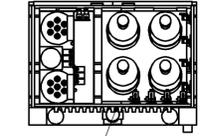
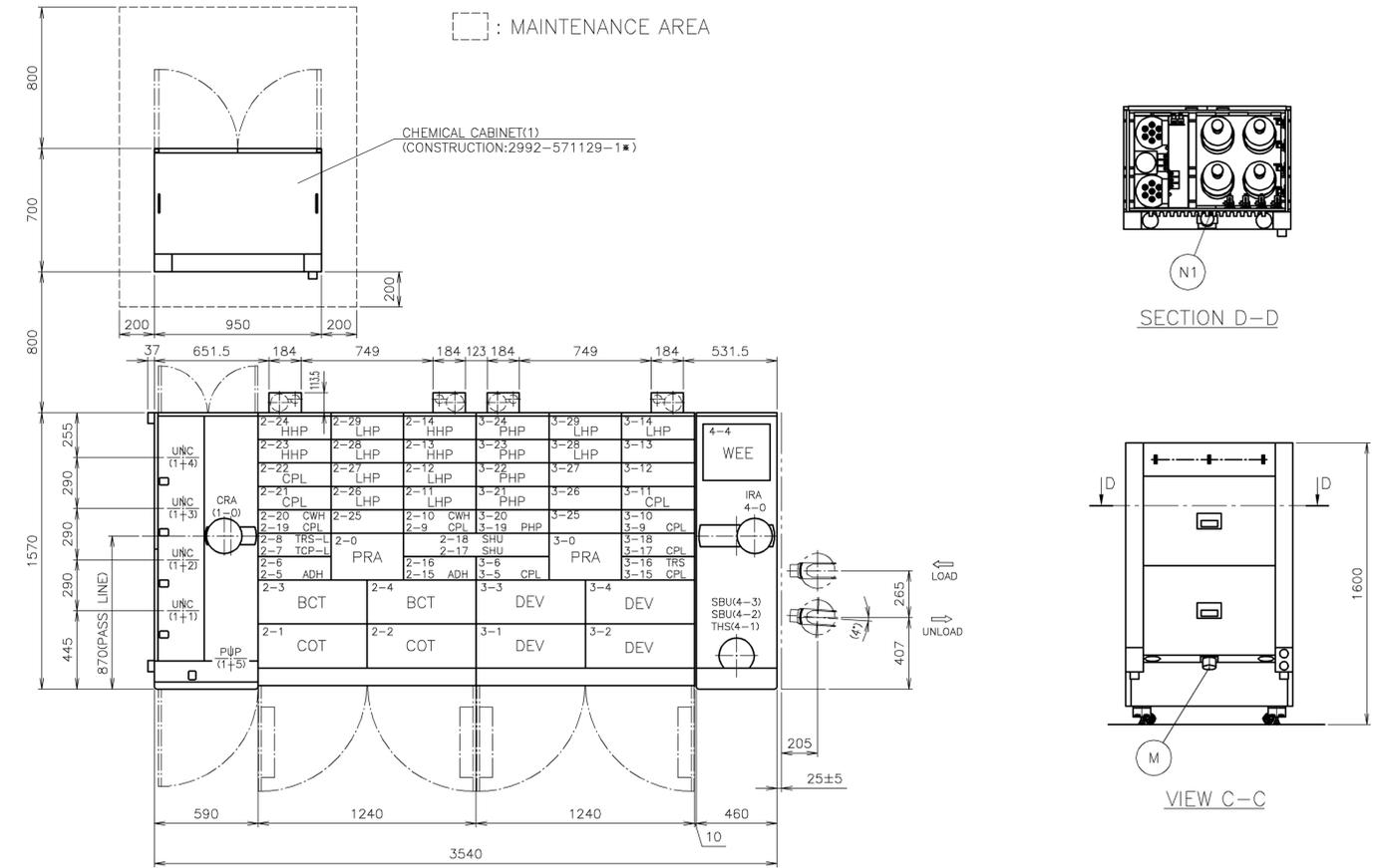
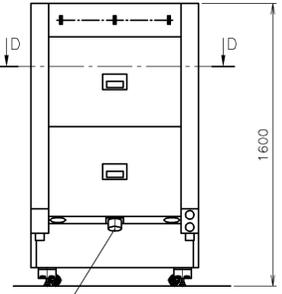


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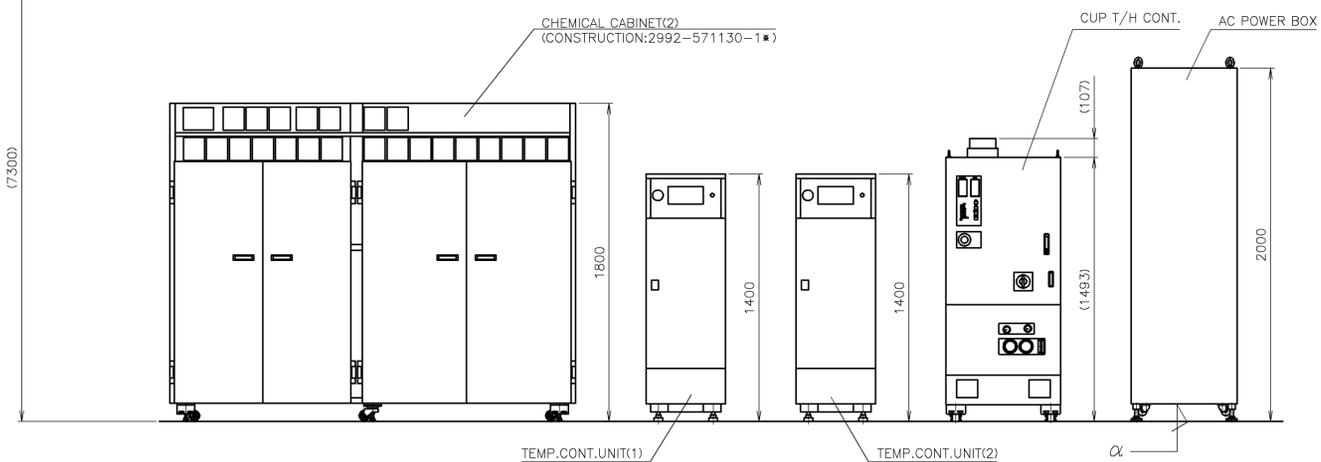
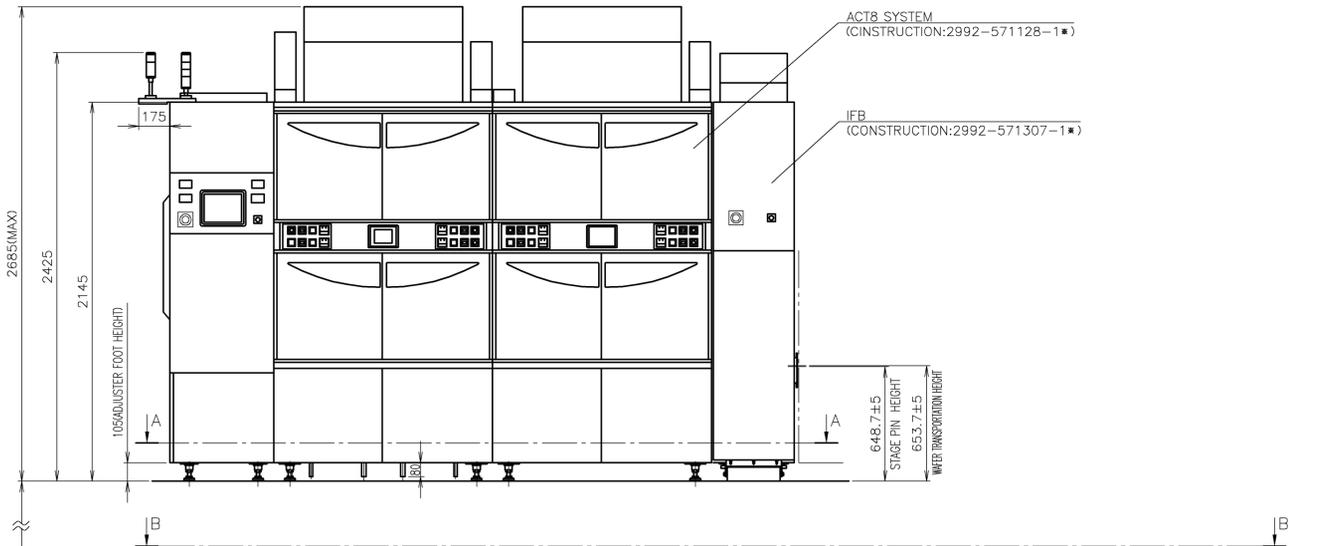
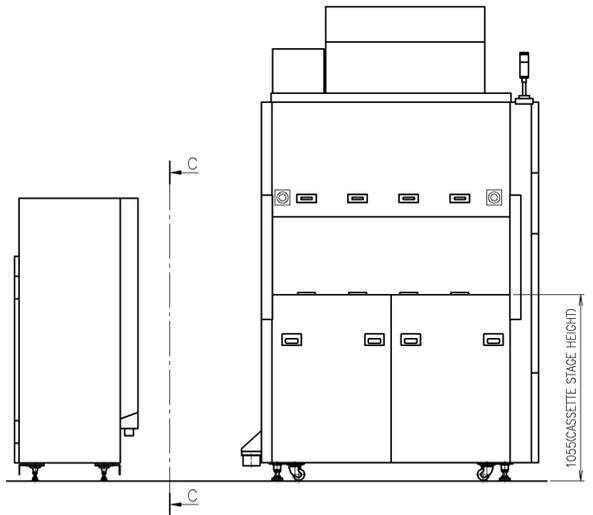
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SECTION D-D



