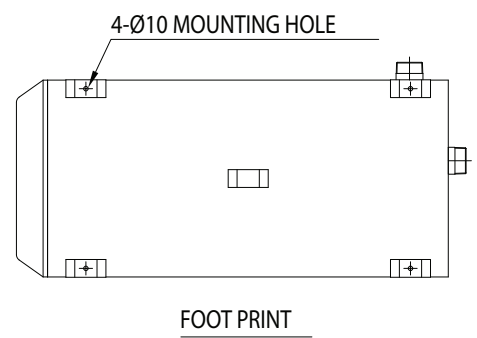
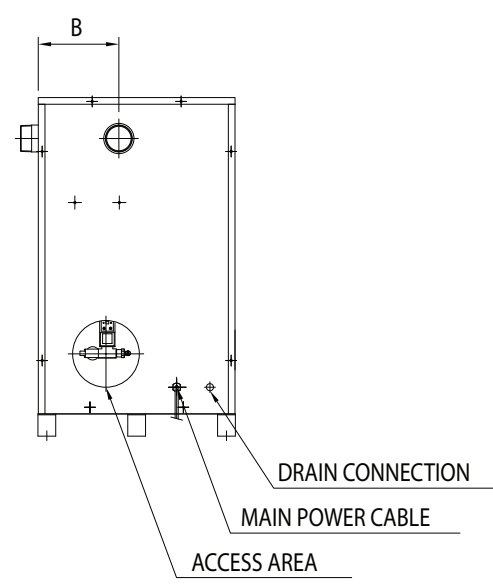
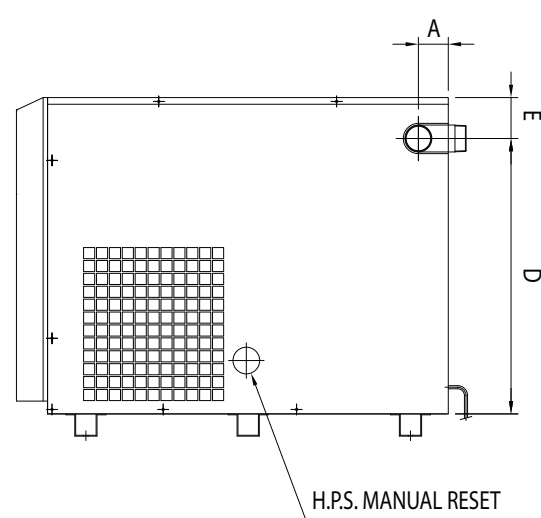
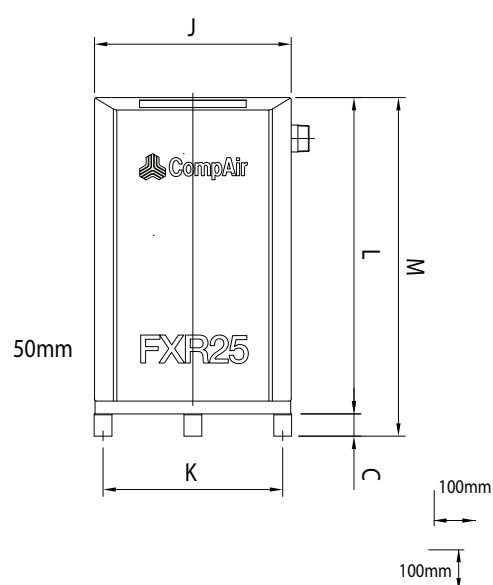
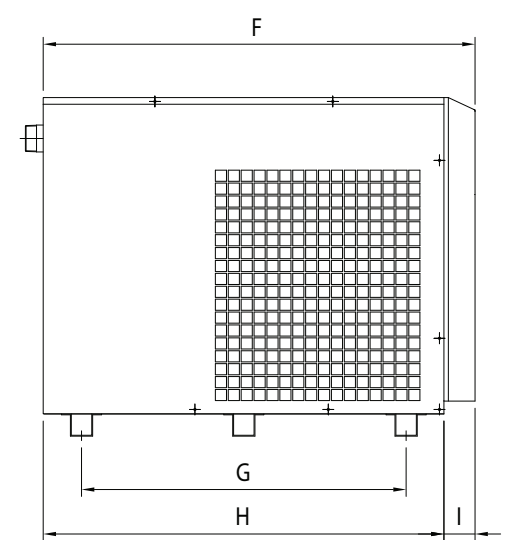
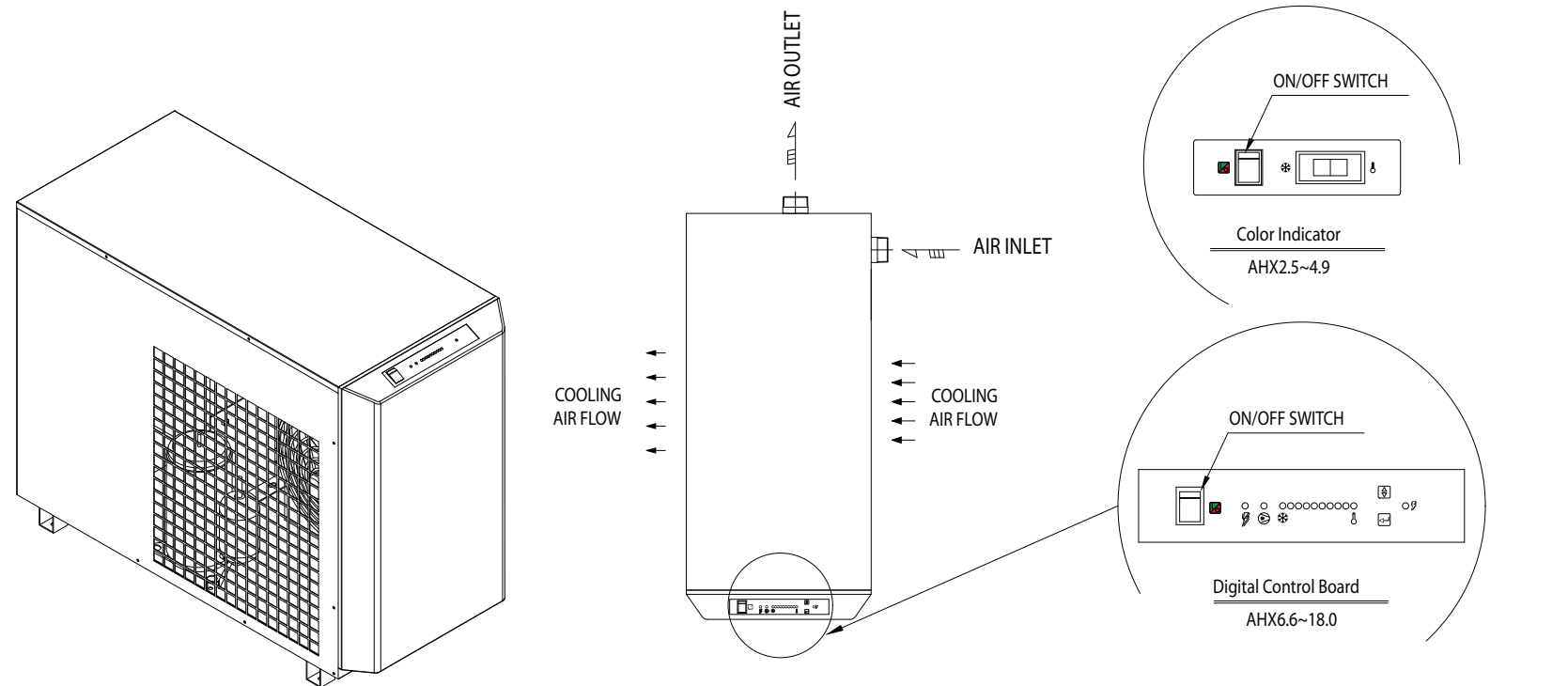
Rev. 01 07.02.2017 / Morawitz		Allgemeinabgrenzen:	
Rev. 02 02.03.2017 / Morawitz		ISO 2768 - 2	
		EN ISO 13920 Bf	
		Schweißnähte:	
		DIN EN 5817 B	
Gez. 01.12.2016		Brandschuttdicke:	
Freigebl. 01.12.2016		DIN EN ISO 9013-332	
Druck 15.12.2016		Werkstoff:	
PRE-TREATMENT PLANT		Zerlegungs Nr.	
Liwel Screen KT 1.5-6.0/24 EDS		Rev. 1	
Druck für		Verformt werden	
Freigebl. durch		1 : 20	

