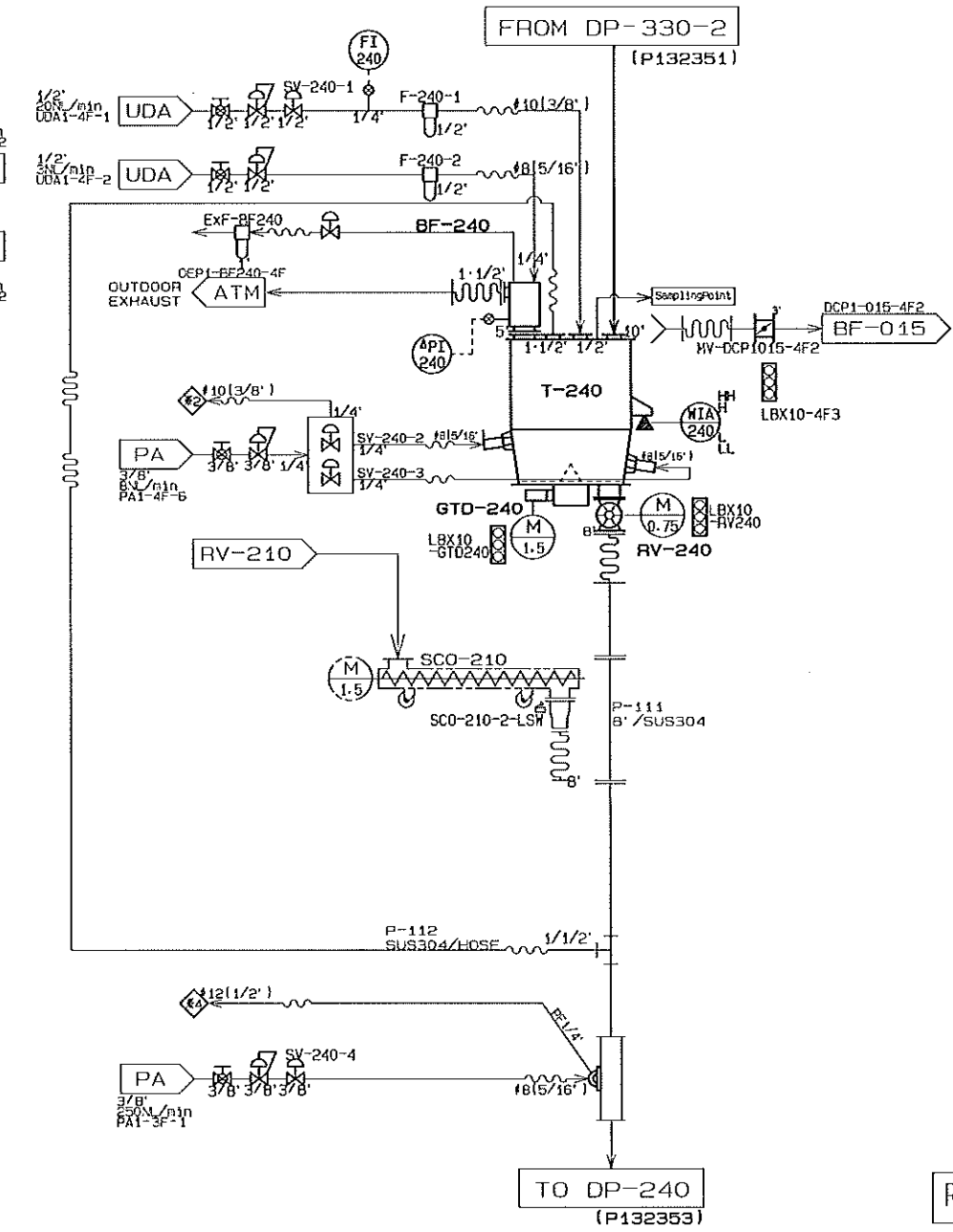
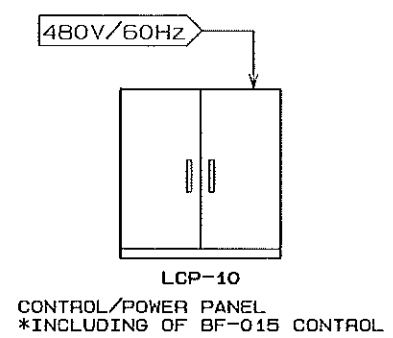
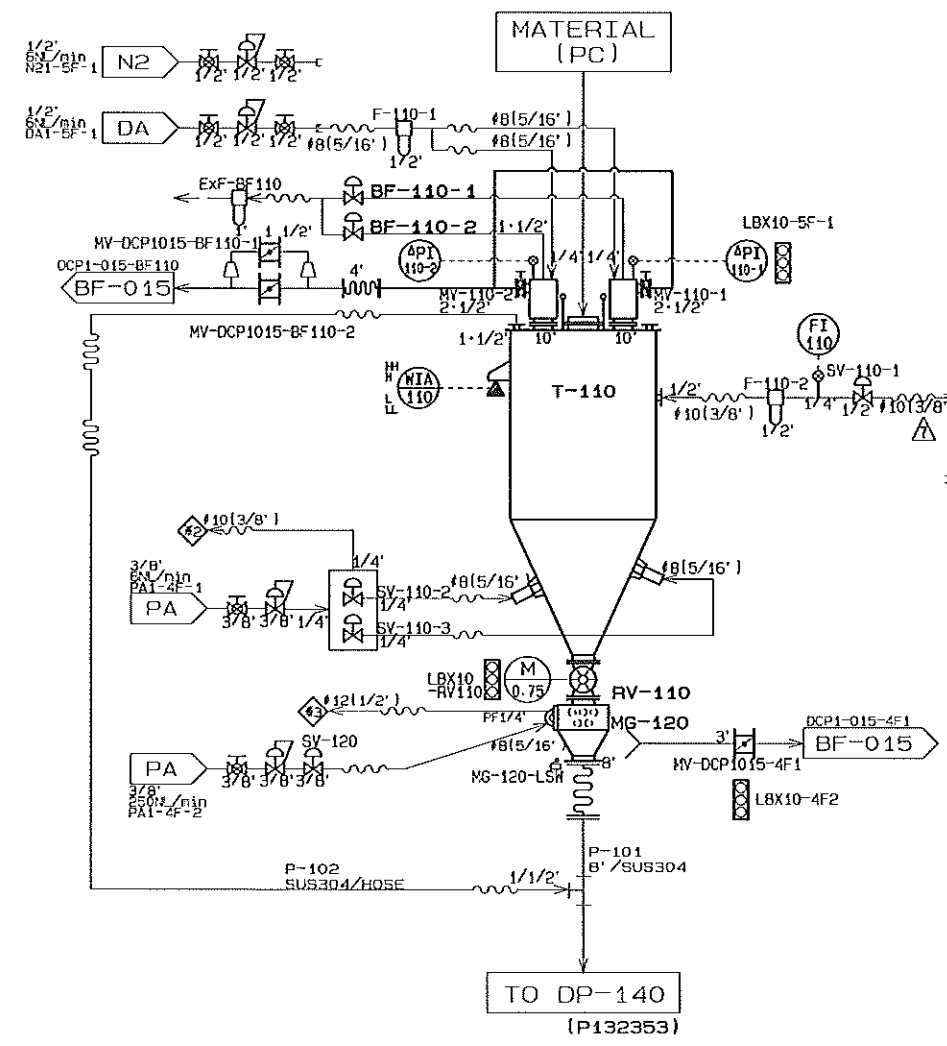


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TagNo.	NAME	QTY	Material	REMARK
A2-T-110	PC MATERIAL HOPPER	1	SUS304, etc	Full Cap. 5.3m3
A2-BF-110-1, -2	AIR FILTER	2	SUS304, etc	EF250AJ
A2-RV-110	ROTARY VALVE	1	SUS304, etc	RM-200S-0SSB
A2-MG-120	MAGNETIC SEPARATOR BAR	1	SUS304, etc	4-5-4-5
A2-T-240	LION HOPPER	1	SUS304, etc	Full Cap. 1.1m3
A2-GTD-240	TANK DISCHARGER	1	SUS304, etc	GTD-10
A2-RV-240	ROTARY VALVE	1	SUS304, etc	RM-200S-0SSB
A2-BF-240	AIR FILTER	1	SUS304, etc	EF125AJ
A2-LCP-10	RAW MATERIAL + MATERIAL WEIGHING CONTROL PANEL	1	CS	
A2-SCO-210	SCREW CONVEYER	1	SUS304, etc	SF-20015000L1



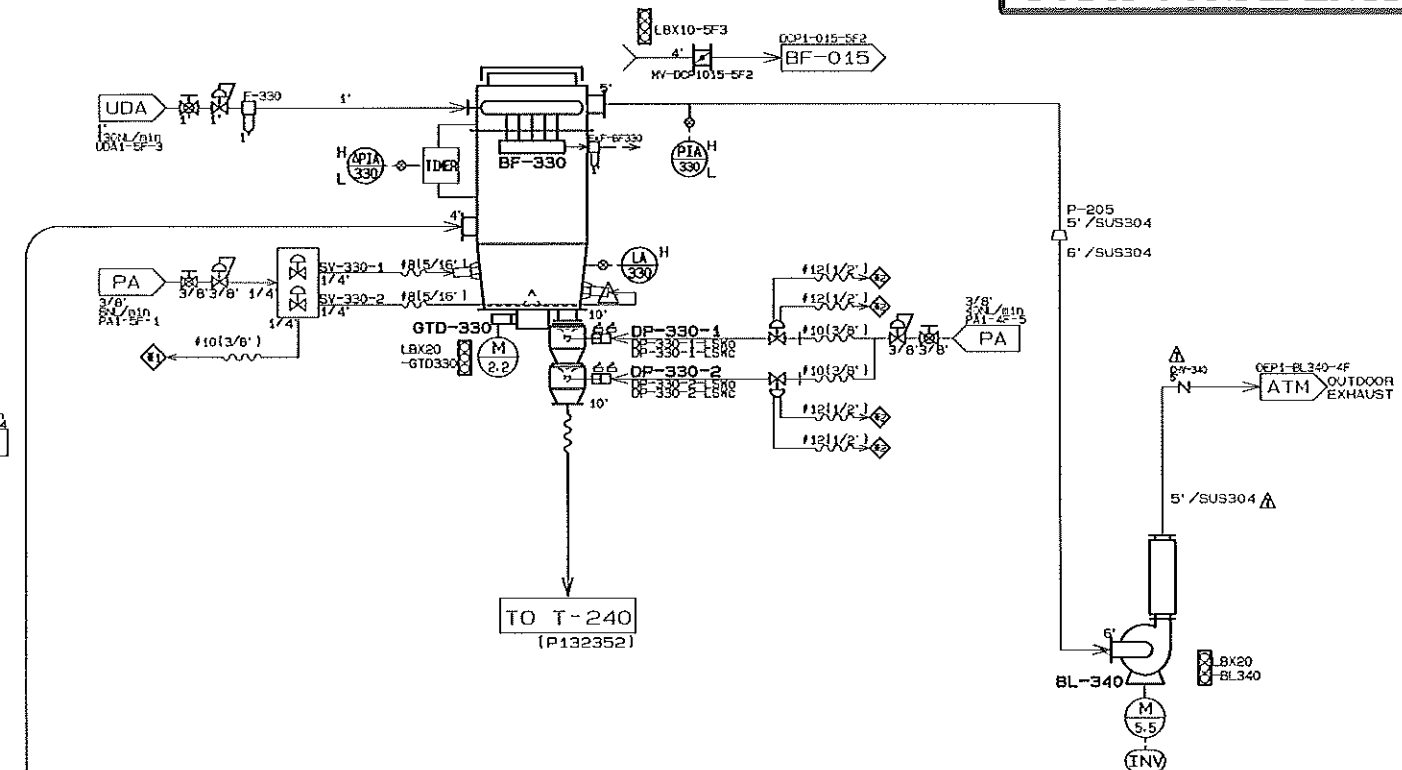
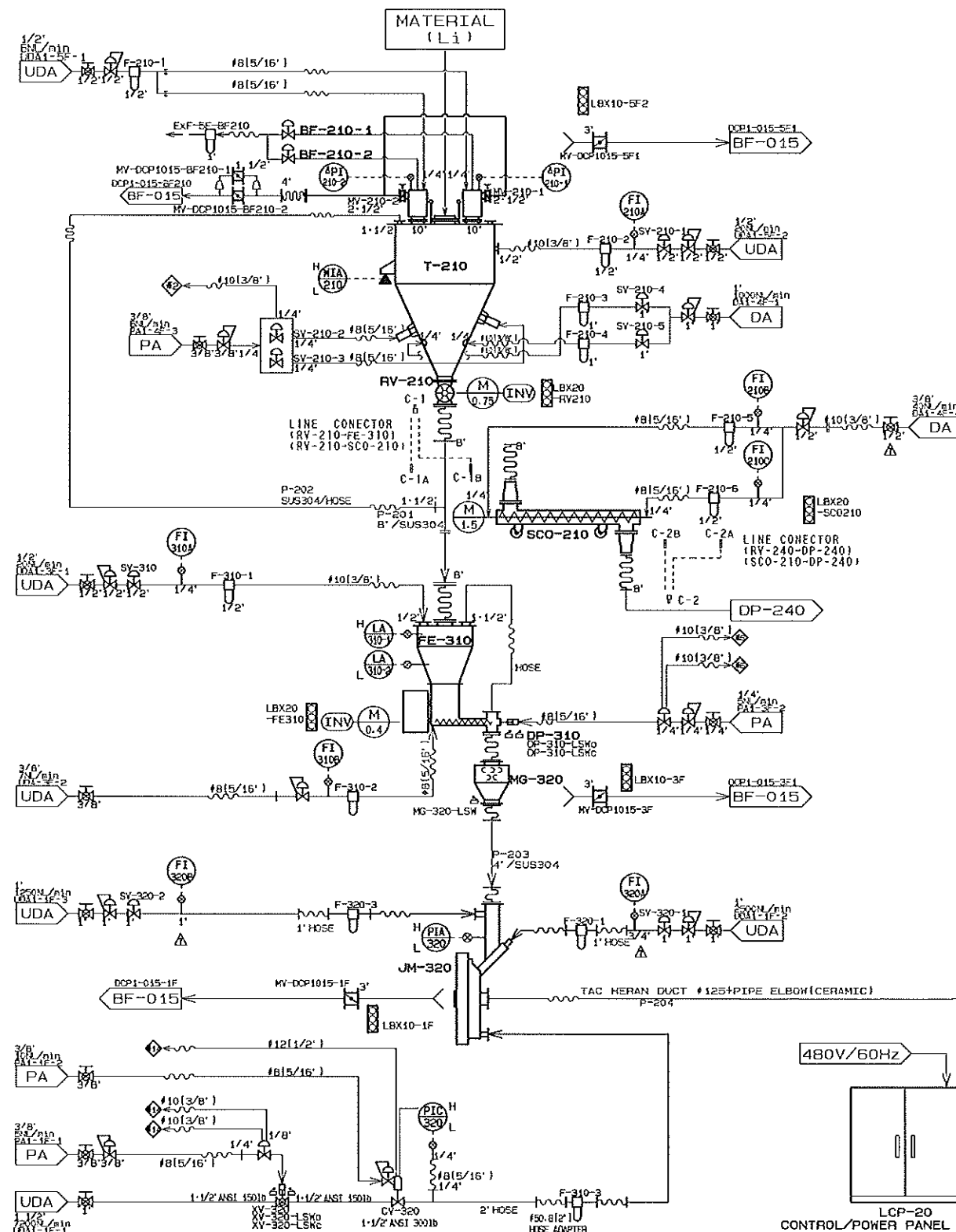
RED:customer scope

