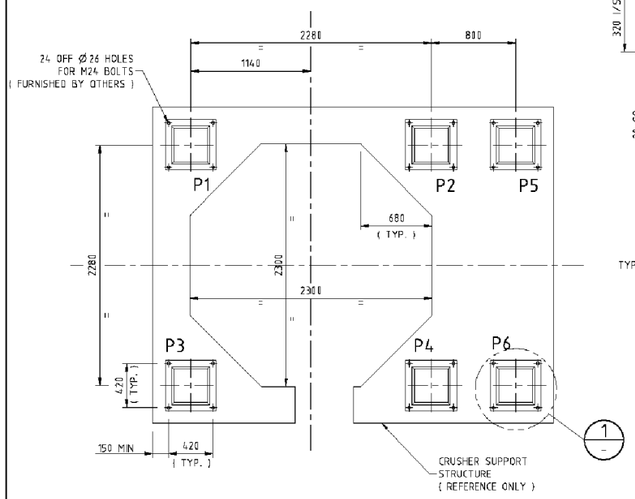
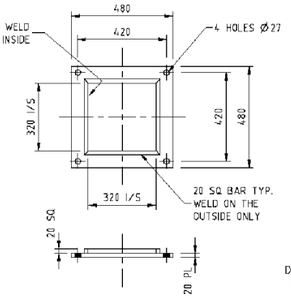
ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY TO METSO MINERALS PTY LTD. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF METSO MINERALS PTY LTD.

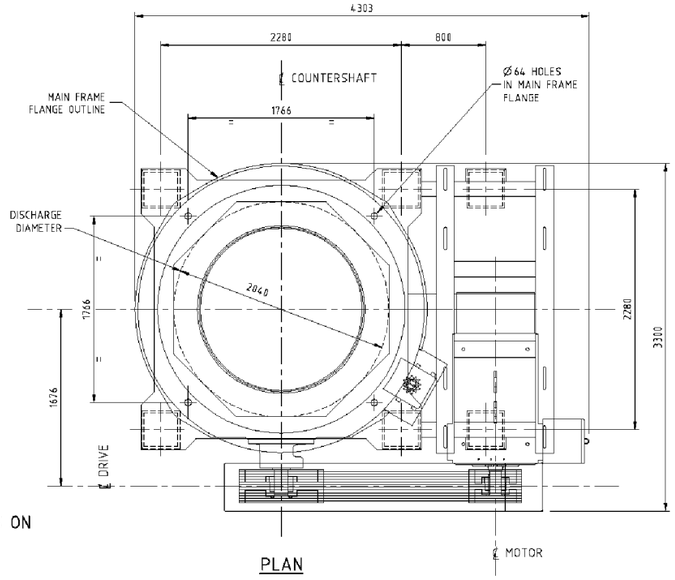


FOOTPRINT LAYOUT



DETAIL 1
SCALE 1:10

TYPICAL RUBBER PAD HOLDING BLOCK (BY OTHERS)



PLAN

STATIC & DYNAMIC LOADS ON CRUSHER SUPPORTS

P1 P3 P2 P4

87.5 - kN STATIC
33.7 - kN DYNAMIC (VERTICAL)
21.3 - kN DYNAMIC (HORIZONTAL)
388 - RPM (ROTATIONAL FREQUENCY OF DYNAMIC FORCES)

P5 P6

25 - kN STATIC

NOTE:
STATIC & DYNAMIC LOADS DO NOT INCLUDE ANY CHUTE WORK OR MATERIAL IN THE CRUSHER

130mm	CRUSHER COUNTERSHAFT DIAMETER
32 x 18	CRUSHER COUNTERSHAFT KEYWAY
950	COUNTERSHAFT RPM - FULL LOAD SPEED
CLOCKWISE	COUNTERSHAFT ROTATION WHEN FACING THE COUNTERSHAFT
110	MOTOR SHAFT DIAMETER
28 x 16	MOTOR SHAFT KEYWAY
375	MOTOR kW (ELECTRIC)
1500	MOTOR RPM - SYNCHRONOUS
T.B.A.	FRAME NUMBER
T.B.A.	MAKE
SPC 6000	DRIVE BELT SIZE
12	NUMBER OF DRIVE BELTS

