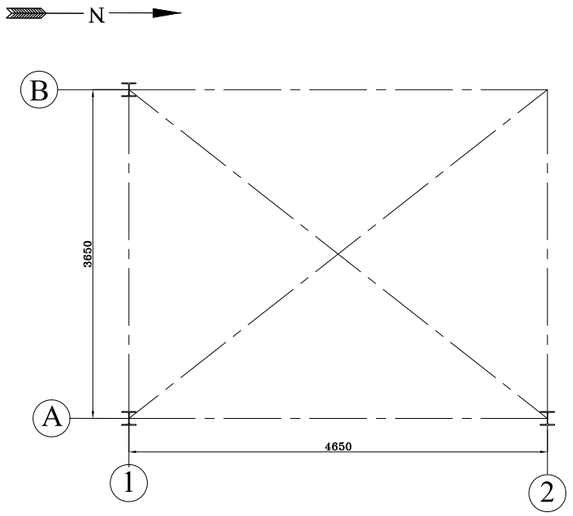

FOUNDATION PLAN

TABLE: Joint Actions				
Joint	OutputCase	FX	FY	FZ
Text	Text	Kgf	Kgf	Kgf
A1	DL	-817	-322	-5426
	EO	-33	-14	-160
	TL	-42	-24	0
	LL	119	101	-3019
	SL	-5	9	-494
	WLXP	302	0	715
	WLYP	0	769	2318
	ELX	2967	-48	6277
	ELY	-9	2828	7896
	DLs	-289	-104	-3294
	ET	-53	-25	-255
	WLXN	-302	0	-715
	WLYN	0	-577	-1738
A2	DL	817	-322	-5404
	EO	33	-14	-160
	TL	42	-24	0
	LL	-118	98	-2909
	SL	5	9	-479
	WLXP	302	0	-715
	WLYP	0	769	2318
	ELX	2968	48	-6277
	ELY	-4	2822	7907
	DLs	289	-105	-3277
	ET	53	-25	-255
	WLXN	-302	0	715
	WLYN	0	-577	-1738
B1	DL	-798	322	-4835
	EO	-25	14	-120
	TL	-35	24	0
	LL	133	-101	-449
	SL	-3	-9	-159
	WLXP	302	0	714
	WLYP	0	769	-2318
	ELX	2640	-81	6127
	ELY	29	2784	-7896
	DLs	-283	104	-2962
	ET	-52	25	-253
	WLXN	-302	0	-714
	WLYN	0	-577	1738
B2	DL	798	322	-4829
	EO	25	14	-120
	TL	35	24	0
	LL	-134	-98	-418
	SL	3	-9	-155
	WLXP	302	0	-714
	WLYP	0	769	-2318
	ELX	2640	81	-6127
	ELY	-16	2782	-7907
	DLs	283	105	-2953
	ET	52	25	-253
	WLXN	-302	0	714
	WLYN	0	-577	1738

NOTES

1. **Operation and Test Load is not contained Dead Load.**
2. **Earth Quake Load is based on ASCE7-10.**
(parameters:SDs=0.83, SD1=0.58)
3. **Wind load is based on ASCE7-10, I=1, V=120 km/hr.**
4. **Snow Load is 50 Kg/m^2**
5. **Thermal Load is assumed 35 C**
6. **Load Case Definition:**

-Dead Load (DLs): Contain weight of steel structure & 20 percent weight of steel structure as structural connection and dead load of walk way.
-Empty Dead Load (DL): The dead load of equipment (bundle dry, plenum, fan ring, fan, fan guard, motor, motor support, reduction system, Fire Proofing).
-Live Load (LL): Live load of walkway and load due to static pressure drop of fan.
-Operation Load (EO): The dead load of equipment (bundle dry, plenum, fan ring, fan, fan guard, motor, motor support, reduction system) and fluid weight that flows in bundles in operation.
-Test Load (ET): The dead load of equipment (bundle dry, plenum, fan ring, fan, fan guard, motor, motor support, reduction system) and Water weight that flows in bundles in hydro test.
-ELx: Effect of earth quake at x- direction.
-ELy: Effect of earth quake at y- direction.
-WLx: Effect of wind load at x- direction.
-WLy: Effect of wind load at y- direction.
-SL: Snow load.
-TL: Thermal load.

7. **According to the Local Axis shown the positive Direction for Z-direction up is positive.**

LEGEND

REFERENCE DRAWING	DRG. No.
General Arrangement Drawings	BK-GCS-AA-120-PR-DS-0002
Steel Structure Calculation Books	BK-GCS-AA-120-ST-CN-0001

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
V00	APR.2024	IFA	AAC	M.FAKHARIAN	S.FARAMARZPOR	

REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS & GAS-CONDENSATE PIPELINES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS CPMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

VENDOR LOGO: AAC
Project No: 17208

DRAWING TITLE: Foundation Drawings

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NC	A3	BK-GCS-AA-120-ST-PI-0002	1 OF 1	V00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION