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EIL – 505A3 – 297X420



ENGINEERS INDIA LTD.
KOLKATA

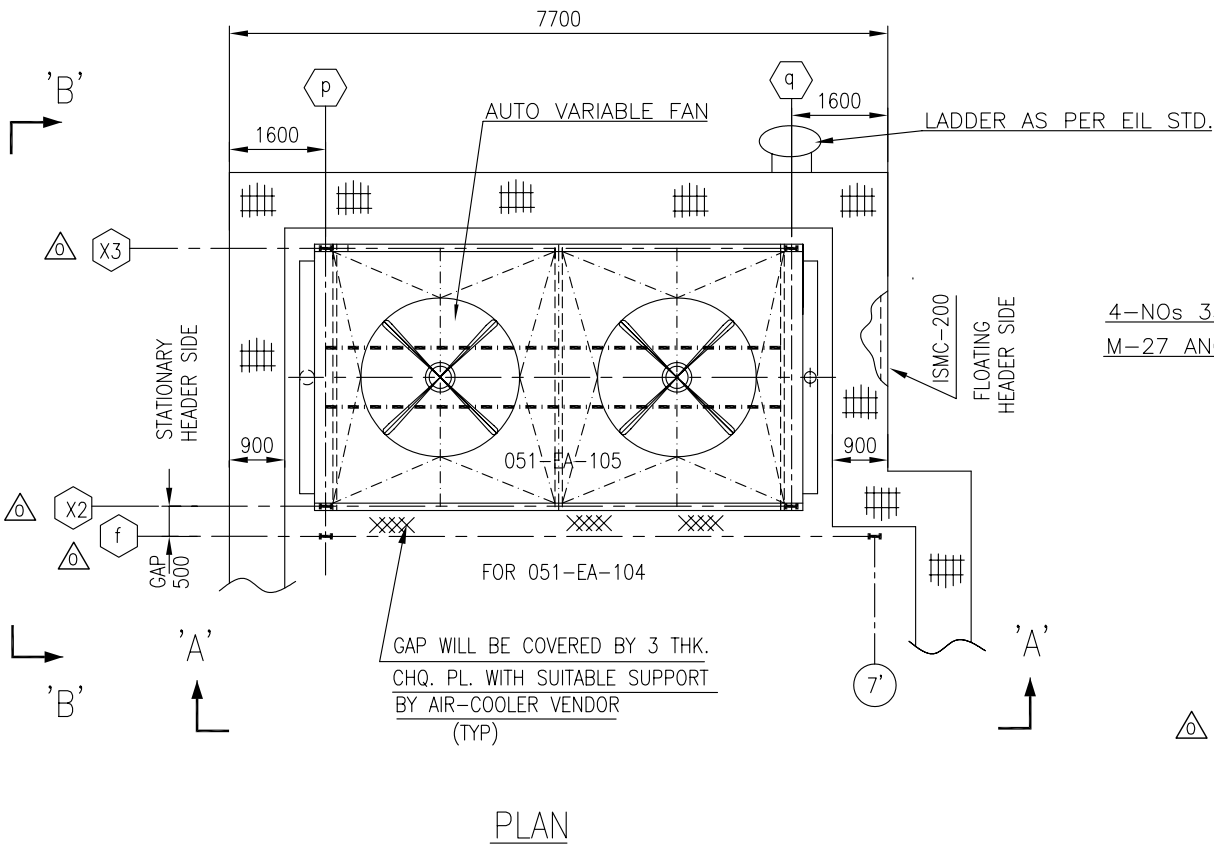
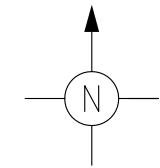
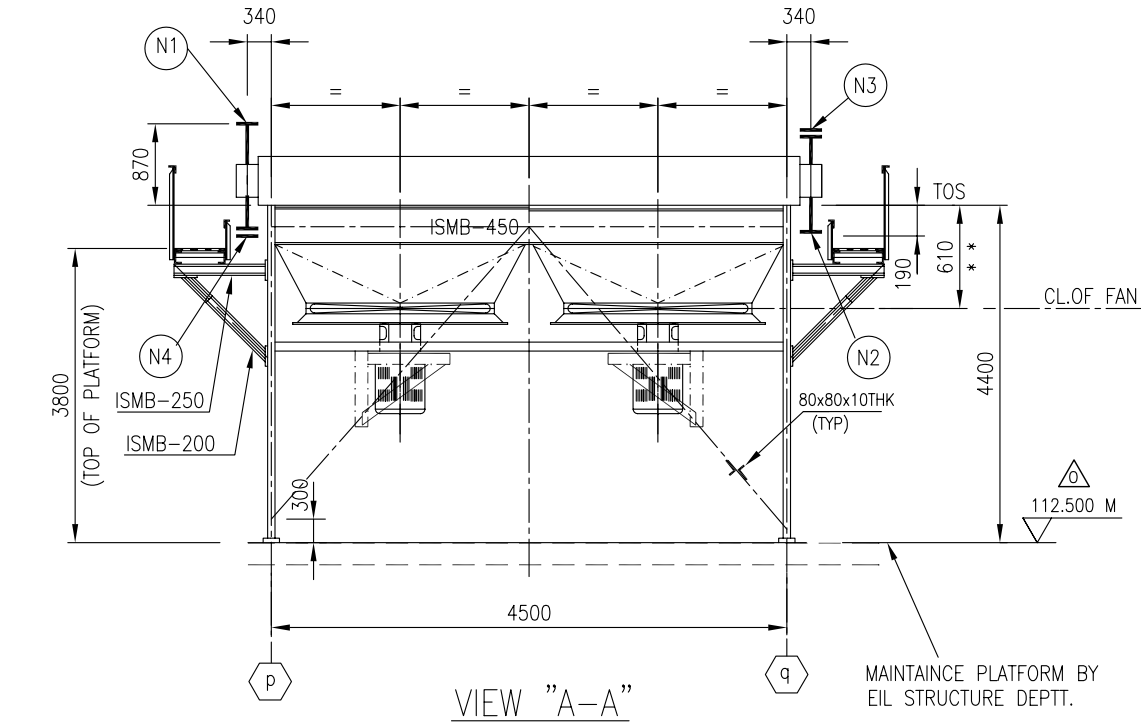
DWG. NO.	REF. DRAWING

