

NOTES

1. THE FOLLOWING MESSAGE IS A SUMMARY OF THE INFORMATION CONTAINED IN THIS DRAWING. IT IS NOT TO BE USED AS A SUBSTITUTE FOR THE ORIGINAL DRAWING. THE ORIGINAL DRAWING IS THE AUTHORITY FOR THE INFORMATION CONTAINED HEREIN.
2. THE DRAWING IS THE PROPERTY OF THE COMPANY AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.
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ESSENTIAL DRAWING

USAR FIG. 11.2-1-01

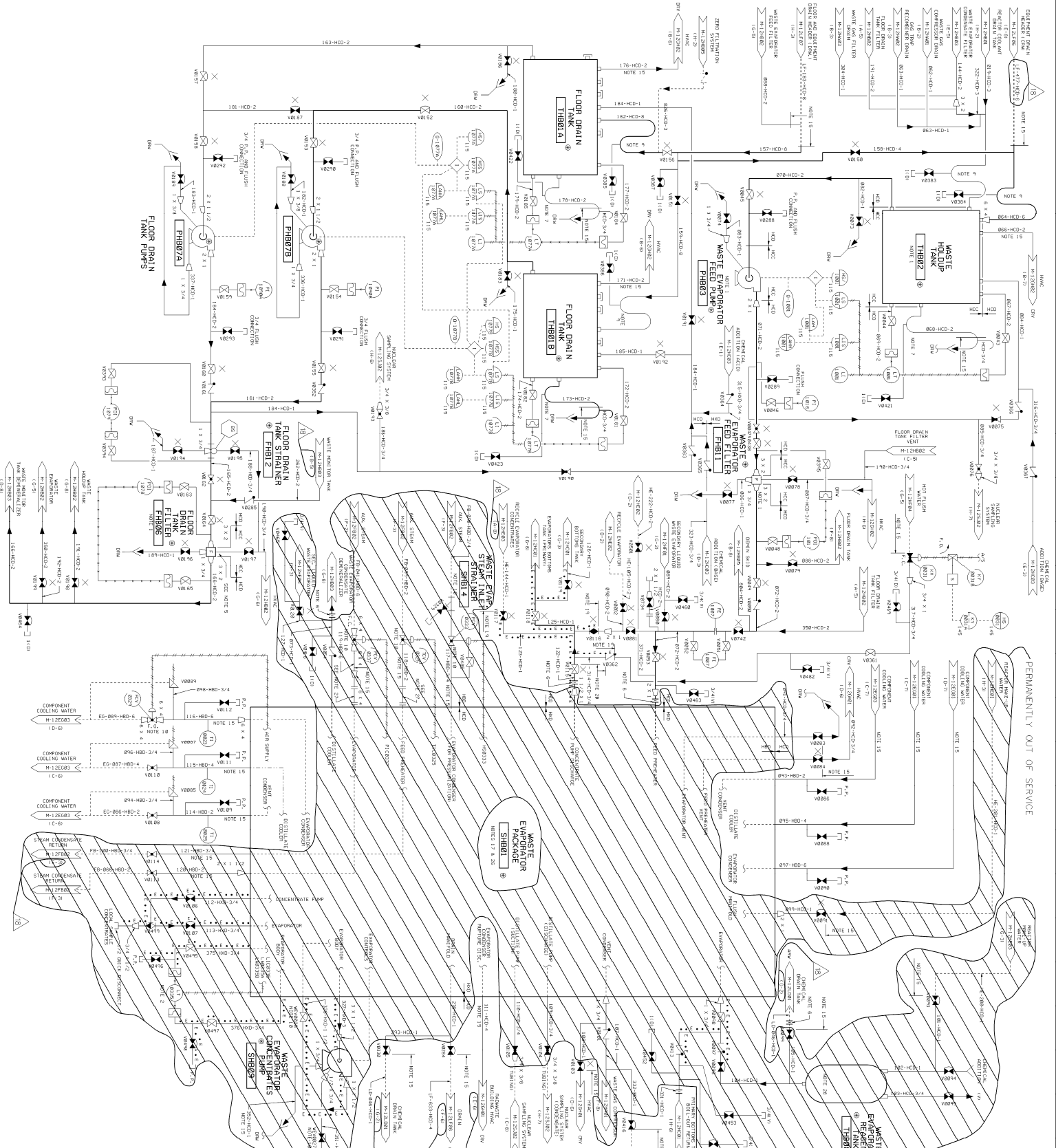
DATE	NO.	DESCRIPTION	BY	CHKD.
11	11	ISSUED FOR CONSTRUCTION	WOLFE	WOLFE
11	11	ISSUED FOR CONSTRUCTION	WOLFE	WOLFE
11	11	ISSUED FOR CONSTRUCTION	WOLFE	WOLFE
11	11	ISSUED FOR CONSTRUCTION	WOLFE	WOLFE

