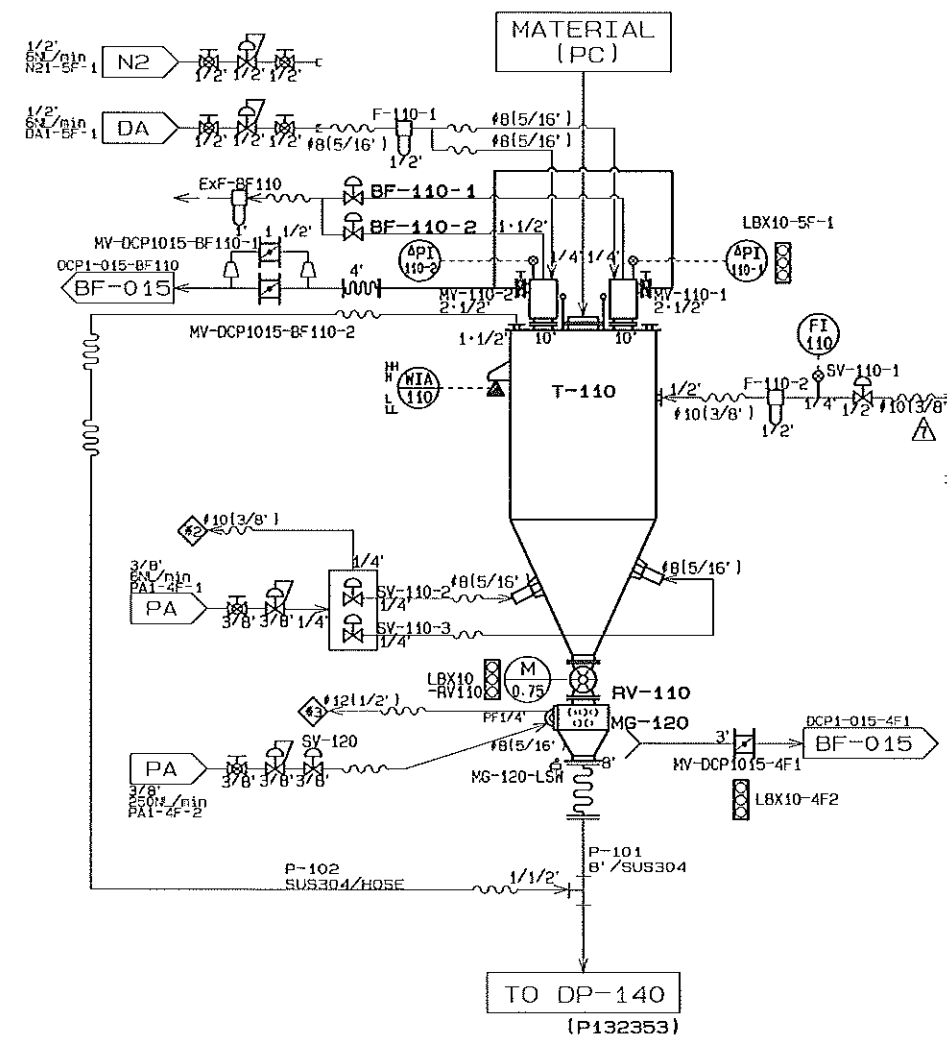


Approval for Construction
戸田工業株式会社
08/05/2014

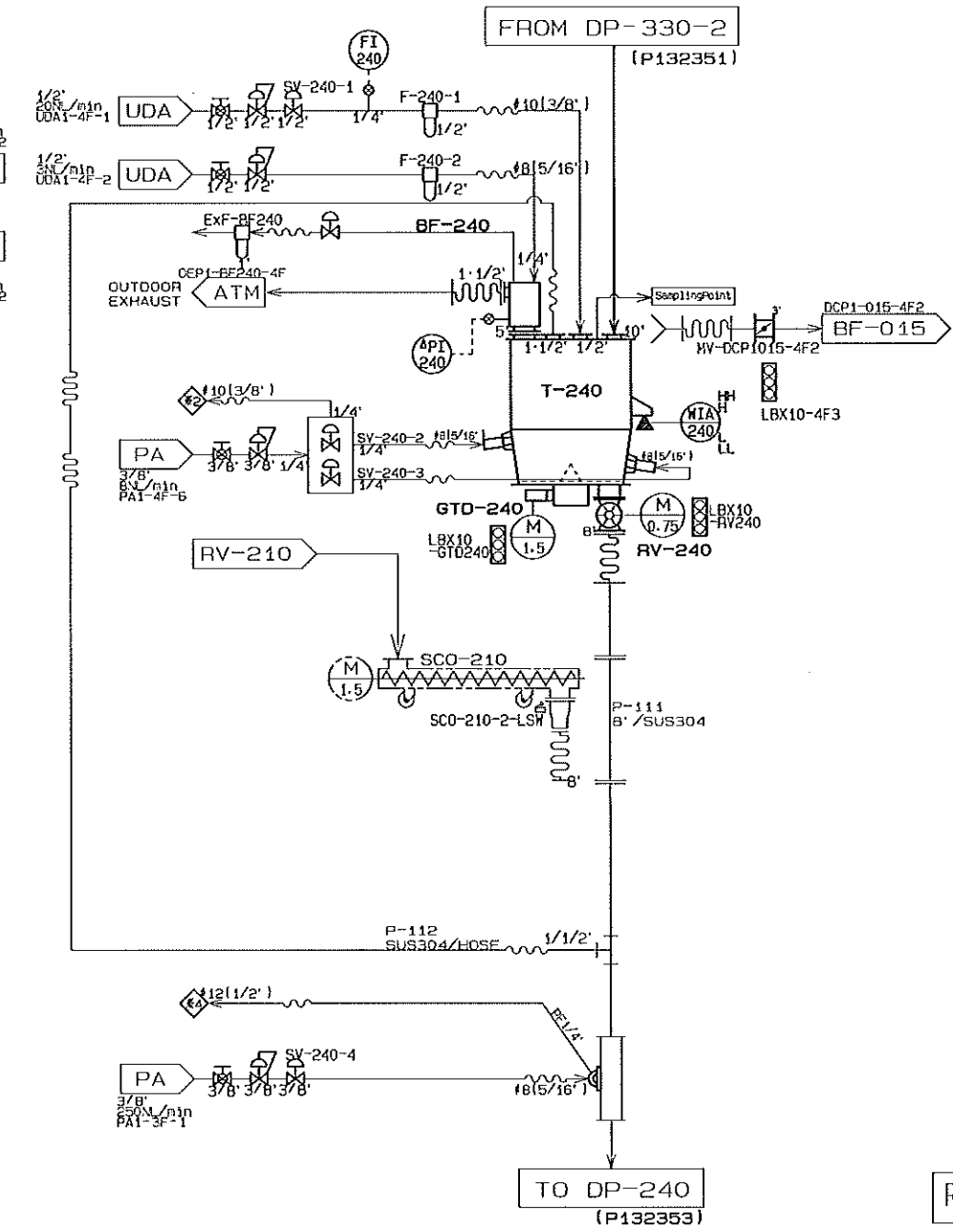
TODA CONFIDENTIAL

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



