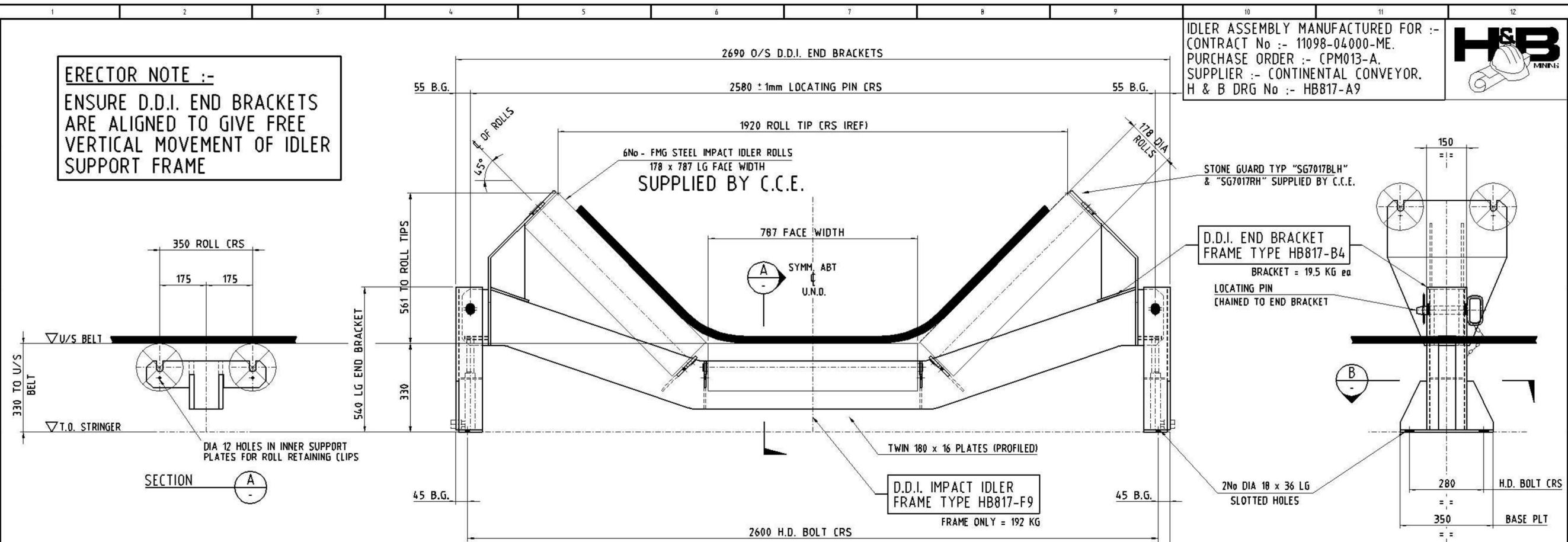




IDLER ASSEMBLY MANUFACTURED FOR :-
 CONTRACT No :- 11098-04000-ME.
 PURCHASE ORDER :- CPM013-A.
 SUPPLIER :- CONTINENTAL CONVEYOR.
 H & B DRG No :- HB817-A9

ERECTOR NOTE :-
 ENSURE D.D.I. END BRACKETS
 ARE ALIGNED TO GIVE FREE
 VERTICAL MOVEMENT OF IDLER
 SUPPORT FRAME



STANDARD DDI IMPACT IDLER - IN OPERATIONAL POSITION
 (ITEM "4" - 2200 WIDE, 45° TROUGH, DUAL 3 ROLL STEEL 178 DIA)

END VIEW

ITEM	DESCRIPTION	PART No	QTY
5	STONE GUARD	SG7017RH.	2
4	STONE GUARD	SG7017LH.	2
3	ROLLER DIA 178 x 787 FACE BEARING TYPE : 21309 C7 RATING 101 KN.	A17850803KPDS130.	6
2	END BRACKET	HB817-B4	2
1	FRAME	HB817-F9	1

FMG MINE CONVEYORS
 REFERENCE
 CV112

ENERPAC RC55 HYDRAULIC
 CYLINDER - 5 TONNE
 127mm STROKE, 215 CLOSED.
 342 EXTENDED.
 C/W HOSE & P39 HAND PUMP

DIMENSIONAL TOLERANCES U.N.O.