△	2014.05.14	T. KISHIGE
△	2014.04.17	T. SAIDA
△	2014.03.19	T. SAIDA
△	2014.01.14	T. HIGASHIWADA
△	2013.12.24	T. HIGASHIWADA
△	2013.11.06	T. SAIDA
△	2013.10.31	T. HIGASHIWADA
△	2013.09.26	Y. U

APPROVED	T. UEMURA	DRAWN ON	2014.03.19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	RAW MATERIAL PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (1/9)
E.D.P CODE				DRAWING NO.	P132352

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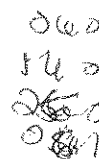
TagNo.	NAME	Q' Yr	Material	REMARK
A2-T-210	LI MATERIAL HOPPER	1	SUS304, etc	Full Cap. 6.8m3
A2-BF-210-1, -2	AIR FILTER	2	SUS304, etc	EF250AJ
A2-RV-210	ROTARY VALVE	1	SUS304, etc	RM-200S-0SS8
A2-FE-310	LI OH FEEDER	1	SUS304, etc	FT-50
A2-JM-320	JETMILL	1	Ceramics, etc	315AS
A2-BF-330	PLUS JET COLLECTOR	1	SUS304, etc	TCP-25-4-100Z
A2-GTD-330	TANK DISCHARGER	1	SUS304, etc	GT0-12
A2-DP-330-1,2	DOUBLE DAMPER	1	SUS304, etc	WDA250S-SP
A2-BL-340	TURBO BLOWER	1	CS	
A2-SCO-210	SCREW CONVEYER	1	SUS304, etc	SF-200(5000L)
A2-LCP-20	LI PULVERIZING CONTROL PANEL	1	CS	

APPROVED	T. UEMURA	DRAWN ON	2014. 03. 19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	LI PULVERIZING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (2/9)
EDP CODE				DRAWING NO.	P132351

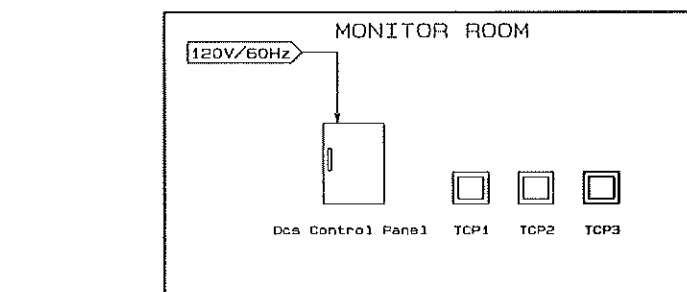
HOSOKAWA MICRON CORPORATION

REV	DATE	DESCRIPTION
1	2014.05.14	T. KISHIGE
2	2014.04.18	T. KISHIGE
3	2014.03.18	T. SAIDA
4	2014.01.12	T. KISHIGE
5	2013.12.24	T. KISHIGE
6	2013.11.04	T. SAIDA
7	2013.10.31	T. KISHIGE
8	2013.09.26	T. Y.

RED:customer scope



Teg No.	NAME	Q'TY	MATERIAL	REMARK
A2-DP-140	DAMPER	1	SUS304, etc	8B
A2-BF-150	Air Filter	1	SUS304, etc	EF125AJ
A2-T-150	HOPPER SCALE (PC Material)	1	SUS304, etc	Full Cap. 180L
A2-WF-180	PC LOSS-IN-WEIGHT FEEDER	1	SUS304, etc	FT-75
A2-DP-180	DAMPER	1	SUS304, etc	
A2-DP-240	DAMPER	1	SUS304, etc	8B
A2-BF-250	AIR FILTER	1	SUS304, etc	EF125AJ
A2-T-250	HOPPER SCALE (L10H or L12003)	1	SUS304, etc	Full Cap. 250L
A2-WF-280	L12039 LOSS-IN-WEIGHT FEEDER	1	SUS304, etc	FT-75
A2-DP-280	DAMPER	1	SUS304, etc	
A2-HF-040	HOPPER(OTHER Material)	1	SUS304, etc	Full Cap. 0.95m3
A2-BF-040	AIR FILTER	1	SUS304, etc	EF125AJ
A2-GD-040	TANK DISCHARGER	1	SUS304, etc	GD-10
A2-RV-040	ROTARY VALVE	1	SUS304, etc	RM-200S-OSSB
A2-DP-040	DAMPER	1	SUS304, etc	8B
A2-BF-050	AIR FILTER	1	SUS304, etc	EF125AJ
A2-T-050	HOPPER SCALE (OTHER Material)	1	SUS304, etc	Full Cap. 180L
A2-WF-080	A LOSS-IN-WEIGHT FEEDER	1	SUS304, etc	FT-50
A2-DP-080	DAMPER	1	SUS304, etc	
A2-HF-041	HAND FEED HOPPER	1	SUS304, etc	
A2-DP-041	DAMPER	1	SUS304, etc	8B
A2-BF-051	AIR FILTER	1	SUS304, etc	EF125AJ
A2-T-051	HOPPER SCALE (OTHER MATERIAL)	1	SUS304, etc	Full Cap. 180L
A2-WF-061	B LOSS-IN-WEIGHT FEEDER	1	SUS304, etc	FT-50
A2-DP-061	DAMPER	1	SUS304, etc	
A2-T-410	MIXING HOPPER	1	SUS304, etc	Full Cap. 1.2m3
A2-BF-410	AIR FILTER	1	SUS304, etc	EF125AJ
A2-DP-410	DAMPER	1	SUS304, etc	10B
A2-BT-010	BUFFER TANK	1	SUS304, etc	
A2-BF-015	PLUS JET COLLECTOR	1	SUS304, etc	SP-36-8
A2-LCP-10	MINIPLANT + MATERIAL WEIGHING CONTROL PANEL	1	CS	
--	DCS CONTROL PANEL			
TCP-1	TOUCH PANEL			
TCP-2	TOUCH PANEL			
TCP-3	TOUCH PANEL			



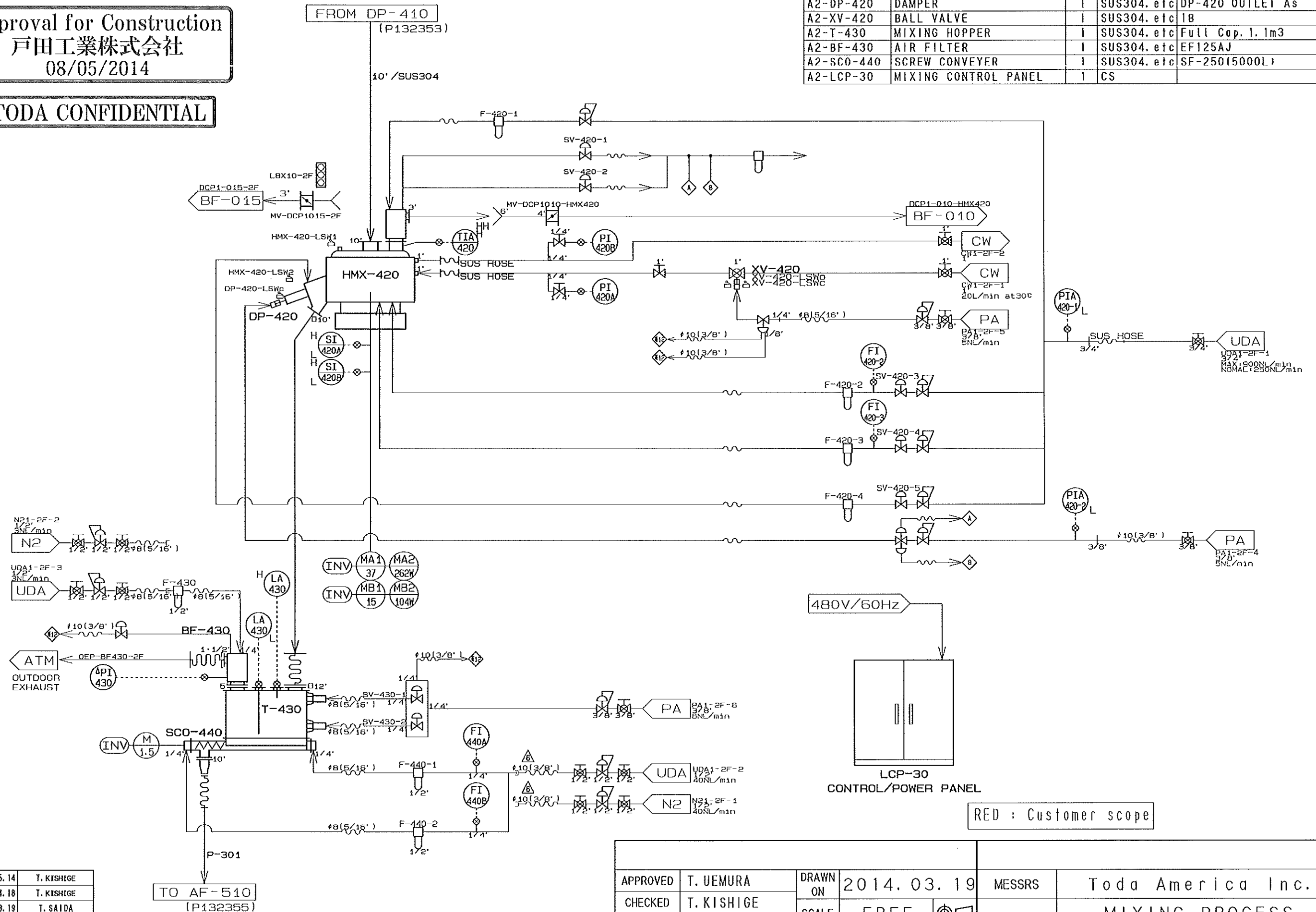
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戸田工業株式会社
08/05/2014