WOLFE ENGINEERING APPROVAL

PIPING AND INSTRUMENTATION DIAGRAM

LIQUID RADWASTE SYSTEM

M-12H801



NOTE

1. SEE DRAWING M-123801
2. THE FOLLOWING EQUIPMENT IS SUPPLIED WITH EXHAUSTION:
 - A. T8B01A, T8B01B, T8B01C, T8B05, AND ASSOCIATED ITRIC.
3. OLEFIED
4. OLEFIED
5. W/STAINLESS STEEL OR 316L COMPATIBLE WITH A BLOW BY WITHIN DESIGN OR A FLAME BY THE INSTALLATION.
6. BLEND FLAME INSULATED FOR THE INSTALLATION.

USAF FIG. 11-2-1-02

ESSENTIAL DRAWING

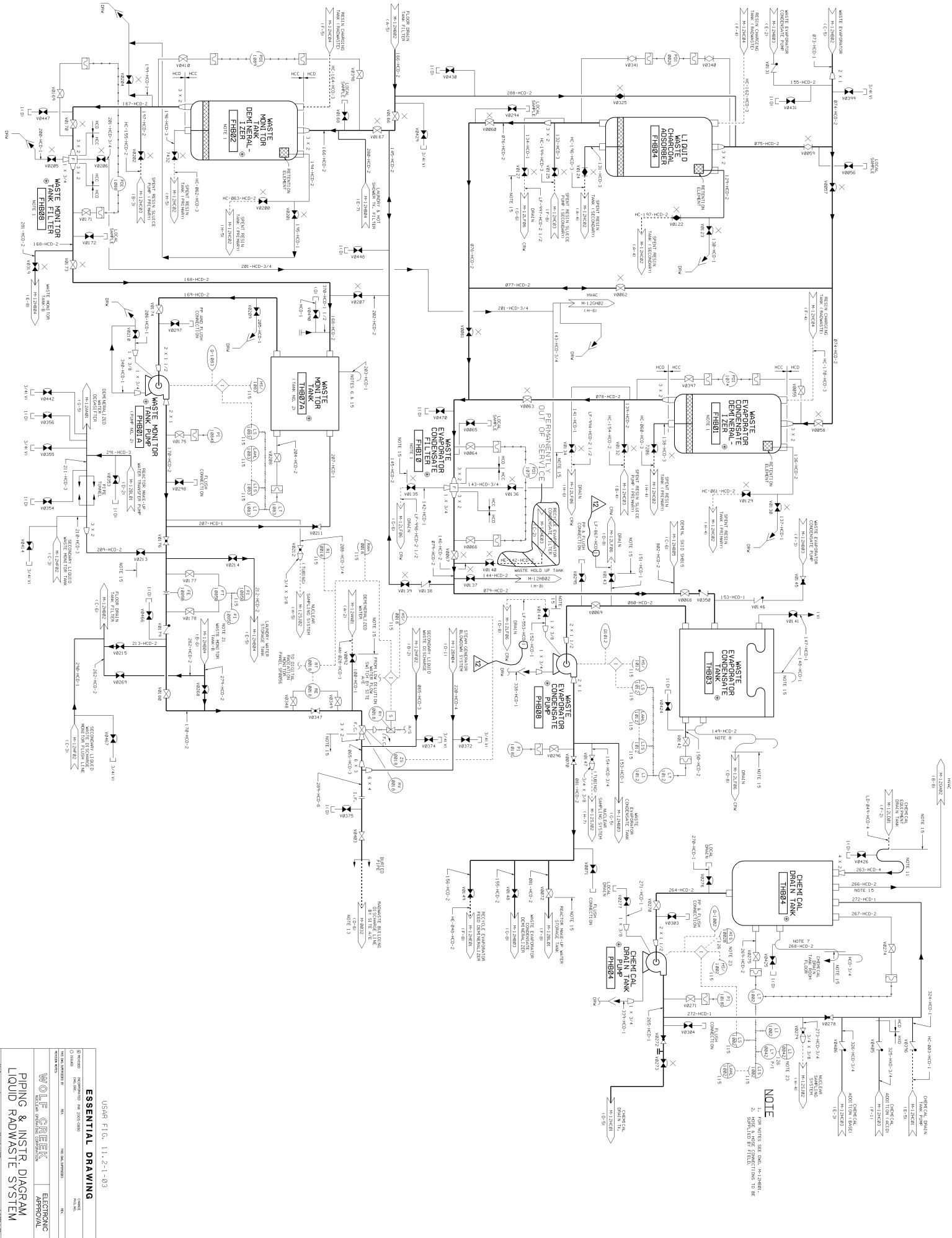