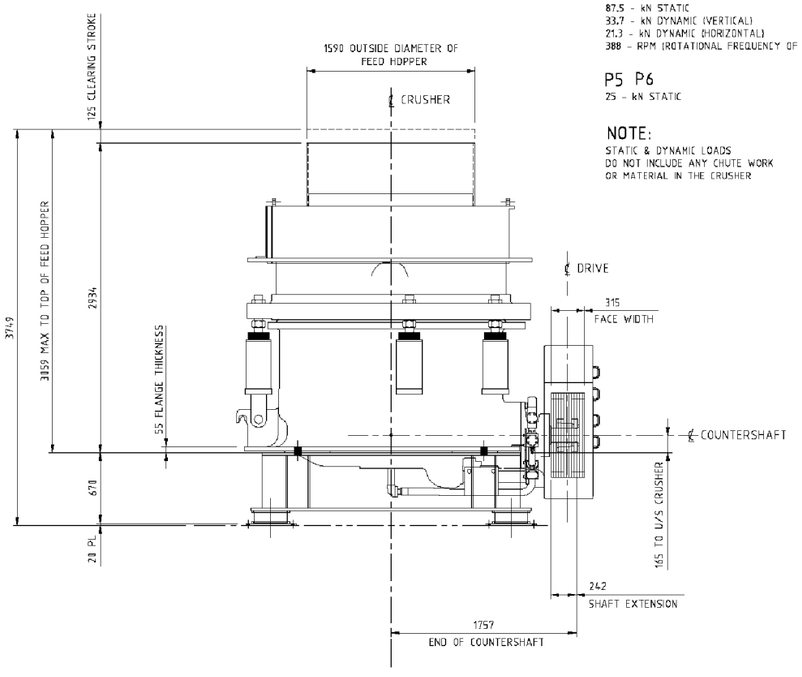
FOR THE PROPER SELECTION OF HOISTING EQUIPMENT ABOVE THE CRUSHER REFER TO T07-B112 p 3/4 FOR THE COMPLETE CRUSHER WEIGHT AS WELL AS THE WEIGHTS OF VARIOUS SUB-ASSEMBLIES THAT REQUIRE FREQUENT HANDLING

IN ORDER TO ACCURATELY DETERMINE CRUSHER CLEARANCE DIMENSIONS REFER TO T07-B112. (PAGES 1 & 2)

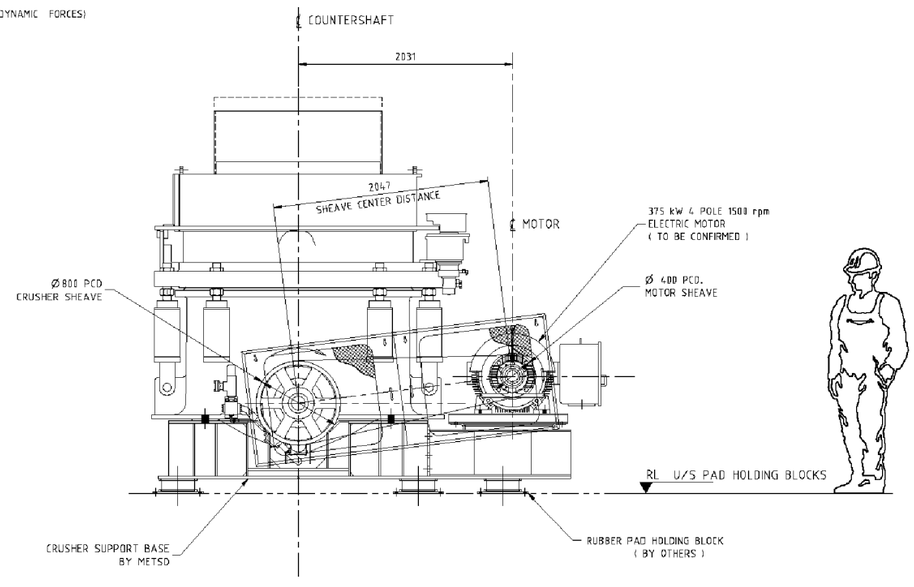
CRUSHER MOUNTING STRUCTURE TO BE DESIGNED TO SUIT CRUSHER LOADING AND OPERATING CHARACTERISTICS. REFER TO T07-B114.

