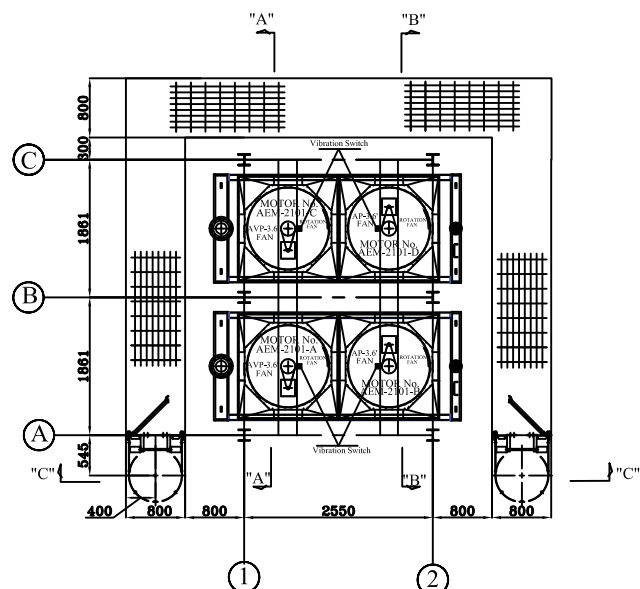




PEDESTAL (BY OTHERS)

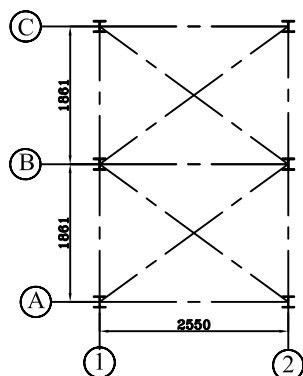
300

EXPANSION BOLT M16

EXPANSION BOLT M16

DETAIL "A"

The image contains two technical drawings. The left drawing, titled "EARTH LUG DETAIL ON A1- C2", shows a cross-section of a vertical post (TH6x16) passing through a base plate. The base plate has a thickness of 25mm and a width of 200mm. A hole with a diameter of 12mm (HOLE Ø12) is shown in the base plate. The distance from the top of the base plate to the center of the hole is 25mm. The distance from the bottom of the base plate to the center of the hole is 150mm. The distance from the center of the hole to the center of the post is 50mm. The right drawing, titled "BASE PLATE DETAIL (TYP.)", shows a top view of the base plate. It is a square plate with a side length of 320mm. It has four holes with a diameter of 27mm (4 HOLES Ø27) arranged in a square pattern. The distance between the centers of the holes is 210mm. The distance from the center of each hole to the nearest edge of the plate is 55mm. The plate is labeled "PLATE 25mm ST37-2" and "HEA 160". It is also labeled "FOR SETTING BOLT M24 A307" and "Earth lug".



MOBILE MOTOR ACCESS PLATFORME

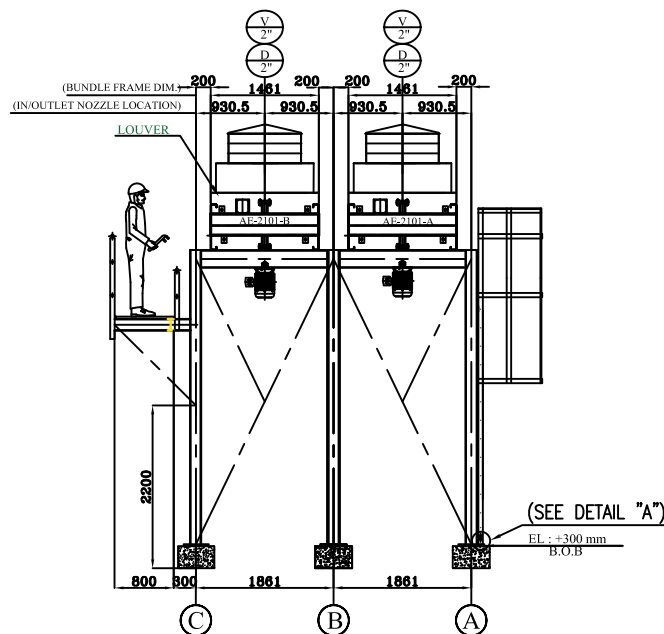


Diagram illustrating the elevation of the main structure, showing dimensions and stationing.