WOLF CREEK ELECTRONIC INSTRUMENTATION

PIPING AND INSTRUMENTATION LIQUID RADWASTE SYSTEM

M-124B02

DATE: 18

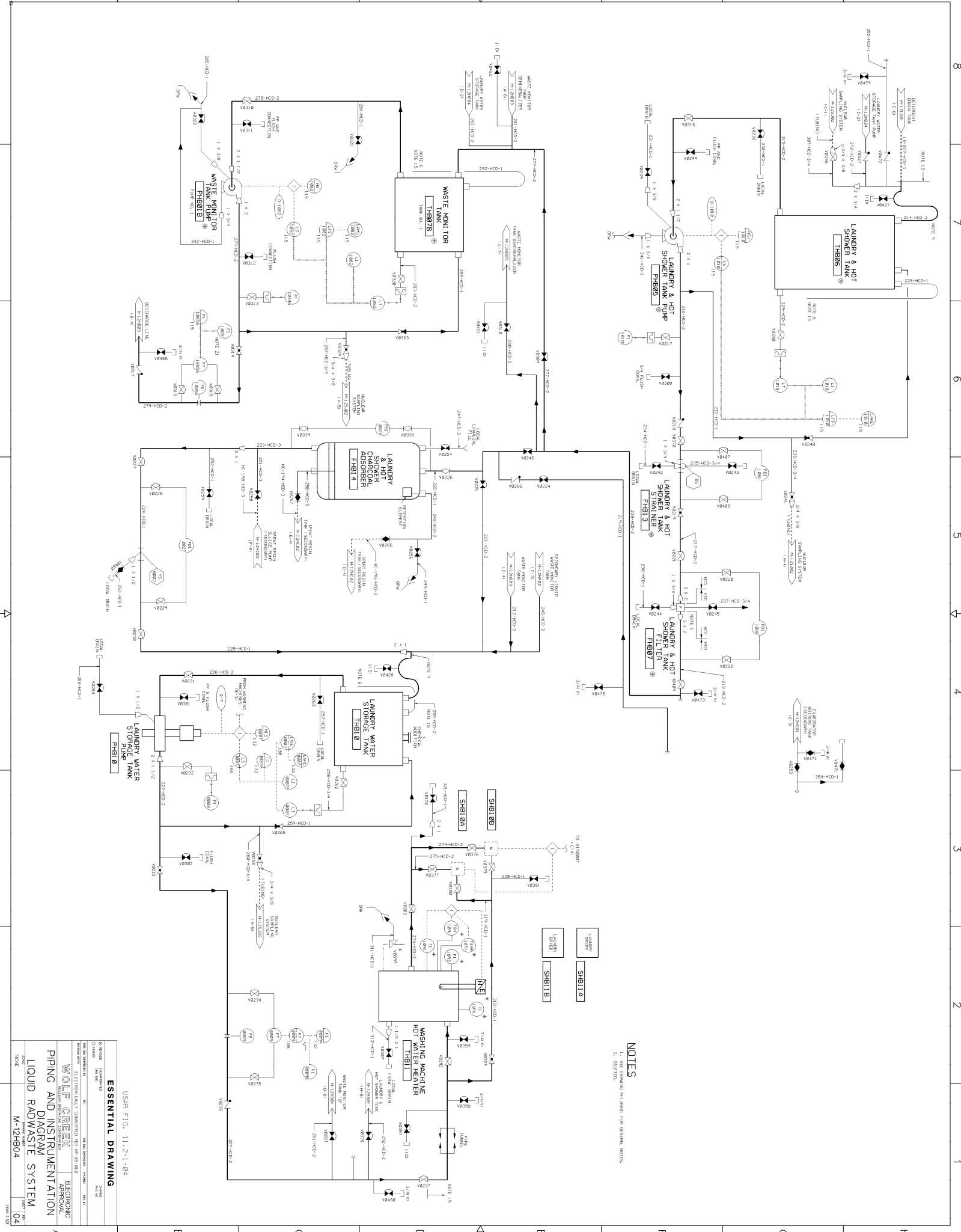
18



NOTE
 1. ALL WELDS SEE ONE, UNLESS NOTED OTHERWISE.
 2. SOME WELDS ARE TO BE FIELD WELDED.

USAR FIG. 11.2-1-83
ESSENTIAL DRAWING

NO.	REVISION	DATE	BY	CHKD.	APPR.
1	ISSUED	11/21/83	WOLFE	WOLFE	WOLFE
2	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
3	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
4	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