CLIENT: BCPL ASSAM
UNIT: GSU LAKWA

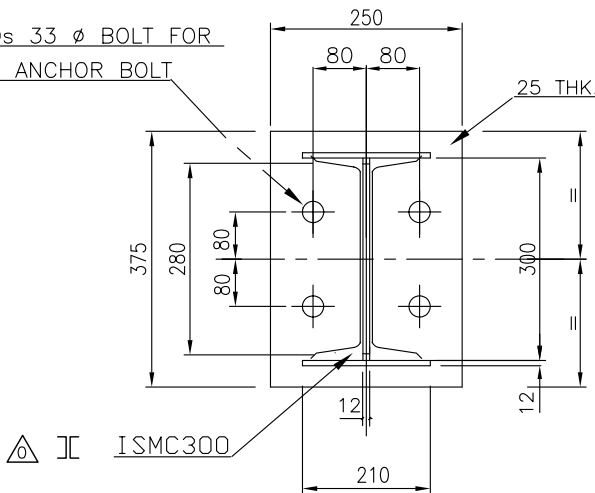
0	26.05.10	ISSUED FOR PURCHASE	AR	PB/BVK	AKG	
A	22.10.09	ISSUED FOR BIDS	BVK	PB	AKG	
NO.	DATE	REVISION	BY	CH	APPD	