Dimensions:

- Overall width: 3172
- Width of central section: 1437
- Width of side sections: 311
- Height of central section: 556
- Height of side sections: 556

Stationing:

- Left side: F.O.F. 4753 ±5, T.O.S. 4000, F.O.F. 3904 ±5, T.O.G. 3100, T.O.S. 3070
- Right side: F.O.F. 4045 ±5, T.O.S. 4000

Structural Details:

- Central section: AE-2101-A/B
- Stationing: 1, 2
- Labels: STATIONARY HEADER FIXED, FLOATING HEADER SLIDER, LOUVER

FIRE PROOFING DETAIL
FOR COLUMNS & BEAM

FIRE PROOFING DETAIL
FOR BEAMS

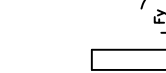
VOC	FEB.2024	IFI	MC	M.FAKHRIAN	S.PARMARZPOR				
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT			
PROJECT NAME:						BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS & GAS-CONDENSATE PIPELINES			
PROJECT NO.:				971020					
EPC CONTRACTOR:				EPD/EPC CONTRACTOR (GC):					
  HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES				 PETROIRAN DEVELOPMENT COMPANY					
DRAWING TITLE:									
General Arrangement Drawings									
SCALE	SIZE	DRAWING NO.				SHEET NO.	REF.		
NC	A3	BK-GCS-AA-120-ME-DW--0001				1 OF 4	VO		

VENDOR LOGO:

AAC

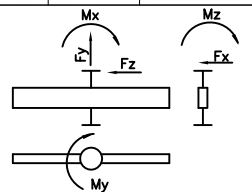
Project No: 17208

NOZZLE DATA							
MARK	QTY.	SIZE	FLANGE			SCH/THK	SERVICE
			RATING	FACE	TYPE		
کامنت های صف					ANSI B16.5 W.N.	80S	INLET
					ANSI B16.5 W.N.	80S	OUTLET
					ANSI B16.5 L.W.N.	14.25	TI (WITH BLIND)
PI	2	3/4"	300#	RF/SMOOTH	ANSI B16.5 L.W.N.	14.3	PI (WITH BLIND)
V	1	2"	300#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	VENT (WITH BLIND)
D	1	2"	300#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	DRAIN (WITH BLIND)



Max. Allowable Nozzle Loads (api 661)

NOZZLE	FORCES (N)			Moments (N.M)		
	Fx	Fy	Fz	Mx	My	Mz
N1	4000	5030	5030	2140	3050	1630
N2	4000	5030	5030	2140	3050	1630



Max. Allowable Nozzle Loads (api 661)

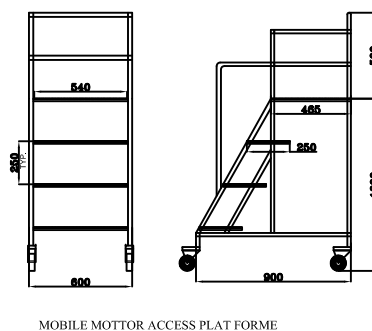
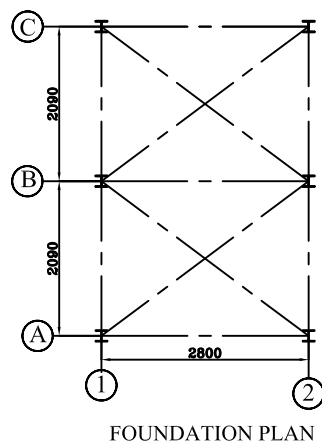
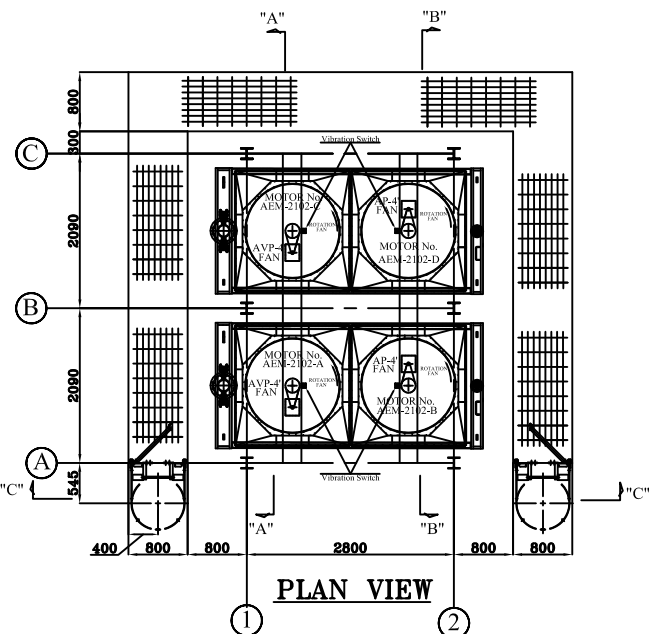
NOTES

1. ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETER.
2. ALL ELEVATIONS ARE IN MILLIMETER.
3. DESIGNED PER API-661 SEVENTH ED. 2013 AND ASME SEC. VIII, Div. I Ed.2017.
OVERALL TOLERANCES PER API-661, FIG.10 AND APPLICABLE SPECIFICATION.
4. SURFACE PROTECTION : PAINTING ACCORDING TO BK-GCS-AA-120-QC-PR-0003
5. BUNDLE ARE FITTED WITH SLIDING PAD AND INLET HEADERS ARE FIXED IN FINITUBE DIRECTION.
6. MECHANICAL EQUIPMENT : FAN-MANUALLY ADJUSTABLE BLADE PITCH (AP) 50%
 AUTO VARIABLE ADJUSTABLE PITCH (AVP) 50%
 SPEED REDUCER V Belts
7. FAN BLADE ANGLES: ACCORDING TO FAN DATA SHEET BK-GCS-AA-120-ME-DS-0001
8. TRANSPORTATION BOLTS SHALL BE REMOVED AFTER INSTALLATION.
9. ABBREVIATIONS: T.O.S. : Top Of Steel B.O.B. Pl.: Bottom of Base Plate
 T.O.G. : Top Of Grating F.O.F. : Face Of Flange
 C.O.F. : Center Of Flange

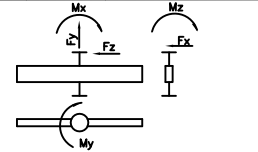
REFERENCE DRAWING	DRG. No.
Process Data Sheet for AE-2101 (A/B/C)	BK-GCS-AA-120-PR-DS-0001
Bundle Frame Drawing	
Fan Data Sheets	BK-GCS-AA-120-ME-DS-0001
Steel Structure Calculation Books	BK-GCS-AA-120-ST-CN-0001
Motor Data Sheets	BK-GCS-AA-120-EL-DS-0001

KEY PLAN

[illegible]



NOZZLE DATA							
MARK	QTY.	SIZE	FLANGE			SCH/THK	SERVICE
			RATING	FACE	TYPE		
N1	1	6"	600#	RF/SMOOTH	ANSI B16.5 W.N.	80S	INLET
N2	1	6"	600#	RF/SMOOTH	ANSI B16.5 W.N.	80S	OUTLET
T1	2	1"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	14.3	T1 (WITH BLIND)
PI	2	3/4"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	14.5	PI (WITH BLIND)
V	1	2"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	VENT (WITH BLIND)
D	1	2"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	DRAIN (WITH BLIND)