5	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
6	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
7	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
8	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
9	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
10	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
11	REVISED	11/21/83	WOLFE	WOLFE	WOLFE
12	REVISED	11/21/83	WOLFE	WOLFE	WOLFE



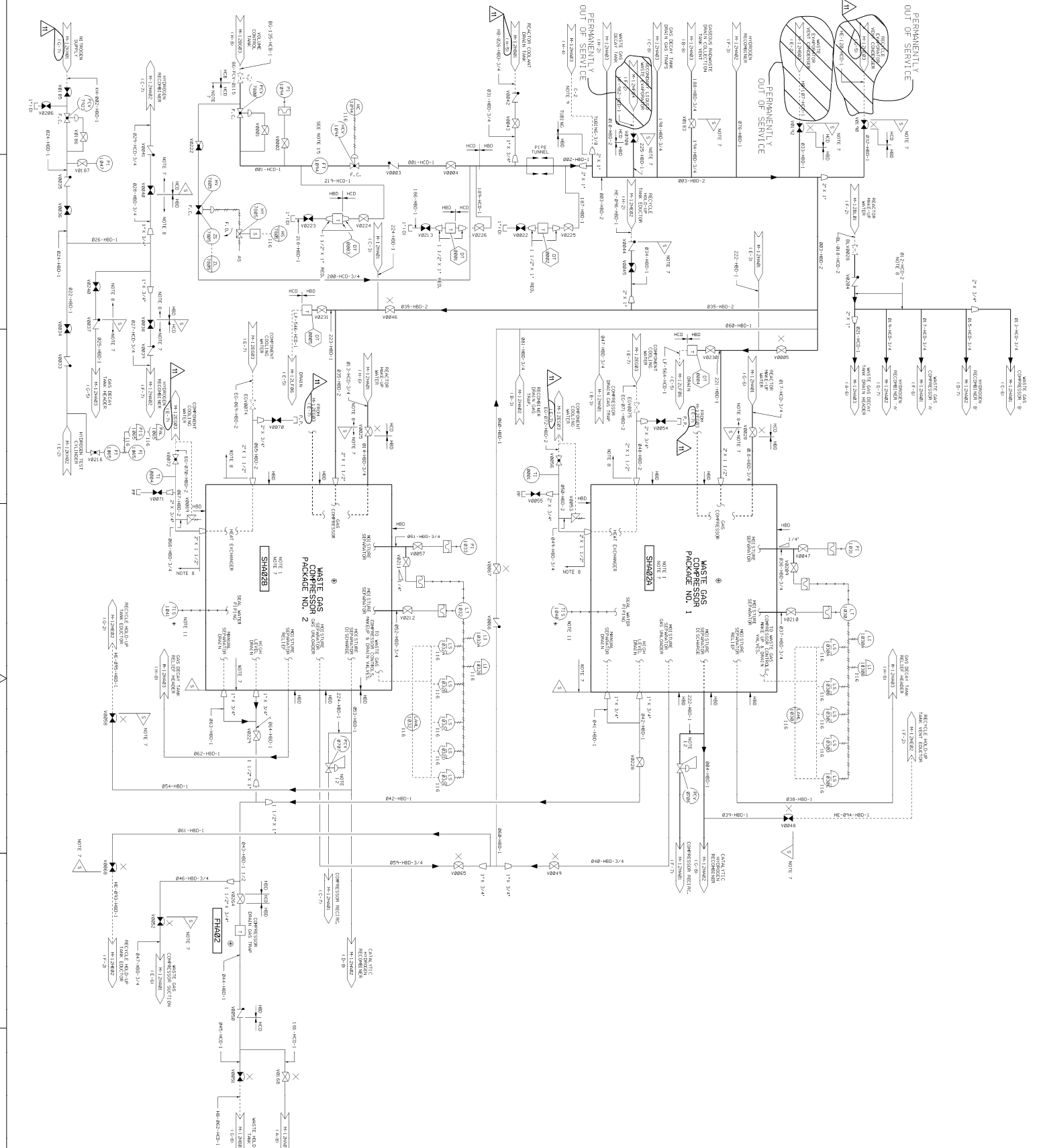
NOTES
 1. SEE DRAWING M-12HB01 FOR GENERAL NOTES.
 2. DELETE.