480V/60Hz

LCP-10
CONTROL/POWER PANEL
*INCLUDING OF BF-015 CONTROL



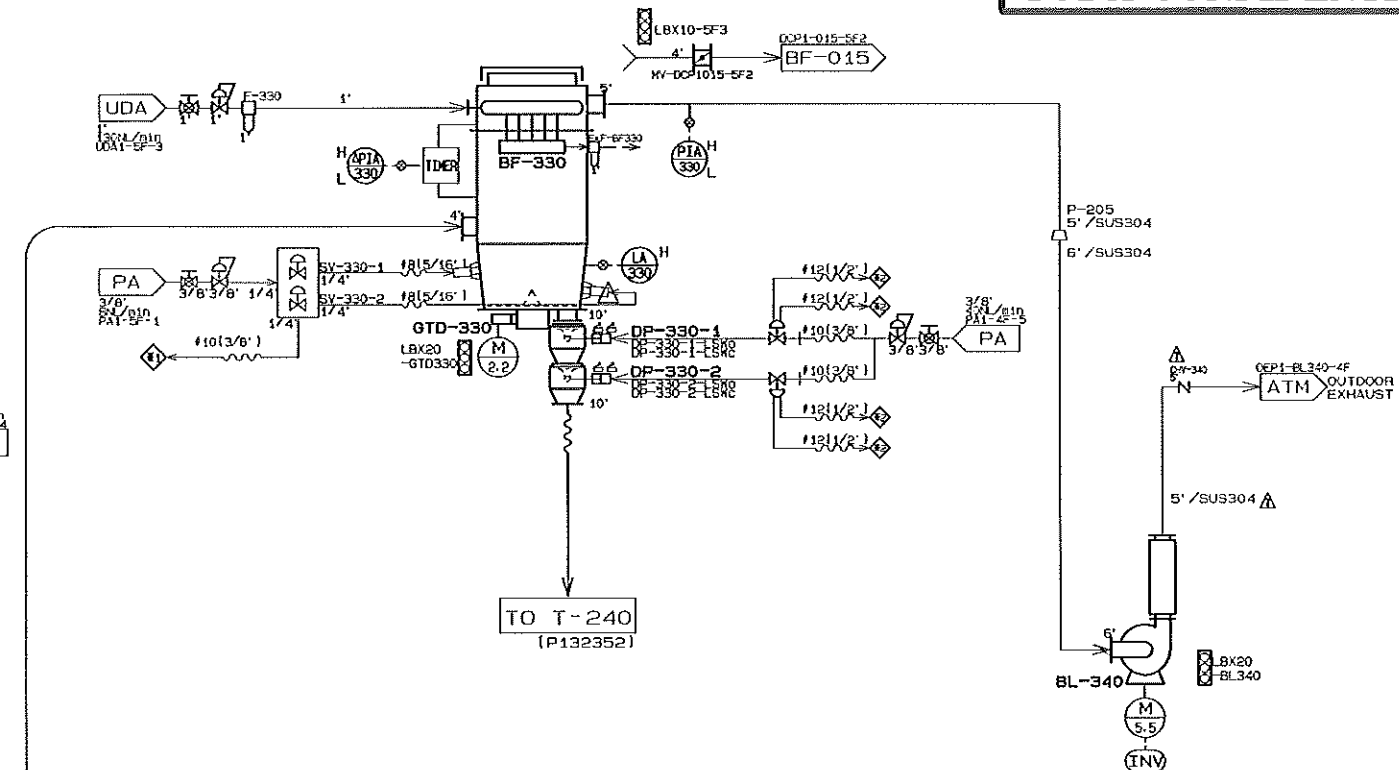
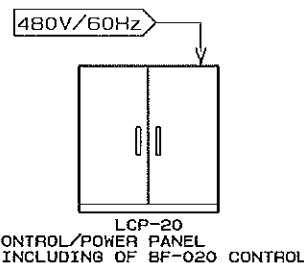
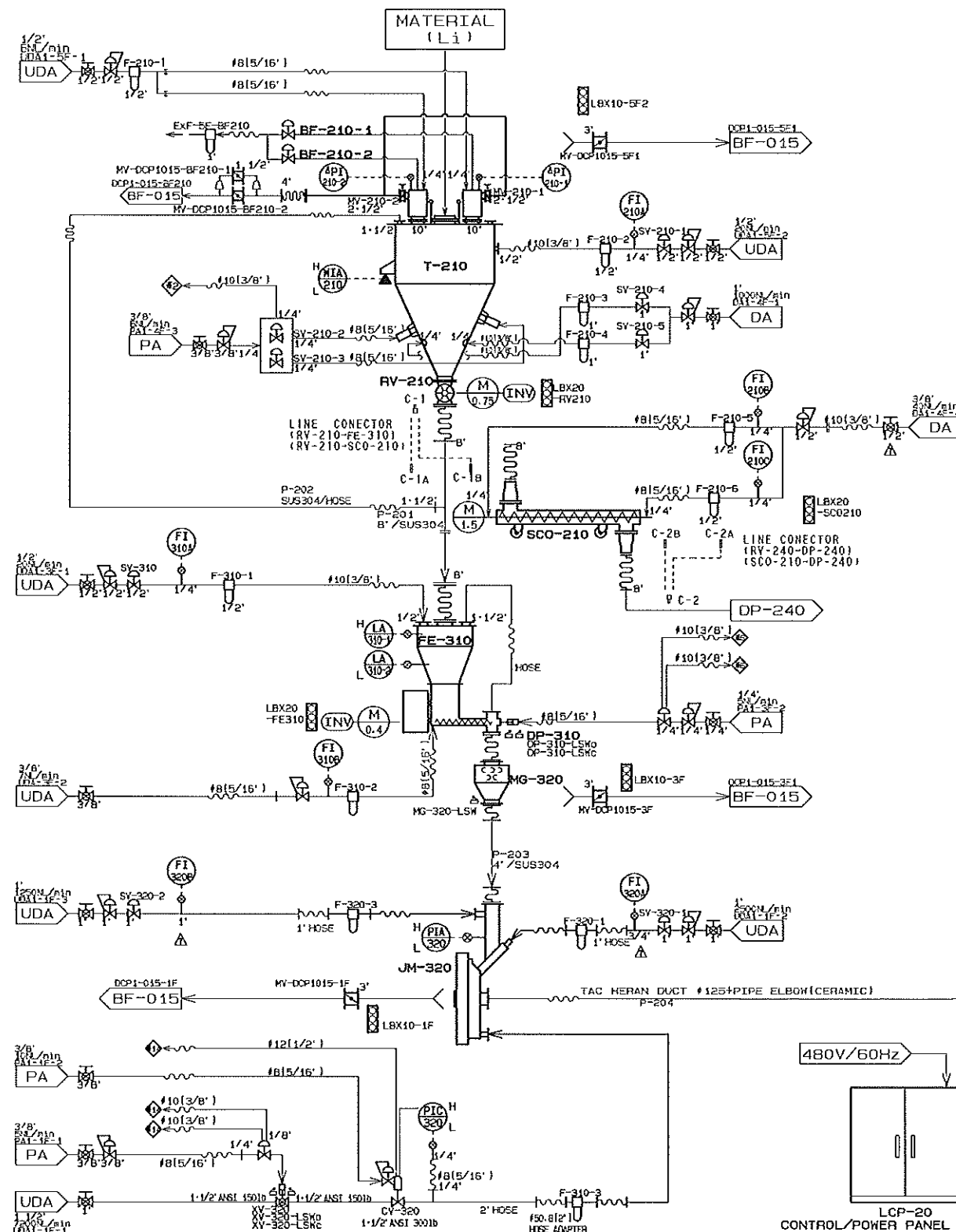
RED:customer scope

