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# ANDRITZ

## Feed & Biofuel

Customer: SAN FERNANDO, S. A.  
 Order: (C-19-814756-681)  
 Project no.: C-19-818290  
 Project: San Fernando PI-280/13 - 4600000872  
 Part: *F0.LI-PE.P&ID / Piping & Instrumentation Diagrams*  
 Location:

Rev.	Rev. Date	Created	Checked	Description of Revision	Crea. Date	04.11.2013		Production Line <i>Piping &amp; Instrumentation Diagrams</i> Cover sheet	Project:	San Fernando PI-280/13 - 4600000872	Function	Unit: F0.LI-PE.P&ID
1	20.11.2013	Jørgensen	ESBTHo05	Preliminary	Created:	Jørgensen			Project no.:	C-19-818290	Location:	
					Checked:	Jørgensen / 04.11.2013			Customer:	SAN FERNANDO, S. A.	Page:	1 / 19
					Stand.:	EN 60617			Order:	(C-19-814756-681)	Draw. no.:	250105-F-9800

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**Preliminary**

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date of print: 20.11.2013

Label / Sheet number	Unit / Location / Funct.	Description 1	Description 2	Description 3	Pages	Created		Checked		Revision description	Status	Document number ANDRITZ	Drawing number customer
						Date	By	Rev.	Date				
<b>P&amp;ID</b>													
1	F0.LI-PE.P&ID / /	Cover sheet	Production Line	Piping & Instrumentation Diagrams	1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9800
2	F0.LI-PE.P&ID / /	Table of contents	Production Line	Piping & Instrumentation Diagrams	1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9800
3	F0.LI-PE.P&ID / /	Legend	Functions & Valves	Piping & Instrumentation Diagrams	1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9800
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5	F068110 / /	Intake			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9801
6	F068111 / /	Storage			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9802
7	F068112 / /	Bulk Storage			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9803
8	F068120 / /	Soya treatment [Grinding]			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9804
9	F068120 / /	Soya treatment [Extrusion]			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9805
10	F068121 / /	Raw Material Prep. [Corn]			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9806
11	F068130 / /	Batch Dosing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9807
12	F068131 / /	Grinding			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9808
13	F068140 / /	Micro Dosing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9809
14	F068141 / /	Micro Dosing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9810
15	F068142 / /	Micro Dosing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9811
16	F068145 / /	Mixing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9812
17	F068146 / /	Mixing			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9813
18	F068151 / /	Pelleting lines			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9814
19	F068170 / /	Outloading			1	20.11.2013	Jørgensen	1	20.11.2013	ESBTHo05	Preliminary	Preliminary	250105-F-9815

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					Stand.: EN 60617



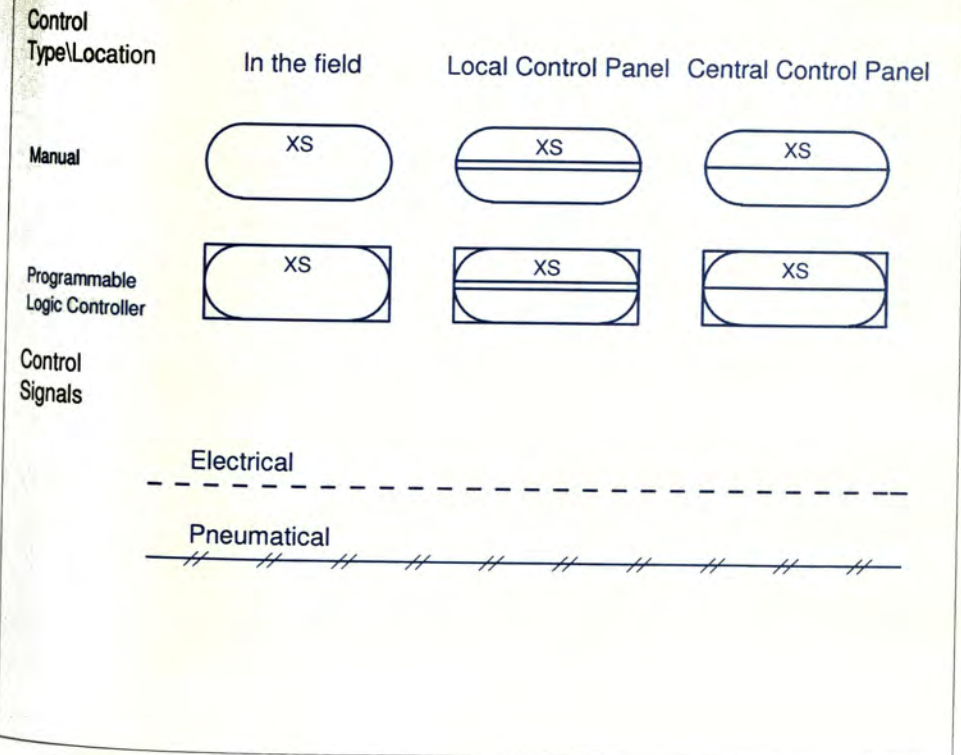
Production Line  
Table of contents

Project: San Fernando PI-280/13 - 4600000872 Function  
Project no.: C-19-818290  
Customer: SAN FERNANDO, S. A.  
Order: (C-19-814756-681)

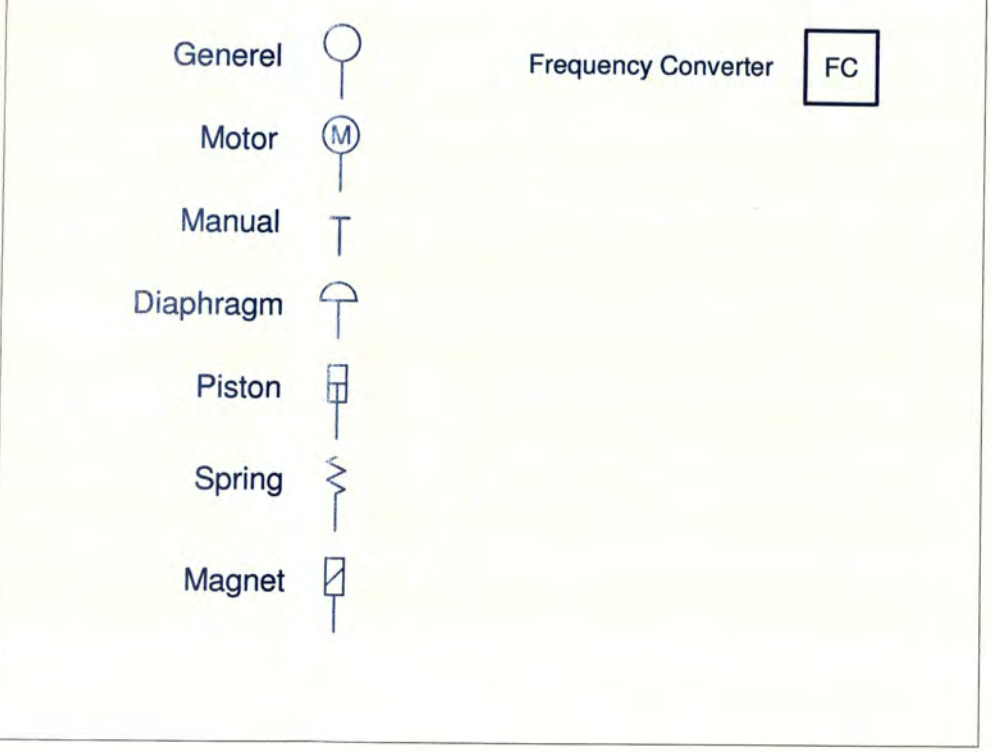
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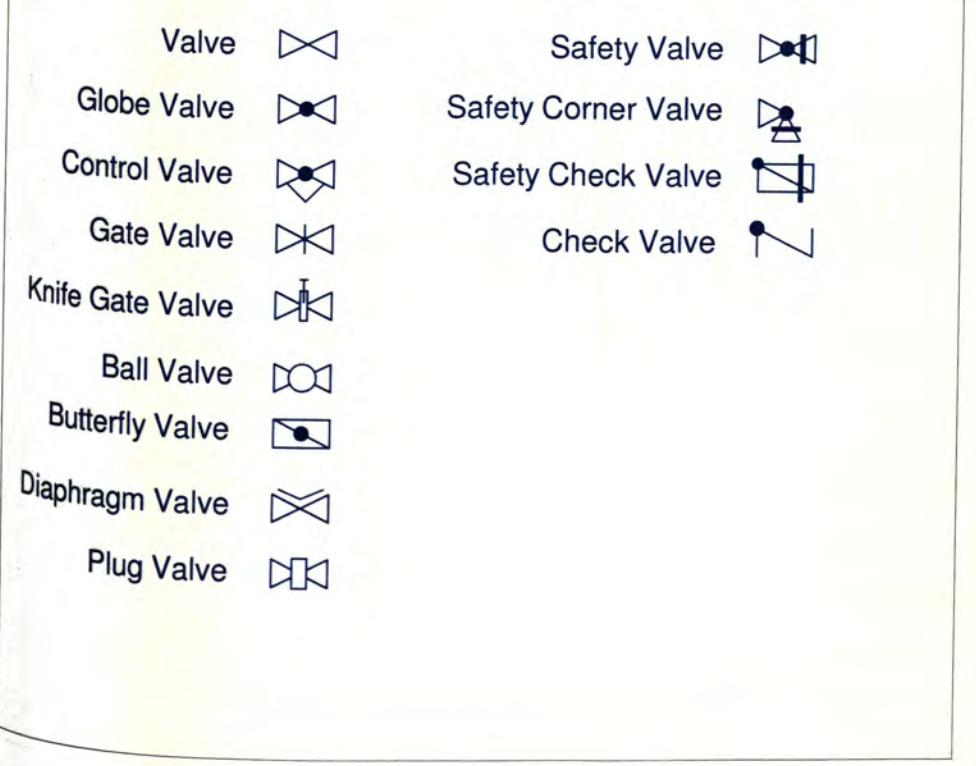
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### Actuators