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PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	RH SIDE PLATE WELDMENT
2	1	LH SIDE PLATE WELDMENT
3	1	FEED CHUTE
4	1	CROSS MEMBER
5	1	CROSS MEMBER
6	1	CROSS MEMBER
7	1	CROSS MEMBER
8	1	BRACE MEMBER & LIFTING LUGS
9	1	BRACE MEMBER
10	1	RUBBER CURTAIN
11	1	RUBBER CURTAIN
12	1	SCREEN DECK ASSEMBLY
13	1	FEED CHUTE FLANGE

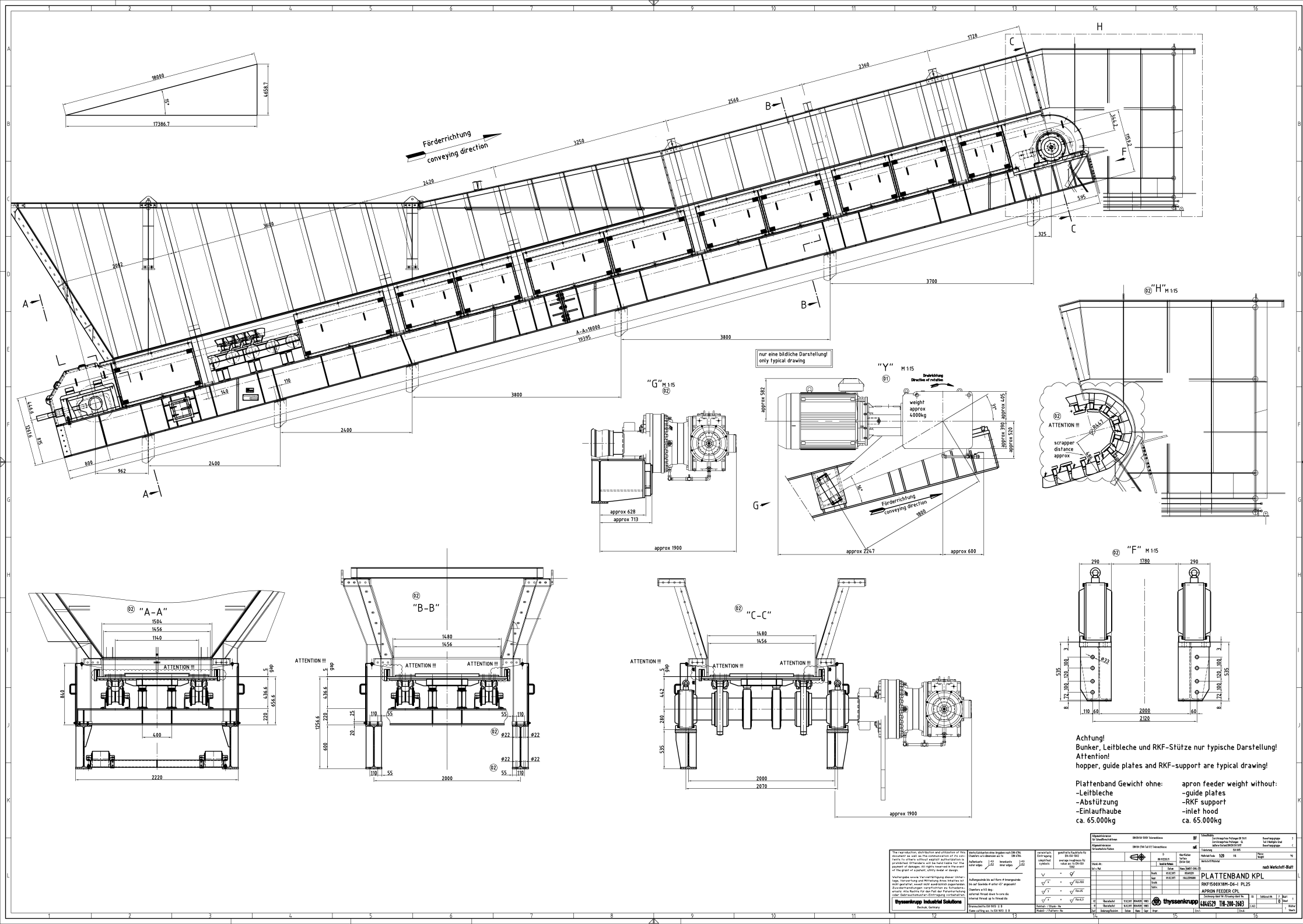
Änderungen nur über 3D-CAD!	Maße in mm DIMENSIONS IN MILLIMETERS		Werkstückskizzen nach PARTS EDGES ETC. ISO 13715		Oberflächenangaben nach ISO 1302 in µm		Maßstab SCALE NTS		Gewicht in kg WEIGHT IN KG PROGRAMS		Darstellungsmethode PROJECTION METHOD ISO 128	
	Forme und Lage toleranzen nach ISO 1101 und DIN 7167 SHAPE AND POSITIONAL TOLERANCE				Oberflächenangaben nach ISO 1302 in µm		Zeichen-Nr. DRAWING NO.		Werkstoff-Ref. Stückliste MATERIAL S. PARTS LIST			
	Maße ohne Toleranzen DIMENSIONS WITHOUT TOLERANCES				Oberflächenangaben nach ISO 1302 in µm		Zeichen-Nr. DRAWING NO.					
	Dimensionen mit Toleranzen DIMENSIONS WITH TOLERANCES				Datum / Date 3/16/2017		Name / Name KEITH		Benennung DESIGNATION		STATIC SCREEN	
	Identifiziert nach IDENTIFIED BY ISO 2768		Spalte g10 COARSE CUTS		Bearbeitet DRAWN 3/16/2017		Geprüft CHECKED 3/16/2017		KHATHU			
	MEDIUM ISO 2768		g6.30 ISO 1101-41		MEDIUM ISO 2768		g6.30 ISO 1101-41		MEDIUM ISO 2768			
	g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41			
	g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41			
	g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41			
	g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41			
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
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g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
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g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41		g6.30 ISO 1101-41				
g6.30 ISO 1101-41		g6.3										