△	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
REV	DATE	DESCRIPTION

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
HOSOKAWA MICRON CORPORATION OSAKA/TOKYO JAPAN					

Approval for Construction
戸田工業株式会社
08/05/2014

TODA CONFIDENTIAL



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

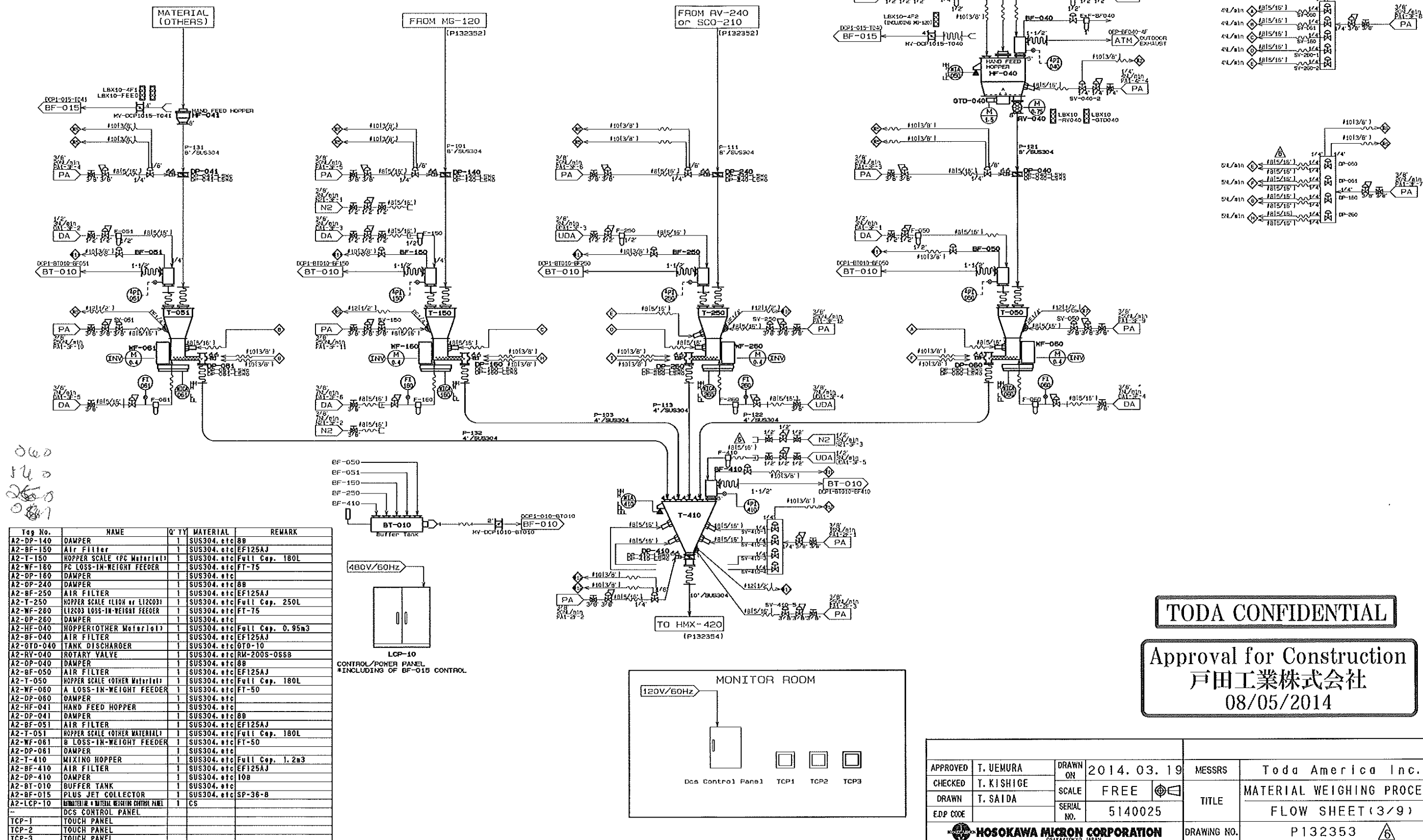
RED:customer scope

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.

A2

ORIG.No. P091809 RED : Customer scope

REV	DATE	DESCRIPTION
2013.09.28	Y. U	
2013.10.31	T. HIGASHIWADA	
2013.12.24	T. HIGASHIWADA	
2014.01.17	T. HIGASHIWADA	
2014.03.19	T. SAIDA	
2014.04.18	T. KISHIGE	
2014.05.14	T. KISHIGE	