USAR FIG. 11.2-1-04

ESSENTIAL DRAWING

WOLF-CORP
 PIPING AND INSTRUMENTATION
 LIQUID RADWASTE SYSTEM
 M-12HB04

DATE: 04



NOTES

1. SET DRIVING PAKERS H-221-NANHS.
2. OPERATE SYSTEM IN PERMANENTLY OUT OF SERVICE MODE.
3. THIS DRAWING SHOWS ONE INSTRUMENTATION POINT.
4. THE POLYMERIZATION SYSTEM IS OPERATED IN A CONTINUOUS MANNER. THE POLYMERIZATION SYSTEM IS OPERATED IN A CONTINUOUS MANNER. THE POLYMERIZATION SYSTEM IS OPERATED IN A CONTINUOUS MANNER.
5. SET DRIVING PAKERS H-221-NANHS.
6. OPERATE SYSTEM IN PERMANENTLY OUT OF SERVICE MODE.
7. IDENTIFIED PORTION OF THE PROCESS INSTRUMENTATION POINTS.
8. IDENTIFIED PORTION OF THE PROCESS INSTRUMENTATION POINTS.
9. SET DRIVING PAKERS H-221-NANHS.
10. OPERATE SYSTEM IN PERMANENTLY OUT OF SERVICE MODE.
11. THIS INSTRUMENTATION POINT IS REQUIRED FOR THE POLYMERIZATION SYSTEM.
12. COMPRESSOR AND CONDENSER INSTRUMENTATION POINTS.
13. IDENTIFIED PORTION OF THE PROCESS INSTRUMENTATION POINTS.
14. IDENTIFIED PORTION OF THE PROCESS INSTRUMENTATION POINTS.
15. APPROVED IN PLACE.

ESSENTIAL DRAWING

USAR FIG. 11.3-1-01

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PIPING & INSTRUMENTATION DIAGRAM