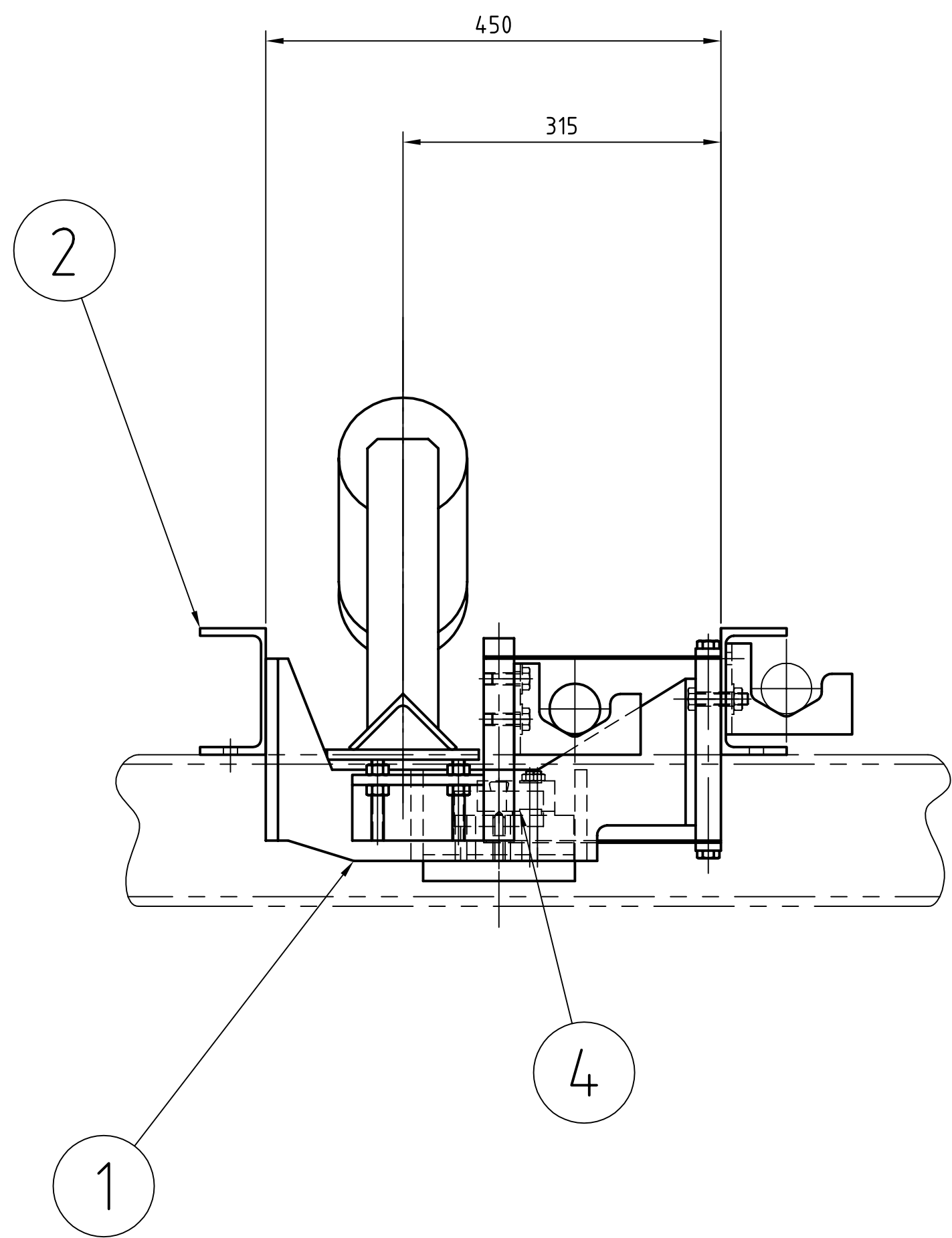
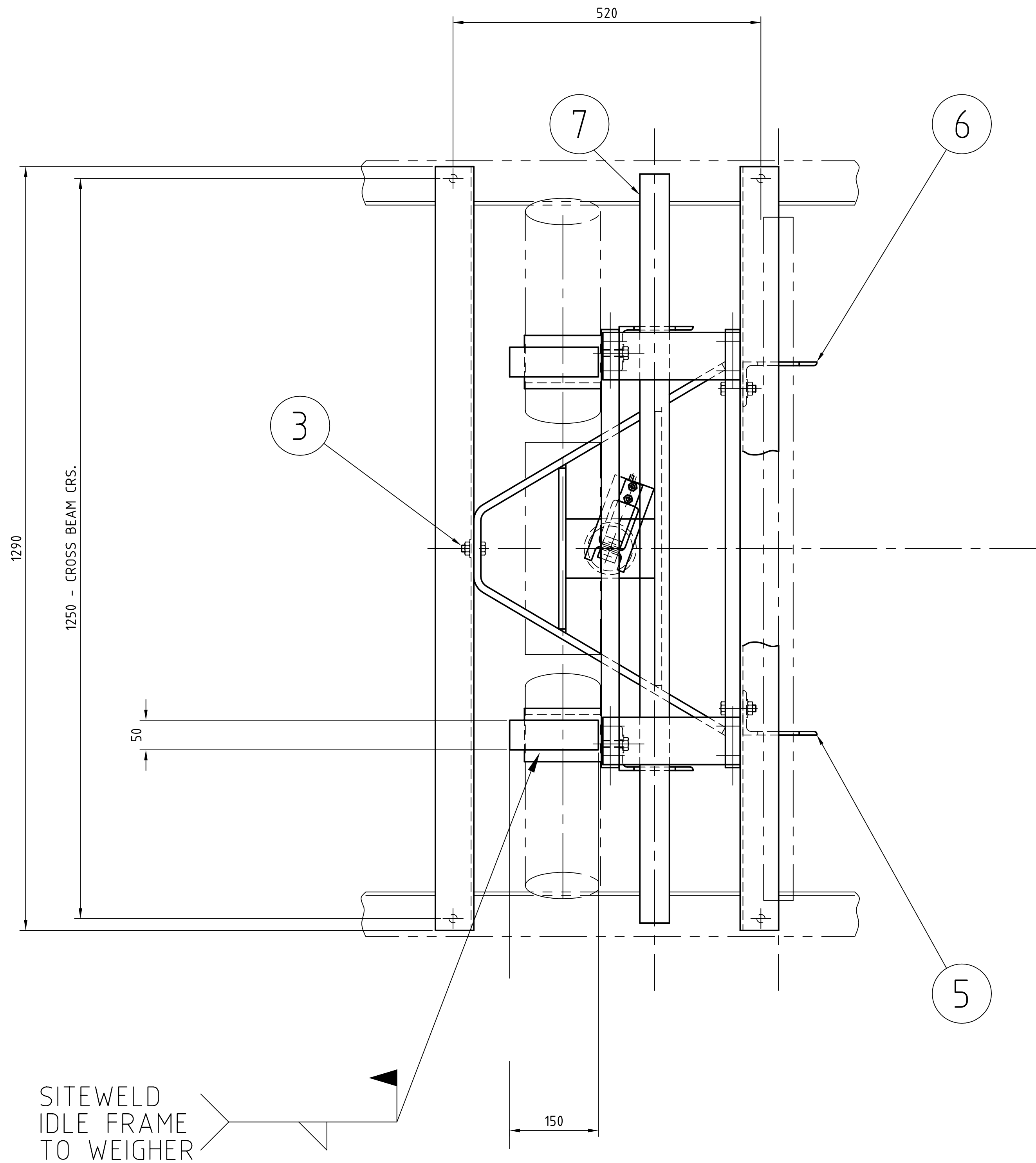
MODEL	DIMENSION mm													INLET/OUTLET
	A	B	C	D	E	F	G	H	I	J	K	L	M	
FXR25	51	96	50	489	62	861	540	791	70	363	324	551	601	DN25 BSPT
FXR30	51	96	50	489	62	861	540	791	70	363	324	551	601	DN25 BSPT
FXR49	51	96	50	489	62	921	600	851	70	363	324	551	601	DN25 BSPT
FXR66	67	181	50	619	92	971	730	901	70	443	404	711	761	DN50 BSPT
FXR80	67	181	50	619	92	971	730	901	70	443	404	711	761	DN50 BSPT
FXR100	67	181	50	649	112	1151	910	1081	70	493	454	761	811	DN50 BSPT
FXR133	67	181	50	649	112	1151	910	1081	70	493	454	761	811	DN50 BSPT
FXR150	67	181	50	649	112	1251	970	1181	70	493	454	761	811	DN50 BSPT
FXR180	97	189	50	649	112	1321	1040	1251	70	544	454	761	811	DN65 BSPT