TODA CONFIDENTIAL

Approval for Construction
戸田工業株式会社
08/05/2014

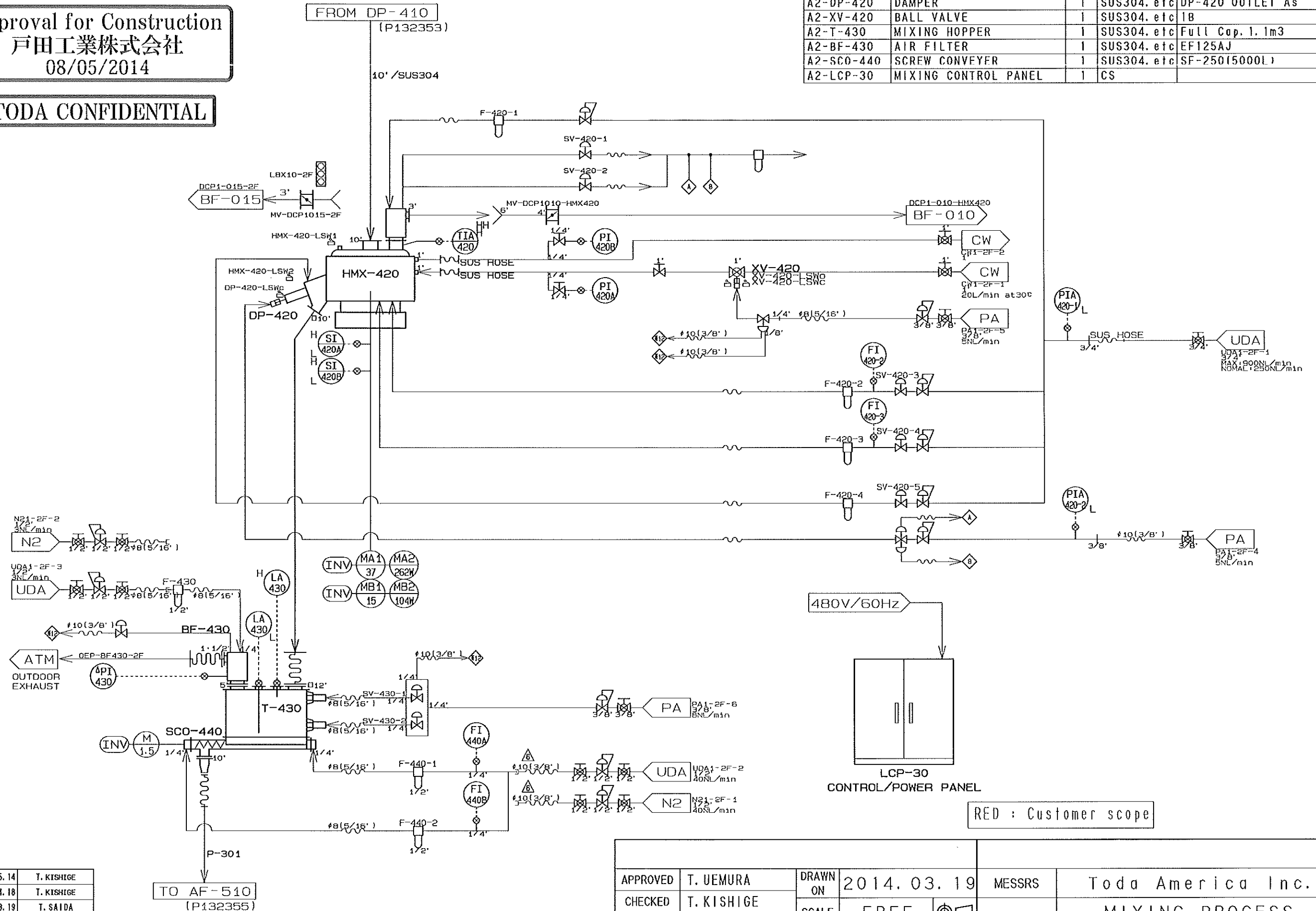
APPROVED	T. UEMURA	DRAWN ON	2014.03.19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	MATERIAL WEIGHING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (3/9)
EDP CODE				DRAWING NO.	P132353

HOSOKAWA MICRON CORPORATION

Approval for Construction
戸田工業株式会社
08/05/2014

TODA CONFIDENTIAL

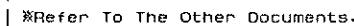
Tag No.	NAME	Q'TY	MATERIAL	REMARK
A2-HMX-420	HIGH SPEED MIXER	1	SUS304, etc	FS-GS-400J
A2-DP-420	DAMPER	1	SUS304, etc	DP-420 OUTLET As
A2-XV-420	BALL VALVE	1	SUS304, etc	1B
A2-T-430	MIXING HOPPER	1	SUS304, etc	Full Cap. 1.1m3
A2-BF-430	AIR FILTER	1	SUS304, etc	EF125AJ
A2-SCO-440	SCREW CONVEYER	1	SUS304,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



STMBOL	NAME
M	MOTOR
INT	INVERTER
PI	PRESSURE INDICATOR
PIA	PRESSURE INDICATOR ALARM
PIA1	TEMPERATURE PRESSURE INDICATOR
TIA	TEMPERATURE INDICATOR ALARM
FI	FLOW INDICATOR
FIA	FLOW INDICATOR ALARM
SI	SPEED INDICATOR
SIA	SPEED INDICATOR ALARM
WA	WEIGHT INDICATOR ALARM
WIA	WEIGHT INDICATOR ALARM
NICA	WEIGHT INDICATOR CONTROLLER + ALARM
NICA	WEIGHT INDICATOR CONTROLLER + RECORD
LS	LEVEL SENSOR
O2IA	OXYGEN CONCENTRATION INDICATOR ALARM
O22IA	PHOSPHOR CONCENTRATION INDICATOR ALARM
OFA	DETECTING CARBONIC ACID GAS
CA	COMBUSTION AREA
PA	PRESSURE AREA
ATM	ATMOSPHERE
CW	COOLING WATER

SYMBOL	NAME
	REDUCING VALVE
	SOLENOID VALVE
	FILTER
	MANUAL VALVE
	AIR TO BUTTERFLY VALVE
	MANUAL BUTTERFLY VALVE
	AIR TO BALL VALVE
	MANUAL BALL VALVE
	NEEDLE VALVE
	CHECK VALVE
	SAFETY VALVE
	FLEXIBLE HOSE
	FLOW SIGHT
	AIR VIBRATOR
	AIR KNOCKER
	LIMIT SWITCH
	PERSON
	LOCAL SWITCH BOX
	INDICATION ON CONTROL PANEL
	NOTED COLLECTION POINTS