SETTING PLAN
FOR ITEM NO. 051-EA-105

DRAWING NO.	REV.
6907-051-16-46-3031 SHT 1 OF 3	0

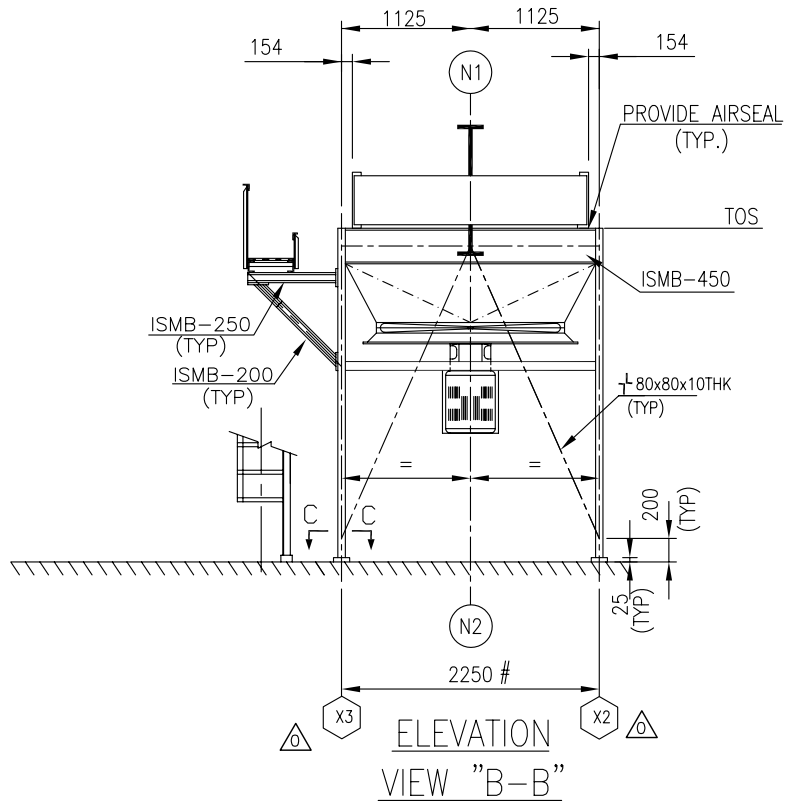


4-NOS 33 Ø BOLT FOR
M-27 ANCHOR BOLT



VIEW C-C

@ SMOOTH FINISH TO 125 AARH
SERVICE :- SWEET GAS COOLER



NOTES:-

1. ALL DIMENSION ARE IN MM. UNLESS OTHERWISE STATED.
- ** 2. TO BE CONFIRMED BY VENDOR.
- * 3. BY VENDOR.
- ~~4. DIMENSIONS BASED ON 154 mm. CLEARANCE BETWEEN HEADER TO BE CONFIRMED BY EIL PIPING DEPT.~~
5. STRUCTURALS SHALL BE DESIGNED TAKING CARE OF 3 TIMES API NOZZLE LOADS.
6. AIR COOLER SUPPORTING STRUCTURE SHALL BE DESIGNED TO TAKE CARE OF FUTURE PROVISION ROOF ABOVE THE TUBE BUNDLE.
7. 50% OF FANS IN A SECTION SHALL BE PROVIDED AUTO VARIABLE PITCH CONTROL.
8. 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.
9. AIR COOLER ALONG WITH FANS/MOTORS TO BE SUITABLE FOR MIN.AMBIENT TEMPERATURE OF 1 DEG. C.
- ~~10. 1440 RPM IS INDICATIVE ONLY. VENDOR TO SPECIFY THE ACTUAL REQUIRED SPEED.~~

FAN DATA

FAN DIA	5 FEET
TYPE	MANUALLY ADJUSTABLE/AUTO VARIABLE PITCH CONTROL
NOS. REQD.	TWO(ONE+ONE) NOTE-7
MAKE	COFIMCO / HUDSON/MOORE