THIS DRAWING IS BASED ON TYPICAL CONDITIONS OF INSTALLATION AND OPERATION - METSO CAN NOT BE RESPONSIBLE FOR ASSUMPTIONS MADE BY THE CUSTOMER AND TO THE INFLUENCE OF LOCAL CONDITIONS ON THE DESIGN. REFER TO THE INSTRUCTION MANUAL FOR BELT TENSIONING INSTRUCTIONS.

OBSERVE MINIMUM SPACE REQUIREMENTS TO ALLOW FOR FREE AND UNIMPEDED DISCHARGE OF CRUSHER MATERIAL. PROVIDE ACCESS FOR INSPECTION AND MAINTENANCE



SIDE VIEW



ELEVATION

PRELIMINARY ISSUE
PLEASE NOTE THAT THIS DRAWING IS NOT CERTIFIED AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.

REV	DESCRIPTION OF CHANGE	LOC.	DRAWN	ENG. ORDER No
A	PRELIMINARY ISSUE	—	J.K. 08.11.06	

CAD STORED DO NOT MANUALLY CHANGE

metso minerals

Metso Minerals (Australia) Limited
ABN 99 008 197 428
LEVEL 2, 1110 HAY ST, PERTH
WESTERN AUSTRALIA 6005
TEL: 61-8-9428 5555
FAX: 61-8-9428 5500

IMPLIED TOLERANCES FINISHED DIMENSIONS: MILLIMETRES — xxx. ±0.5, .x ±0.25, .xx ±0.13
3.2/ MACHINE FINISH UNLESS OTHERWISE NOTED
PLANE DEGREES ± ONE DEGREE
3rd ANGLE PROJECTION
PRODUCT: HP500 STD
SUPERSEDES
SUPERSEDED BY
ASSEMBLY
SCALE: 1:25
DRAWN: J.K. DATE 08.11.06
APPROVED: J.K. DATE 08.11.06
CHECKED DATE

DESCRIPTION: Mt ISA MINES AUSTRALIA
PART NAME: HP500 STD CONE CRUSHER GENERAL ARRANGEMENT

SIZE	DRAWING NUMBER PREFIX	CODE	SUFFIX	REV
A1	331	00010557		A

MIM W/O No:

REFERENCE DOCUMENTS NUMBER	TITLE

REFERENCES NUMBER	TITLE

REVISIONS REV	DRAWN	CHECKED	CLIENT APP'D	DESCRIPTION	D.O. APP'D	DATE
1	B. MALLIGAN			VENDOR DRAWING - AS ISSUED		14.04.08

3RD ANGLE PROJECTION U.N.O.
ALL DIMENSIONS IN MILLIMETRES U.N.O.
DO NOT SCALE
SCALE-

MOUNT ISA MINES ABN 87 009 661 447

Zn Pb CONCENTRATOR - GRINDING
REVAMP PROJECT STAGE 2
HP 500 STD CONE CRUSHER
GENERAL ARRANGEMENT

DRAWING NUMBER
055-0-8199

ORG. REV. 1
M/F. REV.
A1

10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150mm

Z:\2 Drawings\02 CAD\055 Grinding\0\05508199R01.dwg, 5/20/2008 2:38:07 PM