VIEW C-C



EXH.DRAIN	OBJECT	CONNECT	FLUX(MAX.)	CONSUMER FLUX*	REMARK	
A	EXH.SOLVEND	2-1 COT	φ100 AL DUCT	1.5 m³/min	1.5 m³/min	≥350~450Pa
B	↑	2-2 COT	↑	↑	↑	↑
C	↑	2-3 BCT	↑	↑	↑	↑
D	↑	2-4 BCT	↑	↑	↑	↑
E	EXH.HEAD	HPB	↑	1.72 m³/min	1.72 m³/min	↑
F	EXH.SOLVEND	CSB PRB(2) CHEMICAL AREA	↑	1.6 m³/min	1.6 m³/min	↑
G	EXH.AUSTD	3-1 DEV	φ100 PVC DUCT	1.8 m³/min	1.0 m³/min	↑
H	↑	3-2 DEV	↑	↑	↑	↑
I	↑	3-3 DEV	↑	↑	↑	↑
J	↑	3-4 DEV	↑	↑	↑	↑
K	EXH.HEAD	HPB	φ100 AL DUCT	1.1 m³/min	1.1 m³/min	↑
L	EXH.AUSTD	PRB(3) CHEMICAL AREA	φ100 PVC DUCT	0.5 m³/min	0.5 m³/min	↑
M	EXH.SOLVEND	CHEMICAL CABINET(1)	φ100 AL DUCT	0.9 m³/min	0.9 m³/min	↑
N	↑	CHEMICAL CABINET(2)	↑	↑	↑	↑
O	DRAIN	2-1 COT	φ25.4 S.S.PIPE	1.0 L/min	0.05 L/min	0Pa
P	↑	2-2 COT	↑	↑	↑	↑
Q	↑	2-3 BCT	↑	↑	↑	↑
R	↑	2-4 BCT	↑	↑	↑	↑
S	↑	3-1 DEV	↑	1.1 L/min	0.4 L/min	↑
T	↑	3-2 DEV	↑	↑	↑	↑
U	↑	3-3 DEV	↑	↑	↑	↑
V	↑	3-4 DEV	↑	↑	↑	↑
W	↑	CUP T/H.CONT.	φ12.7 S.S.SWAGE	0.02 L/min	—	↑
AA	EXH.SOLVEND	HPB-LR COVER	φ75 AL DUCT	0.6 m³/min	0.6 m³/min	≥350~450Pa

UTILITY	OBJECT	CONNECT	FLUX(MAX.)	CONSUMER FLUX*	REMARK	
A1	DRY AIR(1)	UNIT DRIVE	φ9.52 S.S.SWAGE	391.5 L/min	223.9 L/min	≥0.5MPa
A2	DRY AIR(2)	PHP	↑	120 L/min	120 L/min	↑
A3	DRY AIR(3)	↑	↑	180 L/min	180 L/min	↑
N1	N 2	LIQ.PRESS.,PURGE	↑	116 L/min	116 L/min	≥0.45MPa
V1	VAC.(1)	CHUCK VAC.	↑	30 L/min	0.8 L/min	≤-73.3KPa
V2	VAC.(2)	↑	↑	37.5 L/min	1.0 L/min	↑
C1	P.C.WATER IN	TEMP.CONT.UNIT(1)	φ12.7 S.S.SWAGE	8 L/min	8 L/min	0.15~0.3MPa
C2	P.C.WATER OUT	↑	↑	↑	↑	0MPa
C3	P.C.WATER IN	TEMP.CONT.UNIT(2)	φ12.7 S.S.SWAGE	4 L/min	4 L/min	0.15~0.3MPa
C4	P.C.WATER OUT	↑	↑	↑	↑	0MPa
C5	P.C.WATER IN	CPL	φ12.7 S.S.SWAGE	8 L/min	8 L/min	0.15~0.3MPa
C6	P.C.WATER OUT	↑	↑	↑	↑	0MPa
C7	P.C.WATER IN	CPL	φ12.7 S.S.SWAGE	8 L/min	8 L/min	0.15~0.3MPa
C8	P.C.WATER OUT	↑	↑	↑	↑	0MPa
C9	P.C.WATER IN	PHP	φ12.7 S.S.SWAGE	10 L/min	10 L/min	0.15~0.3MPa
C10	P.C.WATER OUT	↑	↑	↑	↑	0MPa
C11	P.C.WATER IN	CUP T/H.CONT.	φ12.7 S.S.SWAGE	4.5 L/min	4.5 L/min	0.15~0.3MPa
C12	P.C.WATER OUT	↑	↑	↑	↑	0MPa
D1	D.WATER (1) IN	3-1,3-2 DEV,CUP T/H.CONT.	φ12.7 SUPER TYPE PILLAR FITTING	6.05 L/min	0.85 L/min	0.15~0.3MPa
D2	D.WATER (2) IN	3-3,3-4 DEV	↑	↑	↑	↑
DS1	DEV. SOLUTION	DEV	↑	1.5 L/min	0.1 L/min	↑
SO1	SOLVENT	COT,BCT	φ12.7 S.S.SWAGE	↑	↑	↑

* CONSUMER FLUX:When 60wafers/hour are processed.

ELEC.POWER	POSITIVE	CONNECT	BREAKER	CAPACITY	REMARK
α	AC208V 3PHASE	POWER BOX	225A	60.7KVA	

DISCONNECTOR/ELECTRICAL RATINGS					
POLES	AMPERES	VOLTS	AIC	STANDARD	CONDUCTOR CONNECTION
3P	200A	600VAC	30kA(230VAC)	IEC947-2	Max. 1AWG,Cu

