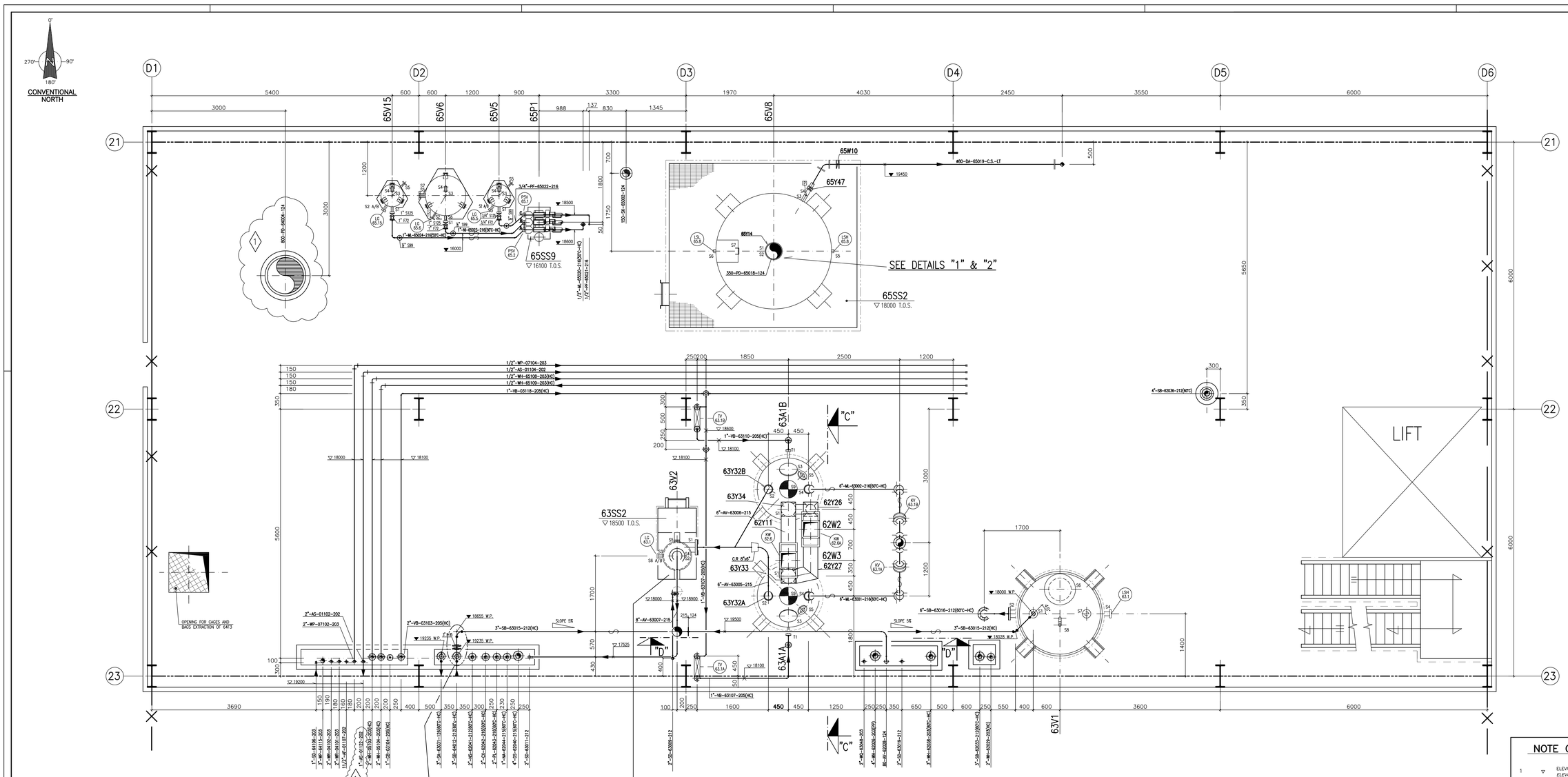
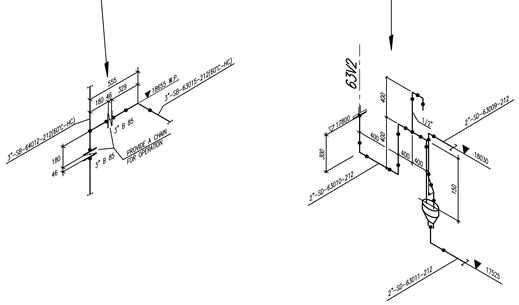