MOTOR DATA

TYPE	TEFC AC, 1440 RPM (NOTE-10), 415V, 3 PHASE, 50 CYCLE
H.P.	** 5.5 EACH
NOS. REQD.	TWO

DRIVE

	DIRECT MOUNTED (SHOULD BE DEVELOPED BY AIR COOLER VENDOR)
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LOUVRE

NOS. REQD.	-
MAKE	-

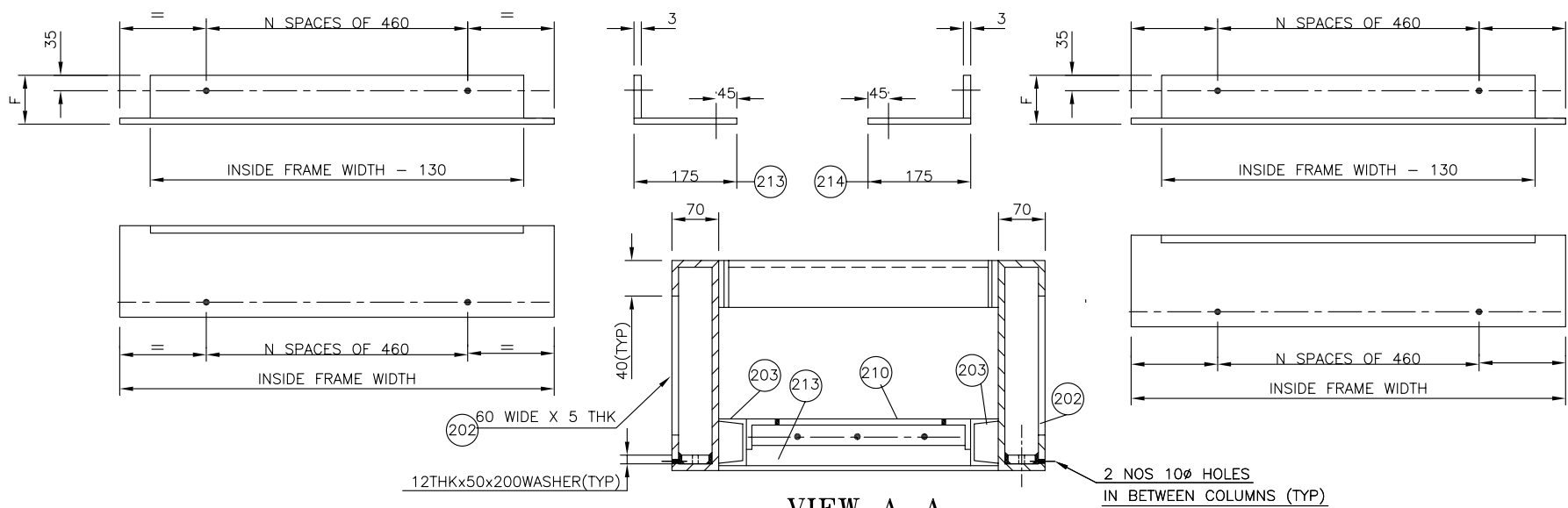
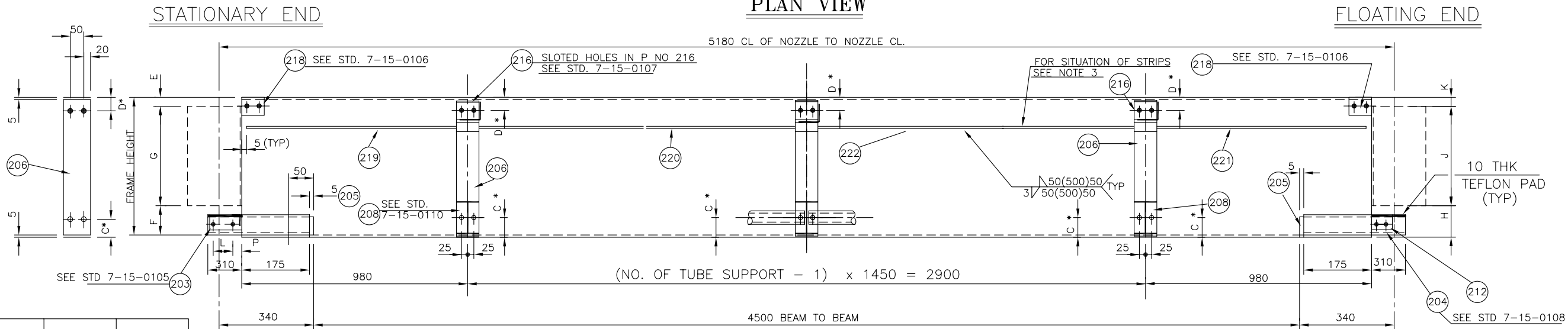
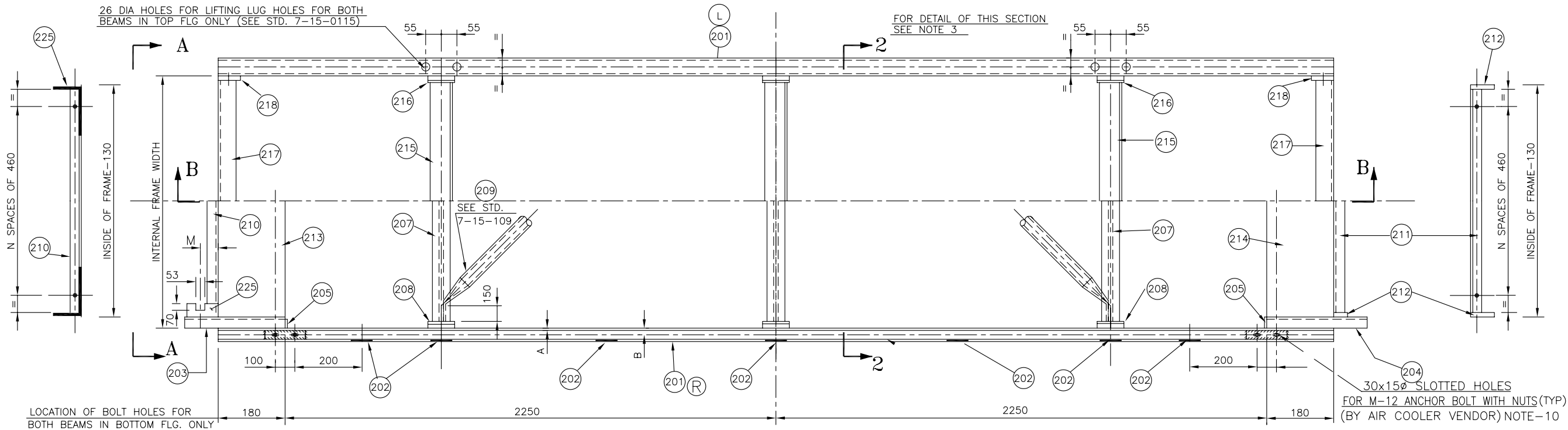
NOZZLE SCHEDULE