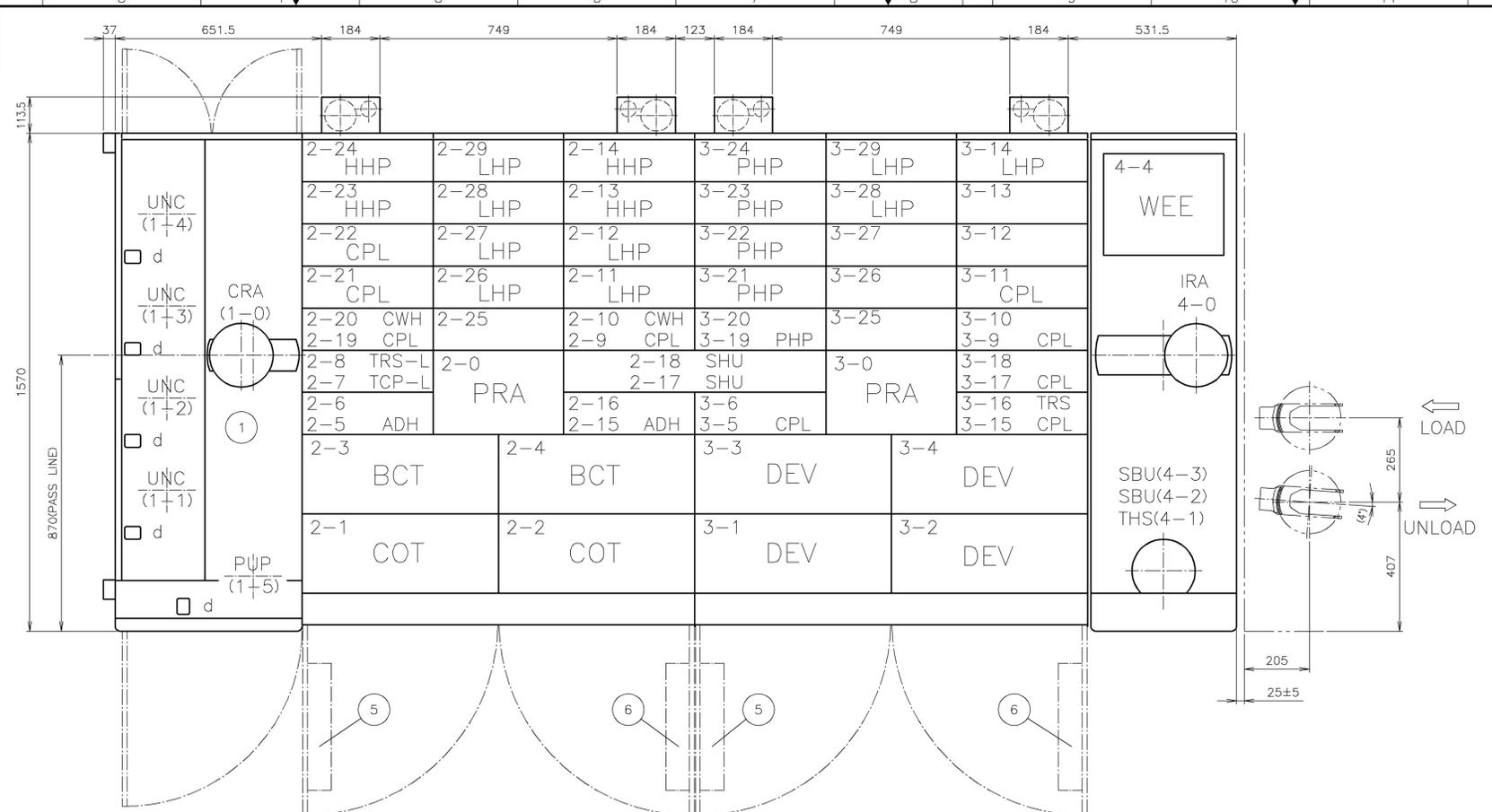
MACHINE WEIGHT			
ACT 8 SYSTEM(INCLUDING IFB)	3950Kgf	CUP T/H.CONT.	330Kgf
AC POWER BOX	340Kgf	CHEMICAL CABINET(1)	230Kgf
TEMP.CONT.UNIT(1)	220Kgf	CHEMICAL CABINET(2)	620Kgf
TEMP.CONT.UNIT(2)	190Kgf		

Equipment sound noise level (LAeq) : 70 dB or less
Measuring point of LAeq : 1m distance from equipment, 1.5m height from floor

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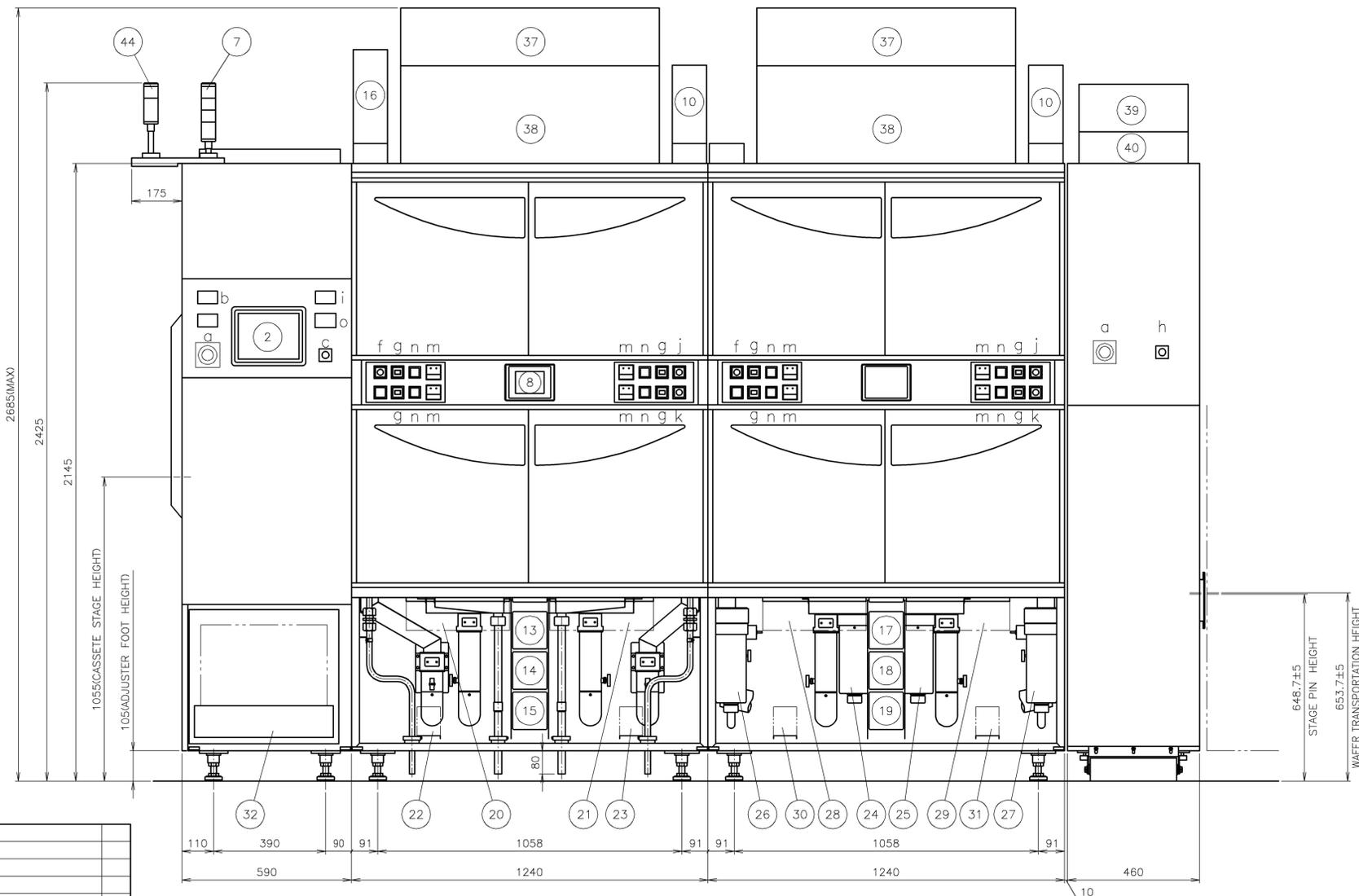


ORGANIZATION

- | | |
|-----------------------------|------------------------------------|
| 1. CSB ARM | 26. MIST TRAP(DEV) |
| 2. OPERATION PANEL | 27. MIST TRAP(DEV) |
| 3. CONTROLLER | 28. AIR OPE.VALVE(DEV) |
| 4. DC POWER SUPPLY CASE | 29. AIR OPE.VALVE(DEV) |
| 5. SOLENOID CASE | 30. AIR OPE.VALVE(DEV) |
| 6. DISPENSE BOARD CASE | 31. AIR OPE.VALVE(DEV) |
| 7. SIGNAL TOWER(ACT) | 32. PUMP CART |
| 8. SUB OPERATION PANEL | 33. PUMP CART |
| 9. DRIVER CASE(PRA,SPINNER) | 34. DRIVER(IRA) |
| 10. PRA DRIVER(θ AXIS) | 35. WEE LAMP HOUSE |
| 11. AC TERMINAL PANEL | 36. WEE UNIT |
| 12. UTILITY PANEL | 37. CHEMICAL FILTER(PRB) |
| 13. FLOW METER(EBR) | 38. FAN FILTER(PRB) |
| 14. FLOW METER(EBR) | 39. CHEMICAL FILTER(IFB) |
| 15. REG.GAUGE(AIR,N2) | 40. FAN FILTER(IFB) |
| 16. PUMP DRIVER CASE | 41. DC POWER SUPPLY CASE |
| 17. REG.(PDR N2 BLOW) | 42. PHP PURGE PUMP |
| 18. (UNUSED) | 43. AREA SENSOR |
| 19. (UNUSED) | 44. SIGNAL TOWER(CHEMICAL CABINET) |
| 20. AIR OPE.VALVE(COT) | |
| 21. AIR OPE.VALVE(COT) | |
| 22. AIR OPE.VALVE(BCT)(ADH) | |
| 23. AIR OPE.VALVE(BCT)(ADH) | |
| 24. MIST TRAP(DEV) | |
| 25. MIST TRAP(DEV) | |