Approval for Construction
戸田工業株式会社
08/14/2014

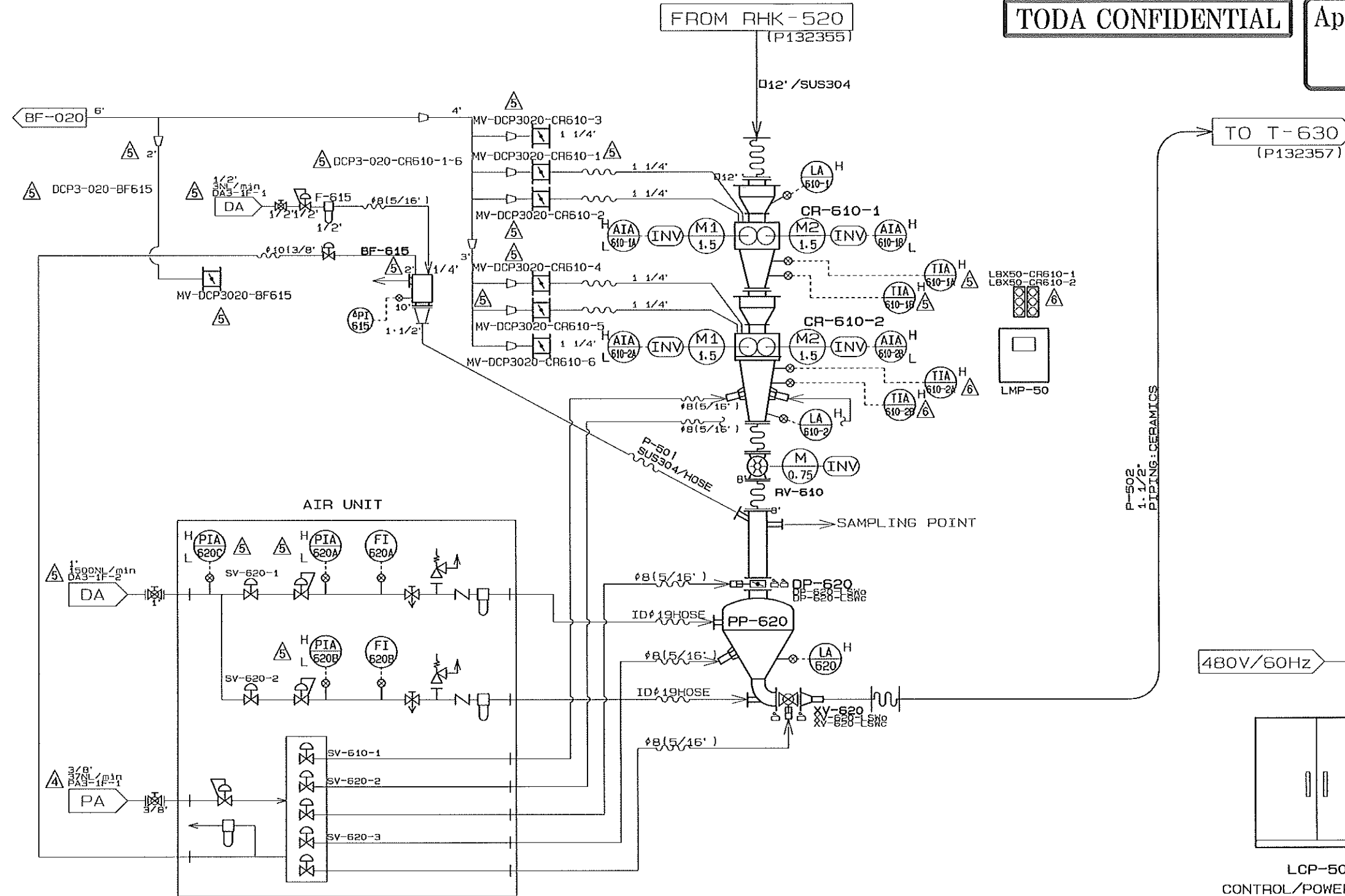


APPROVED	T. UEMURA	DRAWN ON 2014. 04. 28	MESSRS	Toda America Inc.		
CHECKED	T. KISHIGE			TITLE	HEATING PROCESS	
DRAWN	M. K.				FLOW SHEET (5/9)	
EXP. DATE						
		SCALE	FREE	DRAWING NO.	P132355	
		SERIAL NO.	5140025			
 HOSOKAWA MICRON CORPORATION						

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	

TODA CONFIDENTIAL

Approval for Construction
戸田工業株式会社
08/05/2014



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

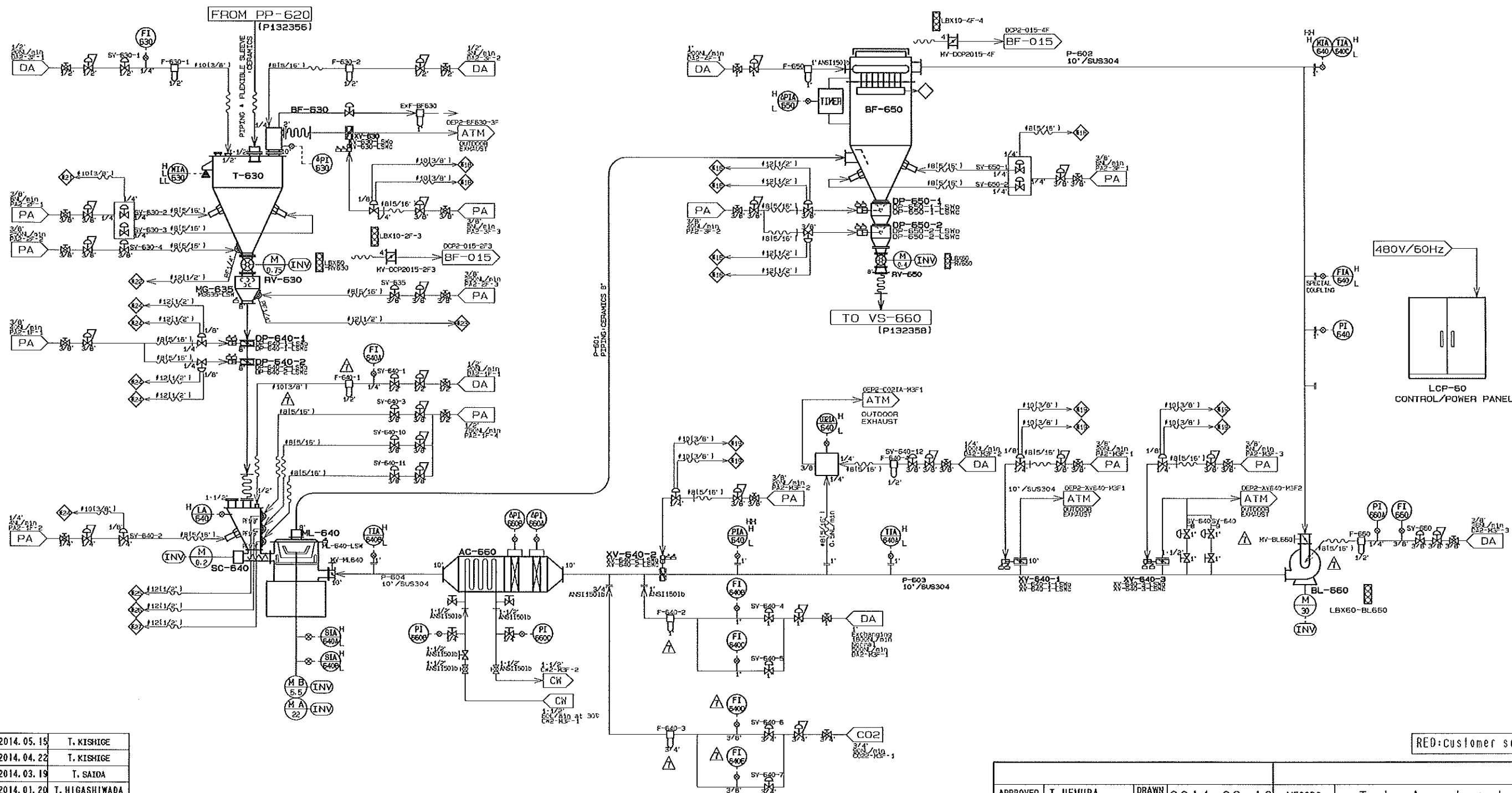
APPROVED	T. UEMURA	DRAWN ON	2014. 07. 04	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	Pre-PULVERIZING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (6/9)
E.D.P CODE				DRAWING NO.	P132356 6