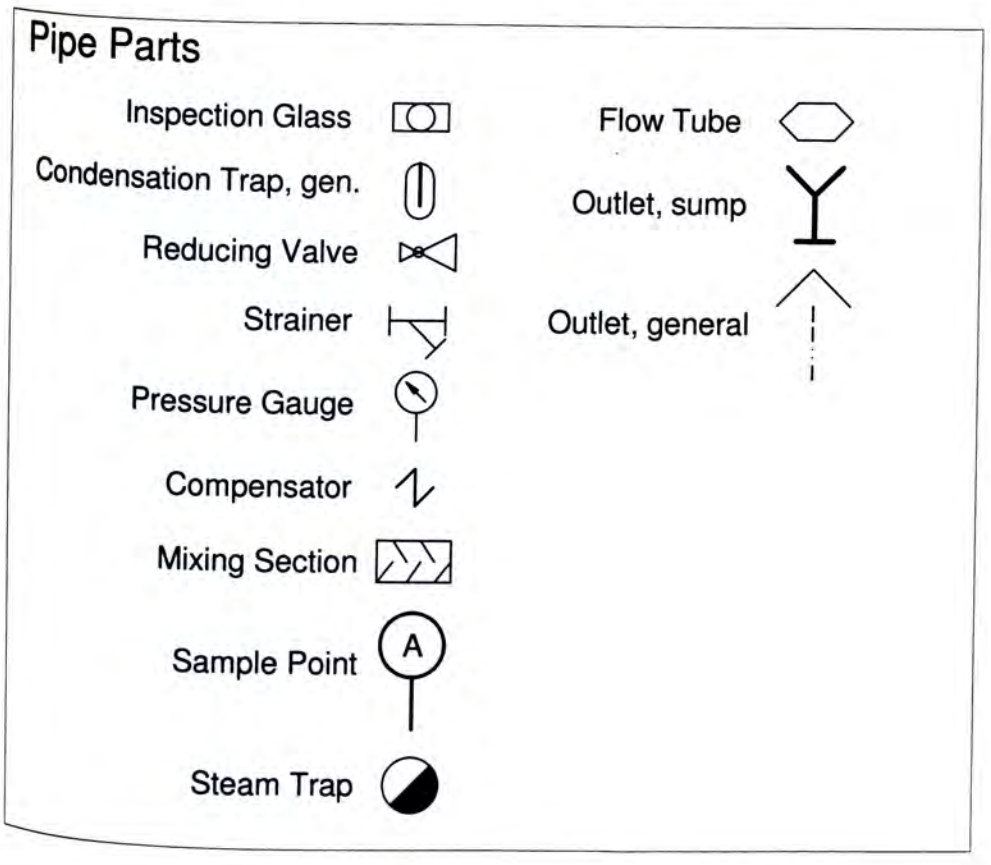
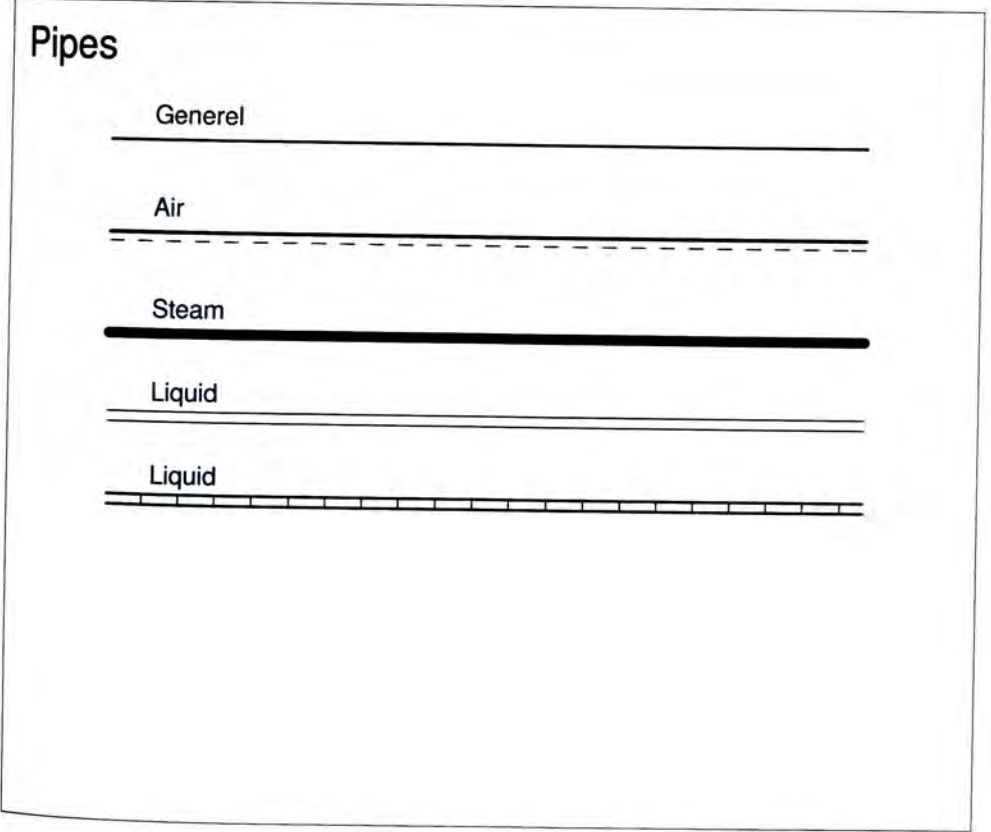


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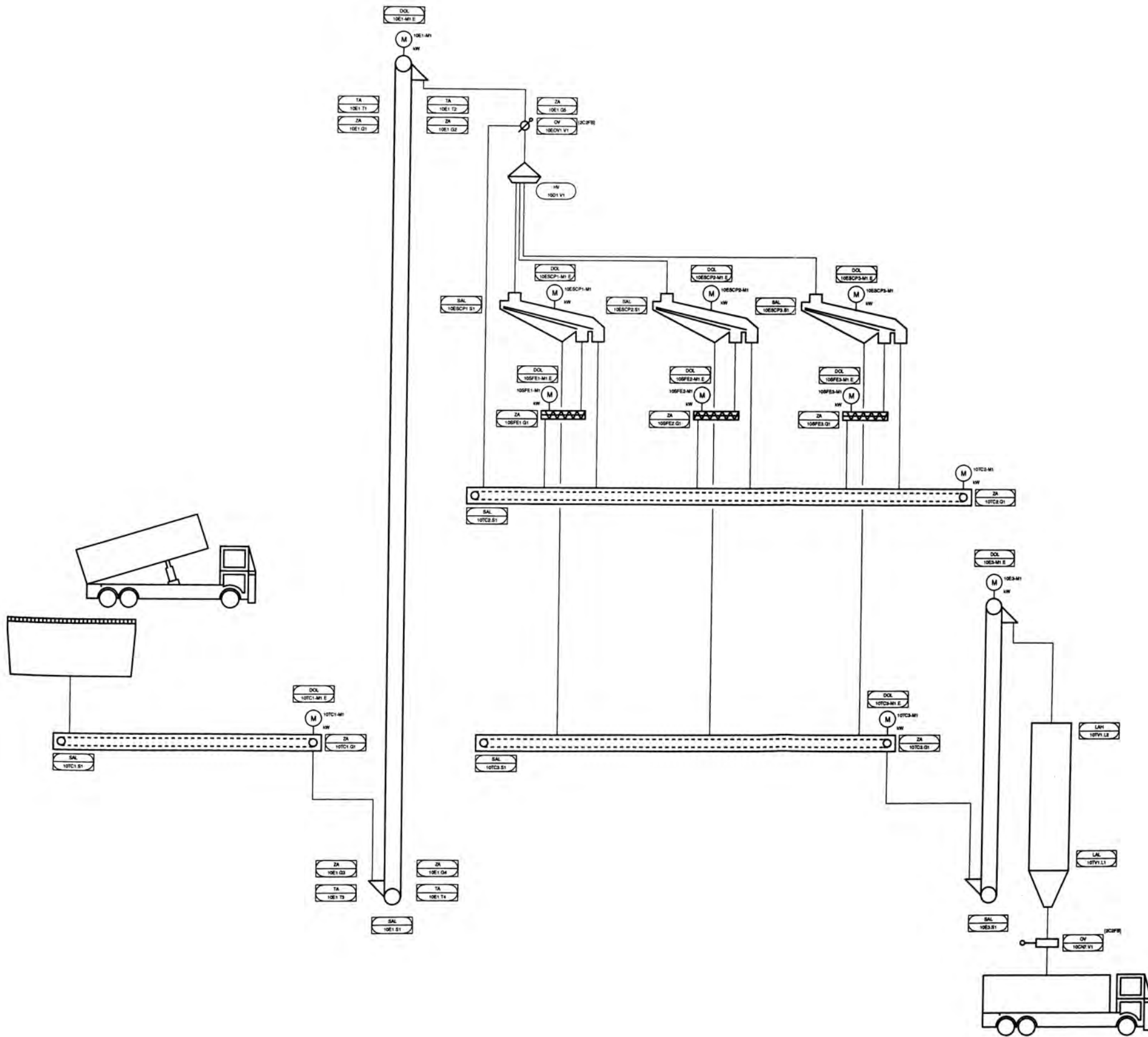


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	<b>Piping &amp; Instrumentation Diagrams</b>		SAN-FERNANDO_S_A F0 LI-PE P&ID PID.3			
Project:	San Fernando PI-280/13 - 4600000872	Project no.:	C-19-818290	Customer:	SAN FERNANDO, S. A.	
	SAN FERNANDO, S. A.		C-19-818290-681	Order:	(C-19-814756-681)	
				Group No.		