APPROVED	T. UEMURA	DRAWN ON	2014. 03. 19		MESSRS	Toda America Inc.	
CHECKED	T. KISHIGE		SCALE	FREE		TITLE	MATERIAL WEIGHING PROCESS FLOW SHEET (3/9)
DRAWN	T. SAIDA						
EDP CODE							
 HOSOKAWA MICRON CORPORATION					DRAWING NO.	P132353 	

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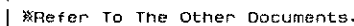
Tag No.	NAME	Q'TY	MATERIAL	REMARK
A2-HMX-420	HIGH SPEED MIXER	1	SUS304, etc	FS-GS-400J
A2-DP-420	DAMPER	1	SUS304, etc	DP-420 OUTLET As
A2-XV-420	BALL VALVE	1	SUS304, etc	1B
A2-T-430	MIXING HOPPER	1	SUS304, etc	Full Cap. 1.1m3
A2-BF-430	AIR FILTER	1	SUS304, etc	EF125AJ
A2-SCO-440	SCREW CONVEYER	1	SUS304, etc	SF-250(5000L)
A2-LCP-30	MIXING CONTROL PANEL	1	CS	



SYMBOL	NAME
M	MOTOR
INV	INVERTER
PI	PRESSURE INDICATOR
PIA	PRESSURE INDICATOR ALARM
API	ANALOGICAL PRESSURE INDICATOR
TIA	TEMPERATURE INDICATOR ALARM
FI	FLOW INDICATOR
FIA	FLOW INDICATOR ALARM
SI	SPEED INDICATOR
SIA	SPEED INDICATOR ALARM
WIA	WEIGHT INDICATOR ALARM
WIA	WEIGHT INDICATOR ALARM
WICA	WEIGHT INDICATOR CONTROLLER + ALARM
WICR	WEIGHT INDICATOR CONTROLLER + RECORD
LS	LEVEL SENSOR
ODIA	OXYGEN CONCENTRATION INDICATOR ALARM
ODIJA	OXYGEN CONCENTRATION INDICATOR ALARM
WGA	EXHAUSTING CARBONIC ACID GAS
CA	COMBUSTION AIR
PA	PRESSURE AIR
ATM	ATMOSPHERE
CV	COOLING WATER

SYMBOL	NAME
	REDUCING VALVE
	SOLENOID VALVE
	FILTER
	MANUAL VALVE
	BUTTERFLY VALVE
	MANUAL BUTTERFLY VALVE
	BALL VALVE
	MANUAL BALL VALVE
	NEEDLE VALVE
	CHECK VALVE
	SAFETY VALVE
	FLEXIBLE HOSE
	FLOW SIGHT
	AIR VIBRATOR
	AIR KNOCKER
	LIMIT SWITCH
	LOCAL
	MANUAL SWITCH BOX
	IDENTIFICATION ON CONTROL PANEL
	COLLECTING POINT

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08/14/2014

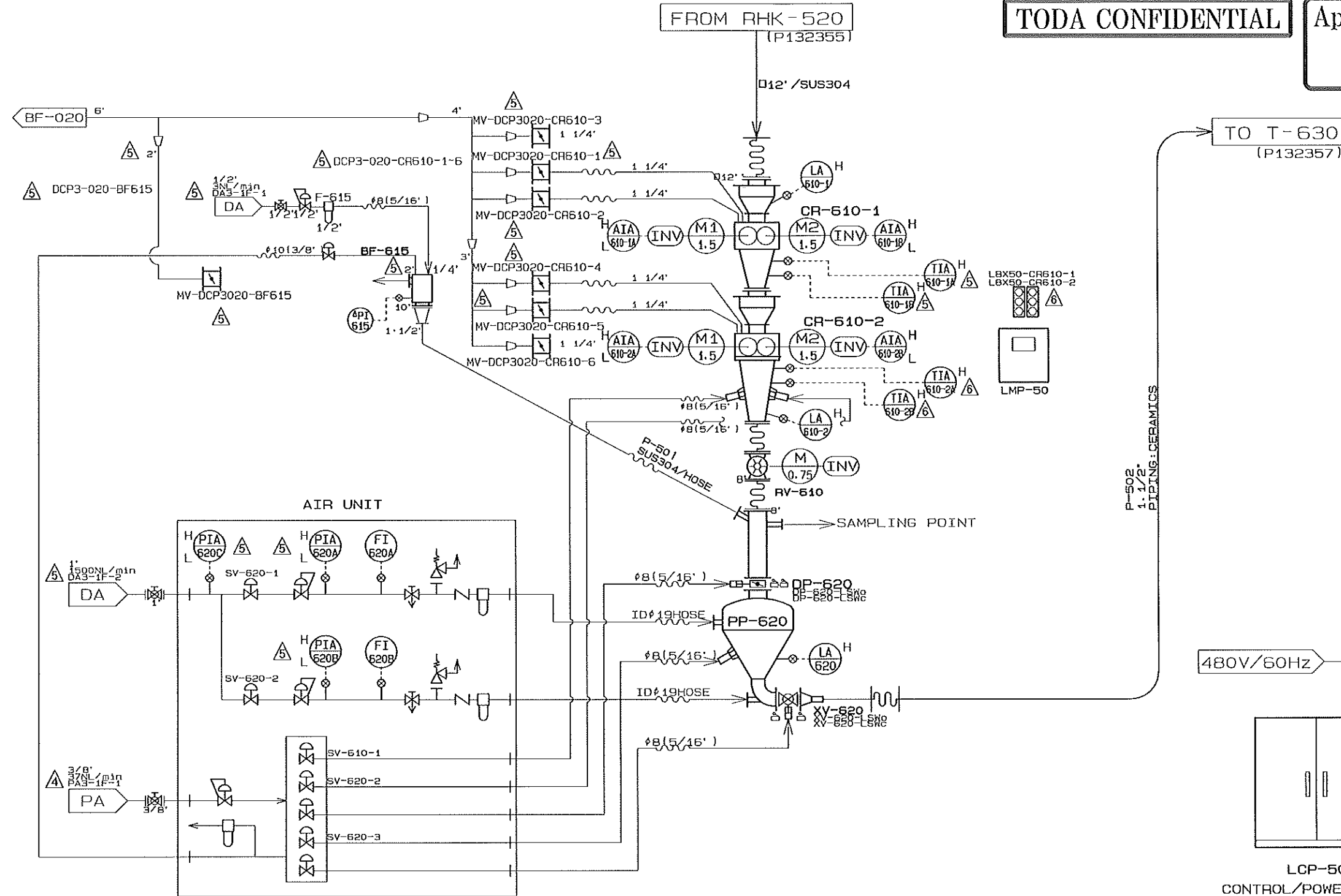


APPROVED	T. UEMURA	DRAWN ON 2014.04.28	MESSRS	Toda America Inc.		
CHECKED	T. KISHIGE			TITLE	HEATING PROCESS	
DRAWN	M. X				FLOW SHEET (5/9)	
EXP. DATE					SCALE	FREE
		SERIAL NO.	5140025	DRAWING NO.	P132355	
HOSOKAWA MICRON CORPORATION						