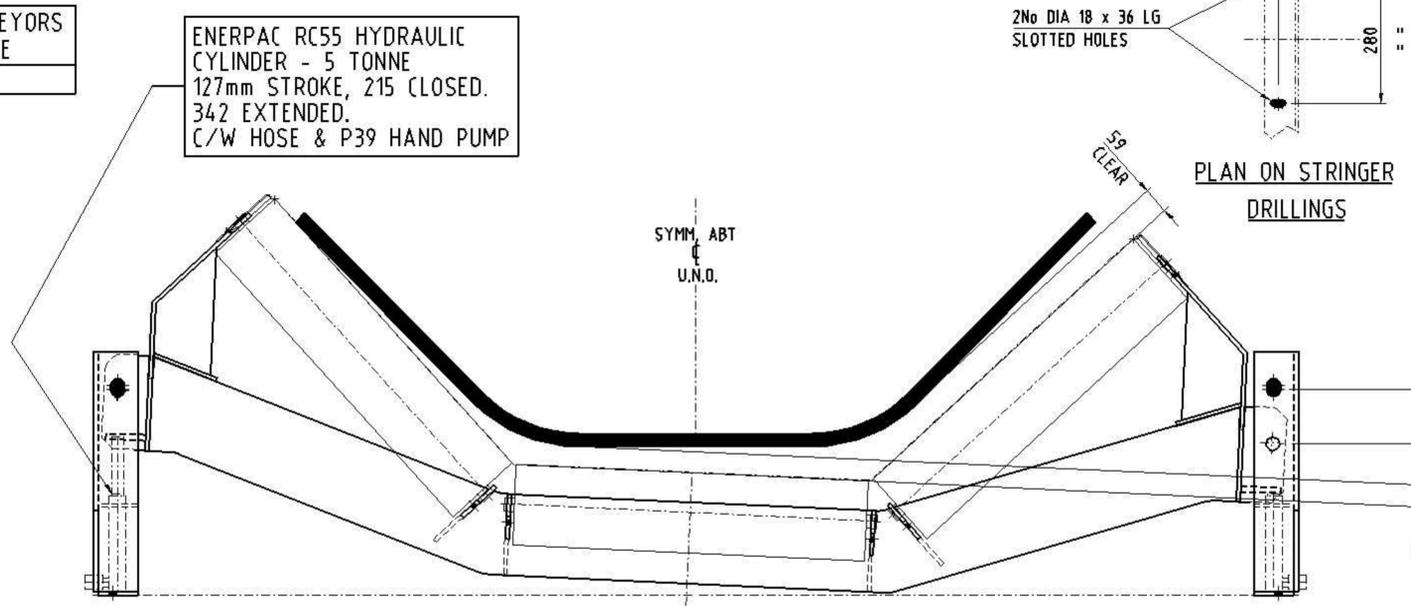
UP TO 50mm	±0.5	316-1000mm	±2.0
51-315mm	±1.0	1001mm-OVER	±3.0

GENERAL FABRICATION NOTES

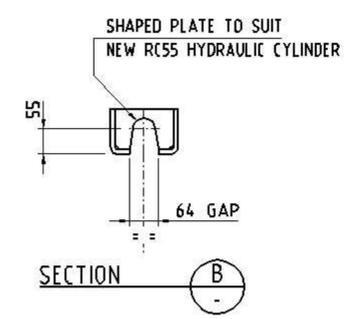
- STEELWORK TO AS3679-300, AS1163-350.
- ALL WELDS 6mm CONT. FILLET TO AS1554.1SP U.N.O.
- FRAME TO BE FREE OF WELD SPLATTER & DROSS.
- SURFACE FINISH :-
 - FRAME TO BE HOT DIP GALVANIZED AS PER FMG SPEC.
 - ROLLER ENDS TO BE PAINTED AS PER FMG SPEC.

SPECIFIC DATA

- TOTAL IDLER ASSY. MASS - 476kg (WITH ROLLERS), 231kg (WITHOUT ROLLERS).
- MASS OF ROTATING COMPONENTS - 148.8kg.
- MASS OF SINGLE ROLLER - 40.8 kg.
- ROLLER SEAL DRAG - START 5.5 N, RUNNING 4.5 N.