△					
△					
△					
△					
No.	REVISIONS	DATE	REVD	CHKD	APRD
MODEL			APPROVED		
			CHECKED		
TITLE			DRAWN		
			MATERIAL		
			SCALE		
			DATE		
			DRAWING NO.		



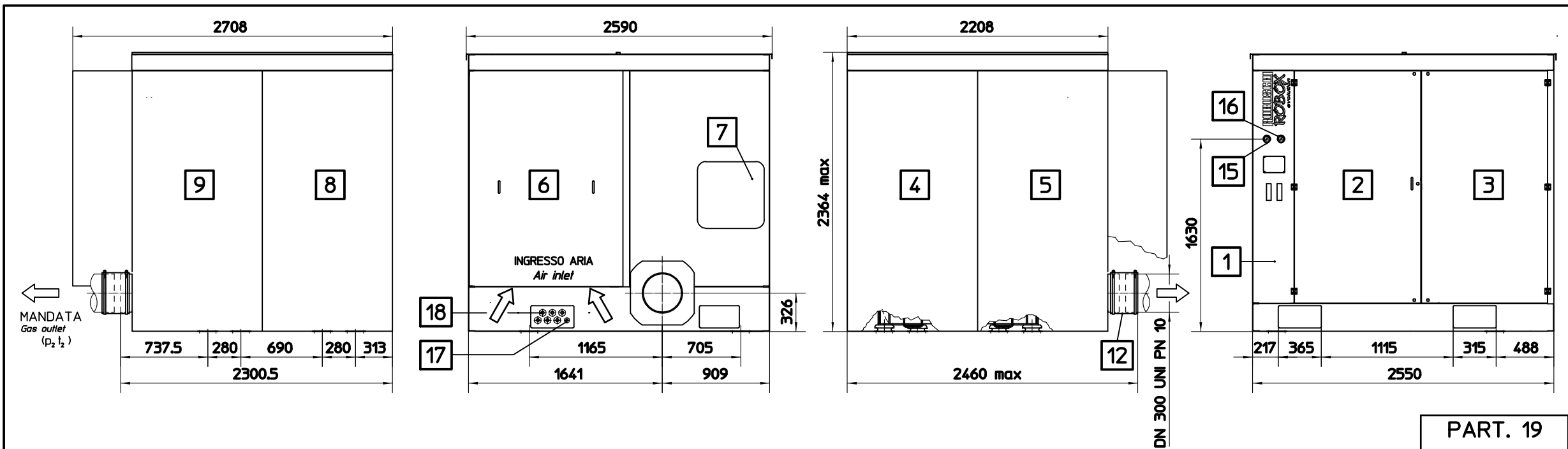


ITEM	REQ'D	PART No.	DESCRIPTION	MATERIAL	UNIT WT	TOTAL WT
1	1	D604718.01	BEP WEIGHING MODULE		72.8	72.8
2	2	6176-116204-01	CROSS BEAM		15.4	30.4
3	1	000-116089-01	FASTENER SET			
4	1	F014508.03	PWS 300kg LOADCELL WITH FOOT			
5	2	000-116070-01	TEST WEIGHTH SUPPORT - RH		0.6	1.2
6	2	000-116070-02	TEST WEIGHTH SUPPORT - LH		0.6	1.2
7	1	000-116086-01	TEST WEIGHT, 18kg		18	18
MATERIAL DIMENSIONS LISTED ARE NOMINAL SIZES ONLY AND DO NOT INCLUDE A WORKING ALLOWANCE. FABRICATOR SHALL ADJUST CUTTING SIZES TO ACHIEVE REQUIRED FINISHED SIZE AS SHOWN ON THE DRAWING.				TOTAL ESTIMATED MASS (kg):	123.6	



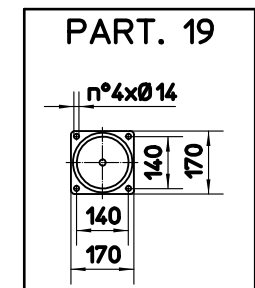
- NOTES:
- ALL WORK TO BE IN ACCORDANCE WITH SCHENCK MANUFACTURING SPEC. SMS150
 - BREAK ALL CORNERS AND SHARP EDGES
 - DEBURR ALL HOLES 0.5 x 45°

							SCHENCK SCHENCK AUSTRALIA Pty Ltd This document is confidential and is made available as a confidential disclosure on the understanding that it shall not be shown to, discussed with or transmitted to third parties, or used for any other purpose without the prior written approval of SCHENCK AUSTRALIA PTY LTD. DRAWN DATE CHECKED APPROVED DGF 22.04.05 MAC MW SCALE 1:5				PROJECT				SHEET SIZE A1	IF IN DOUBT ASK DO NOT SCALE	
1	ITEM 1 PART NUMBER CHANGED					25.05.05	DGF	MAC	MW	TITLE BEP10 BELT WEIGHER GENERAL ARRANGEMENT	DRAWING No.	000-071095-01					
0	FOR CONSTRUCTION					22.04.05	DGF	MAC	MW		REV.	1					
REV	REVISION					DATE	DRAWN	CHK'D	APP'D								

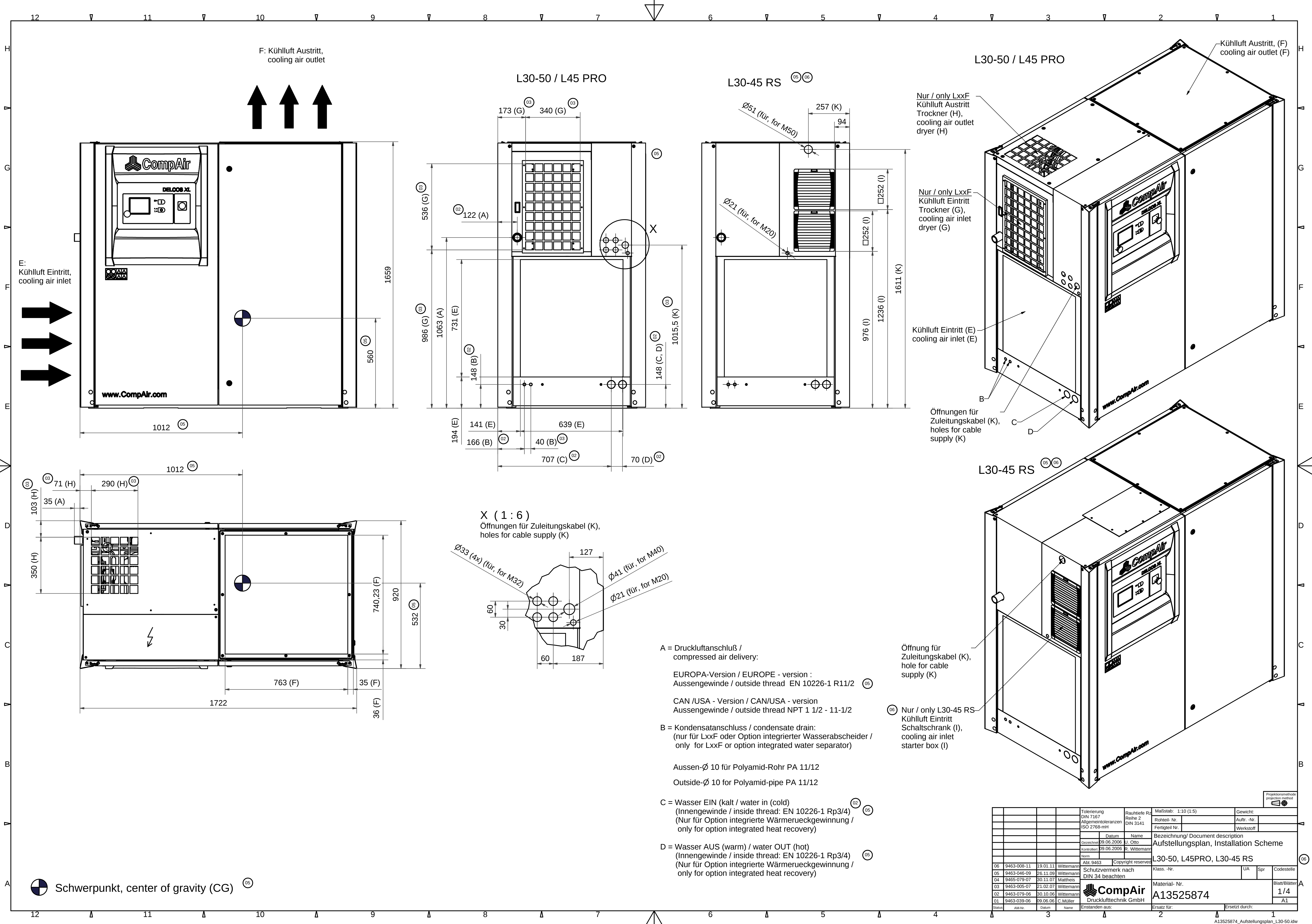


Ordine Robuschi : Robuschi work order No.	-
Cliente : Customer	-
Ordine cliente: Customer order	-
Impianto : Plant	-
Localita' : Place	-
Servizio : Service	-
Specifica : Data sheet	-
ITEM :	-