OPERATION PANEL

- a. EMERGENCY STOP SW.
- b. SYSTEM POWER ON-OFF SW.
- c. PAUSE SW.(CRA)
- d. CASSETTE SW.(CSB)
- e. LCD PANEL
- f. PAUSE SW.(PRA)
- g. SPIN.MOTOR STOP SW.
- h. PAUSE SW.(IRA)
- i. MAINTENANCE SW.
- j. SYSTEM INTERLOCK DEFEAT SW.(LEVEL1)
- k. SYSTEM INTERLOCK DEFEAT SW.(LEVEL2)
- l. ROBOTICS ARM POWER SW.
- m. CUP EXH.PRESS MONITOR
- n. SPIN CHUCK VAC.GAUGE
- o. PEN HOLDER
- p. PRESS.MONITOR



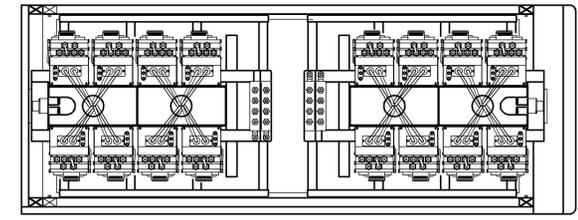
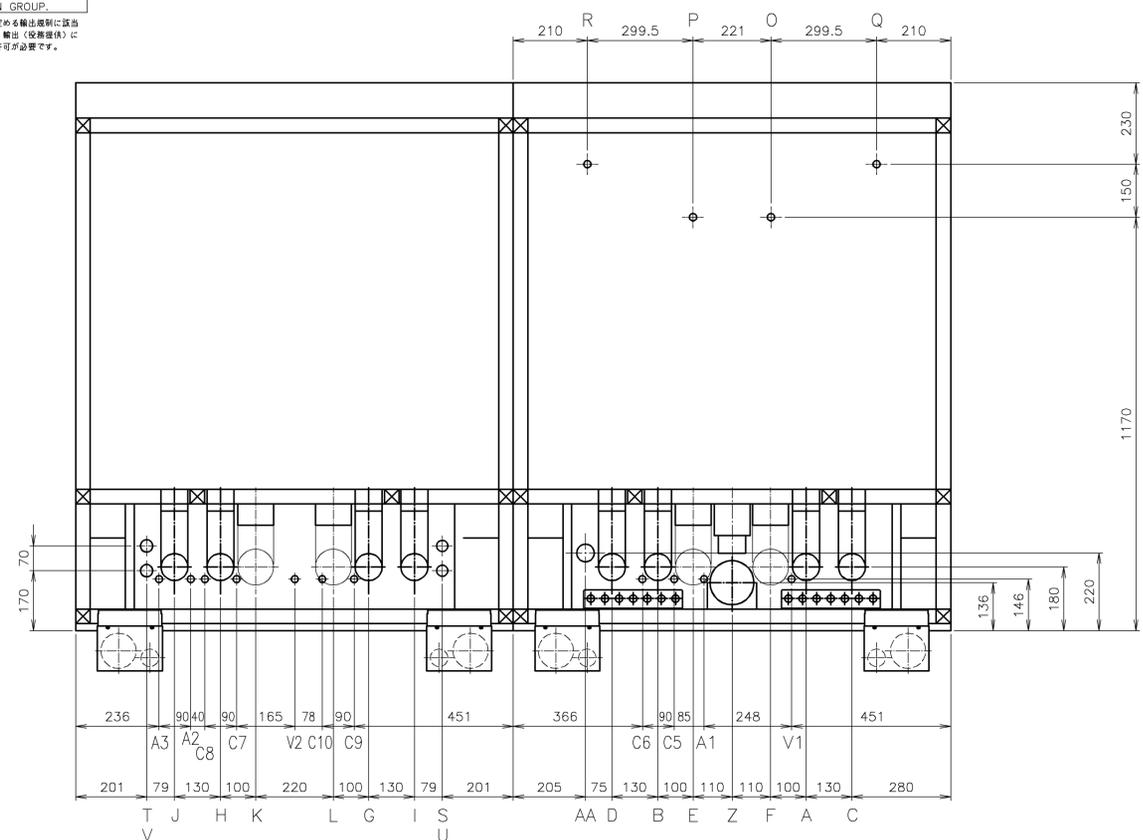
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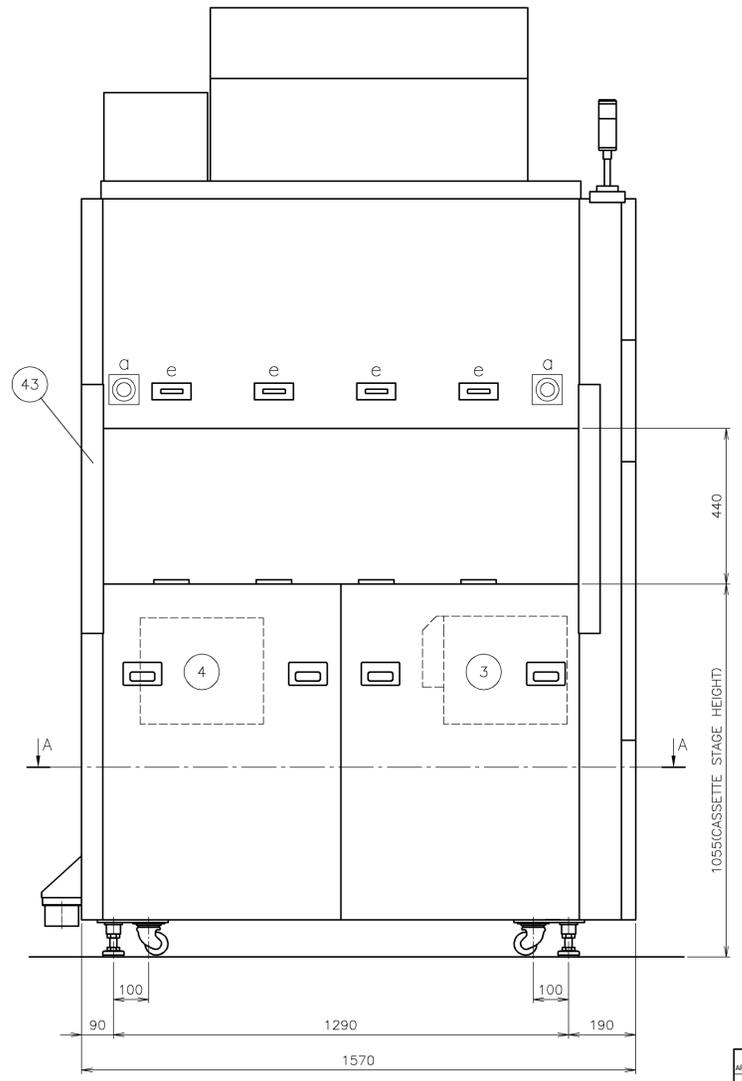
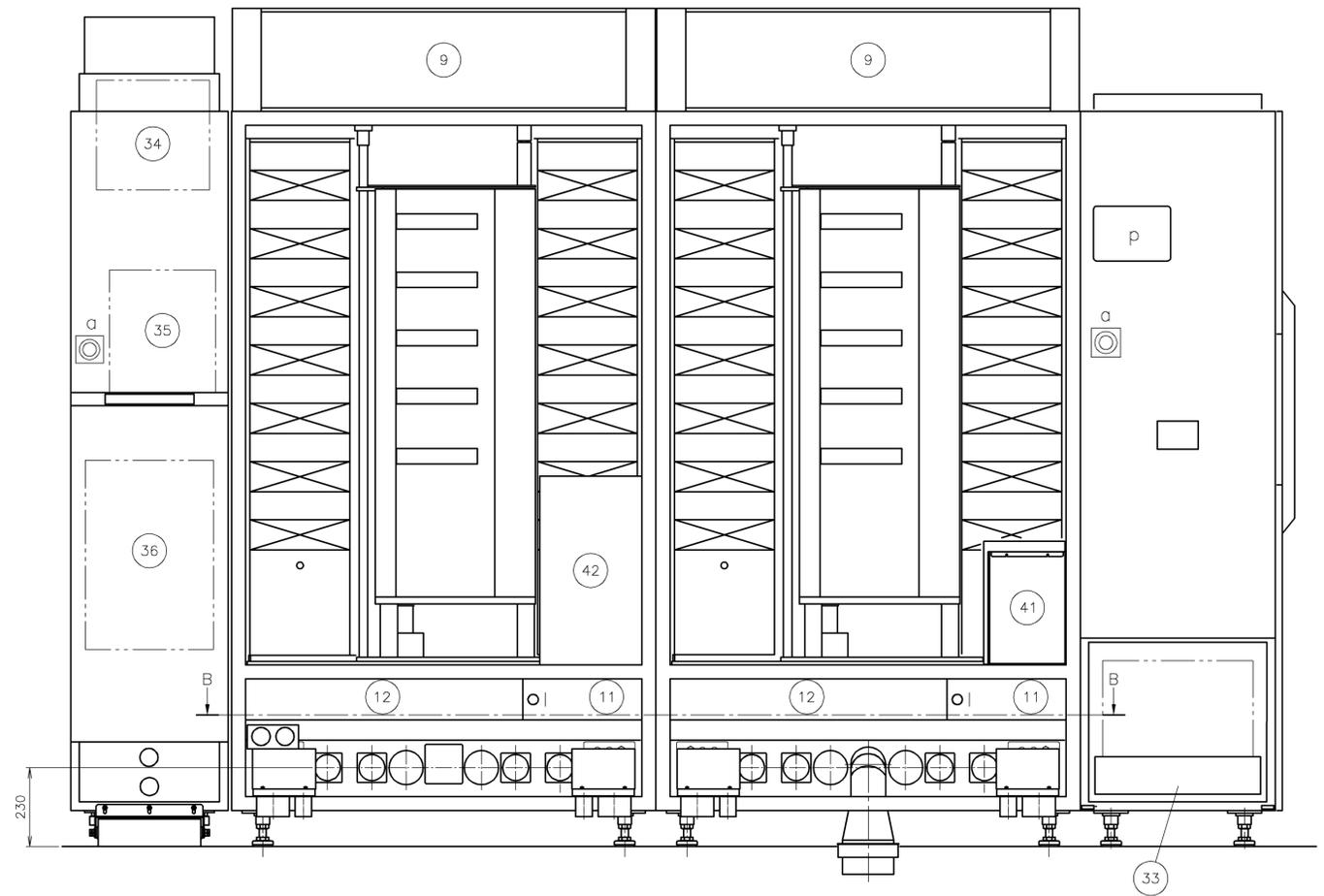
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三村	山口	白男川	白男川	1:10	2011-07-26	INNER CONSTRUCTION
TEL			2992-571128-11 A 1/2			