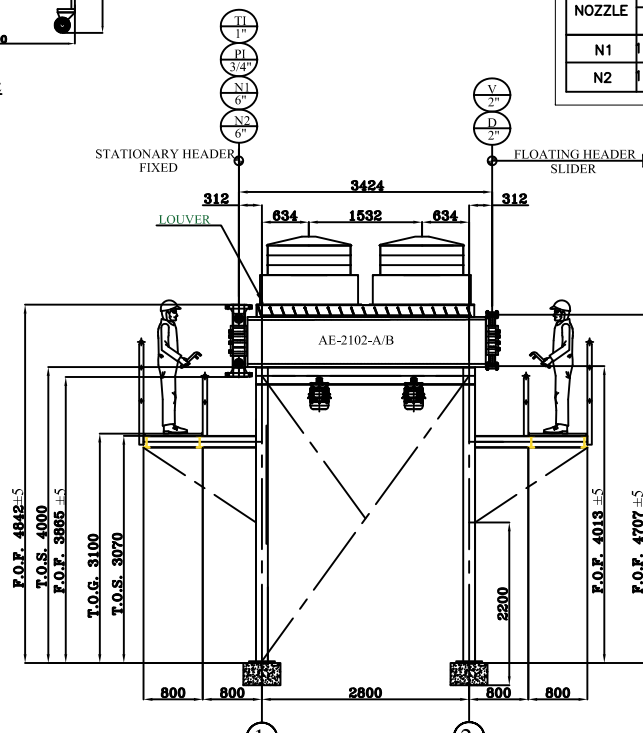
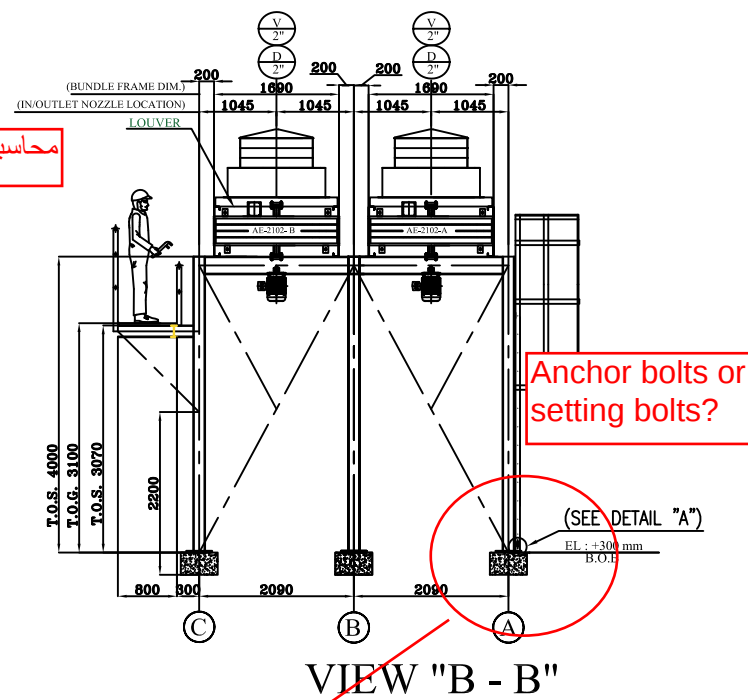
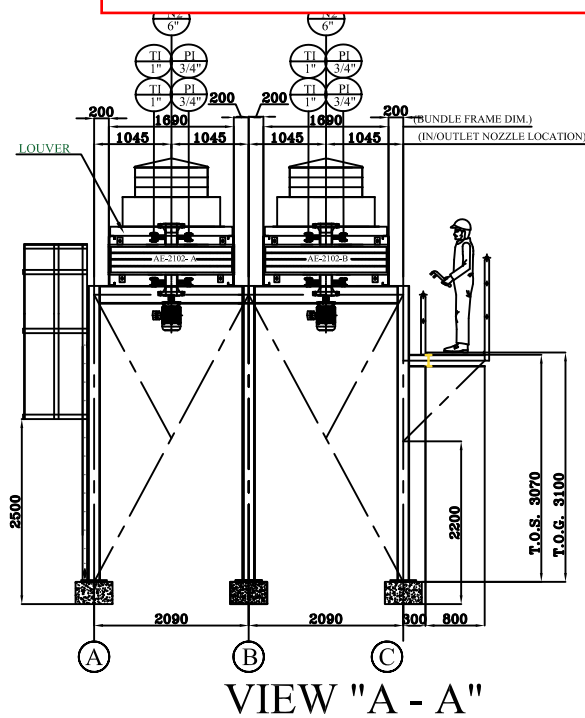


NOZZLE	FORCES (N)			Moments (N.M)		
	Fx	Fy	Fz	Mx	My	Mz
N1	12000	15090	15090	6420	9150	4890
N2	12000	15090	15090	6420	9150	4890

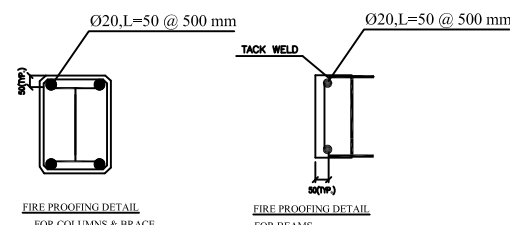
NOTES	
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3.	DESIGNED PER API-661 SEVENTH ED. 2013 AND ASME SEC. VIII, DIV. 1,Ed.2017. OVERALL TOLERANCES PER API-661, FIG.10 AND APPLICABLE SPECIFICATION.
4.	SURFACE PROTECTION : PAINTING ACCORDING TO BK-GCS-AA-120-QC-PR-0003
5.	BUNDLE ARE FITTED WITH SLIDING PAD AND INLET HEADERS ARE FIXED IN FINITUBE DIRECTION.
6.	MECHANICAL EQUIPMENT : FAN-MANUALLY ADJUSTABLE BLADE PITCH (AP) 50% AUTO VARIABLE ADJUSTABLE BLADE PITCH (AVP) 50% SPEED REDUCER V 3&4
7.	FAN BLADE ANGLES: ACCORDING TO FAN DATA SHEET: BK-GCS-AA-120-ME-DS-0001
8.	TRANSPORTATION BOLTS SHALL BE REMOVED AFTER INSTALLATION.

T.O.S. : Top Of Steel B.O.B. PL.: Bottom of Base Plate
T.O.G. : Top Of Grating F.O.F. : Face Of Flange
C.O.F. : Center Of Flange

محاسبات استراکچر فلزی و اتصالات و بیس یلیت ها ارائه شود



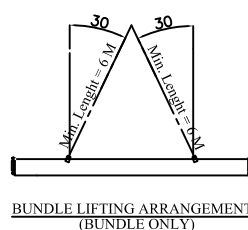
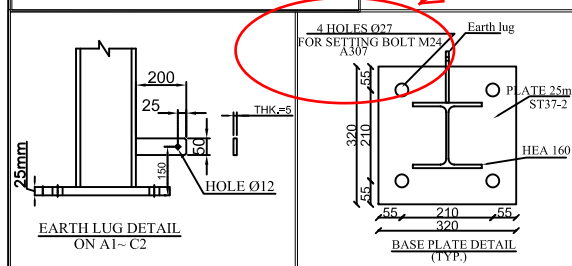
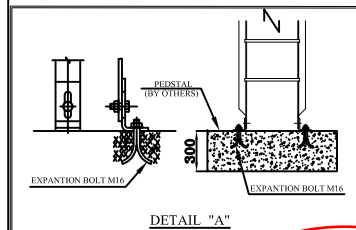
لطفاً با استاندارد پروژه چک-همخوان گردد. به طور متعارف برای تیر ها فقط بال بالایی (جهت بالا - محل نشیمن پایبند) فاقد فایر بر و فینگ هستند

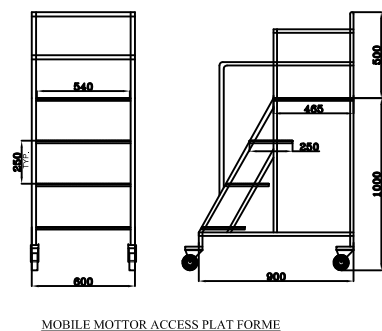
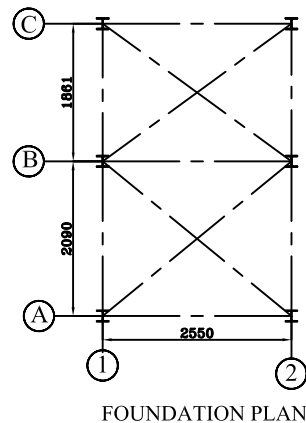


USE Ø20 mm. STEEL BAR SPACER WELDED TO STRUCTURAL STEEL SHAPES LENGTH 50 mm

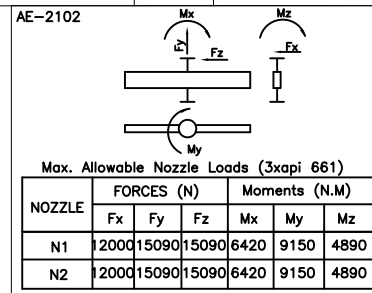
DESIGN DATA TABLE				GENERAL DATA		AE-2102	
WIND DATA		SEISMIC DATA		DRAFT TYPE :		INDUCED	
CODE	ASCE7-10	CODE	ASCE 7-10	NUMBER OF BAY/UNIT		2	
WIND SPEED	34 m/s	ZONE/SOIL TYPE	D <th colspan="2">STRUCTURAL MOUNTING</th> <th colspan="2">Ground</th>	STRUCTURAL MOUNTING		Ground	
EXPOSURE	C	$S_D S_{D1} / R / S_0 S_1$	1.83/0.58/3.5/250.5	TENSION PRESSURE		62.4 N @ 22 (Barg)	
IMPORTANCE FACTOR	1.0 <th>IMPORTANCE FACTOR</th> <td>1.4<th colspan="2">TEST PRESSURE</th><th colspan="2">78 (Barg)</th></td>	IMPORTANCE FACTOR	1.4 <th colspan="2">TEST PRESSURE</th> <th colspan="2">78 (Barg)</th>	TEST PRESSURE		78 (Barg)	
				DESIGN TEMPERATURE		175 °C	
				FLUID NAME		Hydrocarbon	
				TEMPERATURE IN / OUT		147 / 60 °C	
				FOUILLING RESIST.		0.0002 (m2.k/w)	
				MATERIAL OF TUBE		SA-213 TP316L	
				OUTSIDE DIAMETER OF TUBE		25.4 mm	
				Min. Wall Thickness OF TUBE		1.651 mm	
				BUSHNET JOINT TYPE		Expanded+Strength weld	
				TUBES / BUNDLE		EXTRUDED	
				MATERIAL OF FIN		ALUMINIUM ALLOY 1060 - O	
				DIAMETER OF FIN		57.15 mm	
				THICK.		0.48 / 0.48 mm	
						10	
				END SURFACE PER UNIT		47.399 / 988.27 m2	
SIDE FRAME+BUNDLE				TYPE OF HEADER		PLUG	
SIDE FRAME+BUNDLE				MATERIAL OF HEADER		SA-240 TP316L	
SIDE FRAME+BUNDLE				MATERIAL OF TUBES		SA-242 TP316L	
PLENUM+FAN RING				GASKET MATERIAL		Spiral wound / S.S 316 inner ring	
FAN+FAN GUARD / B				CORROSION ALLOWANCE		0 mm	
REDUCTION SYSTEM/BAY		320		FIN SPECIFICATION - RPM / DIAMETER		750 / 4 IT	
MOTOR+MOTOR SUPPORT /BAY		300		FAN ABSORBED POWER		4 (Kw)	
LOUVER/BAY		340		NUMBER OF BLADE/BLADE MATERIAL		5/ALUMINIUM	
TOTAL EQUIPMENT WEIGHT PER BAY(KG)				AIR QUANTITY / FAN		11.266 m3/s	
				STATIC PRESSURE		167.22 Pa	
				AIR TEMPERATURE IN/OUT		50.26 / 62.63 °C	
				Air mass level @ 1m from fan in any direction		< 5 (kg)	
				ELECTRIC MOTOR		E44 HB T3 , JPS5	
				VOLTS / CYCLES / PHASE		400-50/3	
				RPM / MOTOR POWER (Kw)		1500/ 5.5	
				SHEET REDUCER TYPE		V-BELT	
				REDUCTION RATIO		2.13	
				STEAM COIL		NO	
				LOUVER		YES	
				TID CONVERTER		V15 (Zone 2 , IIC, Exia, II 6)	
				RELATION SWITCH/NUMBER		YES - Exia HB T3 , JPS5	
				TID PROOFING		YES	

هیچ اطلاعاتی از بارهای تجزیه و سازه نگهدارنده ارائه نشده است

[illegible]



NOZZLE DATA-AE-2102							
MARK	QTY.	SIZE	FLANGE			SCH/THK	SERVICE
			RATING	FACE	TYPE		
N1	1	6"	600#	RF/SMOOTH	ANSI B16.5 W.N.	80S	INLET
N2	1	6"	600#	RF/SMOOTH	ANSI B16.5 W.N.	80S	OUTLET
TI	2	1"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	14.3	TI (WITH BLIND)
PI	2	3/4"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	14.5	PI (WITH BLIND)
V	1	2"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	VENT (WITH BLIND)
D	1	2"	600#	RF/SMOOTH	ANSI B16.5 L.W.N.	16.6	DRAIN (WITH BLIND)