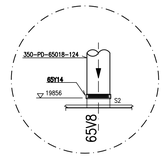
● COMPLETE WITH BLIND FLANGE, BOLTS AND GASKET

EQUIPMENTS ITEM	NOZZLE CHART									
FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	ELEV.	ORIENTATION HORIZON. ° 0°=NORTH	ORIENTATION VERTIC. ° 0°=UP 180°=DOWN	NOTES
63A1/A ▽ 15600	S1	I.D.330	AS DWG.	450			16761	0°	0°	SOLID INLET
	S2	ø≤200	AS DWG.	450			16761	270°	0°	VAPOR OUTLET
	S3	ø≤400	AS DWG.	450			16718	180°	18°	MANHOLE
	S4	ø≤200	AS DWG.	450			16761	90°	0°	LIQUID INLET
	S5	6"	AS DWG.	450			16718	135°	30°	SIGHT GLASS
	T1	1"	S.O.-R.F. 150#	880			15923	180°	90°	VB INLET
63A1/B ▽ 15600	S1	I.D.330	AS DWG.	450			16761	180°	0°	SOLID INLET
	S2	ø≤200	AS DWG.	450			16761	270°	0°	VAPOR OUTLET
	S3	ø≤400	AS DWG.	450			16718	0°	18°	MANHOLE
	S4	ø≤200	AS DWG.	450			16761	90°	0°	LIQUID INLET
	S5	6"	AS DWG.	450			16718	45°	30°	SIGHT GLASS
	T1	1"	S.O.-R.F. 150#	880			15923	0°	90°	VB INLET
63V1 ▽ 15600	S1	3"	S.O.-R.F. 150#	600			16750	270°	0°	SB INLET
	S2	6"	S.O.-R.F. 150#	1150			16000	270°	90°	SB OUTLET
	S4	3"	S.O.-R.F. 150#	1150			16200	90°	90°	LSH CONN.
	S6	500	-	550			16750	0°	0°	MANHOLE
●	S7	4"	S.O.-R.F. 150#	600			16750	90°	0°	SPARE
	S8	2"	AS DWG.	100			16850	180°	0°	VENT
63V2 ▽ 18500	S1	8"	L.J. 150#	194/450			18700	AS DWG.	90°	GAS INLET
	S2	2"	L.J. 150#	℄			17800	℄	180°	DRAIN
	S3	1"/2	S.O. RF 150#	450			19150	270°	90°	WF INLET
	S4	8"	L.J. 150#	℄			19703	℄	0°	GAS OUTLET
	S5	ø120	AS DWG.	300			19150	0°	90°	OPENABLE SIGHT GLASS
	S9A/B	3/4"	S.O. RF 150#	200/450			19900	270°	90°	LEVEL INDICATOR
65P1 ▽ 16100	A-S1	1"	ANSI 150 R.F.	337			16160	270°	180°	SUCTION
	A-D	1"	ANSI 150 R.F.	337			16441	270°	0°	DISCHARGE
	B-S1	1"	ANSI 150 R.F.	337			16160	270°	180°	SUCTION
	B-D	1"	ANSI 150 R.F.	337			16441	270°	0°	DISCHARGE
	C-S3/4	3/4"	ANSI 150 R.F.	337			16189	270°	180°	SUCTION
	C-D	3/4"	ANSI 150 R.F.	337			16411	270°	0°	DISCHARGE
65V5 ▽ 15600	S1	3/4"	L.J. 150#	400			16000	180°	90°	PF OUTLET
	S2A/B	3/4"	L.J. 150#	400			16000	270°	90°	LG CONNECTION
	S3	3/4"	ASME B1.20.1 NPT-3000#	℄			15920	℄	180°	DRAIN
	S4	20	AS DWG.	100			17430	0°	0°	VENT
●	S5	1"	L.J. 150#	400			17130	45°	90°	SPARE
	S6	ø500	AS DWG.	℄			17280	℄	0°	MANUAL CHARGING
65V6 ▽ 15600	S1	1"	L.J. 150#	400			16000	180°	90°	N₂ OUTLET
	S2	3/4"	L.J. 150#	400			16000	270°	90°	LG CONNECTION
	S3	3/4"	ASME B1.20.1 NPT-3000#	℄			15920	℄	180°	DRAIN
	S4	3/4"	AS DWG.	100			17530	0°	0°	VENT
●	S5	1"	L.J. 150#	400			17230	270°	90°	SPARE
	S6	1"	ASME B1.20.1 NPT-3000#	–			16020	180°	90°	TI CONNECTION
●	S7	3"	L.J. 150#	400			16680	270°	90°	SPARE
	T1	1"/2	S.O.-R.F. 150#	400			16480	210°	90°	WH INLET
	T2	1"/2	S.O.-R.F. 150#	400			16960	210°	90°	WH OUTLET