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|---------------------------------|----------------------------|
| <u>EXH.DRAIN</u> | <u>UTILITY</u> |
| A. EXH.(SOLVENT.COT) | A1. DRY AIR(1) |
| B. EXH.(SOLVENT.COT) | A2. DRY AIR(2) |
| C. EXH.(SOLVENT.BCT) | A3. DRY AIR(3) |
| D. EXH.(SOLVENT.BCT) | V1. VAC.(1) |
| E. EXH.(HEAT.HPB) | V2. VAC.(2) |
| F. EXH.(SOLVENT.CHEMICAL.ADH) | C5. P.C.WATER(3) IN |
| G. EXH.(CAUSTIC.DEV) | C6. P.C.WATER(3) OUT |
| H. EXH.(CAUSTIC.DEV) | C7. P.C.WATER(4) IN |
| I. EXH.(CAUSTIC.DEV) | C8. P.C.WATER(4) OUT |
| J. EXH.(CAUSTIC.DEV) | C9. P.C.WATER(5) IN |
| K. EXH.(HEAT.HPB) | C10. P.C.WATER(5) OUT |
| L. EXH.(CAUSTIC.CHEMICAL) | |
| AA. EXH.(SOLVENT.HPB-L,R COVER) | |
| O. DRAIN.(SOLVENT.COT) | <u>OTHER CONNECTION</u> |
| P. DRAIN.(SOLVENT.COT) | Z. CUP T&H.CONT DUCT INLET |
| Q. DRAIN.(SOLVENT.BCT) | |
| R. DRAIN.(SOLVENT.BCT) | |
| S. DRAIN.(CAUSTIC.DEV) | |
| T. DRAIN.(CAUSTIC.DEV) | |
| U. DRAIN.(CAUSTIC.DEV) | |
| V. DRAIN.(CAUSTIC.DEV) | |