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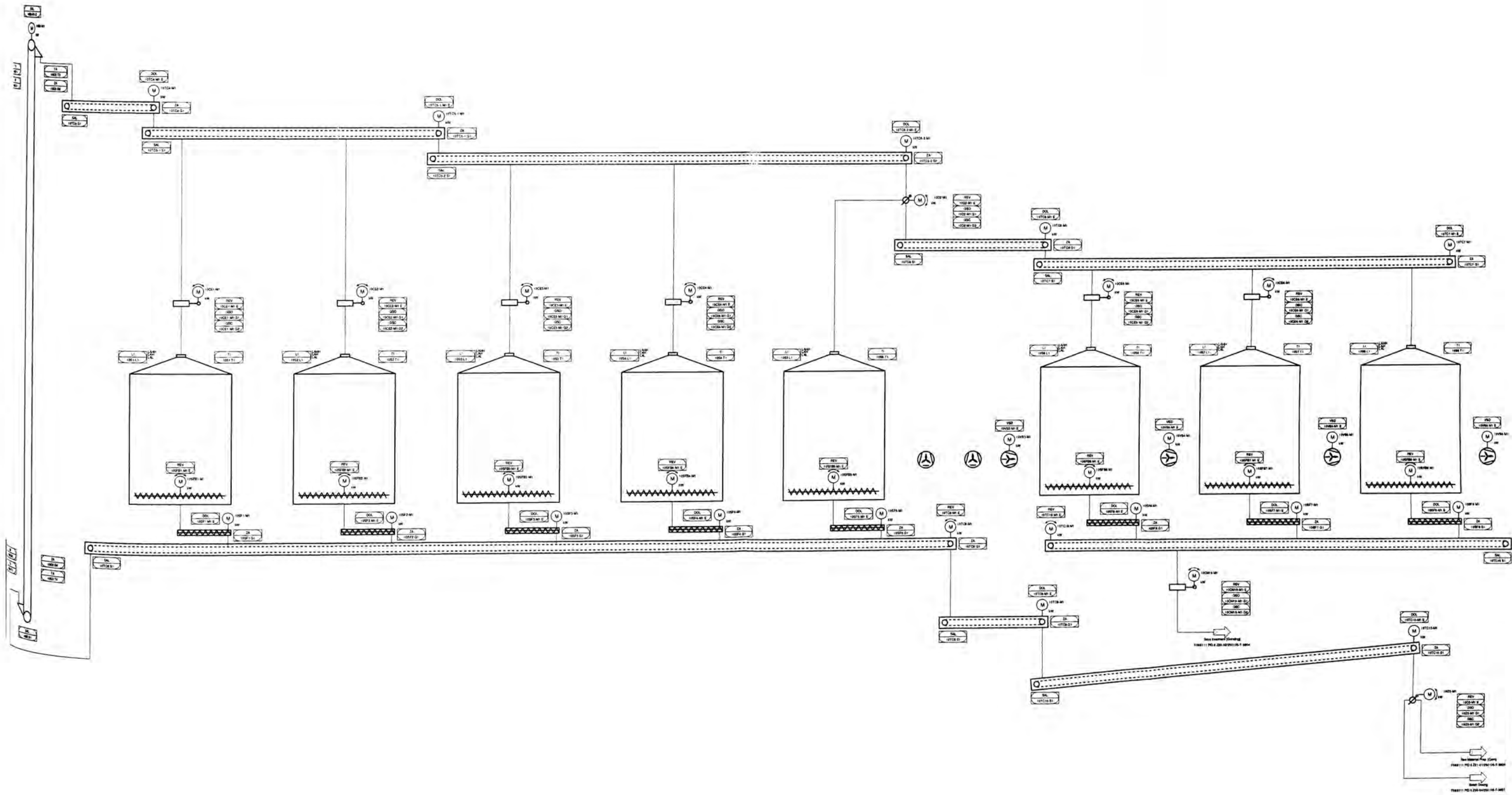
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	<b>Piping &amp; Instrumentation Diagrams</b>					<b>of 19</b>
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	SAN FERNANDO. S. A.		Customer:	SAN FERNANDO, S. A.		
	C-19-818290-681		Order:	(C-19-814756-681)		
			Group No.			



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Drawing No.		Order No.	
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Rev. 1		Date 10.11.2013	
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Author		Group No.	
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Approved		Customer Group No.	
Project Manager		Customer Group No.	
San Fernando, S.A.		Customer Group No.	



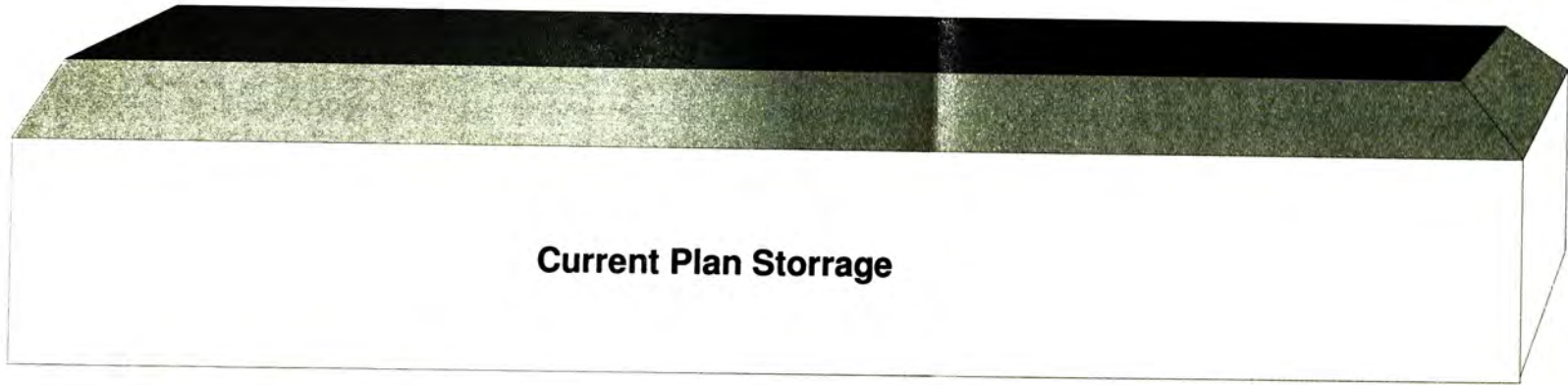
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**ANDREZ**  
Feed & Biofuel