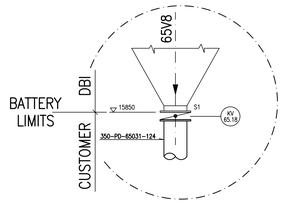
EQUIPMENTS ITEM	NOZZLE CHART									
FOUNDATION ELEVATION	POS.	SIZE	RATING	DIST. FROM EQUIP.	COORDINATES NORTH	COORDINATES EAST	ELEV.	ORIENTATION HORIZON. ° 0°=NORTH	ORIENTATION VERTIC. ° 0°=UP 180°=DOWN	NOTES
65V8 ▽ 18000	S1	350	SB-AT1-PV001/1	℄			15850	℄	180°	PRODUCT OUTLET
	S2	350	AS DWG.	℄			19856	℄	0°	PRODUCT INLET
	S3	ø≤80	AS DWG.	1606			19450	30°	90°	DEDUSTING
	S4	1/4"	ASME B1.20.1 NPT-3000#	1456			19500	30°	0°	P CONNECTION
	S5	1"/2	UNI ISO 7/1	1340			19000	90°	90°	LSH CONNECTION
	S6	1"/2	UNI ISO 7/1	1340			18250	210°	90°	LSL CONNECTION
	S7	500	AS DWG.	1050			19706	270°	0°	HINGED DOOR
65V15 ▽ 15600	S1	1"	L.J. 150#	400			16000	180°	90°	PF OUTLET
	S2A/B	3/4"	L.J. 150#	400			16000	270°	90°	LG CONNECTION
	S3	3/4"	ASME B1.20.1 NPT-3000#	℄			15920	℄	180°	DRAIN
	S4	20	AS DWG.	100			17430	0°	0°	VENT
●	S5	1"	L.J. 150#	400			17130	45°	90°	SPARE
	S6	ø500	AS DWG.	℄			17280	℄	0°	MANUAL CHARGING

PLAN FROM ▽15500 TO ▽20500





DETAIL "1"



DETAIL "2"

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 SUI PUNTI ALTI E DRENAGGI NEI PUNTI PIU' BASSI DELLE TUBAZIONI.
GLI SFIATI E I DRENAGGI PER LE LINEE DN <= 65 (2"/2) 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 (2"/2) 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 (TATTA 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–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

REVISION	Revisione	DATE	Data
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0	ISSUED FOR CONSTRUCTION	M.B.	27.06.2012
REVISION	REVISION HISTORY Storia delle revisioni	DRAWN Autore	DATE Data

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Desmet Ballestra s.p.a.
MILANO - Italy

DRAWING Nr. / Disegno Nr. 2F11-60-101-4
CUSTOMER Nr. / Nr. Cliente –

JOB Commessa	2F11
PLANT Impianto	SABIZ
TITLE Titolo	PIPING ARRANGEMENT AREA "1" PLAN EL. 15.500 TO 20.500
SHEET Foglio	4 / 11
SHEET REVISION Revisione Foglio	1
SCALE Scala	1:33
SECTION Sezione	–