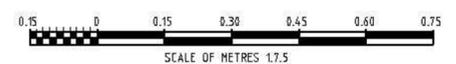


STANDARD DDI IMPACT IDLER - IN MAINTENANCE POSITION



PRELIMINARY
 UNCHECKED

INFORMATION ONLY
 NOT TO BE USED
 FOR CONSTRUCTION



DATE: 05/04/07
 REVISIONS:
 1. 05/04/07 REVISOR: []
 2. 27/02/07 REVISOR: []
 3. 21/02/07 REVISOR: []
 4. 21/02/07 REVISOR: []
 5. 17/02/07 REVISOR: []

REV	DATE	DESCRIPTION	DRN	ENG	CHK	LE	EM	PH
1	05/04/07	REVISED TO CLIENT'S COMMENTS & RE-ISSUED	GB	EH				
2	27/02/07	ISSUED FOR CONSTRUCTION	AH	GB				
3	21/02/07	RE-ISSUED FOR APPROVAL (BELT LINE REVISED TO 330mm)	AH	GB				
4	21/02/07	RE-ISSUED FOR APPROVAL (BELT LINE REVISED TO 370mm)	AH	GB				
5	17/02/07	ISSUED FOR APPROVAL	AH	GB				

CLIENT
The Pilbara Infrastructure Pty Ltd
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 87 Adelaide Terrace
 East Perth WA 6004 Australia
 Tel +61 8 9266 0111
 Fax +61 8 9221 9483
 ABN 52 103 196 340

Team 45 The Pilbara Iron Ore & Infrastructure Project
 Team 45 is the integrated project management team of Fortescue Metals Group, The Pilbara Infrastructure and WorleyParsons. Team 45 and WorleyParsons act on behalf of and as disclosed agent of The Pilbara Infrastructure.

ROLE	NAME	DATE
DRAWN	A.H.	06.02.2007
ENGINEER		
CHECKED	G.B.	17.02.2007
LEAD ENG		
ENG MGR		
PRJ MGR		
SCALE	1:7.5	

PROJECT No	DRG No	REV.
300/11098	00010-ME-DR-1575	1



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www.handbmining.com.au

H & B Mining: “The Experts in Conveyor Skirts”

H & B Mining design and supply a range of “Easy Maintenance” conveyor transfer products to the Australian mining industry with the aim of providing a safer, easier to maintain and more efficient working environment at conveyor transfer points.

H & B Mining was established in April 1993 with the promise of providing a standalone conveyor design service tailored to accommodate the mines of Australia. After witnessing maintenance crews struggling to maintain and change out poorly designed products for conveyor transfers H & B decided to expand its portfolio by developing its own range of ‘Easy Maintenance Products’ for conveyor transfer points including: conveyor idlers, conveyor skirting systems, hinged dust covers, conveyor guards, conveyor diversion plough, streamline conveyor transfer design and the retractable loading boot.

The “Easy Maintenance” conveyor product range harnesses H & B’s vast experience in the field along with the innovative design technology nurtured over the years within the H & B design team. The Australian mining industry has benefited from H & B’s toil, witnessing enhanced overall productivity, reduced shutdown time and improved safety whilst gaining cost effective mining conveyor operations. H & B Mining products have been installed as mine standard by Rio Tinto, BHP Billiton, Roy Hill and FMG, amongst others.

Drop Down Idler

The H & B easy maintenance drop down idler provides a quick, easy, safe and economical way to change out worn or damaged idler rollers on a mining conveyor.

One person can change out rollers by removing a locking pin to release the roller support frame from its operational position. A bottle jack or hydraulic cylinder is then used to lower the roller support frame away from the conveyor belt to create an opening between belt and rollers sufficient enough to allow access for removal or insertion of rollers without the need to lift the belt. Incorporating such an easy maintenance system ensures that worn rollers are changed out on a regular basis which in turn guarantees a consistent belt line beneath the skirted area.

A consistent belt line with a well maintained skirting system reduces spillage down to an absolute minimum, eliminates material build up around transfer areas and generally enhances the overall productivity of the conveyor materials handling system.