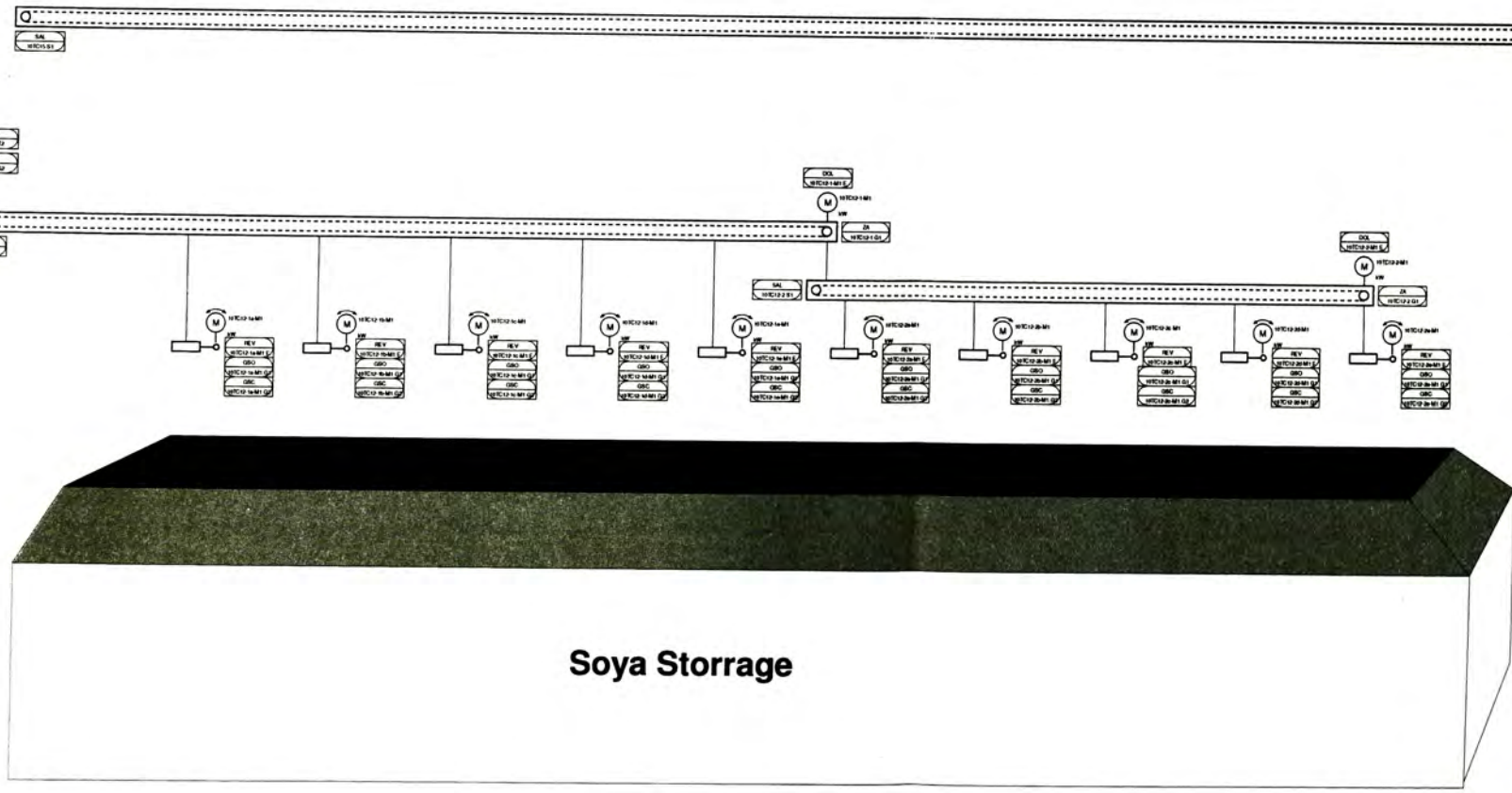
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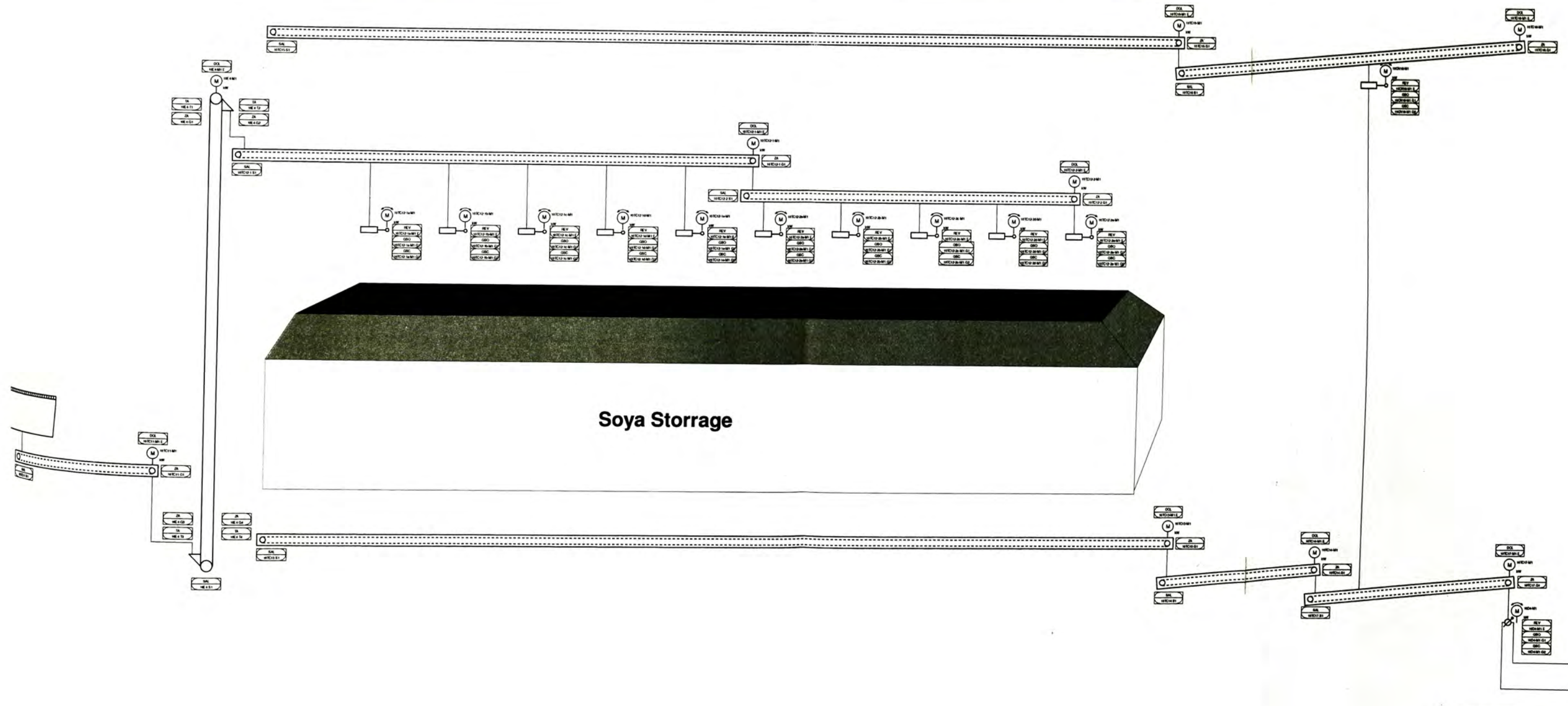
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**Current Plan Storage**



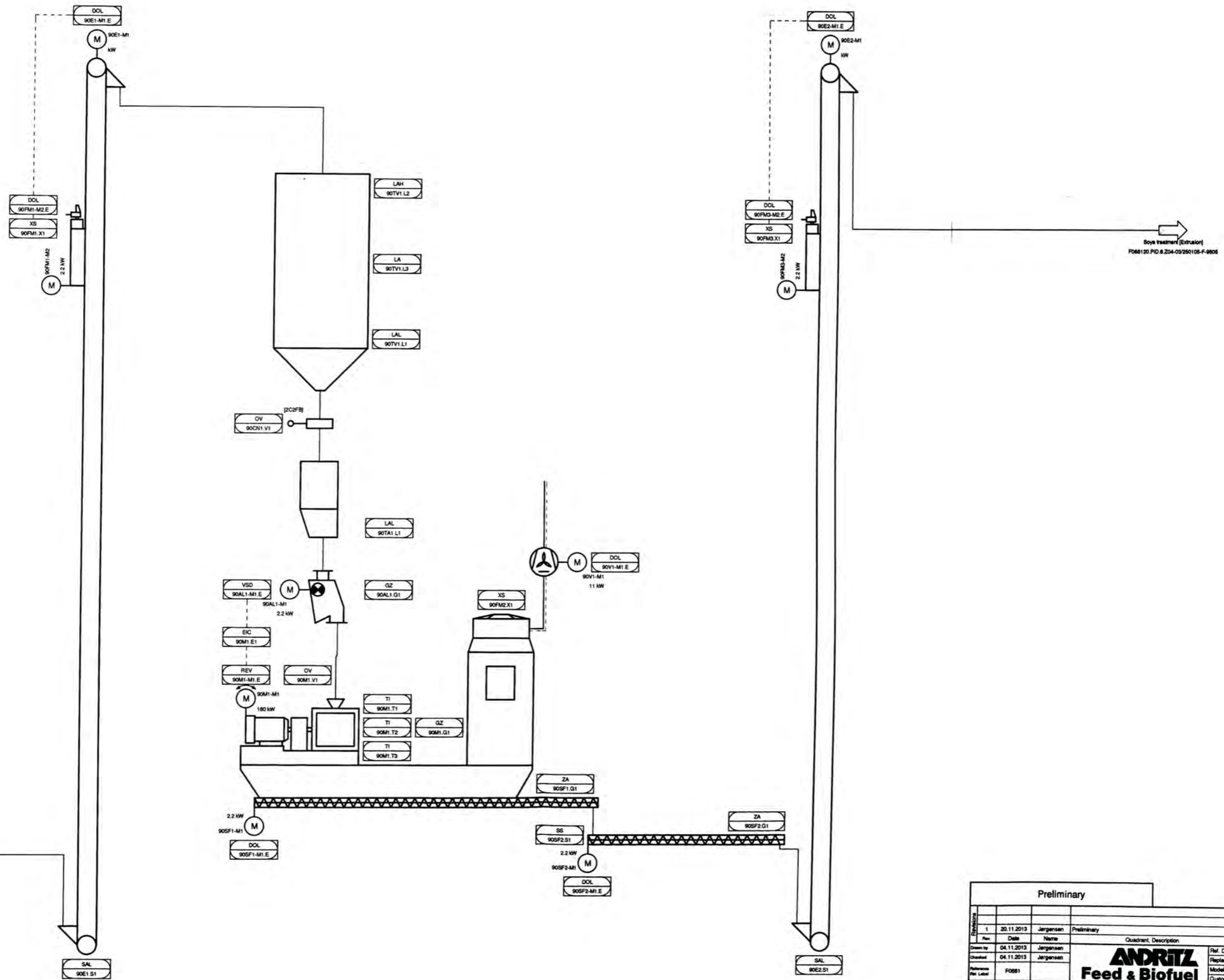
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4	08/11/2013	Anderson	Prohaska

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90F M2 / F98111 PID 8.220-02

