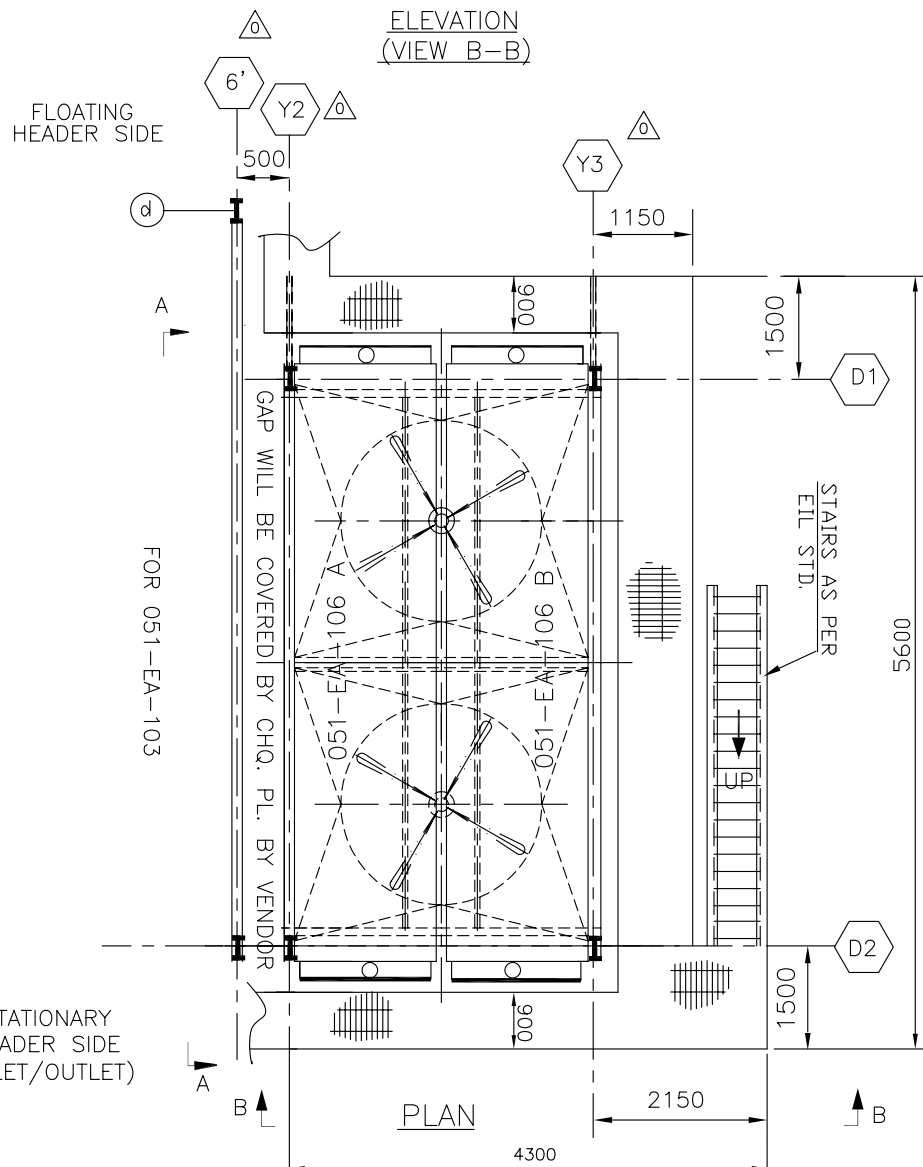




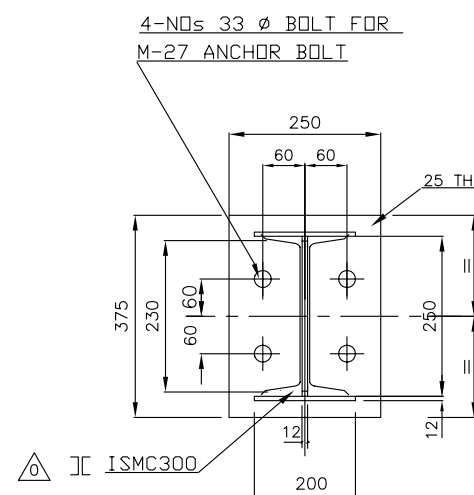
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- * 2. BY VENDOR
- ** 3. TO BE CONFIRMED BY VENDOR
4. PIPING LOADS ON NOZZLES SHALL BE TWO TIMES THAT OF API 661.
5. FAN MAINTENANCE PLATFORM BY AIRCOOLER VENDOR WITH SUITABLE APPROACH FROM TOP PLATFORM.(WALKWAY PLATFORM)
6. BRACING SHALL BE PROVIDED BY AIR COOLER VENDOR AND SHALL BE DESIGNED AND SO ARRANGE TO CLEAR MONORAIL.
- * 7. AIR COOLER VENDOR TO DEVELOP THE DIRECT MOUNTED FAN WITH MOTOR BY SUITABLE SHAFT COUPLING/BEARING ARRANGEMENT.
- * 8. THE DETAIL OF SHAFT AND BEARING ARRANGEMENT TO BE FURNISHED FOR INDUCED DRAFT FAN INDICATED, ALONG WITH DEVELOPMENT DETAILS & CALCULATION FOR EIL APPROVAL.
9. 50% OF FANS IN A BAY SHALL BE PROVIDED WITH AUTO VARIABLE PITCH CONTROL.
10. FANS TO TRIP AT HIGH VIBRATION. FANS TO BE PROVIDED WITH VIBRATION SWITCH/ALARM. START & STOP PUSH BUTTON TO BE PROVIDED AT OPERATING PLATFORMS. STOP PUSH BOTTON TO BE PROVIDED AT GRADE LEVEL ALSO. VENDOR TO PROVIDE CONTACT SIGNAL FOR ALARM/TRIPPING IN DCS/CONTROL PANEL.
