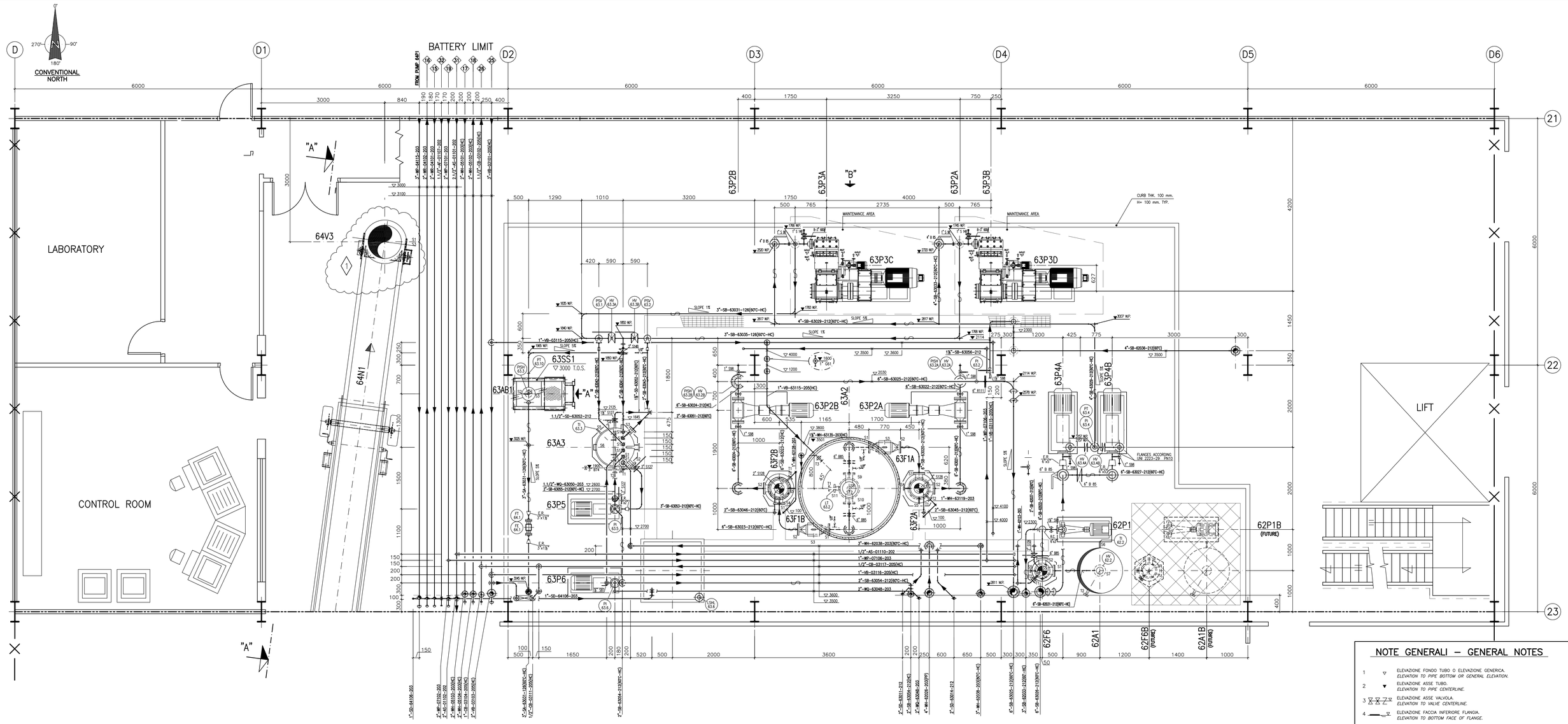


PLAN FROM ▽ 0.00 TO ▽ 4500

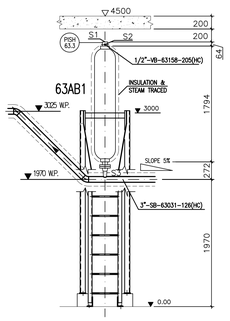
● SUPPLIED WITH COUNTER FLG.–BOLTS AND GASKETS
◐ COMPLETE WITH BLIND FLANGE, BOLTS AND GASKET

