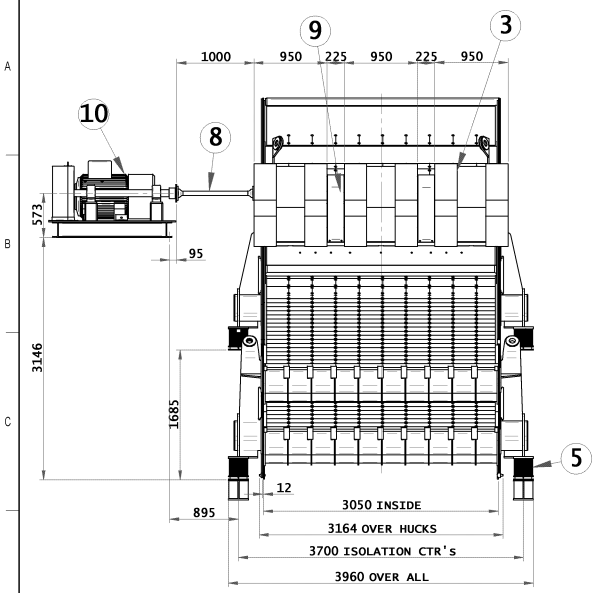
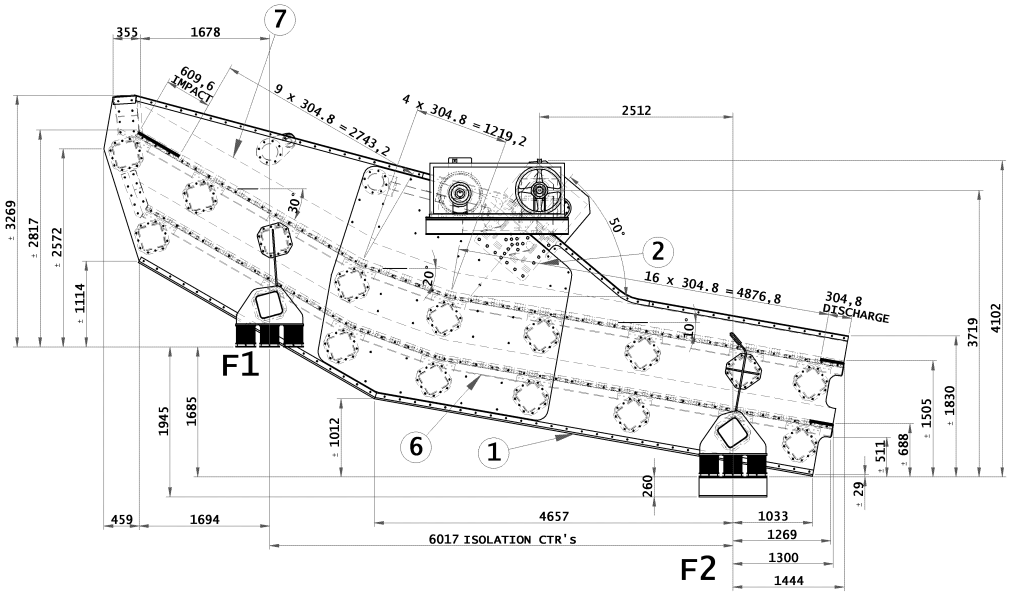
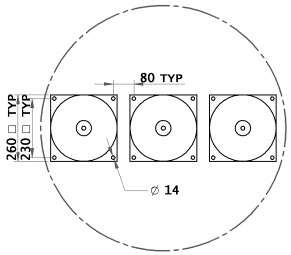
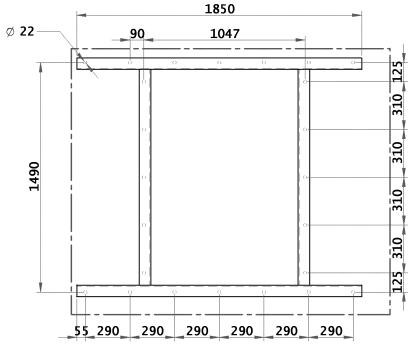


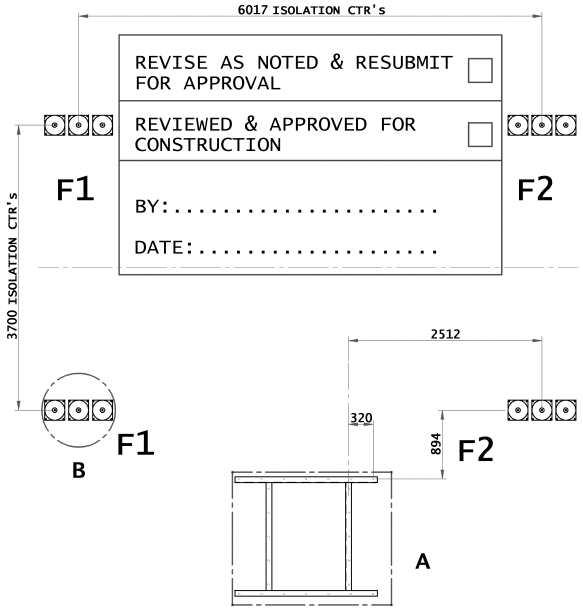




DETAIL B
TYPICAL TO F1 & F2



DETAIL A



REVISE AS NOTED & RESUBMIT FOR APPROVAL ☐

REVIEWED & APPROVED FOR CONSTRUCTION ☐

BY:.....