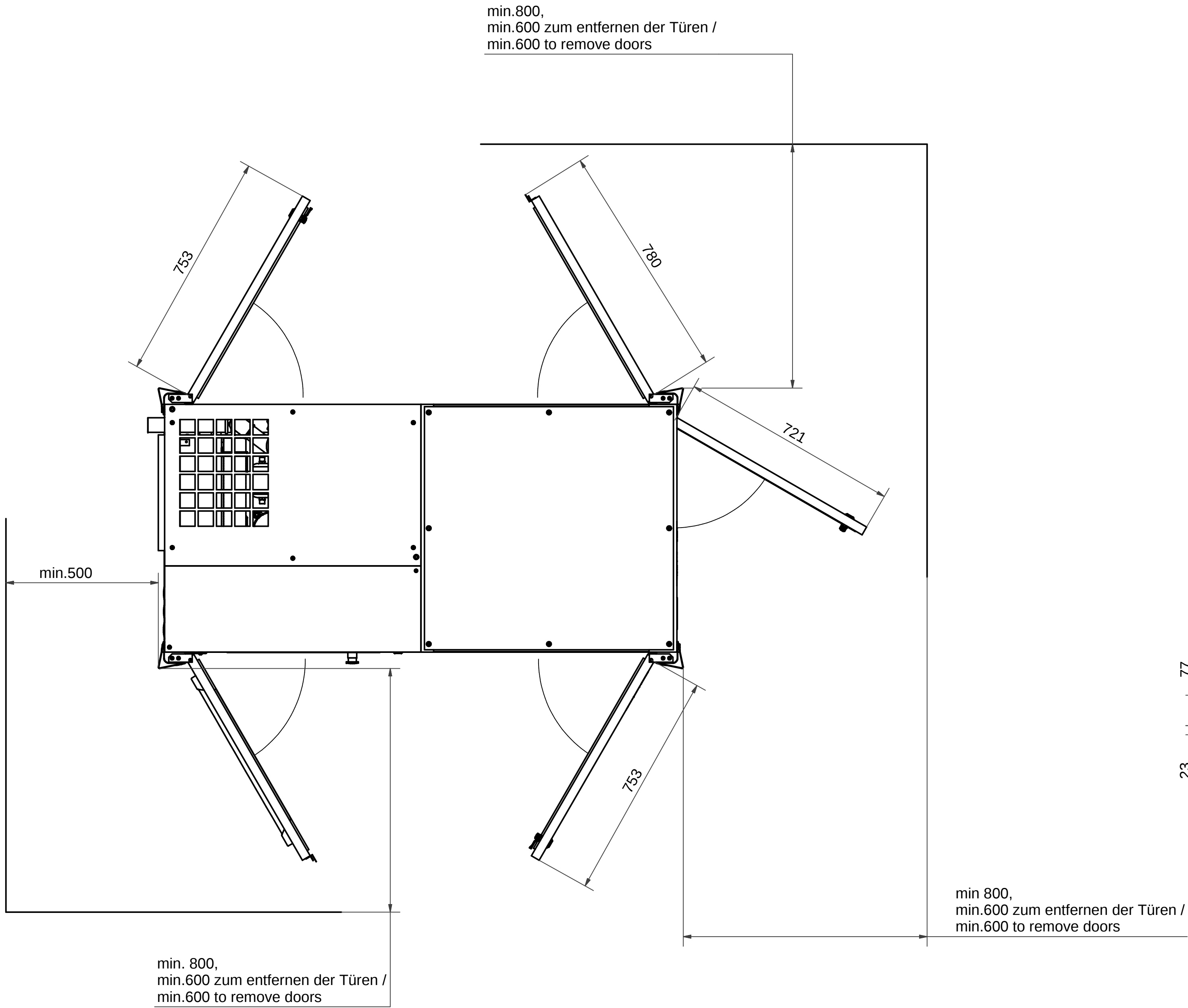
VENTILATORE Fan			
Costruttore : Manufacturer		VIP	
Tipo : Type		A5-504-23ET	
Potenza : Power	0,55 [kW]	Portata : Capacity	6350 [m³/h]
Velocita' : Speed	1370 [RPM]	Poli : Poles	4
Alimentazione elettrica - Electric supply :			
400 [V]		1,59 [A]	
Fasi : Phases	3	50 [Hz]	



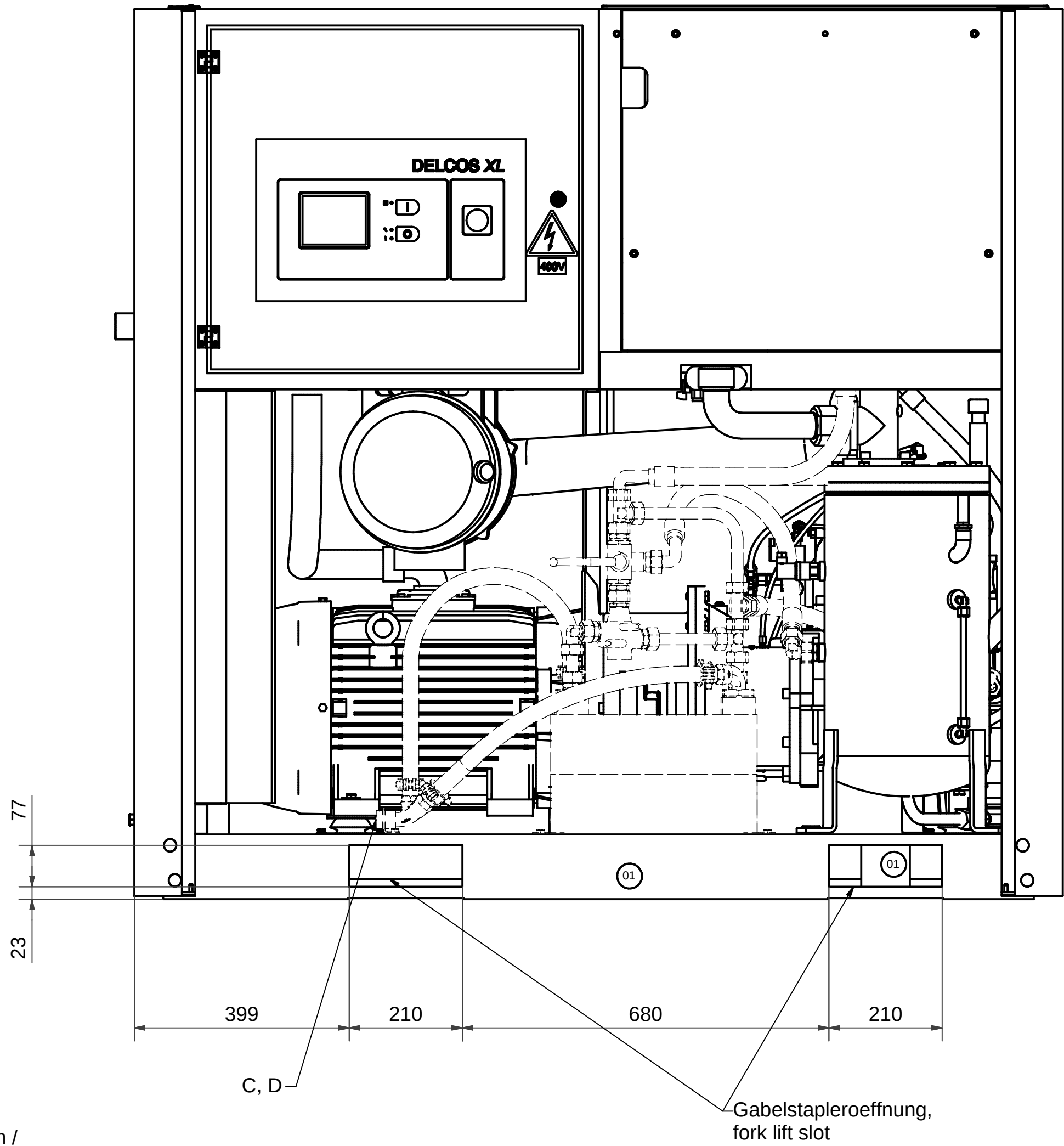
19	.	SOPPORTI ANTIVIBRANTI / Shock insulating feet RA 1200 A M20				6				
18	.	PRESSACAVO / Cable gland PG 36				6				
17	.	PRESSACAVO / Cable gland PG 29				1				
16	.	VUOTOMETRO / Vacuum gauge D63				1				
15	.	MANOMETRO / Pressure gauge D63				1				
14	.	VENTILATORE / Fan				1				
13	.	MOTORE ELETTRICO / Electric motor				1				
12	.	RACCORDO ELASTICO / Elastic connector ER 300				1				
11	.	TETTO SX CABINA CON SCARICO / Roof panel sx with air discharge				1				
10	.	TETTO DX CABINA / Roof panel dx				1				
9	.	PANNELLO LATERALE SX POSTERIORE / Lateral rear panel sx				1				
8	.	PANNELLO LATERALE SX ANTERIORE / Lateral fore panel sx				1				
7	.	PANNELLO ISPEZIONE VALVOLA SICUREZZA / Safety valve inspection panel				1				
6	.	SILENZIATORE DI ASPIRAZIONE / Inlet silencer				1				
5	.	PANNELLO LATERALE DX POSTERIORE / Lateral rear panel dx				1				
4	.	PANNELLO LATERALE DX ANTERIORE / Lateral fore panel dx				1				
3	.	PANNELLO FRONTALE DX / Front panel dx				1				
2	.	PANNELLO FRONTALE SX / Front panel sx				1				
1	.	PANNELLO STRUMENTI / Strument panel				1				
Pos.	N° Disegno	Denominazione				N° pezzi	N° modello	Materiale		
8							Smussi	Raggi		
7							non quotati	non quotati		
6							.	.		
5							Rugosità			
4							Ra in um			
3							Sostituito da:	.		
2		Aggiornato posizione antivibranti		22-06-15	Frigerio	22-06-15	Maraini	Data:		
1		Aggiunti n°2 antivibranti		15-10-12	Guidetti	15-10-12	Maraini	Sostituisce:		
Mod.N°	Descrizione modifiche			Data	Disegnato	Data	Controllato	Data:		
	Disegnato	Controllato	Approvato	Verif.Norme	Quote senza indicazione di tolleranza				Scala: 1:40	
Data	22-02-2007		22-02-2007							
Firma	.		.						Indice modifica	
A termini di legge ci riserviamo la proprietà di questo disegno della ROBUSCHI col divieto di riprodurlo o di renderlo noto a terzi o a ditte concorrenti senza la nostra autorizzazione					ROBOX 5 ES 145/5P					
					DISEGNO N° 280452-0000		Foglio			