NOZZLE CHART

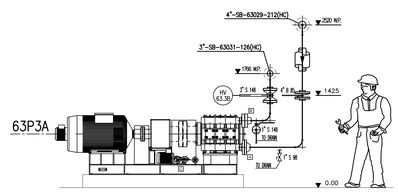
EQUIPMENTS ITEM / FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	COORDINATES ELEV.	ORIENTATION HORIZON. ° 0°=NORTH	ORIENTATION VERTIC. ° 0°=UP 180°=DOWN	NOTES
62A1 ▽ 4600	S6	1" F	ASME B1.20.1 NPT 3000#	700			4075	0°	90°	TI CONNECTION
	S7	6"	R.F. 150#	℄			3543	℄	180°	PRODUCT OUTLET
	T2	1"	S.O.-R.F. 150#	700			3915	210°	90°	CB OUTLET
62F6 ▽ 200	S1	6"	S.O.-R.F. 150#	300			852	90°	90°	PRODUCT INLET
	S2	6"	S.O.-R.F. 150#	300			1402	0°	90°	PRODUCT OUTLET
	S3	2"	ASME 150# RF	℄			637	℄	180°	DRAIN
	S4	1/4"	ASME B1.20.1 NPT 3000#	300			1402	225°	90°	VENT
	S5	1/2"	S.O.-R.F. 150#	300			1402	270°	90°	WP–VB INLET
	T1	1/2"	S.O.-R.F. 150#	300			572	225°	90°	WP–VB INLET
	T2	1"	S.O.-R.F. 150#	300			1217	225°	90°	HW OUTLET
	T3	1/2"	ASME B1.20.1 NPT 3000#	150~			–	180°	90°	FLUXING
	T4	1/2"	ASME B1.20.1 NPT 3000#	150~			–	0°	90°	FLUXING
62P1 ● ● ▽ 200	S	80	PN16	125			515	90°	90°	SUCTION
	D	50	PN16	℄			795	℄	0°	DISCHARGE
63A2 ▽ 6150	S8	300	UNI PN16 2229	℄			3400	℄	180°	SLURRY OUTLET
	S9	6"	S.O.-R.F. 150#	370			3000	0°	90°	SLURRY OUTLET
	S10	6"	S.O.-R.F. 150#	370			3000	180°	90°	SLURRY OUTLET
	S11	3"	S.O.-R.F. 150#	370			3000	270°	90°	LT CONNECTION
	S12	1 1/2"	ANSI 150# F.F.	℄			2690	℄	180°	BOTTOM DISCHARGE
	T1	1 1/2"	S.O.-R.F. 150#	500			3501	270°	90°	WH INLET
	T3	1"	S.O.-R.F. 150#	1050			4051	315°	135°	VB INLET
63A3 ▽ 400	S1	AS DWG.					1700	SEE PLAN	0°	PRODUCT INLET
	S2	3"	S.O.-R.F. 150#	625			550	135°	90°	PRODUCT OUTLET
	S3	2"	S.O.-R.F. 150#	625			1600	45°	90°	OVERFLOW
	S4	1 1/2"	S.O.-R.F. 150#	625			270	0°	90°	DISCHARGE
	S5	1" F	ASME B1.20.1 NPT 3000#	625			550	315°	90°	TI CONNECTION
	S6	–	–				1700	SEE PLAN	0°	INSPECTION DOOR
	S7	–	AS DWG.	SEE PLAN			1700	SEE PLAN	0°	PRODUCT INLET
	T1	3/4"	S.O.-R.F. 150#	625			428	165°	90°	STEAM INLET
	T2	3/4"	S.O.-R.F. 150#	625			428	180°	90°	CONDENSATE OUTLET
63AB1 ▽ 3000	S1	–	AS DWG.	℄			3870	℄	0°	MANOMETER CONN.
	S2	1/2"	ASME B1.20.1 NPT 3000#	115			3830	270°	90°	STEAM INLET
	S3	1 1/2"	AS DWG.	℄			1784	℄	180°	PRODUCT INLET
63F1A ▽ 1010	S1	6"	ANSI R.F. 150#	385			1010	270°	90°	SB INLET
	S2	6"	ANSI R.F. 150#	385			1010	90°	90°	SB OUTLET
	S3	DN50/250	AS DWG.	℄			1210	℄	0°	INSPECTION DOOR
63F1B ▽ 1010	S1	6"	ANSI R.F. 150#	385			1010	90°	90°	SB INLET
	S2	6"	ANSI R.F. 150#	385			1010	270°	90°	SB OUTLET
	S3	DN50/250	AS DWG.	℄			1210	℄	0°	INSPECTION DOOR