HOSOKAWA MICRON CORPORATION
OSAKA/TOKYO/JAPAN

Approval for Construction
戸田工業株式会社
08/05/2014

TODA CONFIDENTIAL

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	



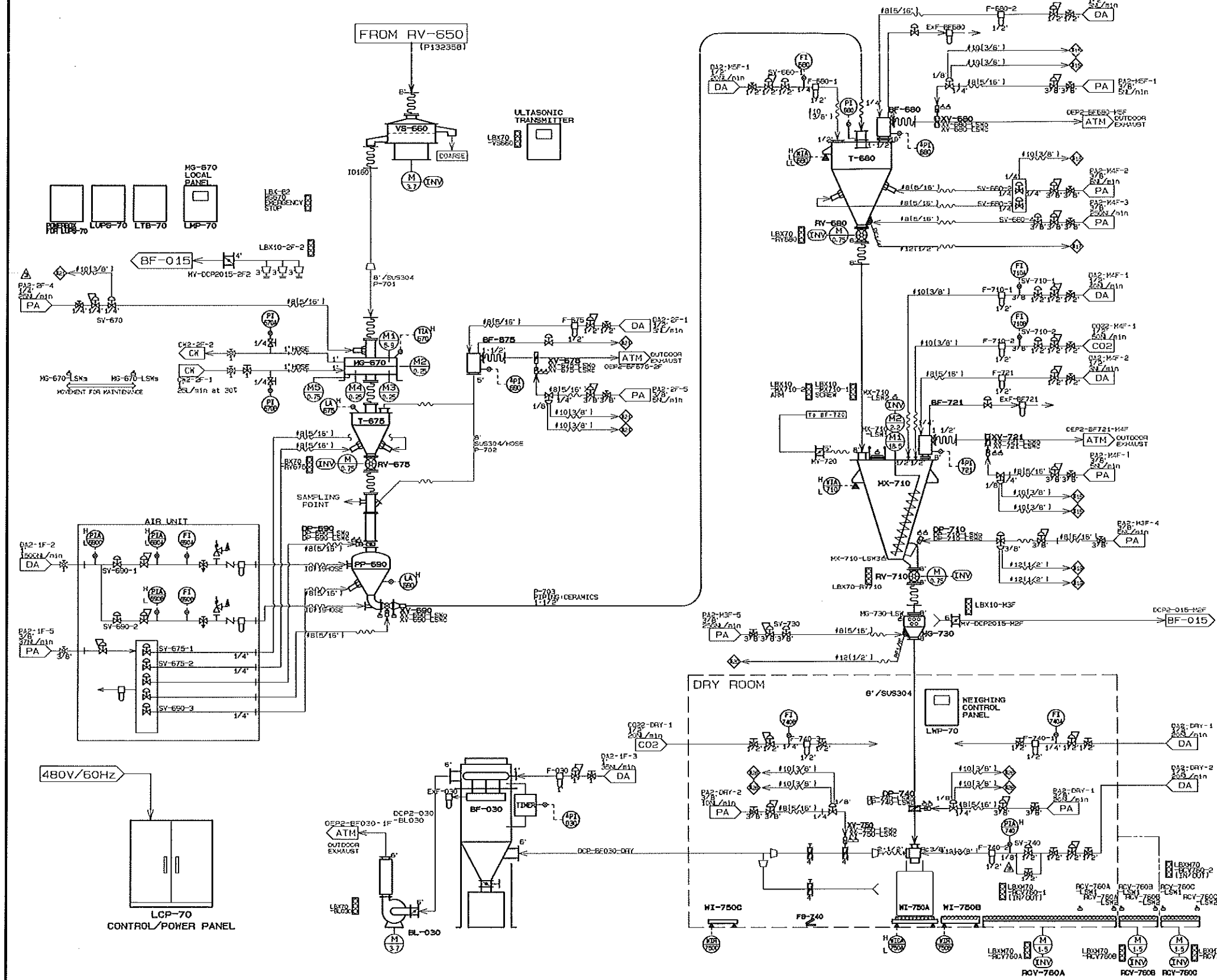
RED:customer scope

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

REV	DATE	DESCRIPTION
-----	------	-------------

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



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.	2B
A2-RV-680	ROTARY VALVE	1	SUS304 etc.	RM-200S-05SB
A2-MX-710	MAUTA 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.	2B
A2-RV-710	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.	89
A2-XY-740	DAMPER	1	SUS304 etc.	4B
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	

TODA CONFIDENTIAL

Approval for Construction

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

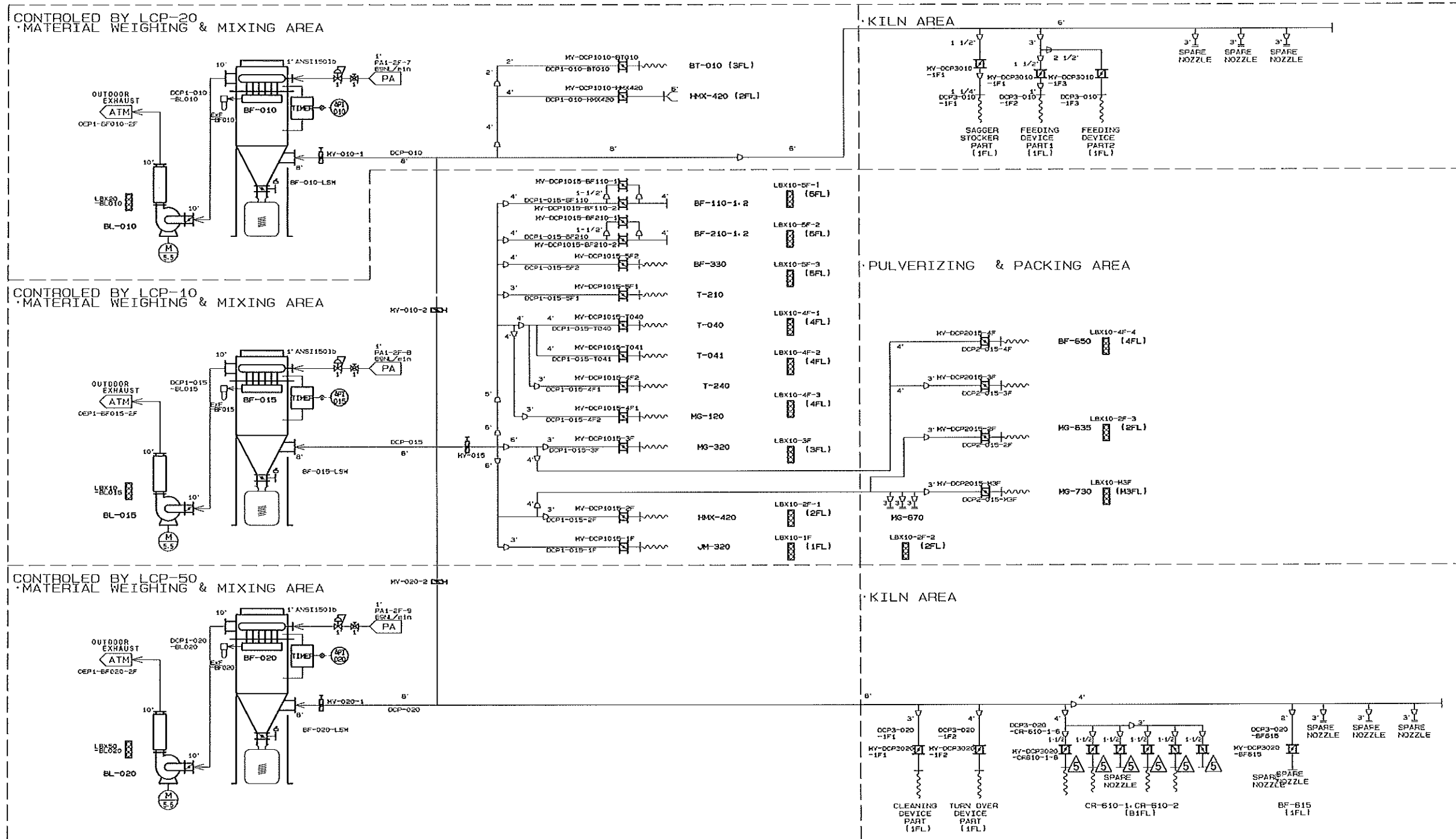
A2

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
----	-----	------	-------------

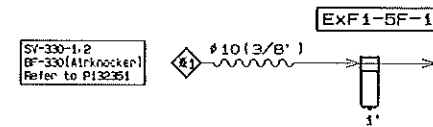
TODA CONFIDENTIAL

Approval for Construction
戸田工業株式会社
08/05/2014

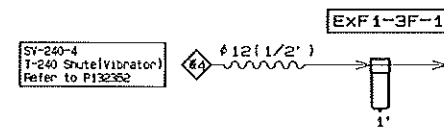
APPROVED	T. UEMURA	DRAWN ON	2014.03.19	MESSRS	Toda America Inc.
CHECKED	T. KISHIGE	SCALE	FREE	TITLE	DUST COLLECTING PROCESS
DRAWN	T. SAIDA	SERIAL NO.	5140025		FLOW SHEET (9/9)
EDP CODE				DRAWING NO.	P132956

HOSOKAWA MICRON CORPORATION

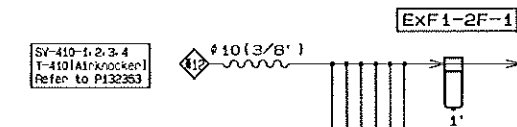
5FL



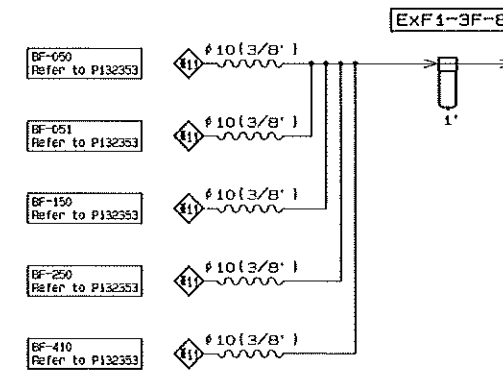
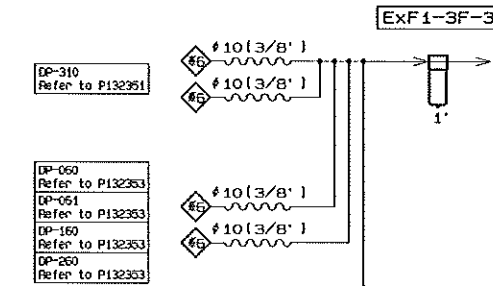
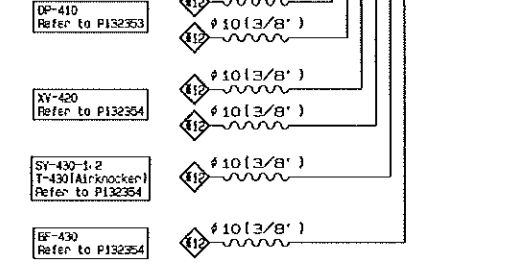
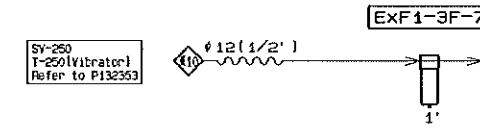
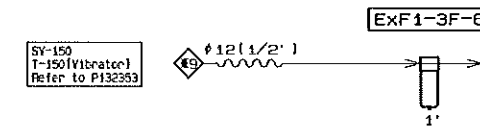
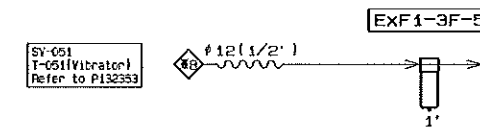
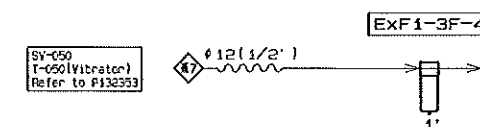
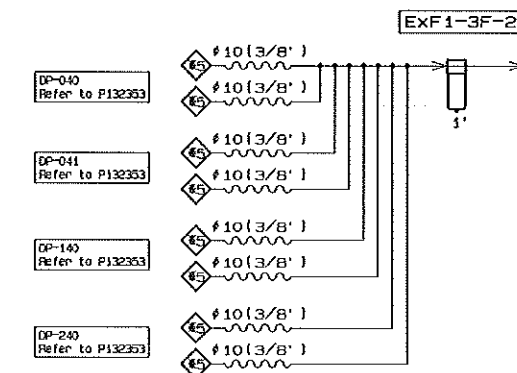
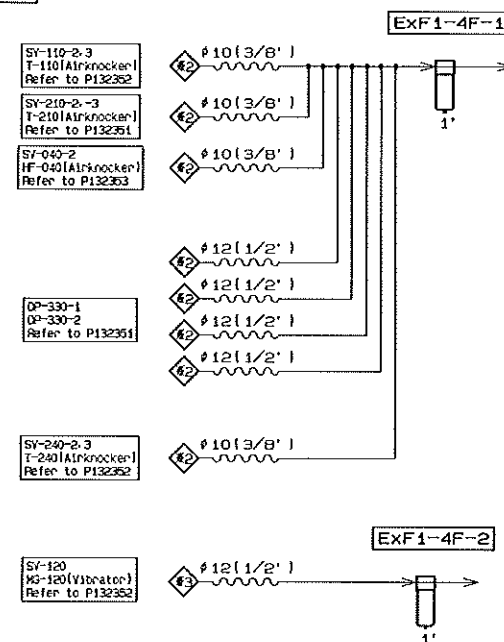
3FL