GASEOUS RADWASTE SYSTEM

SCALE: NONE

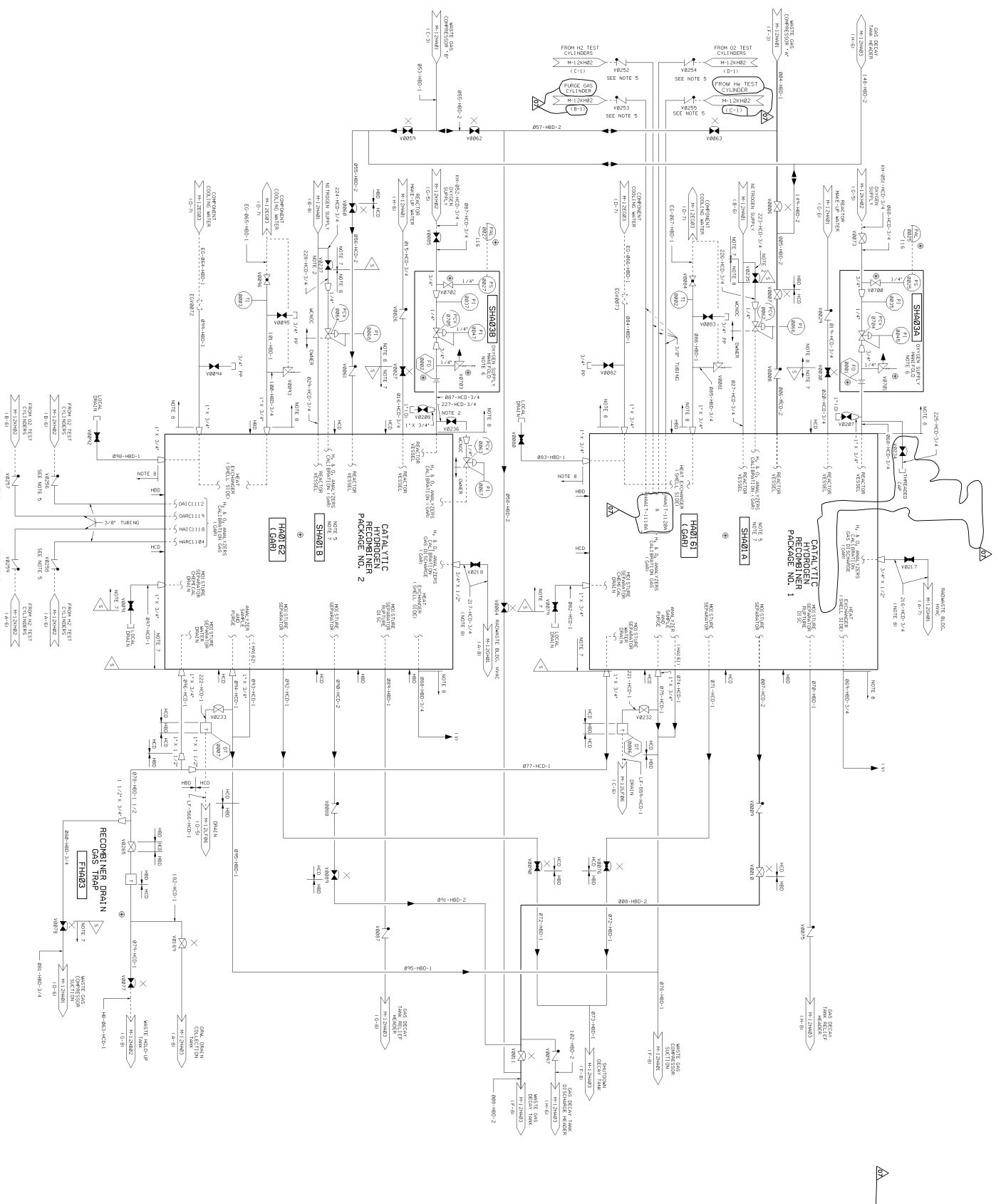
DATE: 11

REV: 11

DESIGNED BY: M-12HA01

CHECKED BY: M-12HA01

APPROVED BY: M-12HA01



- NOTES**
- FOR GENERAL NOTES, SEE PAGE M-12HA02.
 - UNITED STATES GOVERNMENT PRINTING OFFICE: 1964 O 458-480
 - DELETED
 - UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
 - UNLESS OTHERWISE SPECIFIED, ALL MATERIALS ARE TO BE AS SPECIFIED IN THE MATERIAL SPECIFICATIONS.