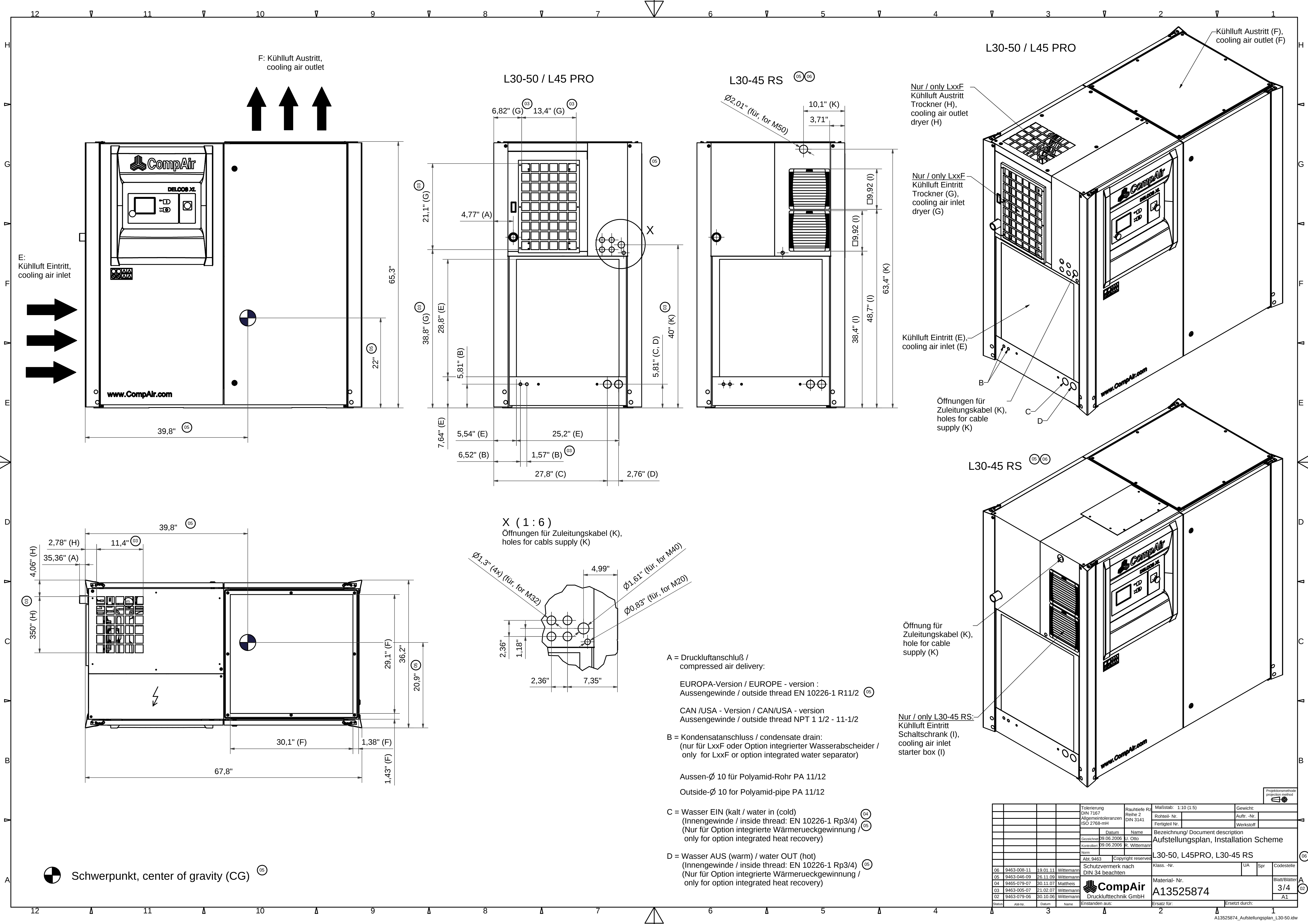
Ansicht zeigt empfohlene Installations-Abstände,
plan view showing recommended installation space



Ansicht ohne vordere Türen,
view without front doors



				Tolerierung DIN 7167 Allgemeintoleranzen ISO 2768-mH	Rauttiefe Rz Reihe 2 DIN 3141	Maßstab: 1:10		Gewicht:	
						Rohteil- Nr.		Auftr.-Nr.	
						Fertigteil Nr.		Werkstoff	
				Datum	Name	Bezeichnung/ Document description			
				Gezeichnet	U. Otto	Aufstellungsplan, Installation Scheme			
				Dargestellt	R. Wittemann				
				Abz.	Copyright reserved	L30-50, L45PRO, L30-45 RS			
				Schutzvermerk nach DIN 34 beachten		Klass.-Nr.	UA	Spr	Codestelle
						Material- Nr.		Blatt/Blätter	
						A13525874		2/4	
								A1	
06	9463-008-11	19.01.11	Wittemann						
02	9463-079-06	30.10.06	Wittemann						
01	9463-039-06	09.06.06	C.Müller						
Status	AM-Nr.	Datum	Name	Erststanden aus:		Ersatz für:		Ersetzt durch:	
						2		1	