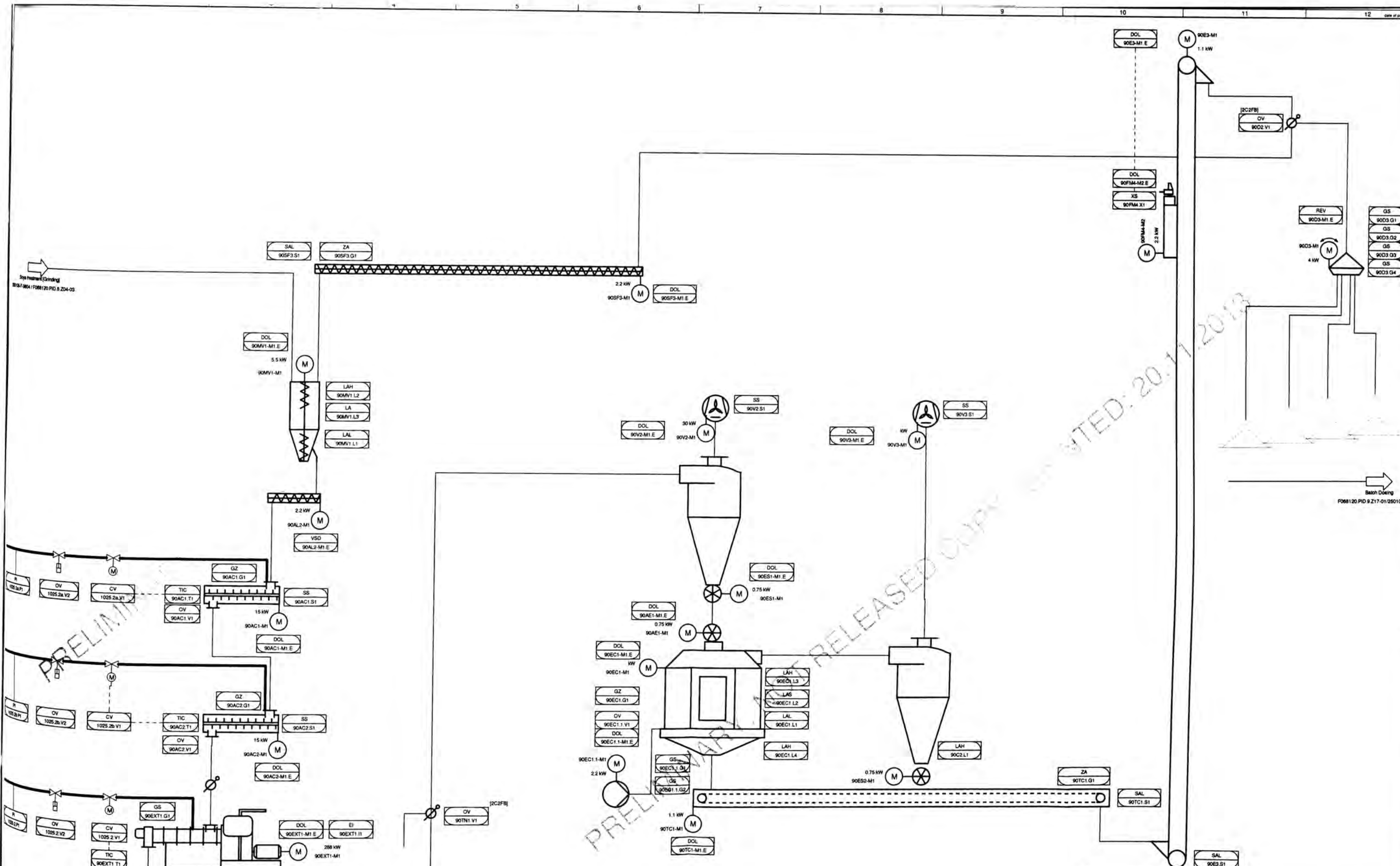
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	<b>Soya treatment [Grinding]</b>	<b>250105-F-9804</b>	<b>1</b> EN 8
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Project:	San Fernando P1280713 - 4000020972	Project no.:	C-19-818290
SAN FERNANDO, S. A.	C-19-818290-681	Customer:	SAN FERNANDO, S. A.
		Order:	(C-19-814756-681)

Rev. 1  
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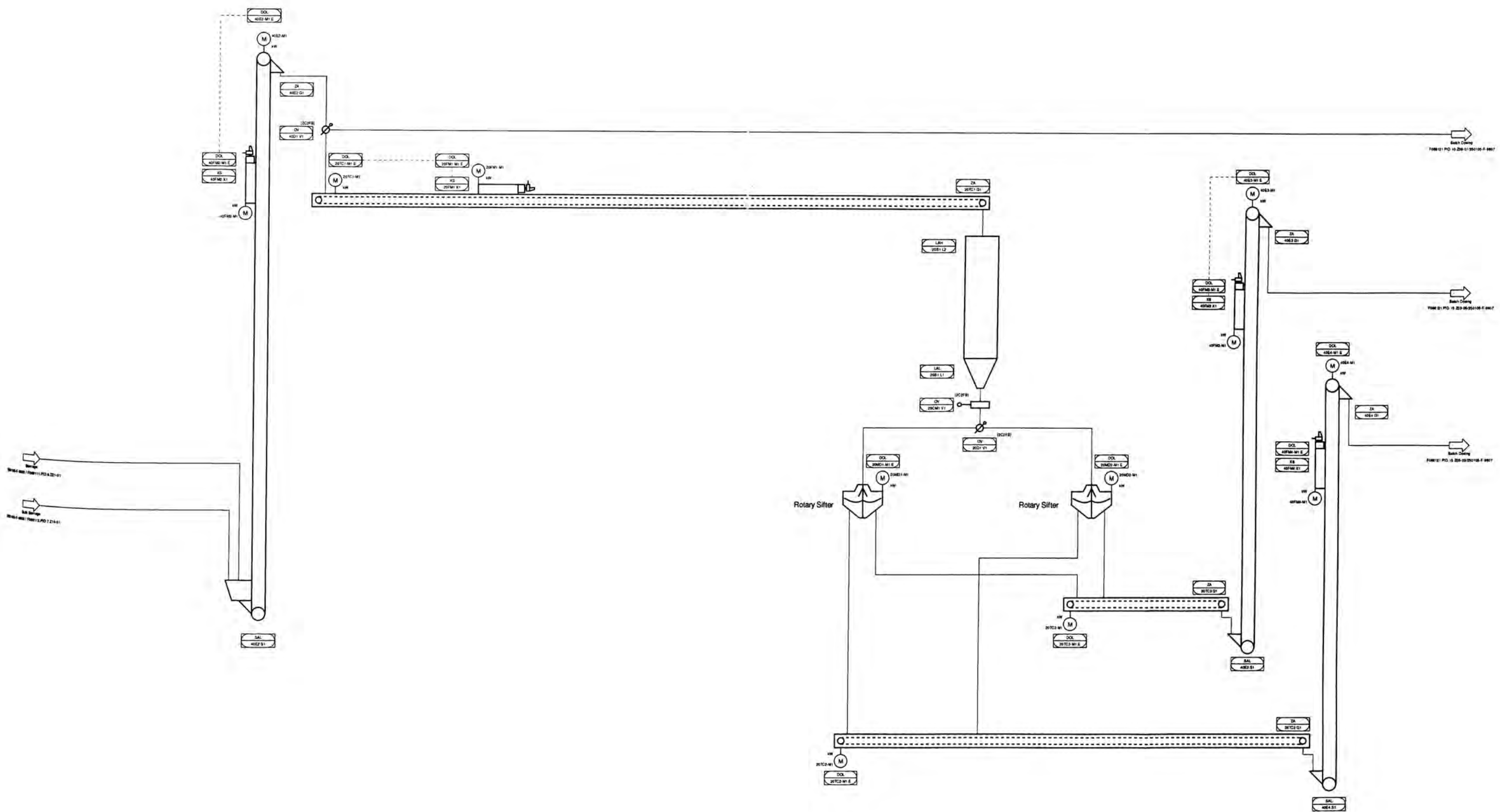


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 9081-2013-1/2013-01-2013-05