11. AIR COOLER ALONG WITH FANS/MOTORS TO BE SUITABLE FOR MINAMBIENT TEMPERATURE OF 1 DEG. C.
12. 1440 RPM IS INDICATIVE ONLY. VENDOR TO SPECIFY THE ACTUAL REQUIRED SPEED.

FAN DIA	4 FEET
TYPE	MANUALLY ADJUSTABLE/AUTO VARIABLE PITCH
Nos. REQD.	TWO (ONE+ONE)
MAKE	MOORE,COFIMCO OR HUDSON

TYPE	TEFC AC, 1440 RPM (NOTE-12) , 415V, 3 PHASE, 50 CYCLE.
H. P. **	5.5 EACH
Nos. REQD:	TWO

	TWO SETS (DIRECT MOUNTED) (NOTE-7)
--	---------------------------------------

NOZZLE MARK	NOM SIZE	ASME CLASS	TYPE	PIPE SCH.	FLANGE FACE	SERVICE	REMARKS
N1 A/B	1.5"	300	WNRF	XXS	@	INLETS	
N2 A/B	1.5"	300	WNRF	XXS	@	OUTLETS	



VIEW C-C

 ENGINEERS INDIA LIMITED KOLKATA			CLIENT: BPCL ASSAM	0	26.05.10	ISSUED FOR PURCHASE	AR	PB/BVK	AKG	SETTING PLAN FOR ITEM NO. 051-EA-106 A/B	DRAWING NO.	REV.
			UNIT : GSU LAKWA	A	22.10.09	ISSUED FOR BIDS	BVK	PB	AKG		6907-051-16-46-3032	0
	DWG. NO.	REF. DRAWING		NO.	DATE	REVISION	BY	CH	APPD		SHT 1 OF 3	