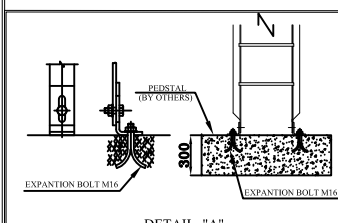
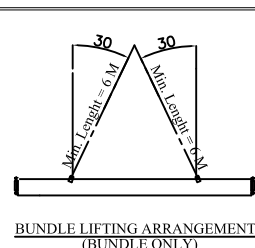
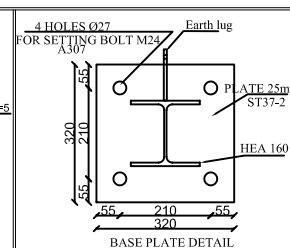
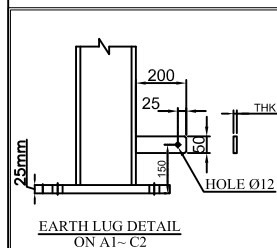
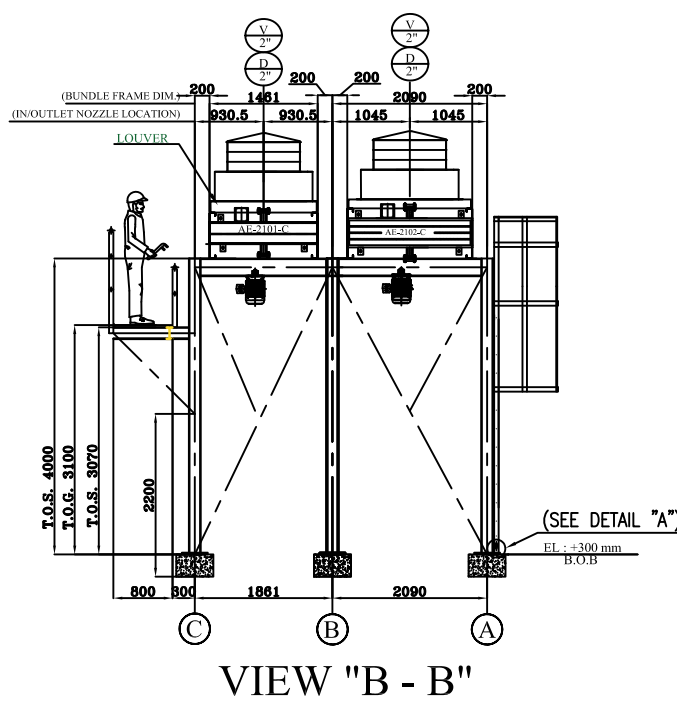
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5. BUNDLE ARE FITTED WITH SLIDING PAD AND INLET HEADERS ARE FIXED IN FINITUBE DIRECTION.
6. MECHANICAL EQUIPMENT :
FAN-MANUALLY ADJUSTABLE BLADE PITCH (AP) 50%
AUTO VARIABLE ADJUSTABLE PITCH (AVP) 50%
SPEED REDUCER V Belts
7. FAN BLADE ANGLES: ACCORDING TO FAN DATA SHEET BK-GCS-AA-120-ME-DS-0001
8. TRANSPORTATION BOLTS SHALL BE REMOVED AFTER INSTALLATION.

T.O.S. : Top Of Steel	B.O.B. Plt: Bottom of Base Plate
T.O.G. : Top Of Grating	F.O.F. : Face Of Flange
C.O.F. : Center Of Flange	

REFERENCE DRAWING	DRG. No.
Process Data Sheet for A-E-2101 (A/B/C)	BK-GCS-AA-120-PR-DS-0002
Bundle Frame Drawing	
Fan Data Sheets	BK-GCS-AA-120-ME-DS-0001
Steel Structure Calculation Books	BK-GCS-AA-120-ST-CN-0001
Motor Data Sheets	BK-GCS-AA-120-EL-DS-0001

KEY PLAN

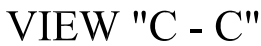


VENDOR LOGO:

AAC

Project No: 17208

[illegible]



AE-2101

Max. Allowable Nozzle Loads (api 661)

NOZZLE	FORCES (N)			Moments (N.M)		
	Fx	Fy	Fz	Mx	My	Mz
N1	4000	5030	5030	2140	3050	1630
N2	4000	5030	5030	2140	3050	1630

[illegible]