TagNo.	NAME	Q' Yr	Material	REMARK
A2-CR-610-1.2	ROLL CRUSHER	1	Ceramics, etc	MRCA-1-2S
A2-BF-615	AIR FILTER	1	SUS304, etc	EF250AJ
A2-RV-610	ROTARY VALVE	1	SUS304, etc	RM-200S-0SSB
A2-DP-620	DAMPER	1	SUS304, etc	10B
A2-PP-620	PNEUMATIC CONVEYER	1	SUS304, etc	RAFB-5(15-30)-SU3
A2-XV-620	BALE VALVE	1	Ceramics, etc	1-1/2B
A2-LCP-50	Pre-PULVERIZING CONTROL PANEL	1	CS	

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480V/60Hz

LCP-50
CONTROL/POWER PANEL

RED:customer scope

REV	DATE	DESCRIPTION
6	2014.07.04	T. KISHIGE
5	2014.04.22	T. KISHIGE
4	2014.03.20	T. SAIDA
3	2014.01.20	T. HIGASHIWADA
2	2013.12.24	T. HIGASHIWADA
1	2013.10.31	T. HIGASHIWADA
0	2013.09.26	Y. U

APPROVED	T. UEMURA	DRAWN ON	2014.07.04	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	Pre-PULVERIZING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET(6/9)
E.D.P CODE				DRAWING NO.	P132356 6

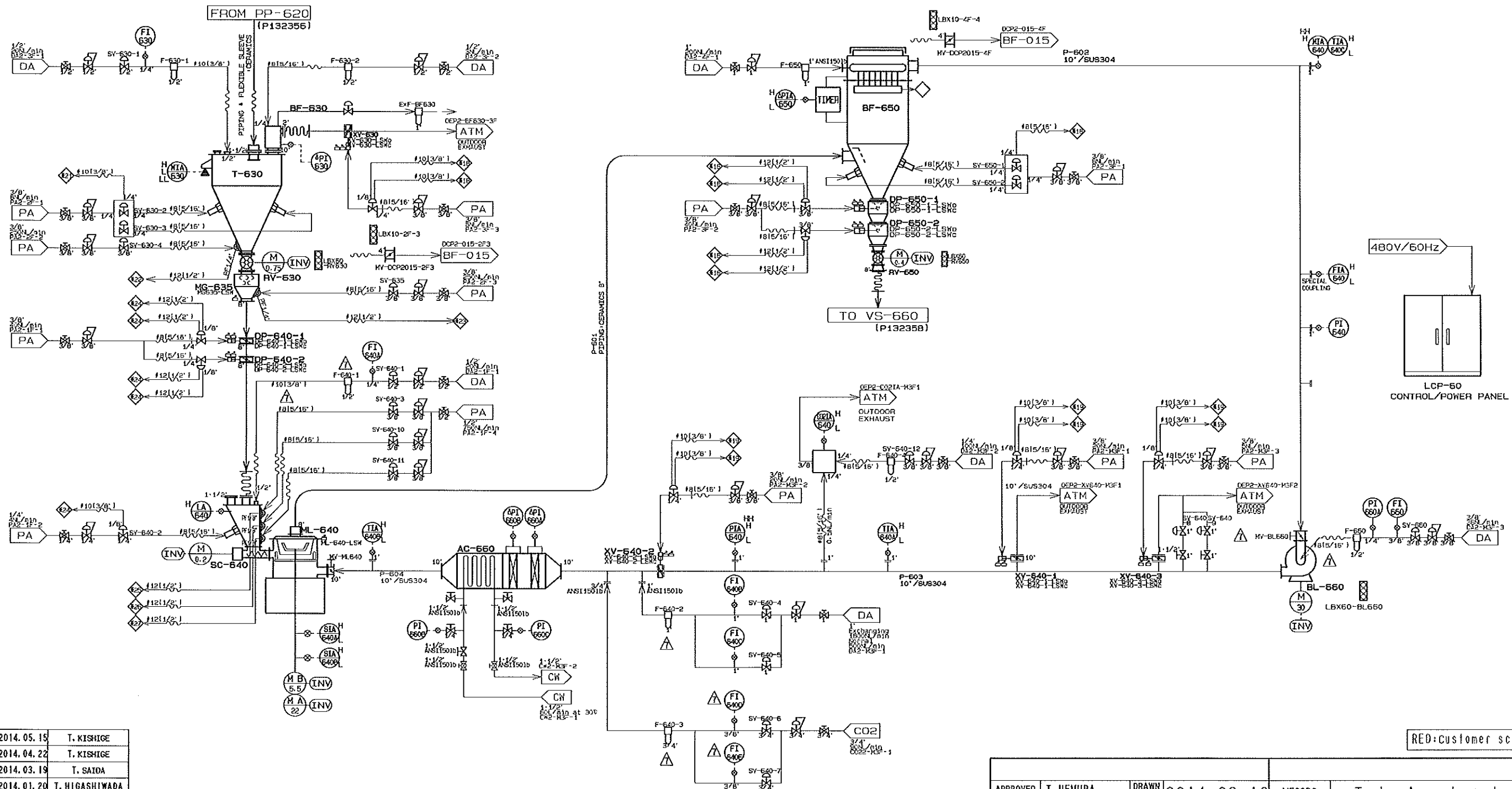


HOSOKAWA MICRON CORPORATION
OSAKA/TOKYO/JAPAN

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戸田工業株式会社
08/05/2014

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TagNo.	NAME	QTY	Material	REMARK
A2-T-630	NCM/NCA HOPPER	1	SUS304 etc.	Full Cap. 5.8m3
A2-BF-630	AIR FILTER	1	SUS304 etc.	100
A2-XV-630	DAMPER	1	SUS304 etc.	20
A2-RV-630	ROTARY VALVE	1	SUS304 etc.	RM-200S-OSSB
A2-DP-640-1,2	DOUBLE DAMPER	1	SUS304 etc.	80
A2-SC0-640	SCREW FEEDER FOR ACM-30A	1	SUS304 etc.	
A2-ML-640	ACM PULVERIZER	1	SUS304 etc.	ACM-30A
A2-BF-650	PLUS JET COLLECTOR	1	SUS304 etc.	TCP-56-8-100Z
A2-DP-650-1,2	DOUBLE DAMPER	1	SUS304 etc.	WDA200S-SP
A2-BL-660	TURBO BLOWER	1	SUS304 etc.	
A2-AC-660	PLATE-FIN EXCHANGER	1	SUS304 etc.	72c-37c (45m3/min)
A2-XV-640-1,2	DAMPER	2	SUS304 etc.	100
A2-XV-640-3	DAMPER	1	SUS304 etc.	1-1/2B
A2-LCP-60	PULVERIZING CONTROL PANEL	1	CS	