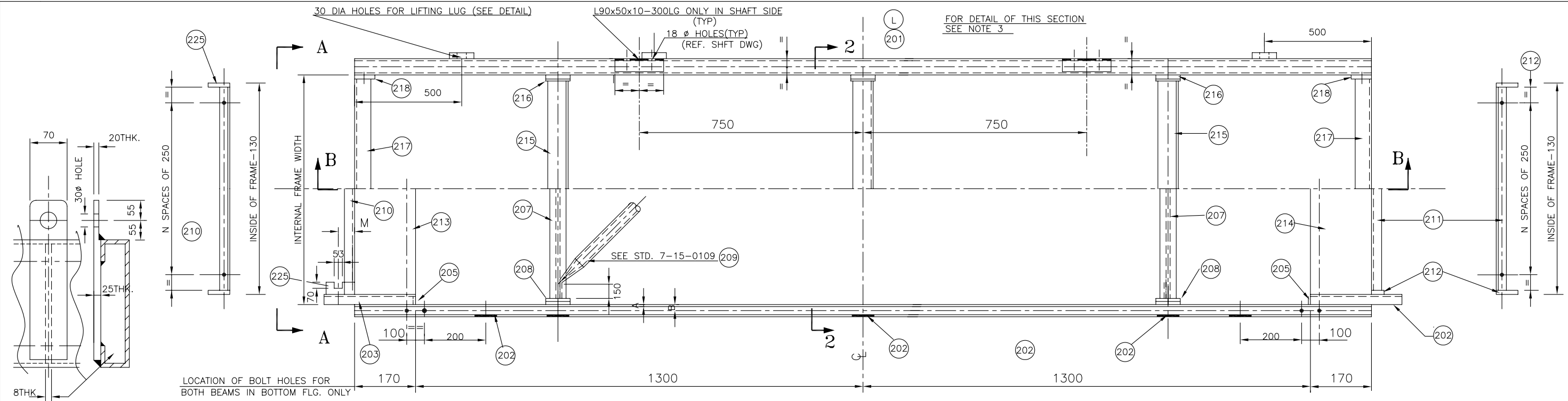


DRAWING NO.	REV.
6907-051-16-46-3032 SHT 2 OF 3	0

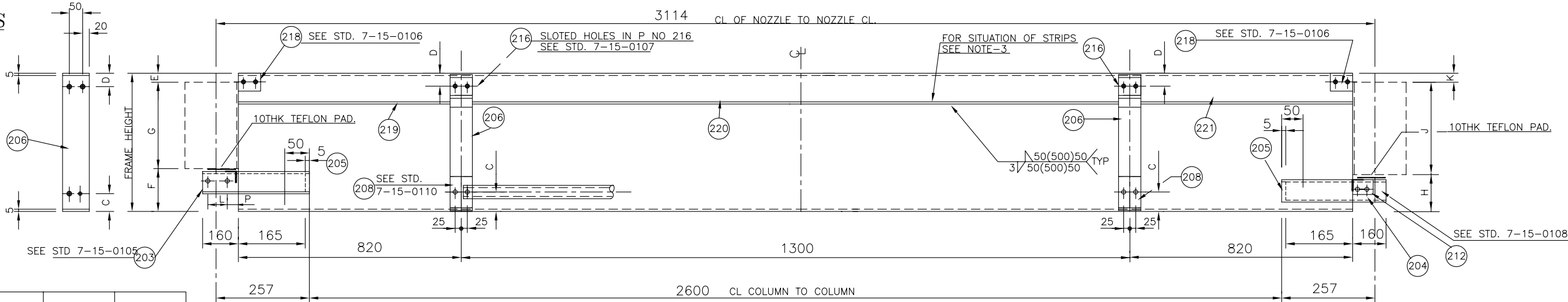
NO. OF BUNDLES REQD. = TWO

This drawing and the design it covers are the property of ENGINEERS INDIA LIMITED. They are merely loaned and on the borrower's express agreement that they will not be reproduced, copied, loaned, exhibited, not used except in the limited way and private use permitted by any written consent given by the lender to the borrower.