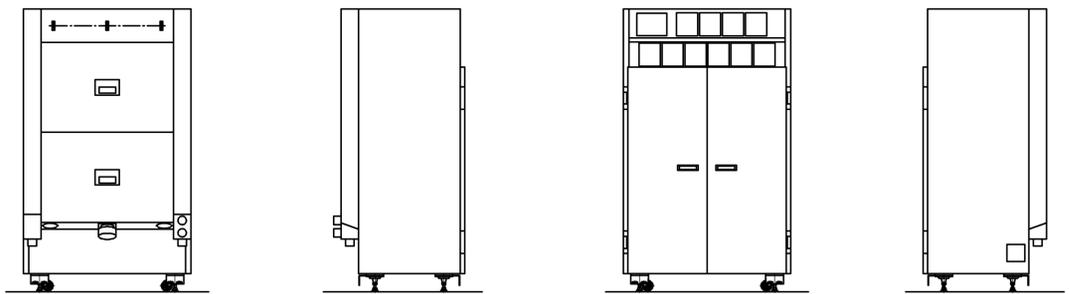


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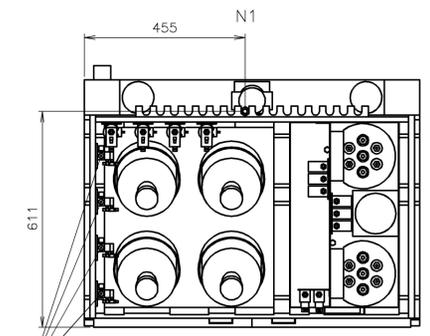
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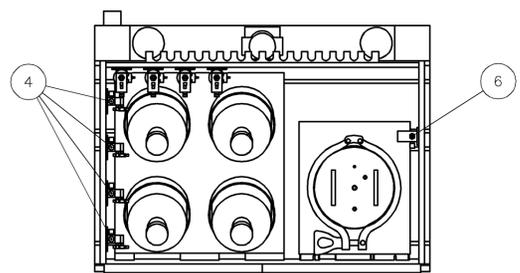
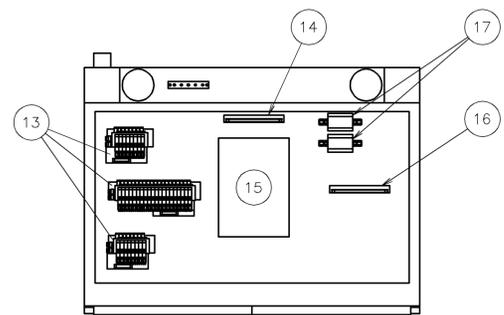
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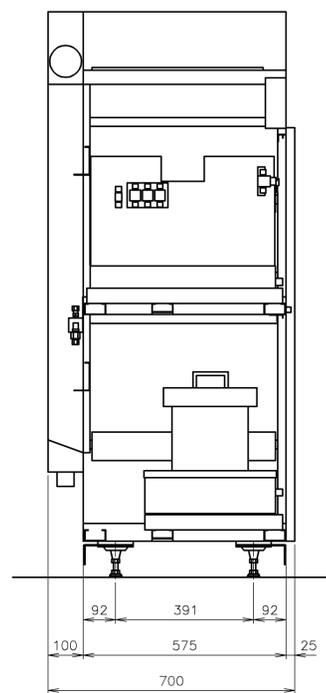
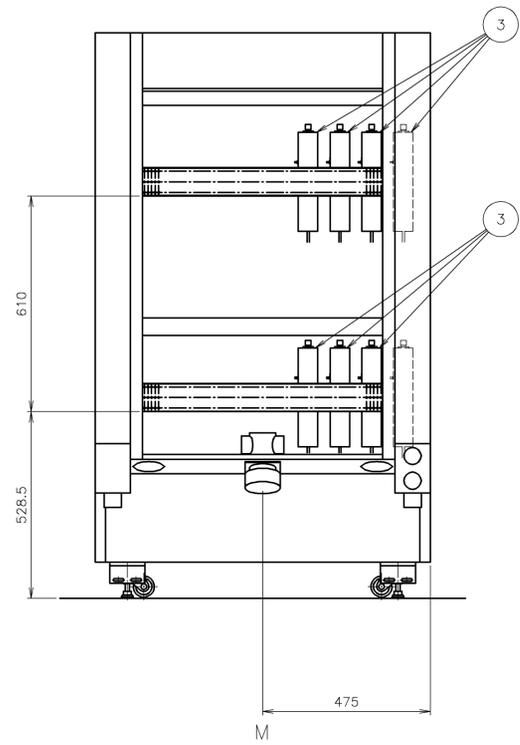
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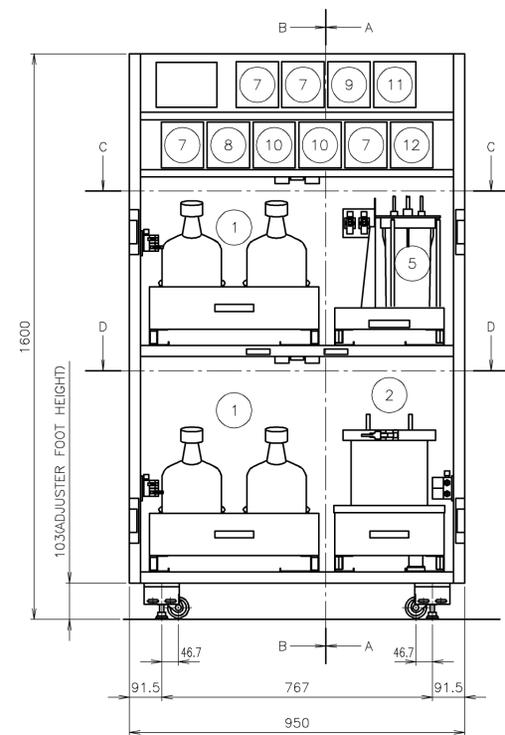
SECTION C-C



SECTION D-D



SECTION B-B



SECTION A-A

ORGANIZATION

- 1. BOTTLE CART(RESIST)
- 2. BOTTLE CART(HMDS)
- 3. L/E(RESIST)
- 4. AIR OPERATED VALVE(RESIST PRESS)
- 5. AD PANEL
- 6. AIR OPERATED VALVE(HMDS PRESS)
- 7. REGULATOR&GAUGE x 1
- 8. REGULATOR&GAUGE x 2
- 9. MANUAL VALVE x 2
- 10. FLOW METER x 2
- 11. MANO METER
- 12. EMO SW
- 13. SOLENOID
- 14. DC/DC CONVERT BOARD
- 15. CHEMICAL I/O BOARD
- 16. GHOST REPEATER BOARD
- 17. MASS FLOW METER

UTILITY

- M. EXHAUST(SOLVENT)
- N1. N2 IN

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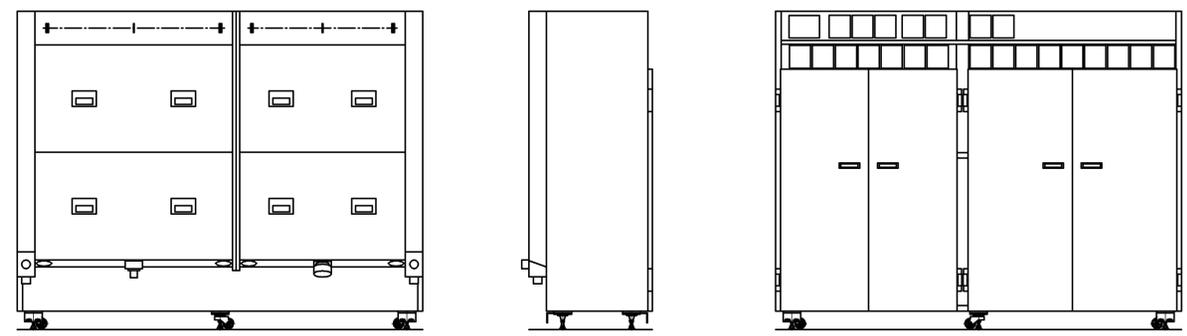
承認 APPROVED	精査 CHECKED	設計 DESIGNED	製図 DRAWN	尺度 SCALE 1:10	年月日 YYYY-MM-DD 2011-07-26	名称 TITLE CHEMICAL CABINET(1) CONSTRUCTION
三村	山口	白男川	白男川	TEL	2992-571129-11	REV. 1

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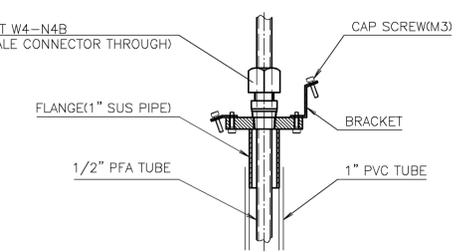
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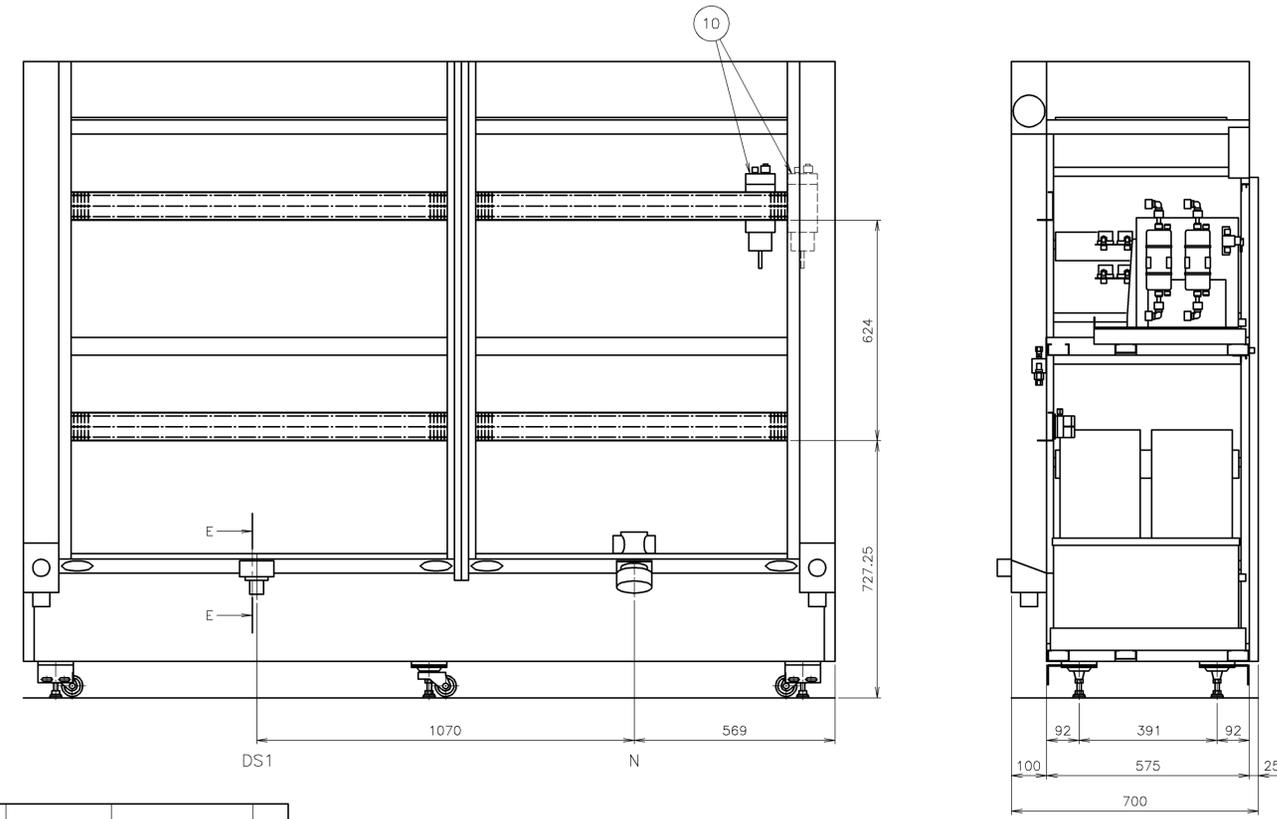
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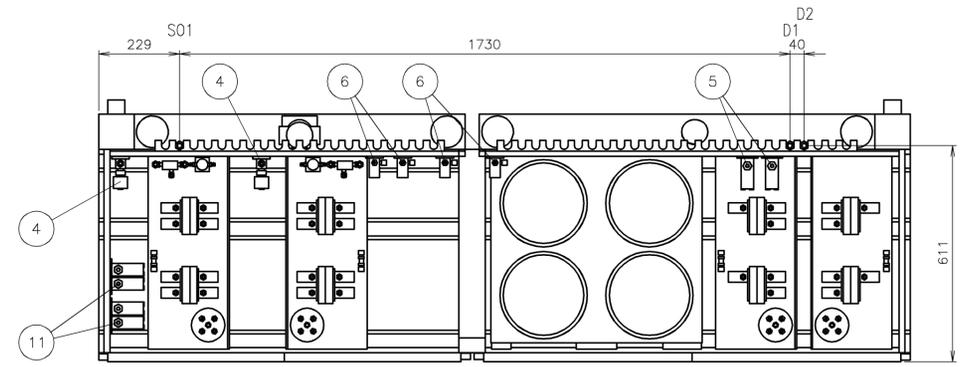
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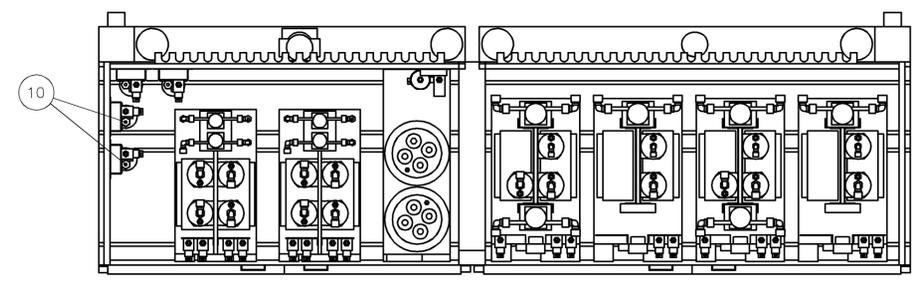
断面E-E(S=1:3)