DATE:.....

DATE	PROJECT	CUSTOMER
25/02/2005	1614	KUMBA RESOURCES GROOTEGELUK

SPECIFICATION:

1.) TOTAL SCREEN MASS: 28810 KG
2.) DRIVE ANGLE ALPHA: 50°
3.) SCREEN ANGLE BETA: 30-10° MULTISLOPE
4.) STROKE: 12.9 mm
5.) ISOLATION: 12 ¢240x60x250 RUBBER BUFFERS
6.) ALLOW 80mm OPERATING CLEARANCE
7.) ALLOW 140mm LIFTING CLEARANCE FOR BUFFER CHANGE
8.) OPERATING SPEED: 790 RPM
9.) LINERS: 40TH POLYURETHANE
10.)SCREEN MEDIA:
TOP DECK: 305x305x50 PU PANELS
BOTTOM DECK: 305x305x30 PU PANELS
11.)DRIVE: 3 JR808 EXCITERS,1 110kw TEFC 4-POLE MOTOR
12.)ISOLATION POINTS TO BE LEVEL TO ± 2mm

MASS BREAKDOWN:

TOTAL VIBRATING MASS	28810
TOP PANELS	1441
BOTTOM PANELS	670
TRAVERSE	3000
EXCITERS	4320
TOP BACKPLATE	380
TOP RUNNERS	1494
BOTTOM RUNNERS	1400
TOP SIDE LINERS	700
STIFFENER PIPE	115
MINIMUM LIFTING MASS	15290

ITEM	REQ'D	DESCRIPTION
10	1	DRIVE - 110kW TEFC 4-POLE MOTOR
9	2	EXCITER COUPLING
8	1	CARDAN SHAFT - 1000LG
7	1 SET	LINERS
6	1 SET	RUNNERS - TOP & BOTTOM DECK
5	12	ISOLATION - ¢240x60x250 RUBBER BUFFERS
4	2 SETS	EXCITER STUD ASSEMBLIES
3	3	DRIVE - JR 808 EXCITERS
2	1	TRAVERSE
1	1	SCREEN BODY

EQUIPMENT LIST

GENERAL ARRANGEMENT
SRZN 3050 x 8845-9760
3 JR808 EXCITERS

REVISION A	WH	25/02/2005	PRELIMINARY - ISSUED FOR TENDER PURPOSES ONLY
CHECKED			
APPROVED			
REVISION B	WH	24/05/2005	MOTOR BASE DIMENSIONS ADDED. 160MM PEDASTAL ADDED. ISSUED FOR APPROVAL
CHECKED			
APPROVED			
ISSUED FOR APPROVAL			
REVISION C	MFB	20/06/2005	
CHECKED			
APPROVED			
REVISION D	MFB	20/06/2005	
CHECKED			
APPROVED			
ISSUED FOR F.E.A			
REVISION 1	MFB	04/08/2005	SIDE LINERS CHANGED TO 40mm THICK
CHECKED			
APPROVED			
REVISION 2	MFB	15/09/2005	PIPE STIFFENER ADDED.
CHECKED			
APPROVED			ISSUED FOR MANUFACTURE.

REFERENCE	DRAWING NUMBER	DESCRIPTION

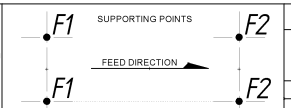
INFORMATION ONLY

Considering the natural frequency of the supporting structure, the vibrations caused by dynamic loads can be determined.

It is not sufficient to base the calculation of supporting structure, platforms and foundation on static loads only.

Select permissible vibration data in accordance with DIN 4150 (PROVISIONAL).

JOEST is not responsible for any vibrations, neither mechanical nor air, transmitted to other equipment and structure.



MINIMUM DISTANCE TO STATIONARY PARTS 80MM

TRAVERSE TO CONVEYING DIRECTION MINIMUM 50MM

OPERATING FREQUENCY ±12.5 Hz

OPERATING LOADS PER ISOLATION POINT EXCLUDING MATERIAL LOAD

		STAT (N)	DYN (N)
F1	VERT	78740 N	±14710 N
	HORIZ		±2470 N
F2	VERT	65820 N	±14710 N
	HORIZ		±2470 N

DRN W HOWROYD
DATE 25/02/2005
CHECKED
APPROVED
PROJN
SCALE 1:33.3
SHEET SIZE A1
SHEET 1 OF 1

JOEST (PTY) LIMITED
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SAS 3034-81 REV 2

DRAWING CREATED USING SOLID EDGE