NOZZLE CHART

EQUIPMENTS ITEM / FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	COORDINATES ELEV.	ORIENTATION HORIZON. ° 0°=NORTH	ORIENTATION VERTIC. ° 0°=UP 180°=DOWN	NOTES
63F2/A ▽ 200	S1	6"	S.O.-R.F. 150#	380			1010	0°	90°	PRODUCT INLET
	S2	6"	S.O.-R.F. 150#	380			1827	90°	90°	PRODUCT OUTLET
	S3	–	ASME 150# R.F.	℄			725	℄	180°	DRAIN
	S4	1/2"	S.O.-R.F. 150#	380			1812	270°	90°	WP–VB INLET
	S5	1/4"	ASME B1.20.1 NPT 3000#	380			1882	180°	90°	VENT
	T1	1/2"	S.O.-R.F. 150#	380			650	135°	90°	WP/VB INLET
	T2	1"	S.O.-R.F. 150#	380			1632	135°	90°	WP/VB OUTLET
	T3	1/2"	ASME B1.20.1 NPT 3000#	200~			2086	90°	90°	WP INLET
	T4	1/2"	ASME B1.20.1 NPT 3000#	200~			2086	270°	90°	WP OUTLET
63F2/B ▽ 200	S1	6"	S.O.-R.F. 150#	380			1010	180°	90°	PRODUCT INLET
	S2	6"	S.O.-R.F. 150#	380			1827	270°	90°	PRODUCT OUTLET
	S3	2"	ASME 150# R.F.	℄			725	℄	180°	DRAIN
	S4	1/2"	S.O.-R.F. 150#	380			1812	180°	90°	WP–VB INLET
	S5	1/4"	ASME B1.20.1 NPT 3000#	380			1882	90°	90°	VENT
	T1	1/2"	S.O.-R.F. 150#	380			650	45°	90°	WP/VB INLET
	T2	1"	S.O.-R.F. 150#	380			1632	45°	90°	WP/VB OUTLET
	T3	1/2"	ASME B1.20.1 NPT 3000#	200~			2086	90°	90°	WP INLET
	T4	1/2"	ASME B1.20.1 NPT 3000#	200~			2086	270°	90°	WP OUTLET
63P2A/B ● ● ▽ 200	S	150	PN10	275			595	180°	90°	SUCTION
	D	150	PN10	275			595	0°	90°	DISCHARGE
63P3A/B 63P3C/D ▽ 200	A	4"	150#	1148			608	270°	90°	SUCTION
	B	3"	600#	1148			1032	270°	90°	DISCHARGE
	C	1/2"	150#	SEE PLAN			385/920	0°/270°	90°	FLUSHING WATER INLET ECHANGER WATER INLET/OUTLET
	D	ø10	TUBING	SEE PLAN			1050	270°	90°	FLUSHING WATER OUTLET
63P4A/B ● ● ▽ 200	S	125	PN10	128			555	180°	90°	SUCTION
	D	65	PN10	175			765	90°	0°	DISCHARGE
63P5 ● ● ▽ 200	S	50	PN16	80			450	90°	90°	SUCTION
	D	32	PN16	℄			610	℄	0°	DISCHARGE
63P6 ● ● ▽ 200	S	50	PN16	80			450	90°	90°	SUCTION
	D	32	PN16	℄			610	℄	0°	DISCHARGE
64N1 ▽ 0.00	B	500/500	AS DWG.	℄			2595	7°38'~	79°~	PRODUCT OUTLET
64V3 ▽ 2883	S1	700	SB–AT1–PV001	℄			2883	℄	0°	SUCTION
	S2	800/500	AS DWG.	705~			2618	187°30'	45°	CHARGING
	S3	ø505	AS DWG.	℄			800	℄	180°	AIR INLET



VIEW "A"



VIEW "B"

FUTURE

REFERENCE DRAWINGS

DESCRIPTION DRAWINGS	NUMBER DRAWINGS
PLOT PLAN	2F11–20–101
FOUNDATION PLAN	2F11–55–101
KEY–PLAN	2F11–60–100
P.& I. DIAGRAM – SOLID PROPORTIONING – SECTION 62	2F11–10–103 SH.1
P.& I. DIAGRAM – OFF. SPEC. POWDER DISSOLVING/RECOVERING – SECTION 62	2F11–10–103 SH.2
P.& I. DIAGRAM – SLURRY PREPARATION – SECTION 62/63	2F11–10–104 SH.1
P.& I. DIAGRAM – SLURRY HOMOGENIZING AND PUMPING – SECTION 63	2F11–10–104 SH.2
P.& I. DIAGRAM – SPRAY DRYING – SECTION 64	2F11–10–105 SH.1
P.& I. DIAGRAM – ZEOLITE DOSING TO SPRAY–DRYING TOWER – SECTION 64	2F11–10–105 SH.2
P.& I. DIAGRAM – CONTINUOUS POST BLENDING – SECTION 65	2F11–10–106 SH.1
P.& I. DIAGRAM – PACKAGING SYSTEM – SECTION 65	2F11–10–106 SH.2
UTILITIES PLANIMETRIC DIAGRAM	2F11–12–101
PIPING CONNECTION FOR INSTRUMENT	SB–AT1–PV001/0
INSULATION SPECIFICATION	SB–AT1–SP030/0
WATER TRACINGS SPECIFICATION	SB–AT1–SP037/0
STEAM TRACINGS SPECIFICATION	SB–AT1–SP036/0
SKETCHES FOR DEDUSTING NETWORK	2F11–60–110
"Y" PIECES LIST –	2F11–65–113
PIPING SUPPORT LAY–OUT AREA 1	2F11–60–109