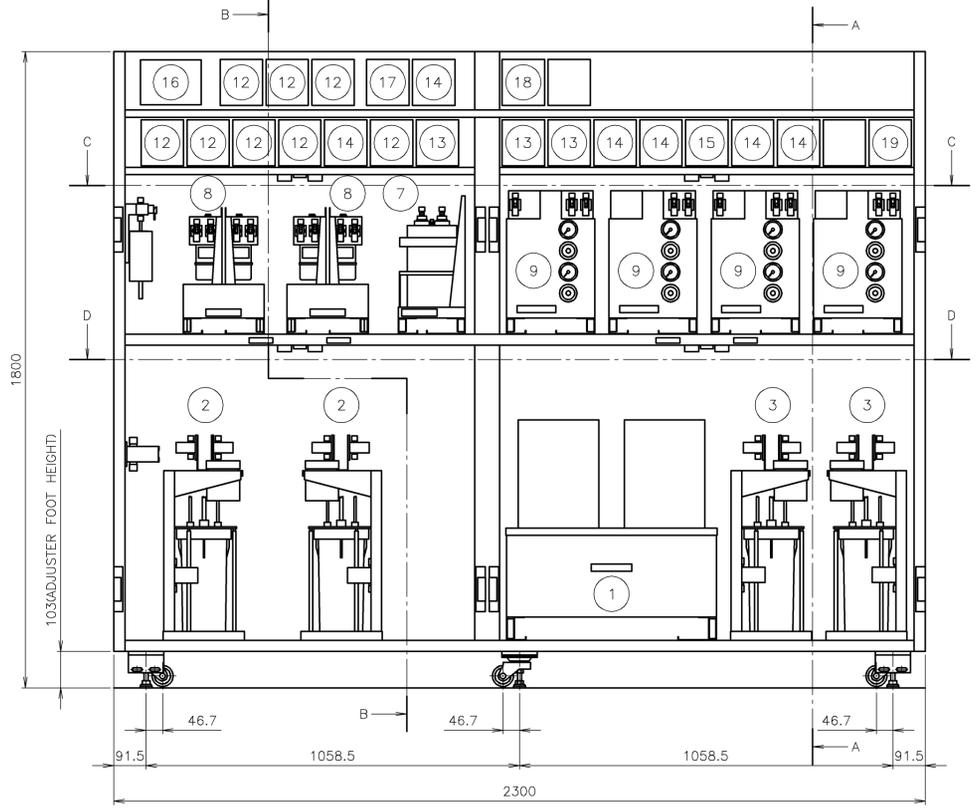
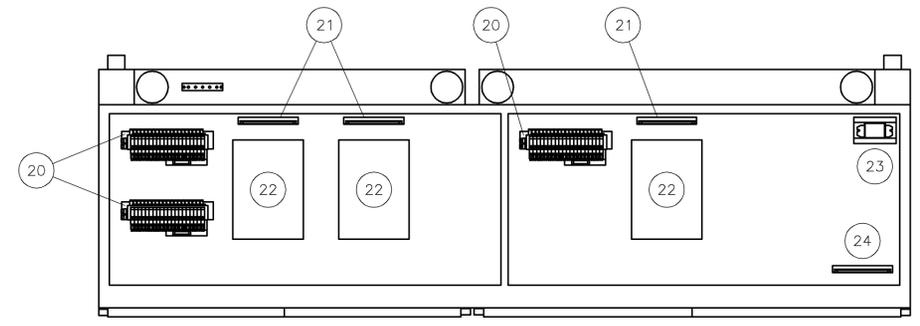
SECTION B-B



SECTION D-D



SECTION C-C



ORGANIZATION

1. TANK CART(DEV SOLUTION)
2. TANK AUTO SUPPLY(SOLVENT)
3. 2TANK AUTO SUPPLY(SOLVENT)
4. AIR OPERATED VALVE(SOLVENT SUPPLY)
5. AIR OPERATED VALVE(DEV SOLUTION SUPPLY)
6. AIR OPERATED VALVE(DEV SOLUTION PRESS)
7. DEGAS SYSTEM
8. SOLVENT PANEL
9. DEV PANEL
10. L/E(DEV SOLUTION)
11. AIR OPERATED VALVE(DEV SOLUTION AUTO CHANGE)
12. REGULATOR&GAUGE x 1
13. REGULATOR&GAUGE x 2
14. MANUAL VALVE x 1
15. MANUAL VALVE x 2
16. SUB OPERATION PANEL
17. DEGAS VAC x 1
18. MANO METER
19. EMO SW
20. SOLENOID
21. DC/DC CONVERT BOARD
22. CHEMICAL I/O BOARD
23. EMO TERMINAL
24. IN-LINE MONITOR BOARD

UTILITY

- N. EXHAUST(SOLVENT)
- SO1. SOLVENT IN
- DS1. DEV. SOLUTION(1) IN
- D1. D.I.WATER(1) IN
- D2. D.I.WATER(2) IN

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承認	精査	設計	製図	尺度	SCALE	年月日	yyyymmdd	名称	TITLE
三村	山口	白男川	白男川	1:10	2011-07-26	CHEMICAL CABINET(2) CONSTRUCTION			
						TEL	2992-571130-11	A	1