Batch Dosing  
 9081-2013-01-2013-05-F-9007

PRELIMINARY RELEASED COPY DATED: 20.11.2013

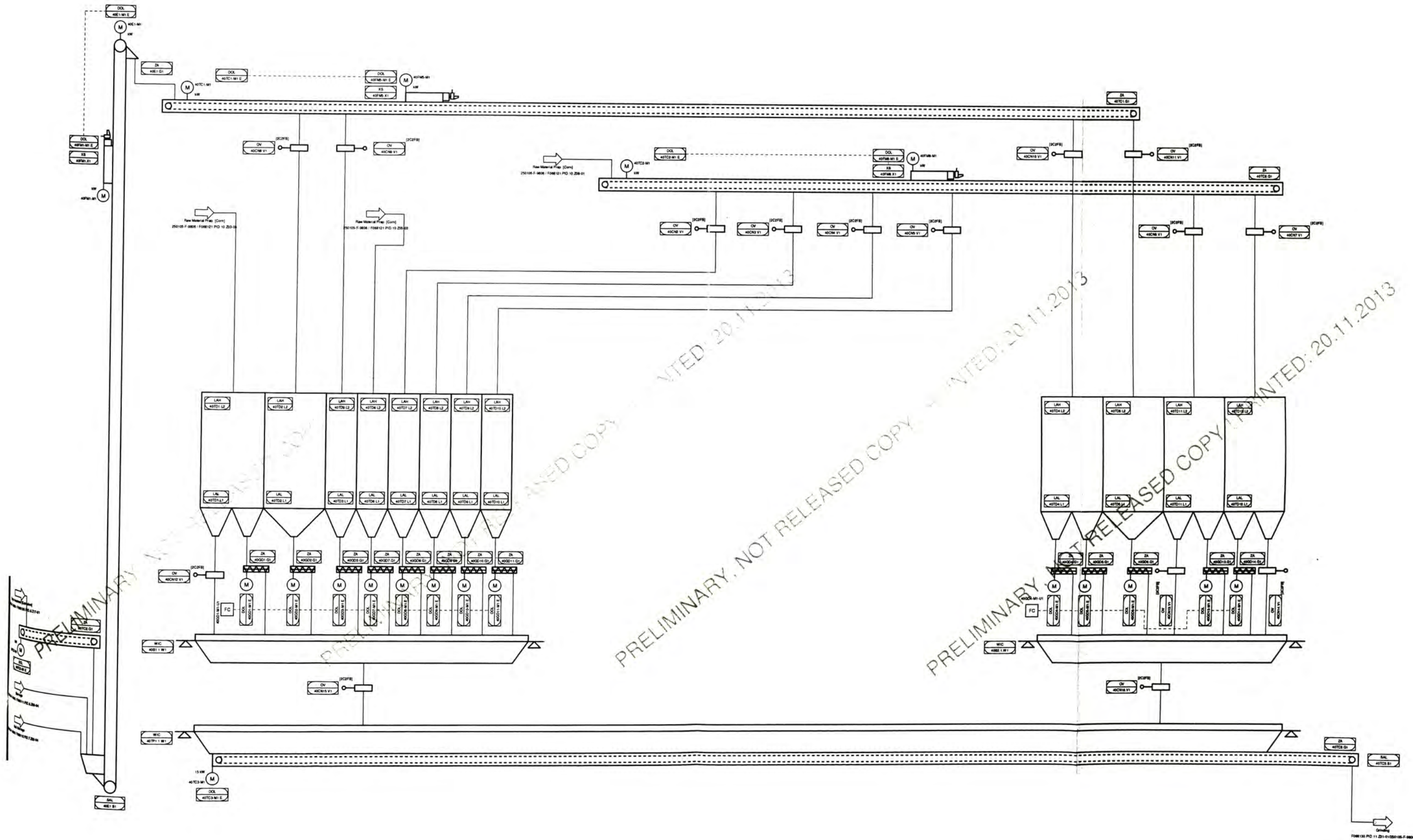
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Soya treatment [Extrusion]		250105-F-9805		*	EN
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San Fernando P128013 - 4600000872		SAN FERNANDO, S. A.		SAN FERNANDO, S. A.	
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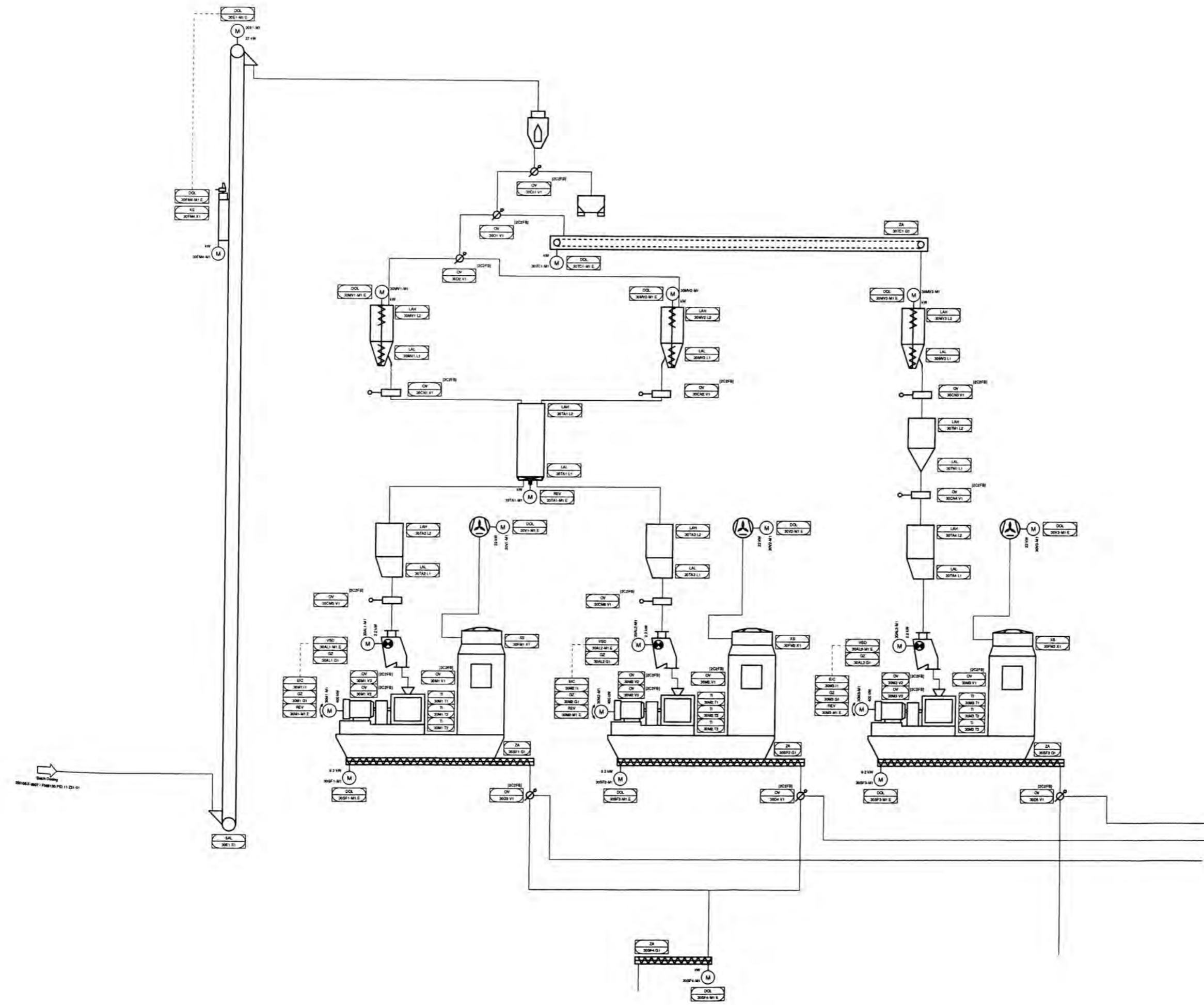
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3	04.11.2013	Jaraman	Revisi		3

<b>ANDRITZ</b>		Raw Material Prep. [Corn]	
Feed & Biofuel		250105-F-9806	
Project No.	250105-F-9806	Customer	SAN FERNANDO, S.A.
Project Name	Raw Material Prep. [Corn]	Customer ID No.	
Project Location	SAN FERNANDO, S.A.	Group No.	