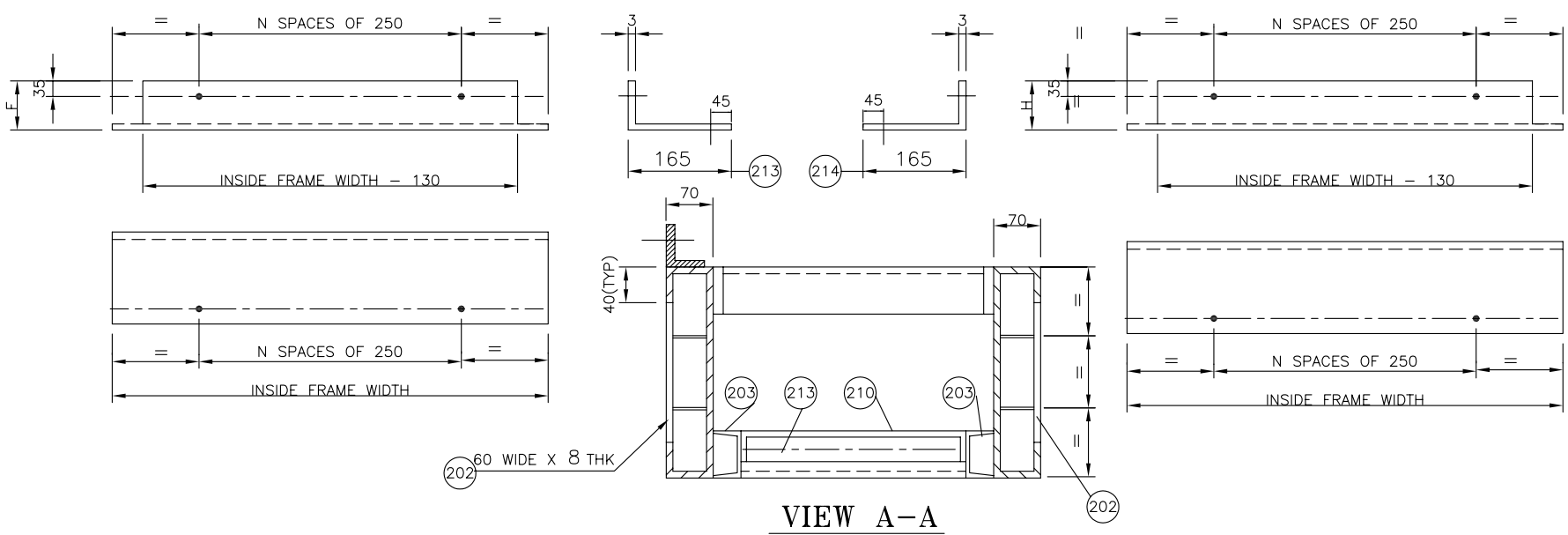
EIL-505, A3-297X420



DETAIL OF LIFTING LUGS



INT. FRAME WIDTH	+3 -0	726		
FRAME HIGHT		498		
FRAME THK	A	8		
	B	35		
	C	88		
	D	63.5		
	E	93		
	F	140		
	G	265		
	H	144		
	J	257		
	K	97		
	L	80		
	M	87		
	N	1		
	P	40		
NO OF TUBE SUPP.		2		
NO OF HALF PIPE SUPP.		160		
NO OF FRAMES REQD.		TWO		
FRAME WEIGHT (KG)		~1200	(EACH)	



1. Holes for M12 bolts.
2. Holes for M16 bolts.
3. For sec 2-2 see std. 7-15-0121.
4. Frame to be lifted with spreader beams.
5. Angles P. NO. 210 & 211 shall be cut to clear nozzles if interfer.
6. All parts shall be hot dip galvanised.
7. Matl. of const. CS structural quality (IS 2062)
8. All dimensions are in mm unless otherwise stated.
9. Air seals shall be designed to minimise air leakage.

 ENGINEERS INDIA LTD KOLKATA	BCPL-ASSAM	GSU LAKWA	0	26.05.10	ISSUED FOR PURCHASE	AR	PB/BVK	AKG	TUBE BUNDLE FRAME	DRAWING NO.	REV.
	CLIENT	UNIT	A	22.10.09	ISSUED FOR BIDS	BVK	PB	AKG		FOR ITEM NO. 051-EA-106 A/B	6907-051-16-46-3032
			NO.	DATE	REVISION	BY	CH	APPD	SHT 3 OF 3		