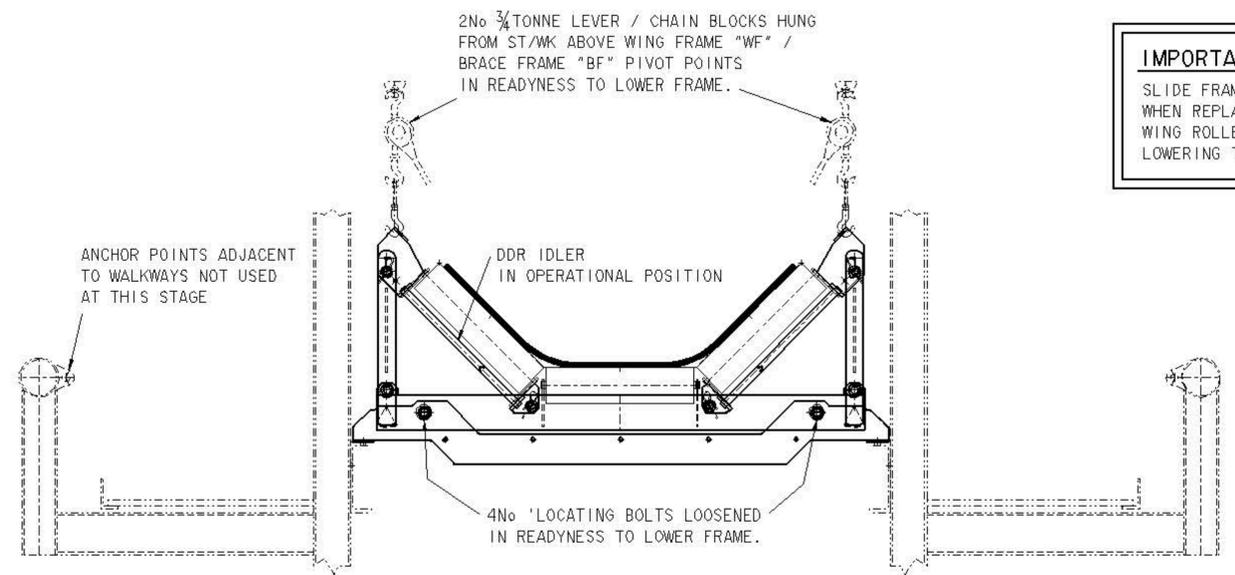


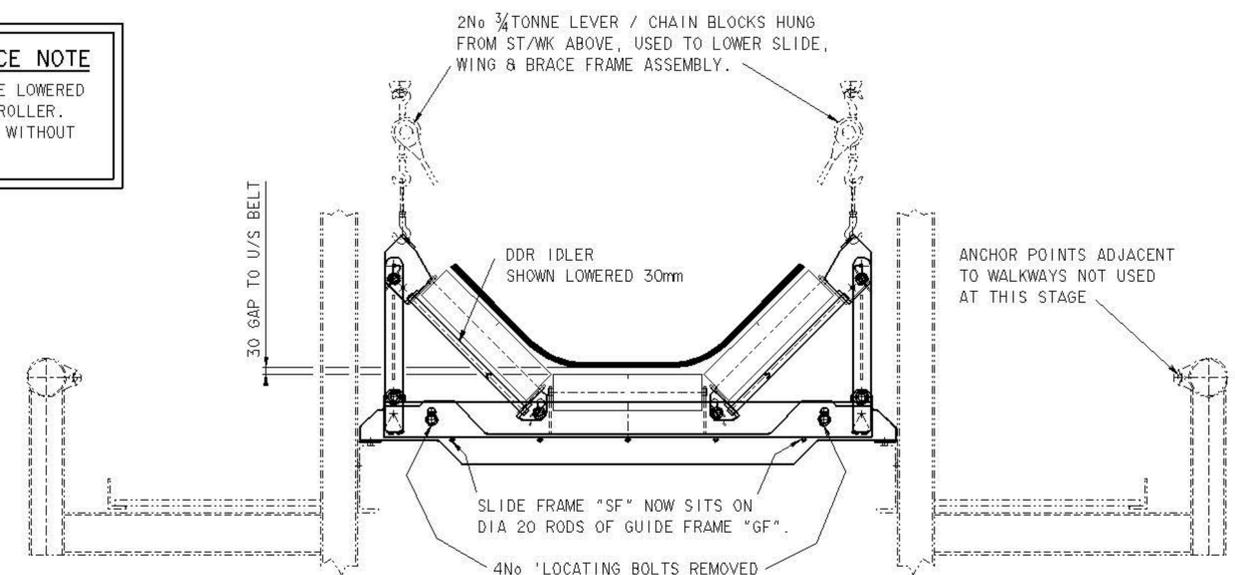


H & B DRAWING No:-
DDRI-1800-1-A3
1800 x 45 DEG 3 - ROLL

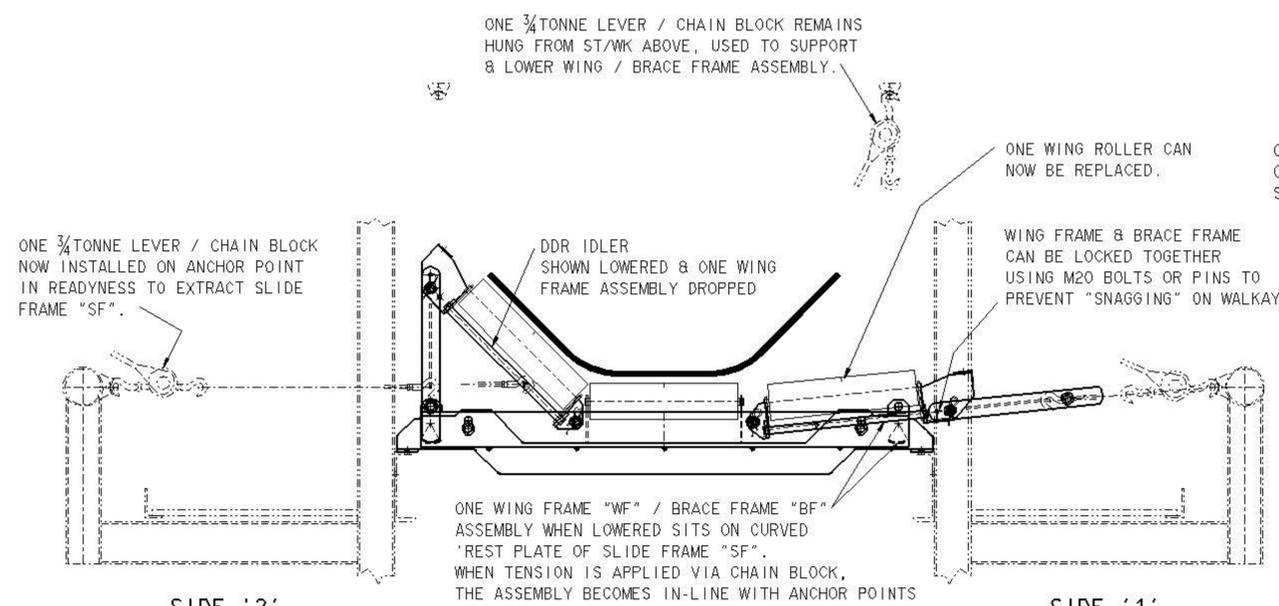
IMPORTANT MAINTENANCE NOTE
SLIDE FRAME ONLY NEEDS TO BE LOWERED WHEN REPLACING THE CENTRAL ROLLER.
WING ROLLERS CAN BE REMOVED WITHOUT LOWERING THE SLIDE FRAME.