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Order No.	250105-F-9807	Customer No.	
Order Date	04.11.2013	Order No.	
Order Description	Batch Dosing	Order No.	
Order Status	Preliminary	Order No.	
Order Type	Batch Dosing	Order No.	
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Order Date	04.11.2013	Order No.	
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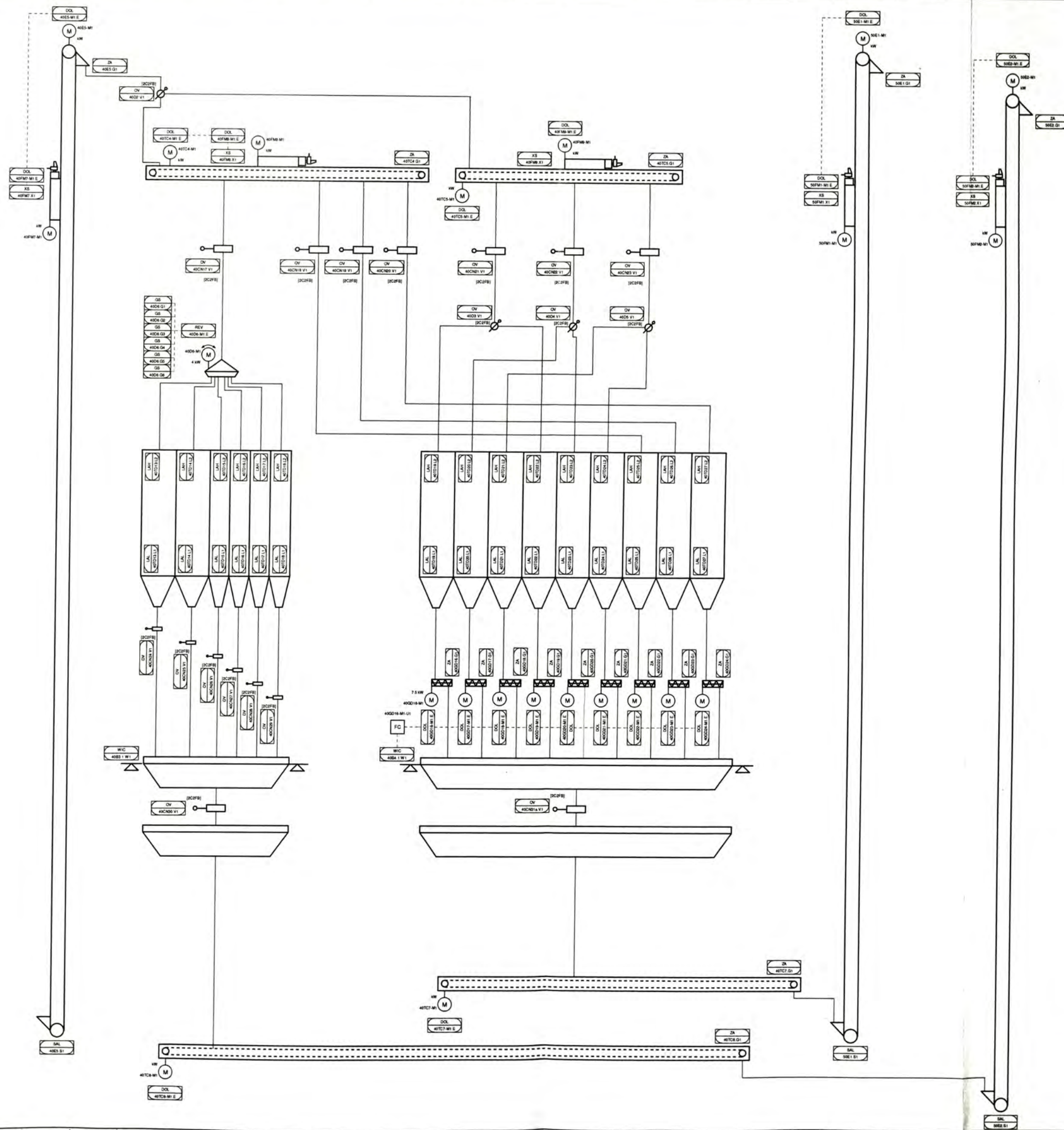
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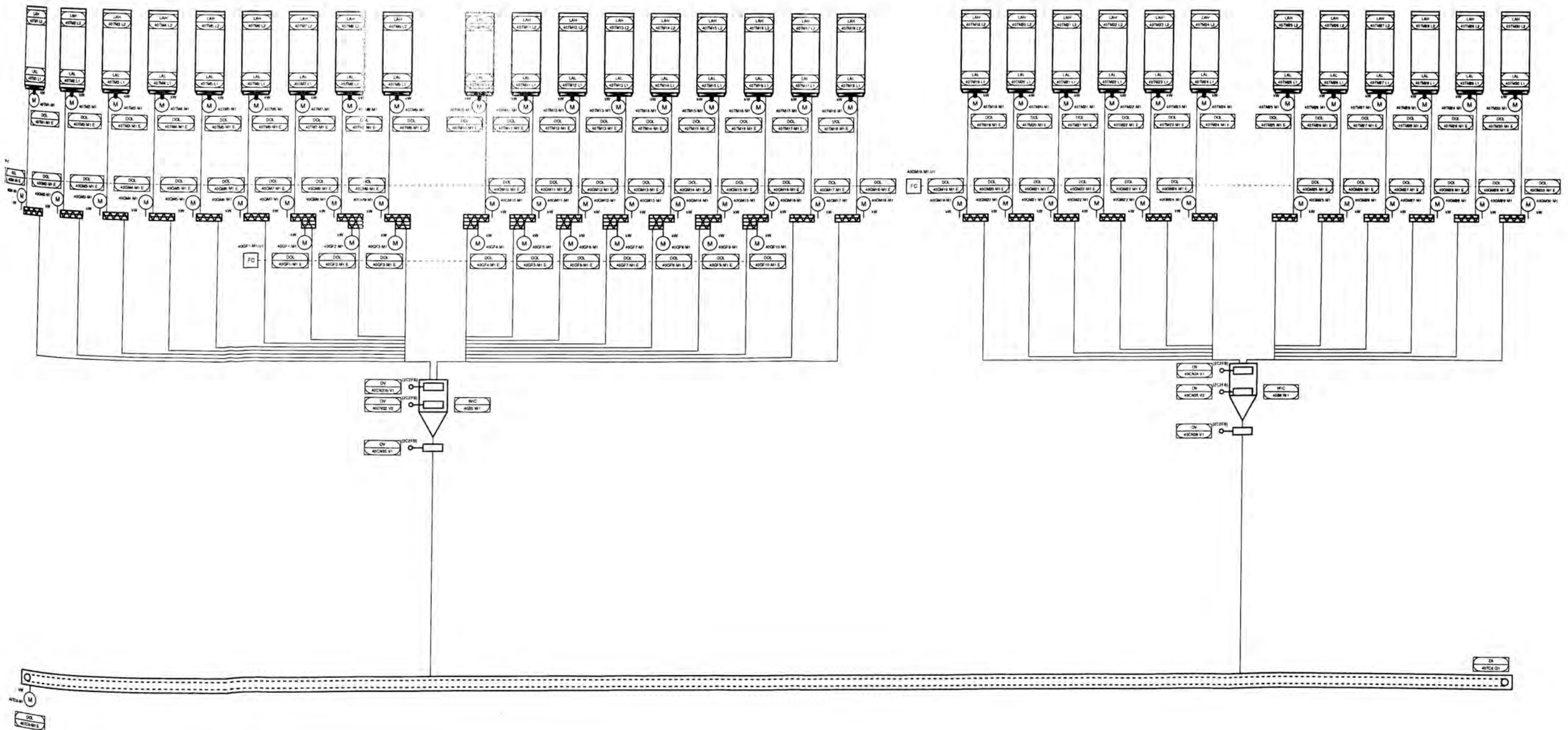
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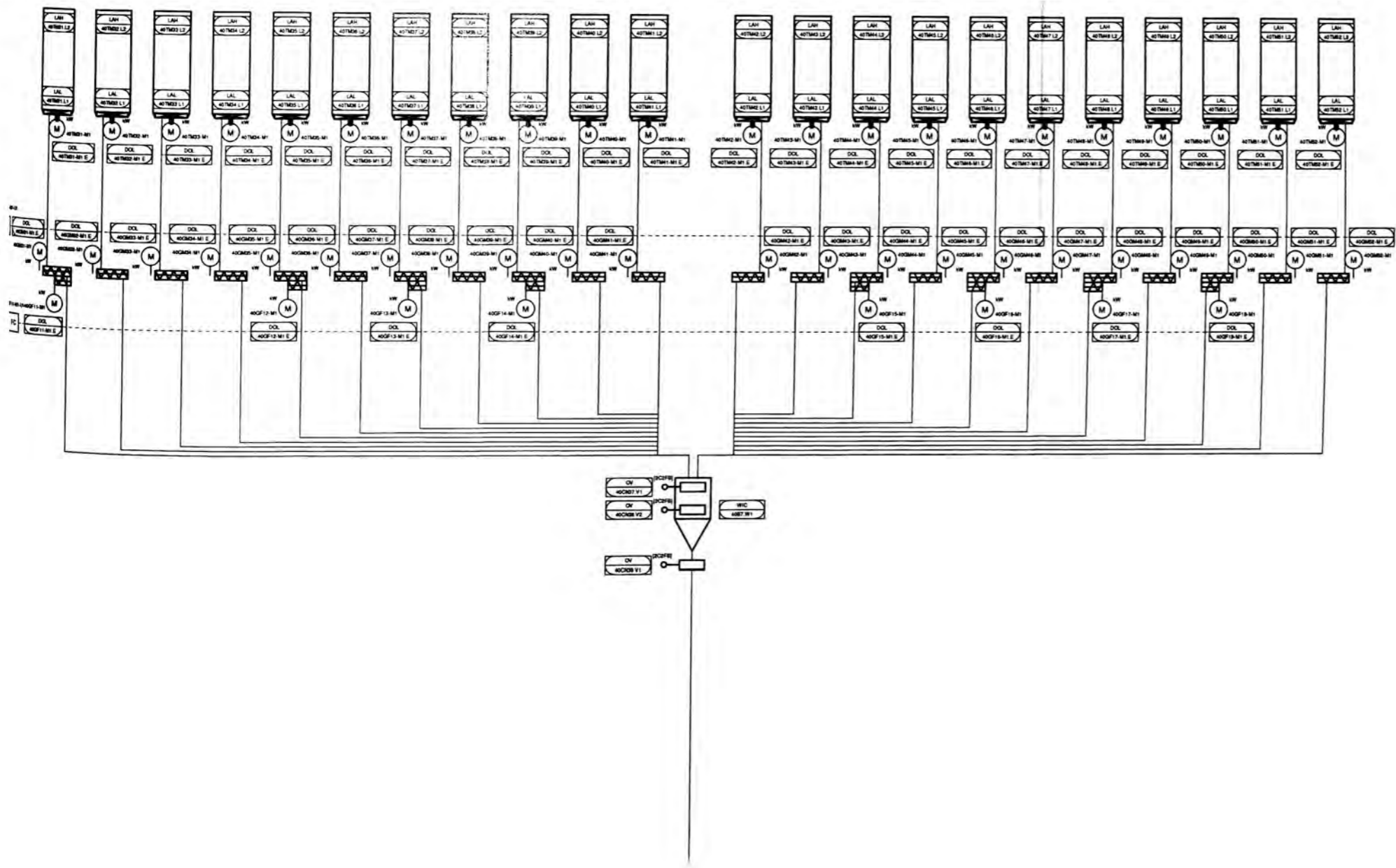
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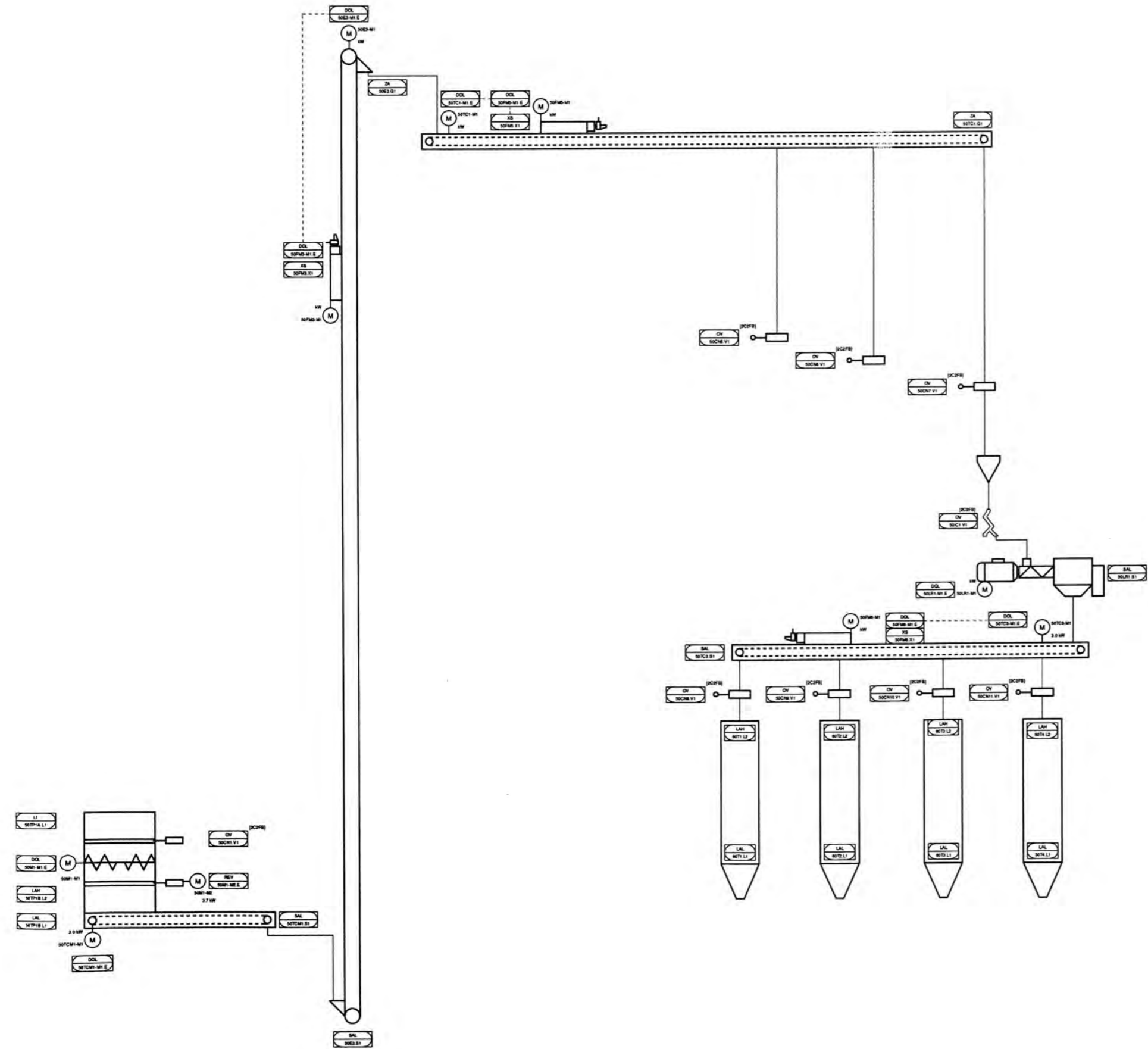
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San Fernando, S.A.	C-12-818292-081	San Fernando, S.A.	Group No.



