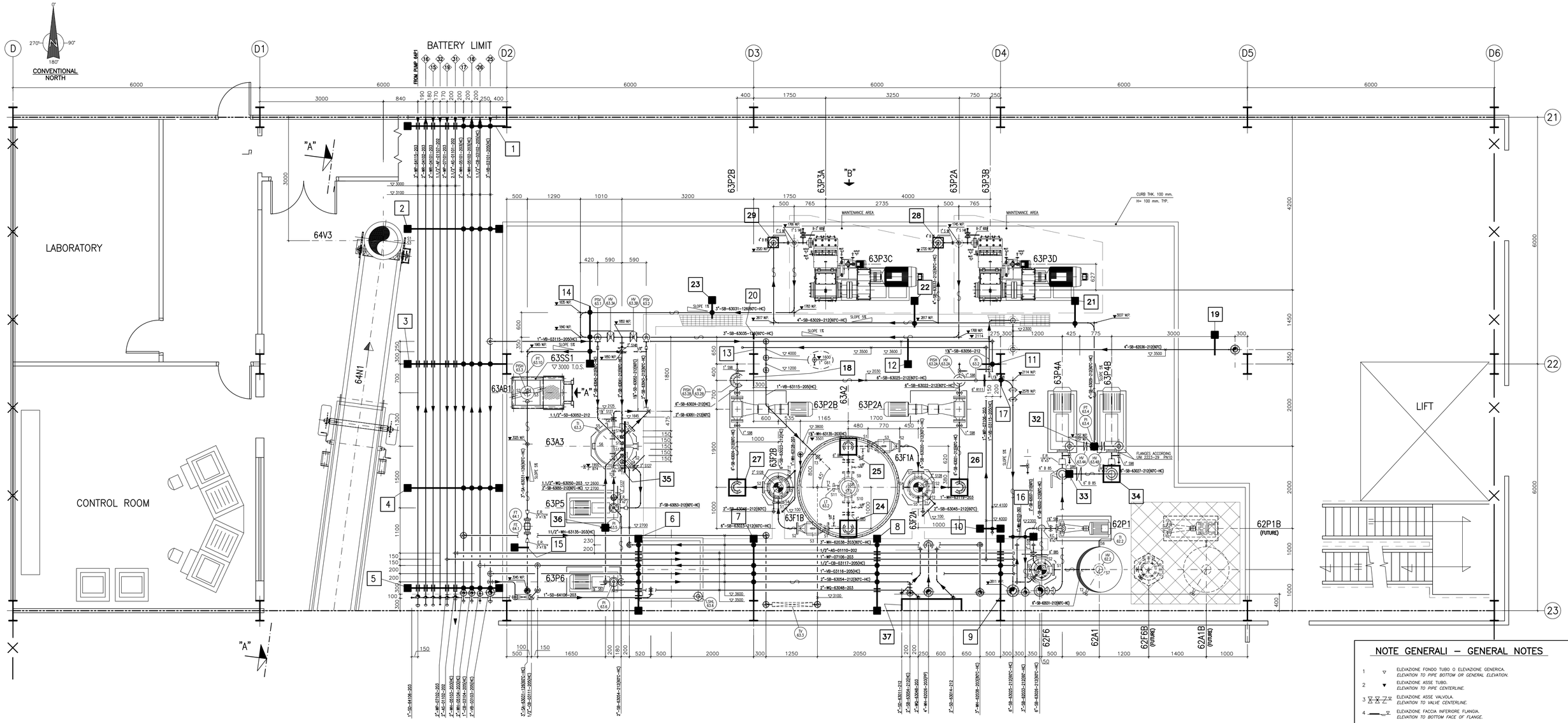


PLAN FROM ▽ 0.00 TO ▽ 4500

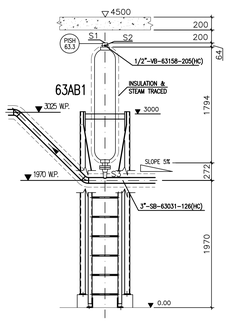
● SUPPLIED WITH COUNTER FLG.–BOLTS AND GASKETS
◐ COMPLETE WITH BLIND FLANGE, BOLTS AND GASKET

NOZZLE CHART

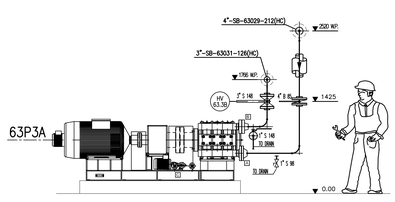
EQUIPMENTS ITEM / FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	ORIENTATION ELEV.	ORIENTATION HORIZON. ° 0°=NORTH	ORIENTATION VERTIC. ° 0°=UP 180°=DOWN	NOTES
62A1 ▽ 4600	S6	1" F	ASME B1.20.1 NPT 3000#	700			4075	0°	90°	TI CONNECTION
	S7	6" F	R.F. 150#	℄			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	DN 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	DN 250	AS DWG.	℄			1210	℄	0°	INSPECTION DOOR

NOZZLE CHART

EQUIPMENTS ITEM / FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	ORIENTATION 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	2"	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 x 300	AS DWG.	℄			2595	7°38'~	79°~	PRODUCT OUTLET
64V3 ▽ 2883	S1	700	SB–ATI–PF001	℄			2883	℄	0°	SUCTION
	S2	800 x 5	AS DWG.	705~			2618	187°30'	45°	CHARGING
	S3	ø505	AS DWG.	℄			800	℄	180°	AIR INLET

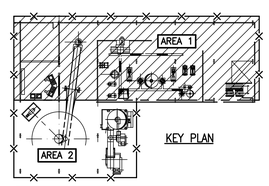


VIEW "A"



VIEW "B"

FUTURE



KEY PLAN

THIS DRAWING IS VALID FOR PIPING SUPPORT ONLY

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.

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 HOMOGENEIZING 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–ATI–PV001/0
INSULATION SPECIFICATION	SB–ATI–SP030/0
WATER TRACINGS SPECIFICATION	SB–ATI–SP037/0
STEAM TRACINGS SPECIFICATION	SB–ATI–SP036/0
SKETCHES FOR DEDUSTING NETWORK	2F11–60–110
"Y" PIECES LIST –	2F11–65–113
PIPING SUPPORT LIST AREA 1	2F11–60–107

REVISION Revisione	REVISION HISTORY Storia delle revisioni	DRAWN Autore	DATE Data
0	ISSUED FOR CONSTRUCTION	M.B.	20.07.2012

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desmet ballestra

Desmet Ballestra s.p.a.
MILANO - Italy

JOB Commessa	2F11	DRAWING No. / Disegno Nr.	2F11-60-105-1
		CUSTOMER Nr. / Nr. Cliente	-
PLANT Impianto	SABIZ	SHEET Foglio	1
		SHEET REVISION Revisione Foglio	0
TITLE Titolo	PIPING SUPPORT LAYOUT AREA "1" PLAN EL. 0.00 TO 4500	SCALE Scala	1:33
		SECTION Sezione	-

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