NOZZLE MARK	NOM SIZE	ANSI CLASS	TYPE	PIPE SCH.	FLANGE FACE	SERVICE	REMARKS
N1	10"	600 #	WNRF	120	@	INLETS	-
N2	10"	600 #	WNRF	120	@	OUTLETS	-



REV

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F-0540-187 REVISION-1



- NOTES:-
1. IS HOLES FOR M12 BOLTS.
 2. IS 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 THEY INTERFERE.
 6. ALL PARTS SHALL BE HOT DIP GALVANISED.
 7. MATL. OF CONST. CS STRUCTURAL QUALITY (IS 2062, MIN. UTS OF 42 Kg/mm2)
 8. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 9. AIR SEALS SHALL BE DESIGNED TO MINIMISE AIR LEAKAGE.
 10. MATL. OF ANCHOR BOLTS/NUTS(STRUCTURAL BOLTING) IS-1367 CL.4.6/4
 11. VENDOR WILL DEVELOP THE DIM C & D AS PER SLOPE.

INT. FRAME WIDTH	1802		
FRAME HEIGHT	582		
FRAME THK	A	8	
	B	35	
	C*	SEE NOTE-10	
	D*	SEE NOTE-10	
	E	49	
	F	190	
	G	343	
	H	140	
	J	343	
	K	99	
	L	230	
	M	160	
	N	3	
	P	40	
NO OF TUBE SUPP.	3		
NO OF HALF PIPE SUPP.	624		
FRAME WEIGHT (KG)	~1800	EACH	
NO OF FRAMES REQD.	ONE		

	ENGINEERS INDIA LIMITED KOLKATA	BCPL	GSU, LAKWA	0	26.05.10	ISSUED FOR PURCHASE	AR	PB/BVK	AKG	TUBE BUNDLE FRAME DETAIL FOR ITEM NO. 051-EA-105	DRAWING NO. 6907-051-16-46-3031 SHT 3 OF 3	REV. 0
				A	22.10.09	ISSUED FOR BIDS	BVK	PB	AKG			
				NO.	DATE	REVISION	BY	CH	APPD			