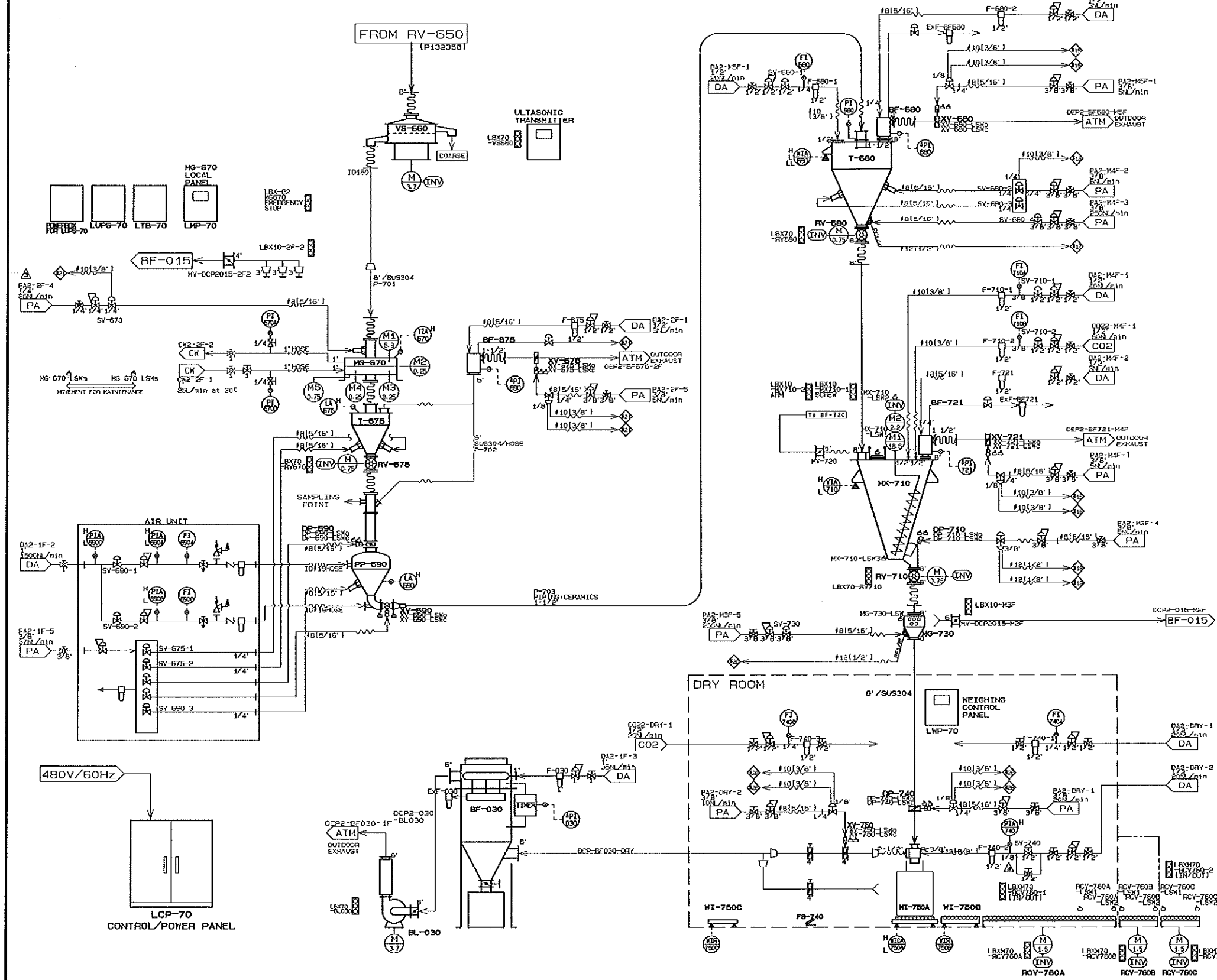
RED:customer scope

APPROVED	T. UEMURA	DRAWN ON	2014. 03. 19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	ACM PULVERIZING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLWSHEET (7/9)
EDP CODE				DRAWING NO.	P132357

HOSOKAWA MICRON CORPORATION

REV	DATE	DESCRIPTION
2014. 05. 15	T. KISHIGE	
2014. 04. 22	T. KISHIGE	
2014. 03. 19	T. SAIDA	
2014. 01. 20	T. HIGASHIWADA	
2013. 12. 24	T. HIGASHIWADA	
2013. 11. 06	T. SAIDA	
2013. 10. 31	T. HIGASHIWADA	
2013. 09. 26	Y. U	

A2



Tag No.	NAME	QTY	Material	REMARK
A2-VS-660	SIEVE WITH ULTRASONIC	1	SUS304 etc.	KFSR-1200AS-10S
A2-MG-670	MAGNETIC SEPARATOR	1	SUS304 etc.	CG-150HH
A2-T-675	NCV/NCA HOPPER	1	SUS304 etc.	Full Cap. 0.8m3
A2-RV-675	ROTARY VALVE	1	SUS304 etc.	RM-200S-05SB
A2-BF-675	AIR FILTER	1	SUS304 etc.	EF125AJ
A2-DP-680	DAMPER	1	SUS304 etc.	1-1/2
A2-PP-690	PNEUMATIC CONVEYER	1	SUS304 etc.	RFMF-5115-301 GUS
A2-XY-690	BALL VALVE	1	SUS304 etc.	1-1/2
A2-T-680	NCV/NCA HOPPER	1	SUS304 etc.	Full Cap. 0.8m3
A2-BF-680	AIR FILTER	1	SUS304 etc.	EF250AJ
A2-DP-680	DAMPER	1	SUS304 etc.	20
A2-RV-680	ROTARY VALVE	1	SUS304 etc.	RM-200S-05SB
A2-MX-710	MASTA MIXER	1	SUS304 etc.	MX-4000R
A2-DP-710	DAMPER FOR MIX-4000R DISCHARGE	1	SUS304 etc.	EF250AJ
A2-BF-721	AIR FILTER	1	SUS304 etc.	20
A2-RV-721	ROTARY VALVE	1	SUS304 etc.	RM-200S-05SB
A2-BL-720	PLUS JET COLLECTOR	1	CS	SP-6-4K
A2-MG-730	MAGNETIC SEPARATOR BAR	1	SUS304 etc.	4-5-4-5
A2-DP-740	DAMPER	1	SUS304 etc.	80
A2-XY-740	DAMPER	1	SUS304 etc.	40
A2-WI-750A	BALANCE	1	SUS304 etc.	
A2-WI-750B	BALANCE	1	SUS304 etc.	
A2-WI-750C	BALANCE	1	SUS304 etc.	
A2-RCV-750A	CONVEYER	1	SUS304 etc.	Hebait Ball type
A2-RCV-750B	CONVEYER	1	SUS304 etc.	Hebait Ball type
A2-RCV-750C	CONVEYER	1	SUS304 etc.	Hebait Ball type
A2-BF-030	PLUS JET COLLECTOR	1	SUS304 etc.	SP-12-8
A2-BL-720	TURBO BLOWER	1	SUS304 etc.	
A2-LCP-70	MIXING & PACKING CONTROL PANEL	1	CS	
A2-LWP-70	MG-670 MAINTENANCE PANEL	1	CS	