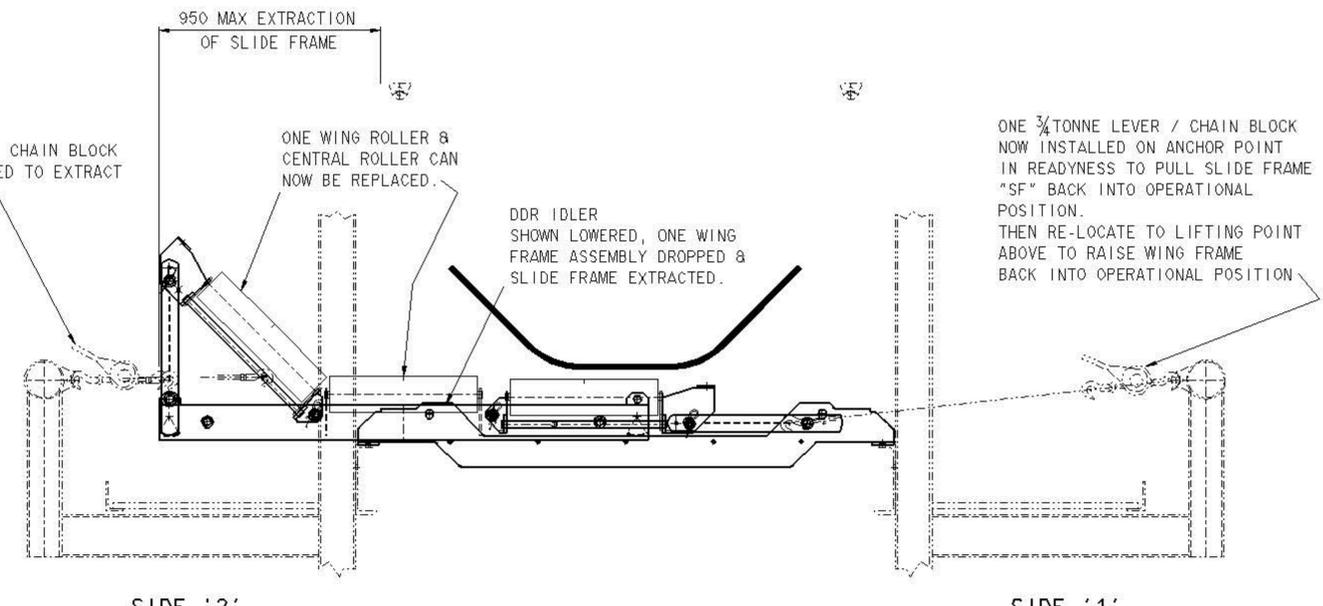
SIDE '2' SIDE '1'
DIAGRAM '1' - DDR IDLER ASSEMBLY IN OPERATIONAL POSITION



SIDE '2' SIDE '1'
DIAGRAM '2' - DDR IDLER ASSEMBLY LOWERED 30mm



SIDE '2' SIDE '1'
DIAGRAM '3' - DDR IDLER ASSEMBLY WING ROLL FRAME LOWERED



SIDE '2' SIDE '1'
DIAGRAM '4' - DDR IDLER ASSEMBLY SLIDE FRAME EXTRACTED

THIS DRAWING TO BE READ IN-CONJUNCTION WITH :-
INSTALLATION G.A. SHT 2 DRG "DDRI-1800-1-A2"

DDRI-1800-1-A2 DDR IDLER - 1800x45' BELT INSTALL G.A. SHT 2	D	GB	FEB 12	DRAWING ADOPTED FOR P/N 9899	EH	GB
REVISIONS						
REV BY	DATE	DESCRIPTION	CHK	APP	REV BY	DATE

REVISIONS						
REV BY	DATE	DESCRIPTION	CHK	APP	REV BY	DATE

DRAWN	G.BRAITHWAITE	FEB 2012
TRACED		
CHECKED	E.HODGKINSON	FEB 2012
BUILT DRAFT		
PROJ ENGR	GLENN STAGG	
APPROVED		
APP FOR CONST.		

Rio Tinto

CAPE LAMBERT - PORT B EXPANSION -
GENERAL EQUIPMENT -
DROP DOWN RETRACTABLE IDLER (DDRI) -
1800 x 45' BELT - OPERATION G.A. SHT 3

SCALE 1:10

DRAWING NUMBER
DDRI-1800-1-A3

PROJECT NUMBER P/N 9899

THIRD ANGLE PROJECTION



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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 Retractable Idler

The H and B Mining conveyor idlers are designed to facilitate & simplify the removal/replacement of worn or damaged idler rollers whilst the units remain in an “Insitu” location under skirted or difficult access areas on conveyor systems.

The H and B Drop Down Retractable Idler is designed for use on a conventional conveyor system arrangement of a single row of rollers and incorporates a retractable capability which improves access to the central idler roller, enabling easy maintenance. They are manufactured to facilitate site standard impact or carry idler rollers or any other nominated rollers used by the Australian mining industry.

The Drop Down Retractable Idler allows for replacement of the wing rollers alone (Procedure A) or the central roller and one or both of the Wing rollers (Procedure B). Idler Rollers are replaced by using standard ¾ tonne lever/chain blocks or similar to raise, lower & retract the frame components as required.