USAR FIG. 11.3-1-82

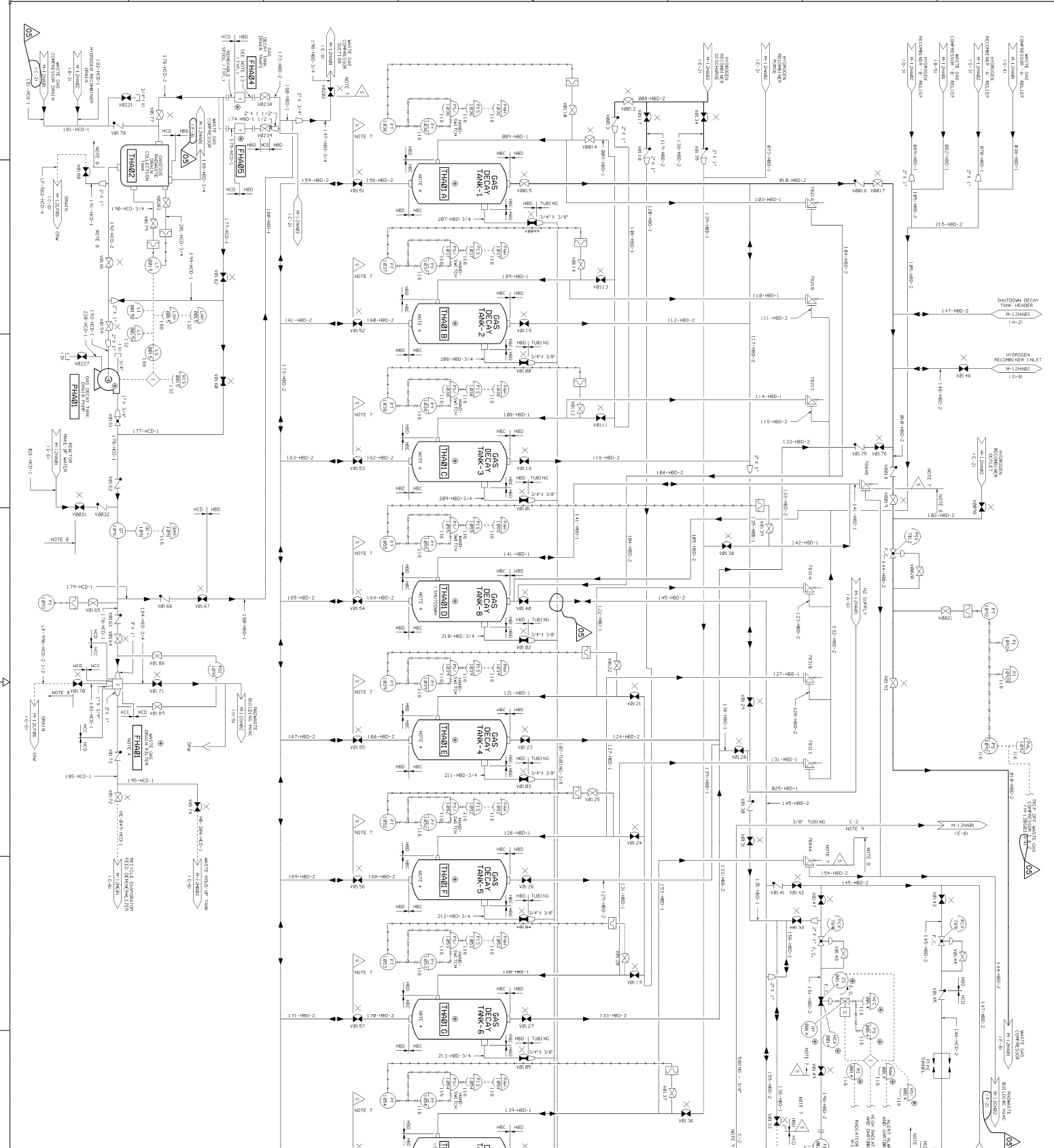
ESSENTIAL DRAWING

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 10/10/82
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WOLF GREEN
 PIPING & INSTRUMENTATION
 DIAGRAM