NOTE GENERALI – GENERAL NOTES

1 ▽ ELEVAZIONE FONDO TUBO O ELEVAZIONE GENERICA.
ELEVATION TO PIPE BOTTOM OR GENERAL ELEVATION.

2 ▼ ELEVAZIONE ASSE TUBO.
ELEVATION TO PIPE CENTERLINE.

3 ▽▽ ▽▽ ELEVAZIONE ASSE VALVOLA.
ELEVATION TO VALVE CENTERLINE.

4 ▽ ELEVAZIONE FACCIA INFERIORE FLANGIA.
ELEVATION TO BOTTOM FACE OF FLANGE.

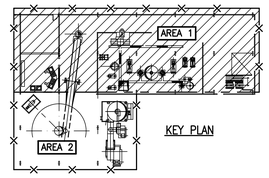
5 ▽ ELEVAZIONE FACCIA SUPERIORE FLANGIA.
ELEVATION TO TOP FACE OF FLANGE.

6 TUTTE LE QUOTE SONO RIFERITE ALL'ELEVAZIONE D'IMPIANTO ▽0.00 CORRISPONDENTE A (mt.....S.L.M.)
ALL VERTICAL DIMENSIONS ARE REFERRED TO PLANT ELEVATION ▽0.00 CORRESPONDING TO (mt.....A.S.L.)

7 PREVEDERE SFIATI SU PUNTI ALTI E DRENAGGI NEI PUNTI PIU' BASSI DELLE TUBAZIONI.
GLI SFIATI E I DRENAGGI PER LE LINEE DN <= 65 (2⅜") DOVRANNO ESSERE DA DN 15 (1/2").
GLI SFIATI E I DRENAGGI PER LE LINEE DN >= 80 (3") DOVRANNO ESSERE DA DN 20 (3/4").
PROVIDE VENTS AT HIGHEST POINT AND DRAINS AT LOWEST POINTS OF LINES.
VENTS AND DRAINS FOR THE LINES DN <= 65 (2⅜") WILL HAVE TO BE DN 15 (1/2").
VENTS AND DRAINS FOR THE LINES DN >= 80 (3") WILL HAVE TO BE DN 20 (3/4").

8 I COLLEGAMENTI DELLE TUBAZIONI DEI SERVIZI CON DN <= 15 (1/2") TRA I COLLETTORI E LE APPARECCHIATURE O LE INCAMICIATURE (FATTA ECCEZIONE PER LE APPARECCHIATURE E LE TUBAZIONI DELLO ZOLFO) DOVRANNO ESSERE STABILITI IN CANTIERE E NON SONO, PERTANTO, INDICATI SULLA TAVOLA DI MONTAGGIO.
THE CONNECTIONS OF UTILITIES PIPES DN <= 15 (1/2") BETWEEN MANIFOLDS AND EQUIPMENTS OR JACKETED PIPES (WITH EXCEPTION OF SULPHUR EQUIPMENTS AND PIPES) SHALL BE ESTABLISHED ON SITE AND THEREFORE ARE NOT INDICATED ON THE PIPING ARRANGEMENT DRAWINGS.

9 TUTTE LE DIMENSIONI SONO IN mm. SALVO DIVERSAMENTE INDICATO.
ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE INDICATED.



REVISION Revisione	REVISION HISTORY Storia delle revisioni	DRAWN Autore	DATE Data
1	REVISED WHERE INDICATED	M.B.	17.09.2012
0	ISSUED FOR CONSTRUCTION	M.B.	27.06.2012

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desmet ballestra

Desmet Ballestra s.p.a.
MILANO - Italy

DRAWING No. / Disegno Nr.: 2F11-60-101-1
CUSTOMER Nr. / Nr. Cliente: -

JOB Commessa	2F11	SHEET Foglio	1 / 11
PLANT Impianto	SABIZ	SHEET REVISION Revisione Foglio	1
TITLE Titolo	PIPING ARRANGEMENT AREA "1" PLAN EL. 0.00 TO 4500	SCALE Scala	1:33
		SECTION Sezione	-

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