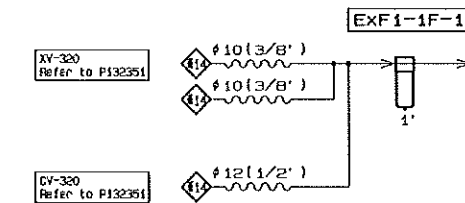
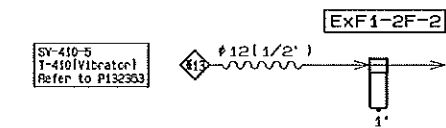
2FL



4FL



1FL



RED:Customer Scope

TODA CONFIDENTIAL

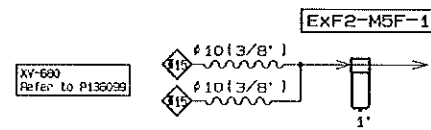
Approval for Construction
戸田工業株式会社
08/05/2014

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

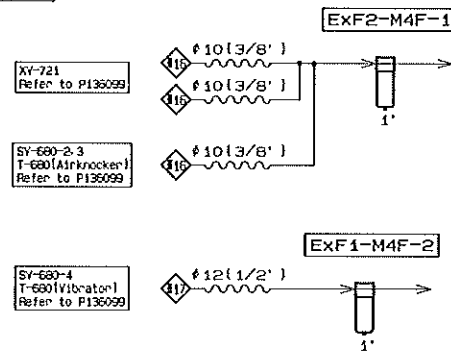


HOSOKAWA MICRON CORPORATION
OSAKA/TOKYO JAPAN

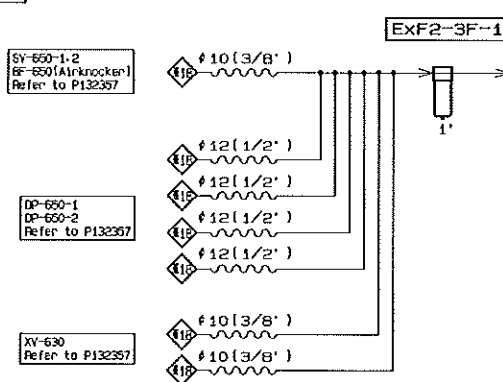
M5FL



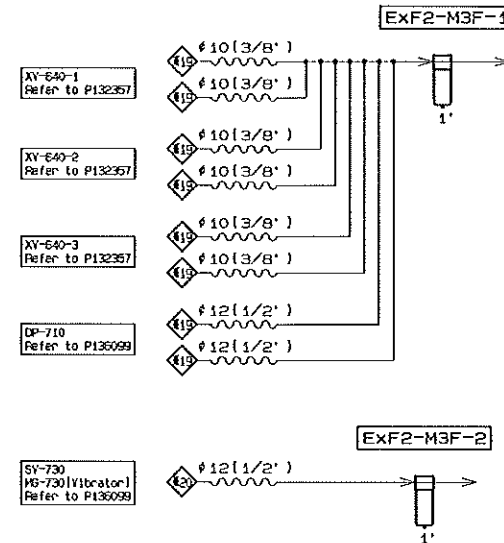
M4FL



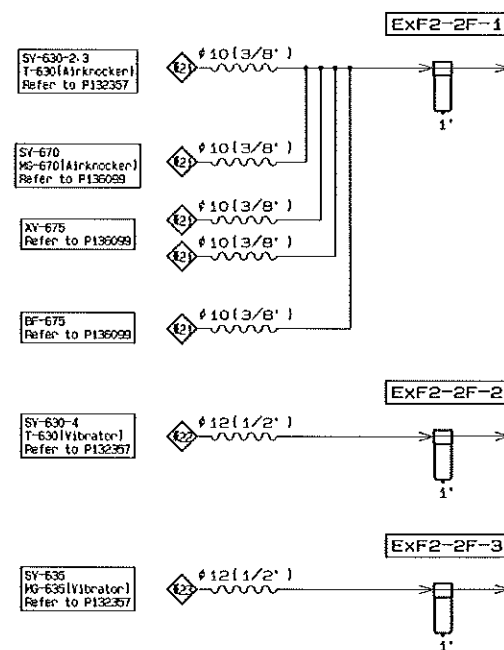
3FL



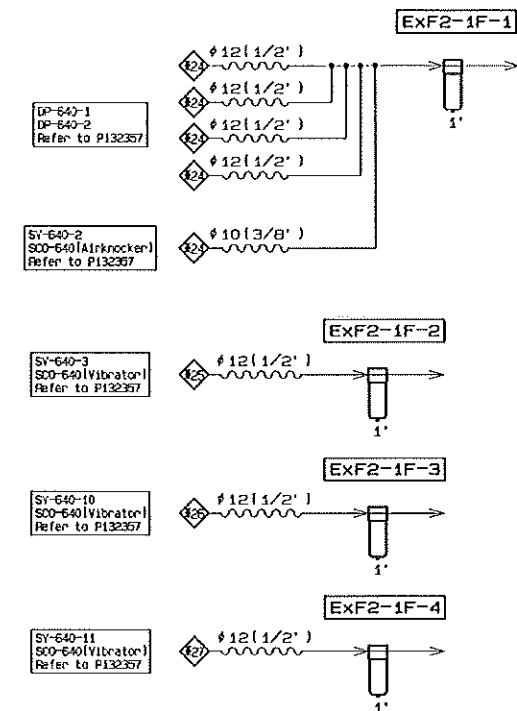
M3FL



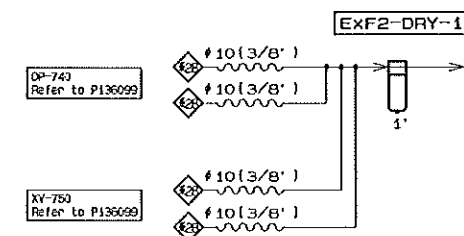
2FL



1FL



DRY ROOM



Red: Customer Scope

TODA CONFIDENTIAL

Approval for Construction
戸田工業株式会社
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