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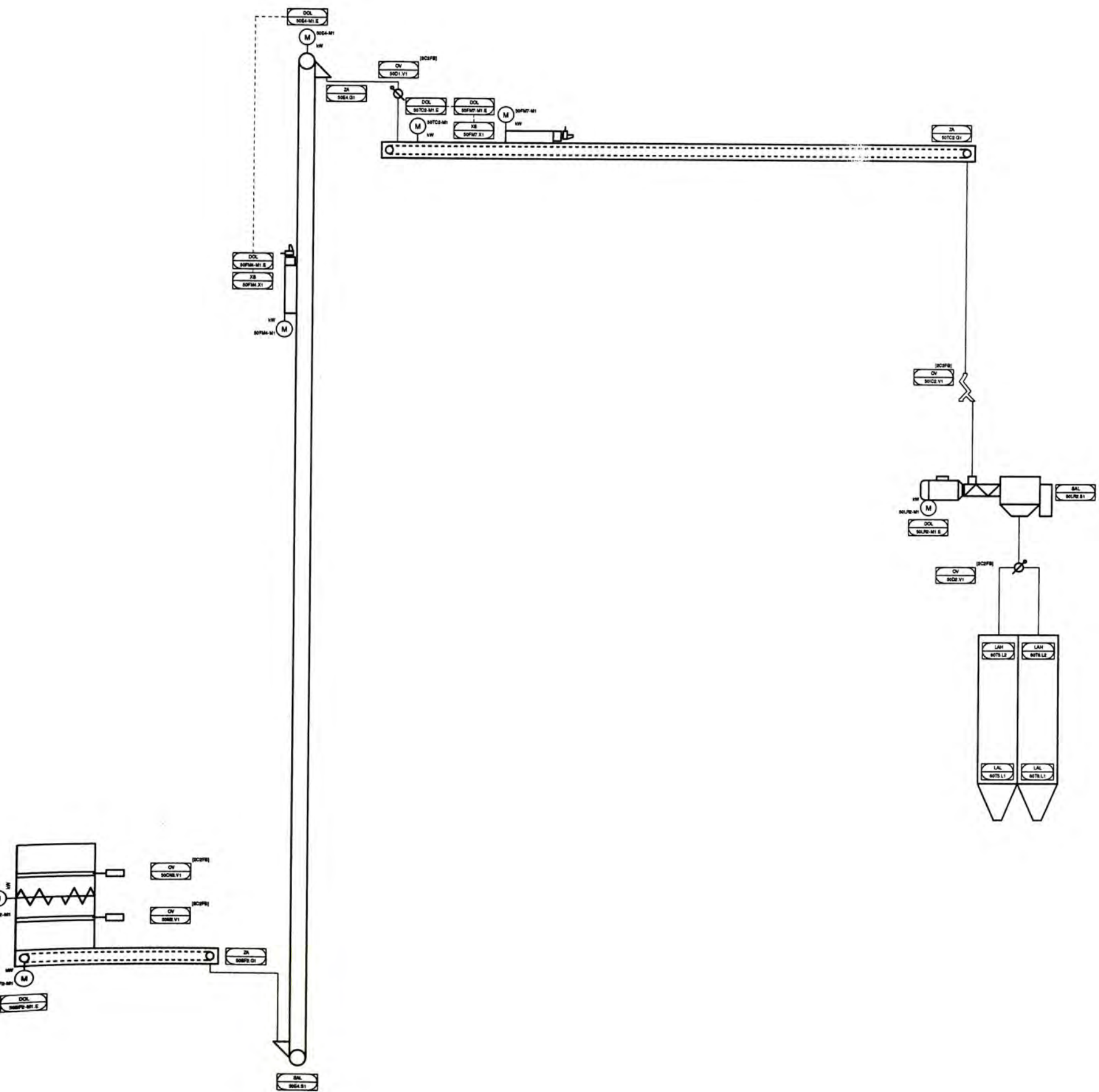


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<b>Micro Doeing</b>			SANFERNANDO S. A. (FERNANDEZ)		
Project no. <b>C-19-818290</b>			Order <b>CC-19-814756-9811</b>		

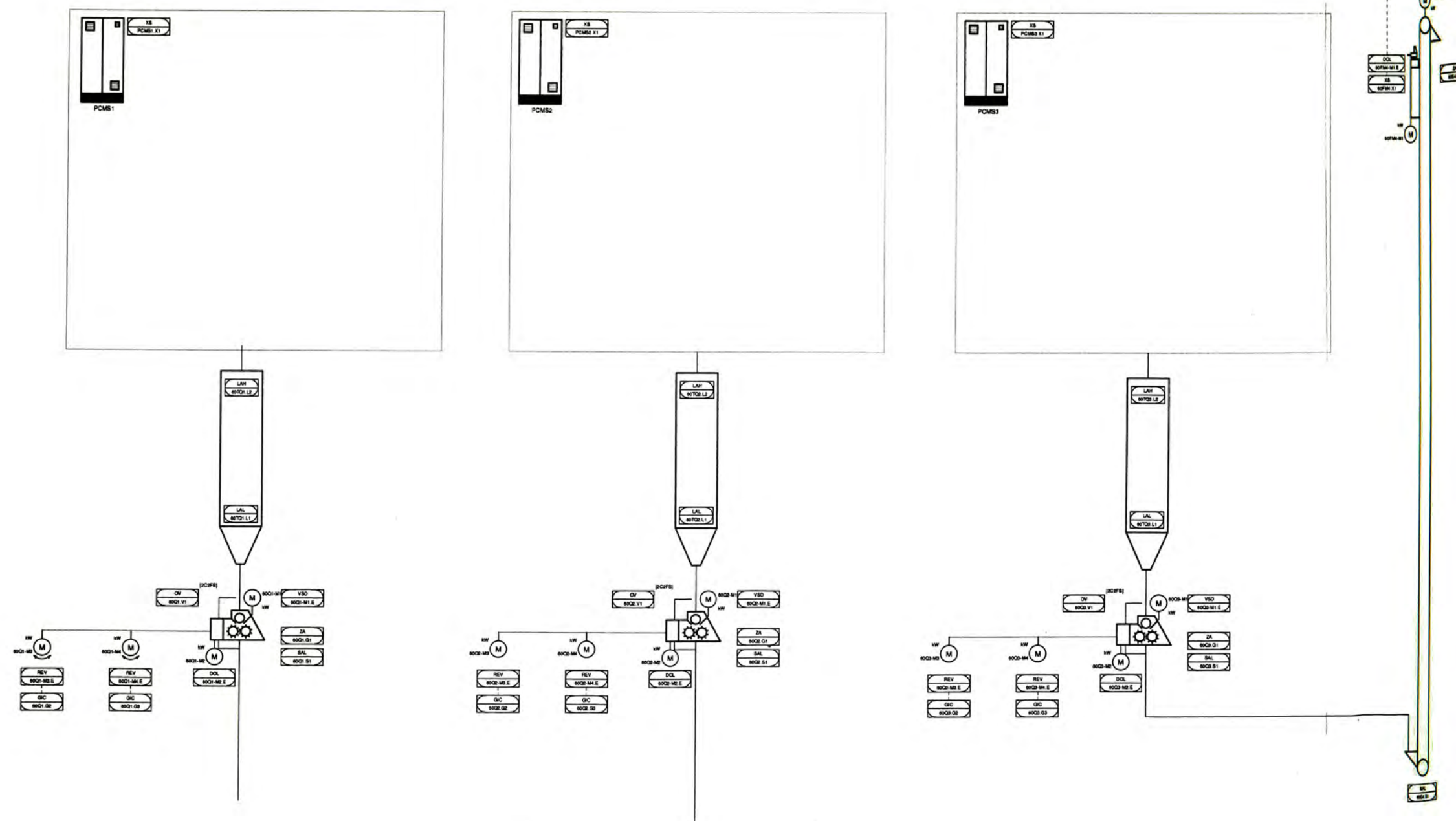


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Scale: Drawing Title: <b>Mixing</b>						250105-F-9812			
Sheet: 1 of 18						18			
Project:						Client:			
SAN FERNANDO, S.A.						C-19-210200-001			





Preliminary									
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Drawing No.							1		
Project No.							250105-F-9813		
Customer:							SANFERMINO S.A.		
Drawing No.							1		



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Drawing No. 250105-F-9814			Customer Order No.		
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Project location: SAN FERNANDO S.A.			Drawing No. 1		
Project start: 2011.09.13			Drawing No. 1		
Project end: 2011.09.13			Drawing No. 1		
Project status: 100%			Drawing No. 1		
Project manager: C-19-811000-001			Drawing No. 1		
Project engineer: C-19-811000-001			Drawing No. 1		
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Project checker: C-19-811000-001			Drawing No. 1		
Project approver: C-19-811000-001			Drawing No. 1		