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戸田工業株式会社

08/14/2014

2014.05.15	T. KISHIO
2014.04.21	T. KISHIO
2014.03.18	T. SAIDA
2014.02.13	T. HIGASHIMURA

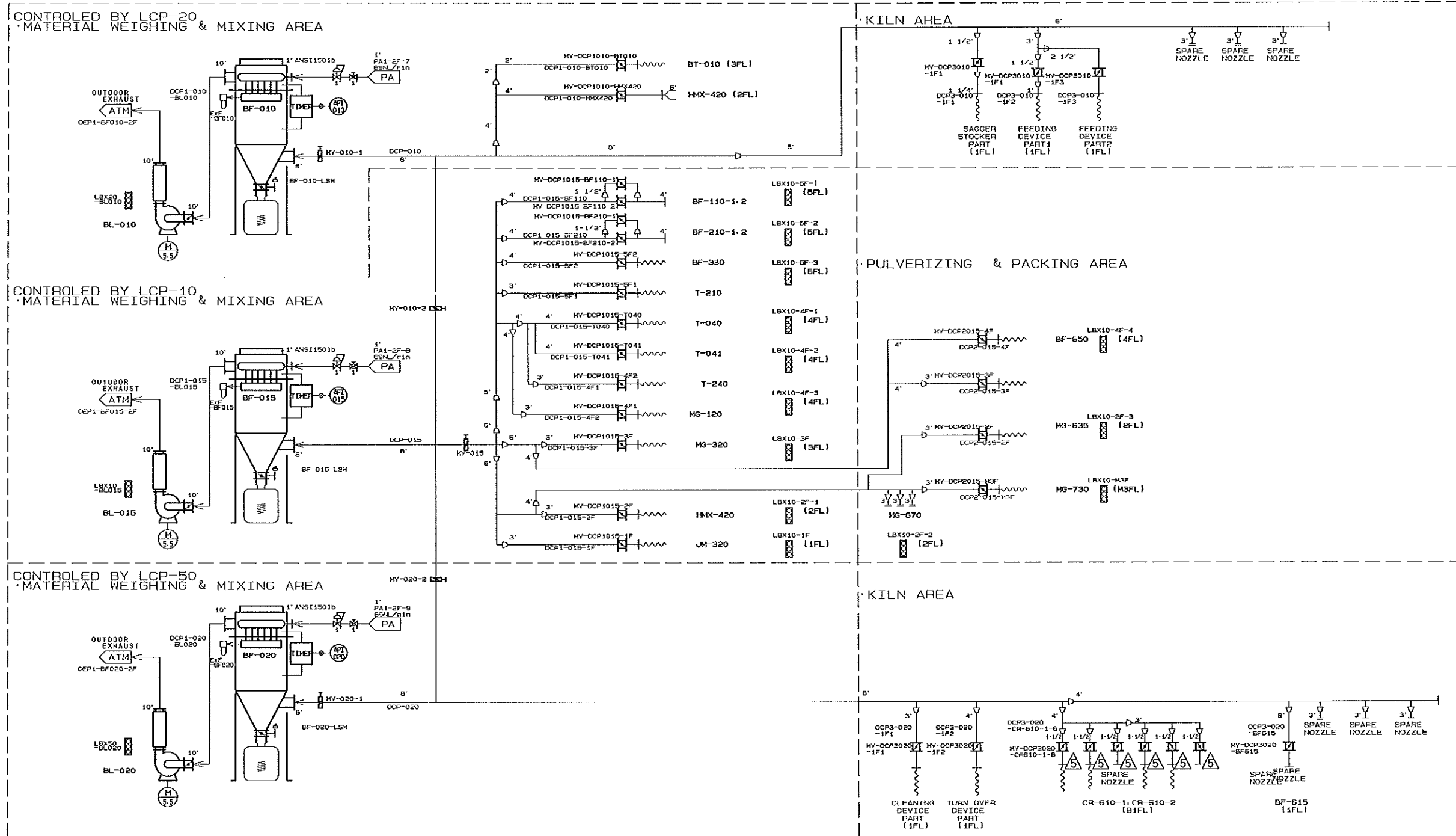
A2

RED:customer scope

APPROVED	T. UEMURA	DRAWN ON	2014.03.19	MESSRS	Toda America Inc.
CHECKED	T. KISHIO	SCALE	FREE	TITLE	MIXING&PACKING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (8/9)
EDP CODE				DRAWING NO.	P136099



TAG No.	NAME	Q'TY	MATERIAL	REMARKS
BF-010	Puls Jet Collector	1	SUS304.etc	SP-35-B
BL-010	Turbo Blower	1	CS.etc	
BF-015	Puls Jet Collector	1	SUS304.etc	SP-35-B
BL-015	Turbo Blower	1	CS.etc	
BF-020	Puls Jet Collector	1	SUS304.etc	SP-35-B
BL-020	Turbo Blower	1	CS.etc	



RED:Customer scope

6	2014.05.15	T. KISHIGE
5	2014.04.23	T. KISHIGE
4	2014.03.19	T. SAIDA
3	2014.02.15	T. HIGASHIWADA
2	2013.11.06	T. SAIDA
1	2013.10.31	T. HIGASHIWADA
0	2013.10.21	T. HIGASHIWADA
A2	REV	DATE
		DESCRIPTION

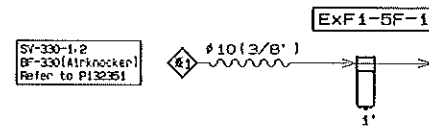
TODA CONFIDENTIAL

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戸田工業株式会社
08/05/2014

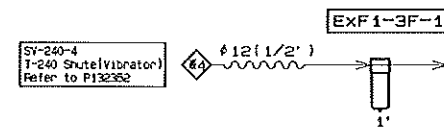
APPROVED	T. UEMURA	DRAWN ON	2014.03.19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	DUST COLLECTING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (9/9)
EDP CODE				DRAWING NO.	P132956

HOSOKAWA MICRON CORPORATION

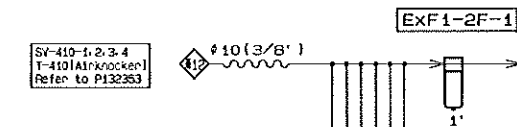
5FL



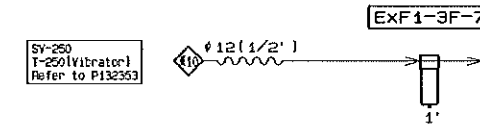
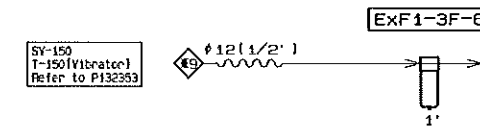
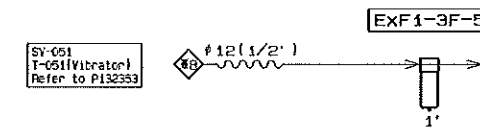
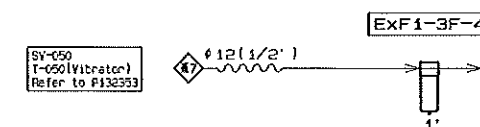
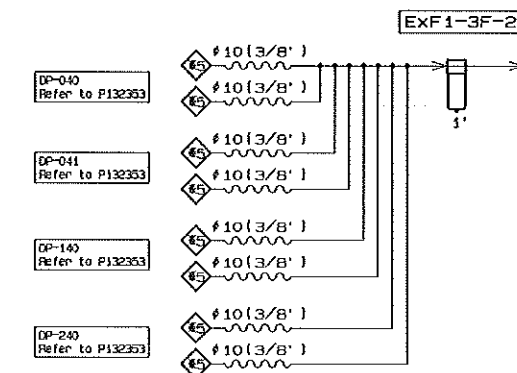
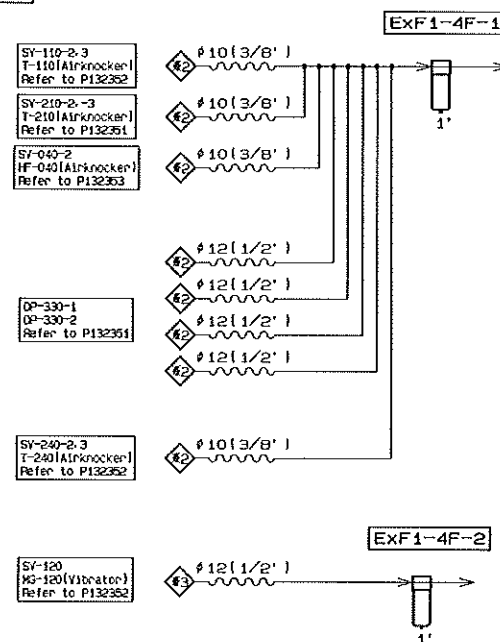
3FL