A = Druckluftanschluß / compressed air delivery:

EUROPA-Version / EUROPE - version :
Aussengewinde / outside thread EN 10226-1 R11/2

CAN / USA - Version / CAN/USA - version
Aussengewinde / outside thread NPT 1 1/2 - 11-1/2

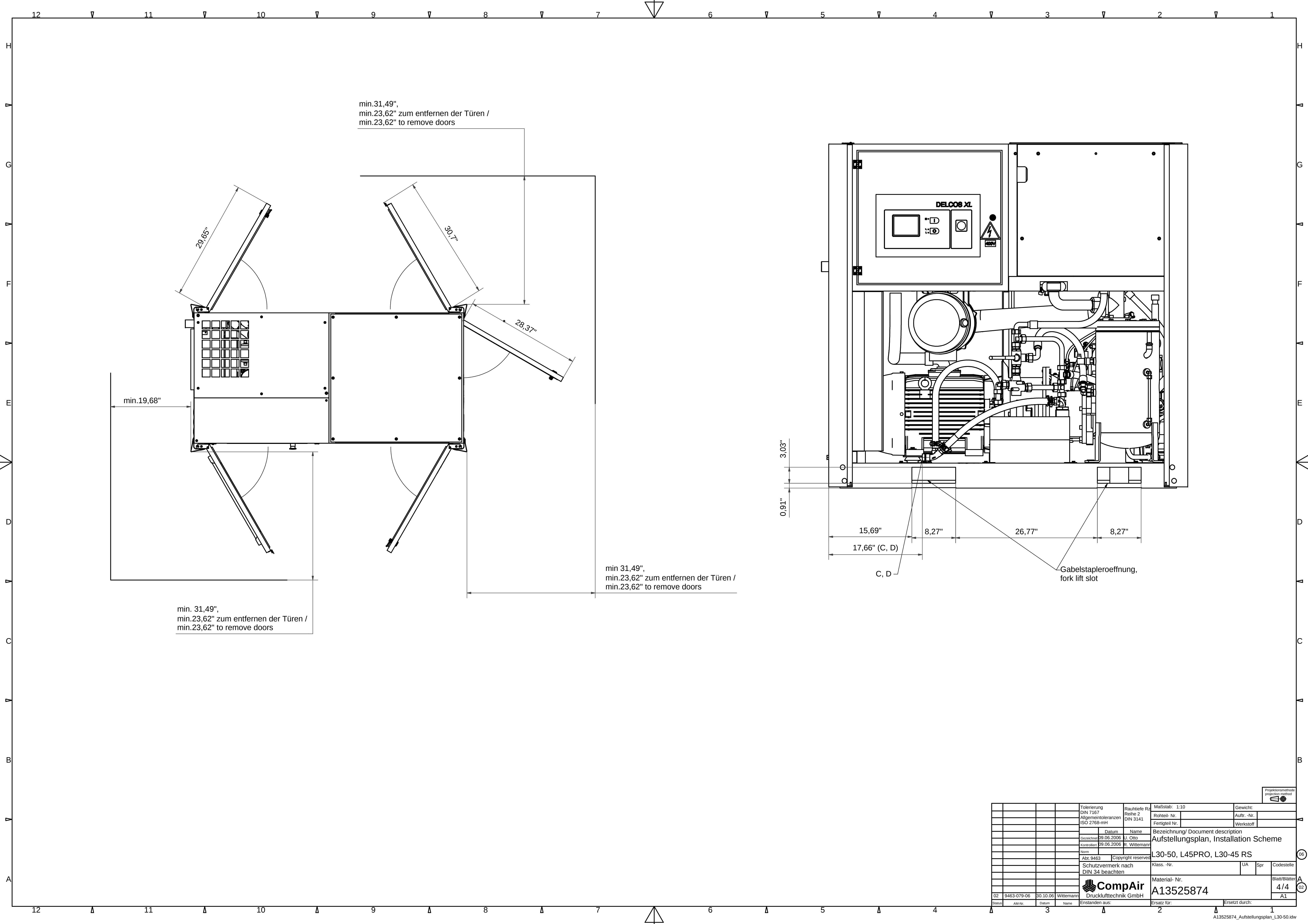
B = Kondensatanschluß / condensate drain:
(nur für LxxF oder Option integrierter Wasserabscheider /
only for LxxF or option integrated water separator)

Aussen-Ø 10 für Polyamid-Rohr PA 11/12
Outside-Ø 10 for Polyamid-pipe PA 11/12

C = Wasser EIN (kalt / water in (cold)
(Innengewinde / inside thread: EN 10226-1 Rp3/4)
(Nur für Option integrierte Wärmerueckgewinnung /
only for option integrated heat recovery)

D = Wasser AUS (warm) / water OUT (hot)
(Innengewinde / inside thread: EN 10226-1 Rp3/4)
(Nur für Option integrierte Wärmerueckgewinnung /
only for option integrated heat recovery)

Tolerierung DIN 7167 Allgemeintoleranzen ISO 2768-mS		Rauhtiefe Rz Reihe 2 DIN 3141		Maßstab: 1:10 (1:5)		Gewicht:	
Gezeichnet 29.06.2006 J. Otto		Datum 29.06.2006 J. Otto		Bezeichnung/ Document description Aufstellungsplan, Installation Scheme		Auftr.-Nr.	
Gezeichnet 29.06.2006 R. Wittemann		Datum 29.06.2006 R. Wittemann		Bezeichnung/ Document description Aufstellungsplan, Installation Scheme		Werkstoff	
Abz. 9463		Copyright reserved		L30-50, L45PRO, L30-45 RS		Blatt/Blätter	
Schutzvermerk nach DIN 34 beachten		Klass.-Nr.		Material- Nr.		A1	
Status		Abz.-Nr.		Erstellt durch:		Ersetzt durch:	
3		Name		2		1	



				Tolerierung DIN 7167 Allgemeintoleranzen ISO 2768-mH		Rautiefe Rz Reihe 2 DIN 3141		Maßstab: 1:10		Gewicht:	
								Rohteil- Nr.		Auftr.-Nr.	
								Fertigteil Nr.		Werkstoff	
				Datum		Name		Bezeichnung/ Document description			
				Gezeichnet		U. Otto		Aufstellungsplan, Installation Scheme			
				Geprüft		R. Wittemann					
				Norm							
				Abt. 9463		Copyright reserved		L30-50, L45PRO, L30-45 RS			
				Schutzvermerk nach DIN 34 beachten				Klass.-Nr.		UA	Spr
								Material- Nr.		Blatt/Blätter	
								A13525874		4/4	
										A1	