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PROCESS BLOCK

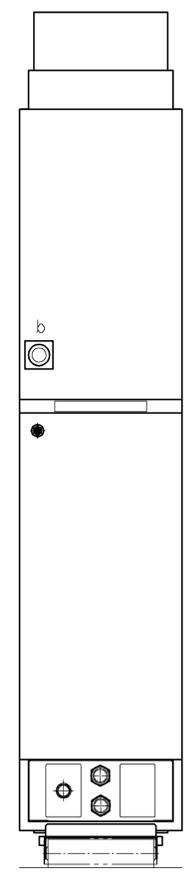
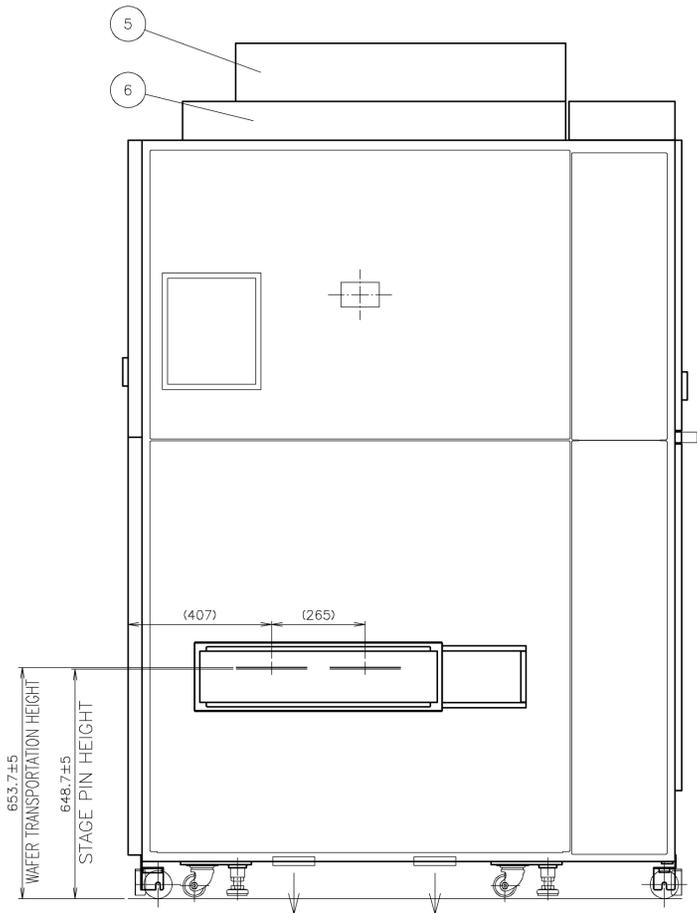
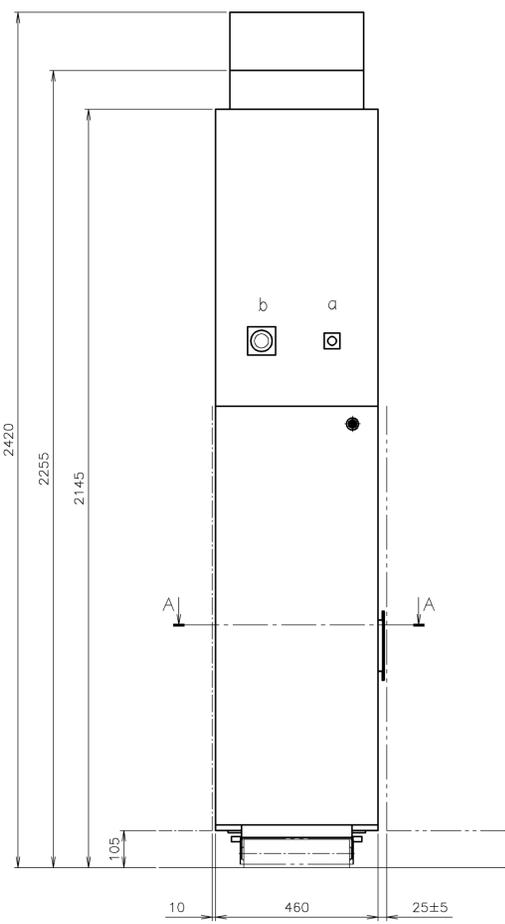
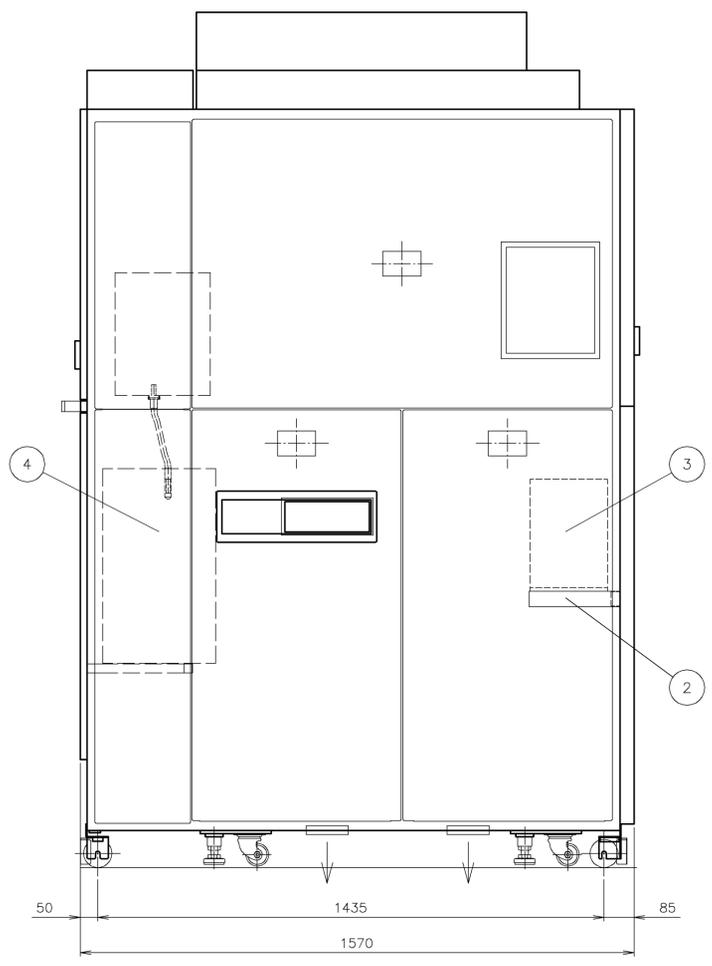
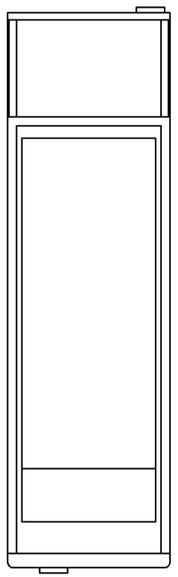
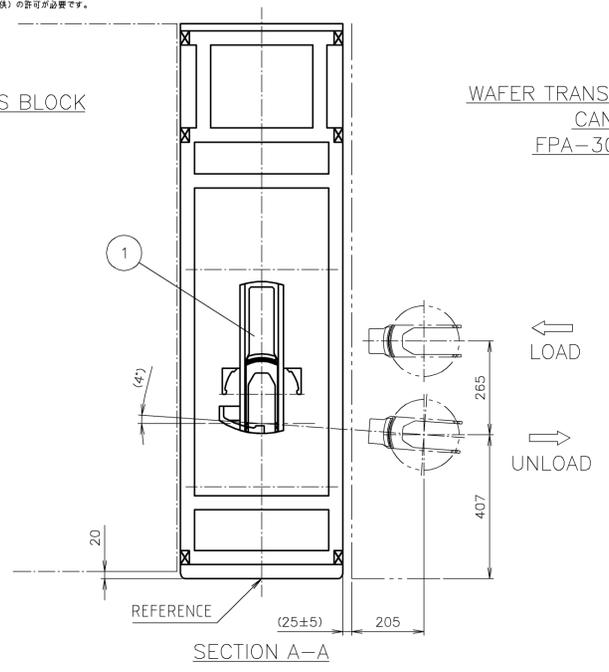
WAFER TRANSPORT SYSTEM
CANON
FPA-3000EX6

OPERATION PANEL

- a. PAUSE SW. (IRA)
- b. EMERGENCY STOP SW.

ORGANIZATION

- 1. IFB ARM (4-0)
- 2. THS (4-1)
- 3. BUFFER CASSETTE (4-2,4-3)
- 4. WEE UNIT (4-4)
- 5. CHEMICAL FILTER
- 6. FAN FILTER



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MD-9290842

承認 APPROVED	検核 CHECKED	設計 DESIGNED	製図 DRAWN	尺度 SCALE	年月日 DATE	名 称	図面番号 DRAWING NO.	REV.
三村	山口	山住	山住	1:10	2011-07-20	IFB CONSTRUCTION	2992-571307-11	1/1

TEL 2992-571307-11
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