2FL



4FL



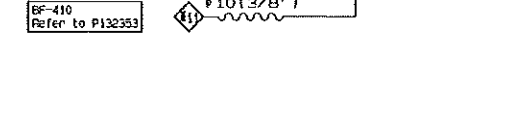
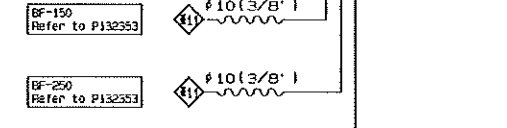
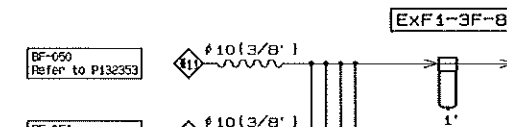
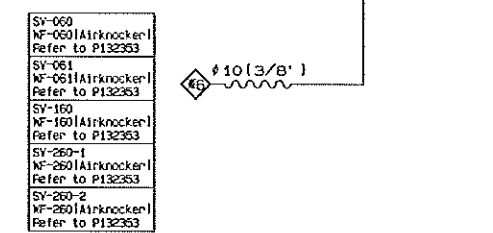
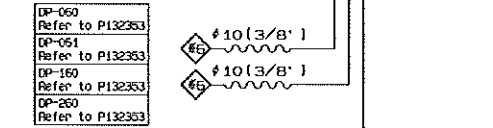
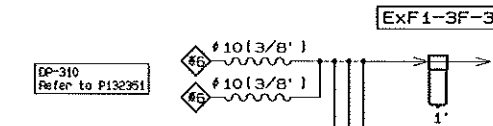
DP-410, Refer to P132353

XV-420, Refer to P132354

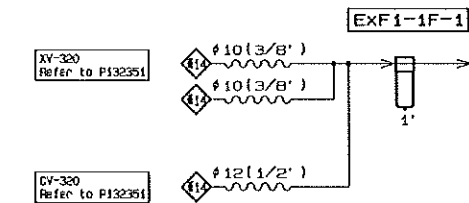
SY-430-1.2, T-430(Airknocker), Refer to P132354

BF-430, Refer to P132354

SY-410-5, T-410(Vibrator), Refer to P132353



1FL



RED: Customer Scope

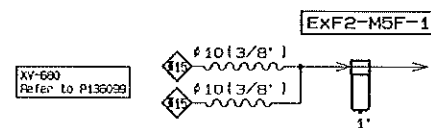
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08/05/2014

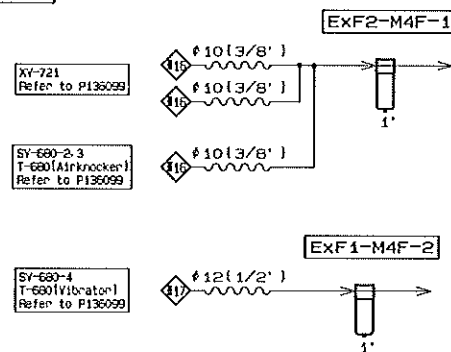
APPROVED	T. UEMURA	DRAWN ON	2014. 04. 21	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	MATERIAL WEIGHING & MIXING AREA
DRAWN	H. K	SERIAL NO.	5140025		COMPRESSED GAS EXHAUST FLOW SHEET
E.D.P CODE				DRAWING NO.	P138249

HOSOKAWA MICRON CORPORATION
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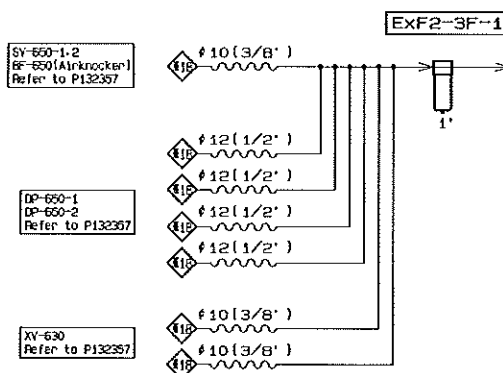
M5FL



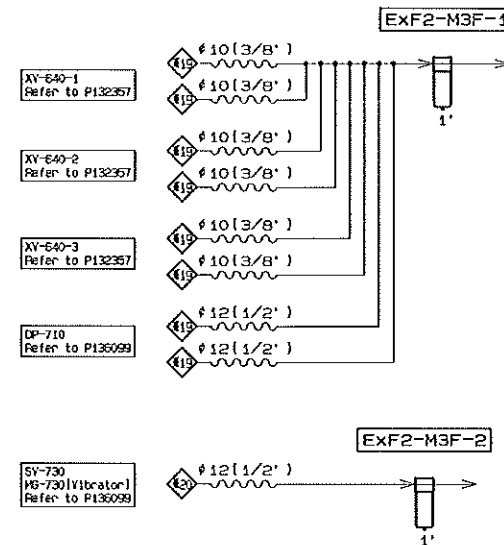
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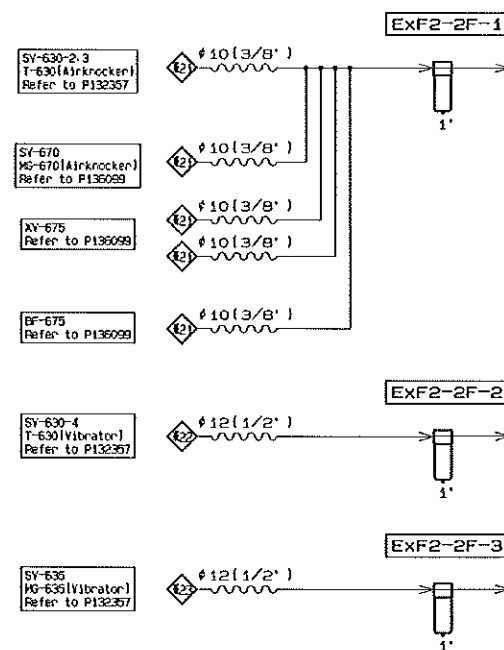
3FL



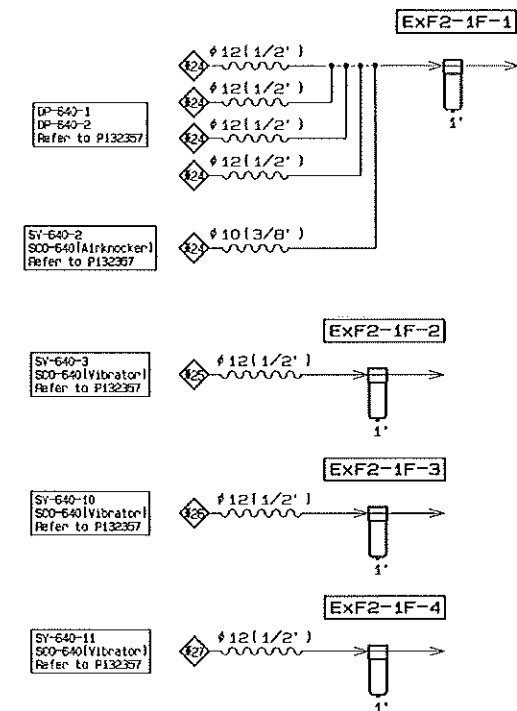
M3FL



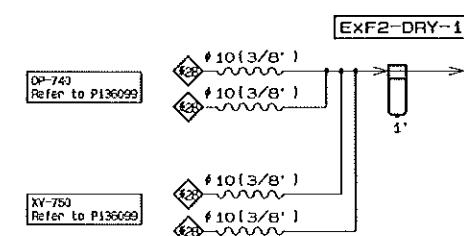
2FL



1FL



DRY ROOM



Red: Customer Scope

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08/05/2014

APPROVED	T. UEMURA	DRAWN ON	2014. 04. 22	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	ACM-PULVERIZING & MIXING PACKING AREA
DRAWN	H. K	SERIAL NO.	5140025		COMPRESSED GAS EXHAUST FLOW SHEET
E.D.P CODE				DRAWING NO.	P138261

HOSOKAWA MICRON CORPORATION
OSAKA/TOKYO JAPAN