GASEOUS RADWASTE SYSTEM
 M-12HA02

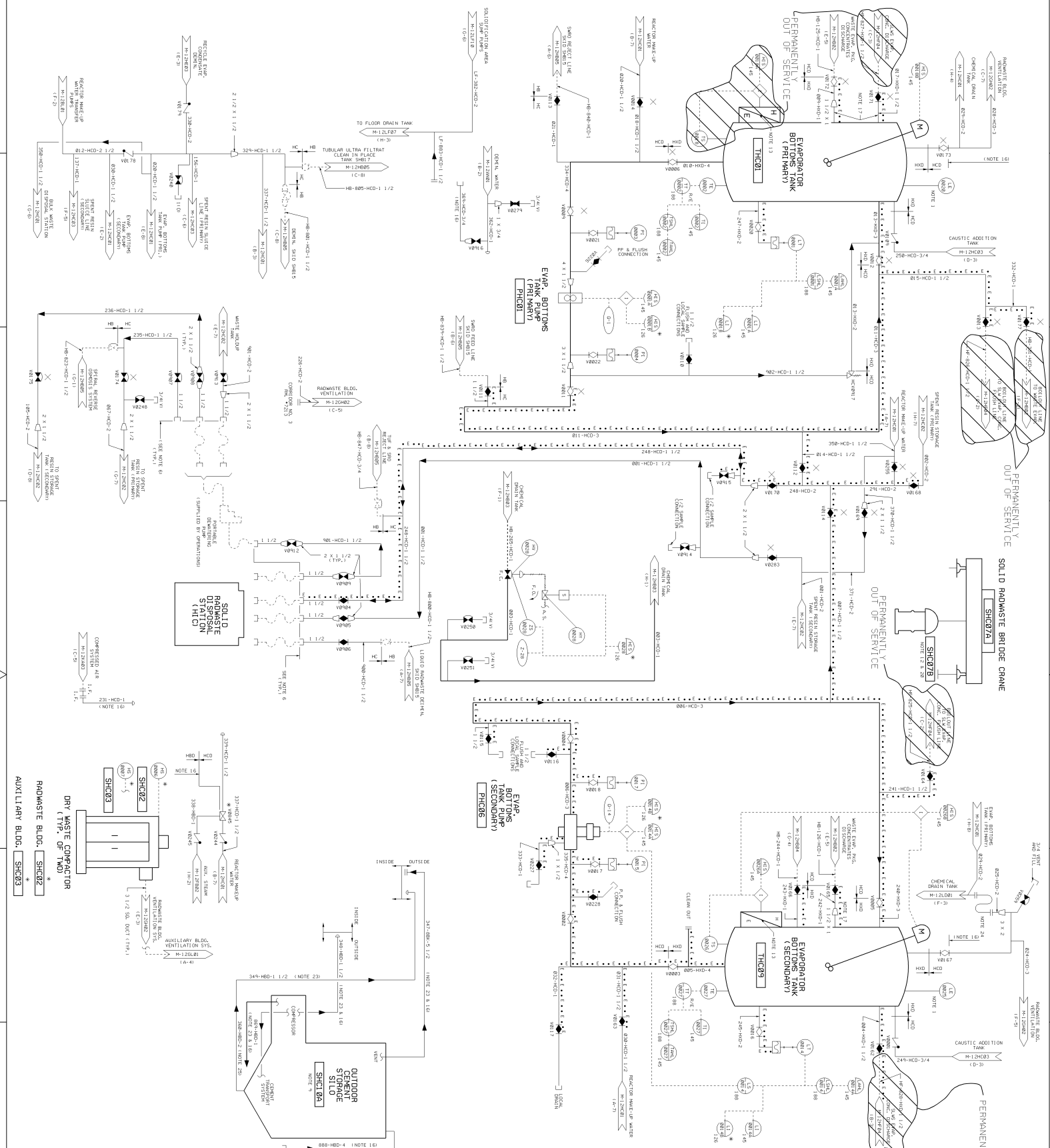
DATE 10/10/82



NOTES
FOR GENERAL NOTES, SEE M-12HA01

USAB FIG. 11-3-1-03
ESSENTIAL DRAWING
WOLF GREEN ELECTRONIC
PIPING & INSTRUMENTATION
GASEOUS RADWASTE SYSTEM
M-12HA03

DATE	05
BY	05
CHECKED	05
DESIGNED	05
APPROVED	05



- NOTES**
1. ULTIMATE LEVEL INDICATORS, LABORATORY IN RACKS
 2. ALL LEVELS ARE 3 SYSTEMS LOCATED ON THE BOTTOM OF THE TANK
 3. POSITION OF THIS SYSTEM CONTROL BY THE OPERATOR IS INDICATED BY THE POSITION OF THE VALVE
 4. PUMP MOTOR WINDING CONNECTIONS ARE IDENTIFIED BY THE POSITION OF THE VALVE
 5. THE FOLLOWING STANDARD INSTRUMENTATION EQUIPMENT IS PROVIDED FOR THE SYSTEM:
 - 1. FLOW METER
 - 2. PRESSURE METER
 - 3. TEMPERATURE METER
 - 4. LEVEL METER
 - 5. FLOW METER
 - 6. PRESSURE METER
 - 7. TEMPERATURE METER
 - 8. LEVEL METER
 6. FLOW METER CONNECTIONS SUPPLIED BY THE OPERATOR
 7. REFER TO NOTE # 1 & 10, M-13-20-002.
 8. REFER TO NOTE # 1 & 10, M-13-20-002.
 9. REFER TO NOTE # 1 & 10, M-13-20-002.
 10. REFER TO NOTE # 1 & 10, M-13-20-002.
 11. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 12. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 13. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 14. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 15. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 16. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 17. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 18. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 19. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 20. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 21. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 22. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 23. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 24. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK
 25. EXHAUST, STAIN-ON INCHES SUPPLIED BY THE TANK

USAR FIG. 11.4-1-01

ESSENTIAL DRAWING

WOLF-CRANE ELECTRONIC APPARATUS

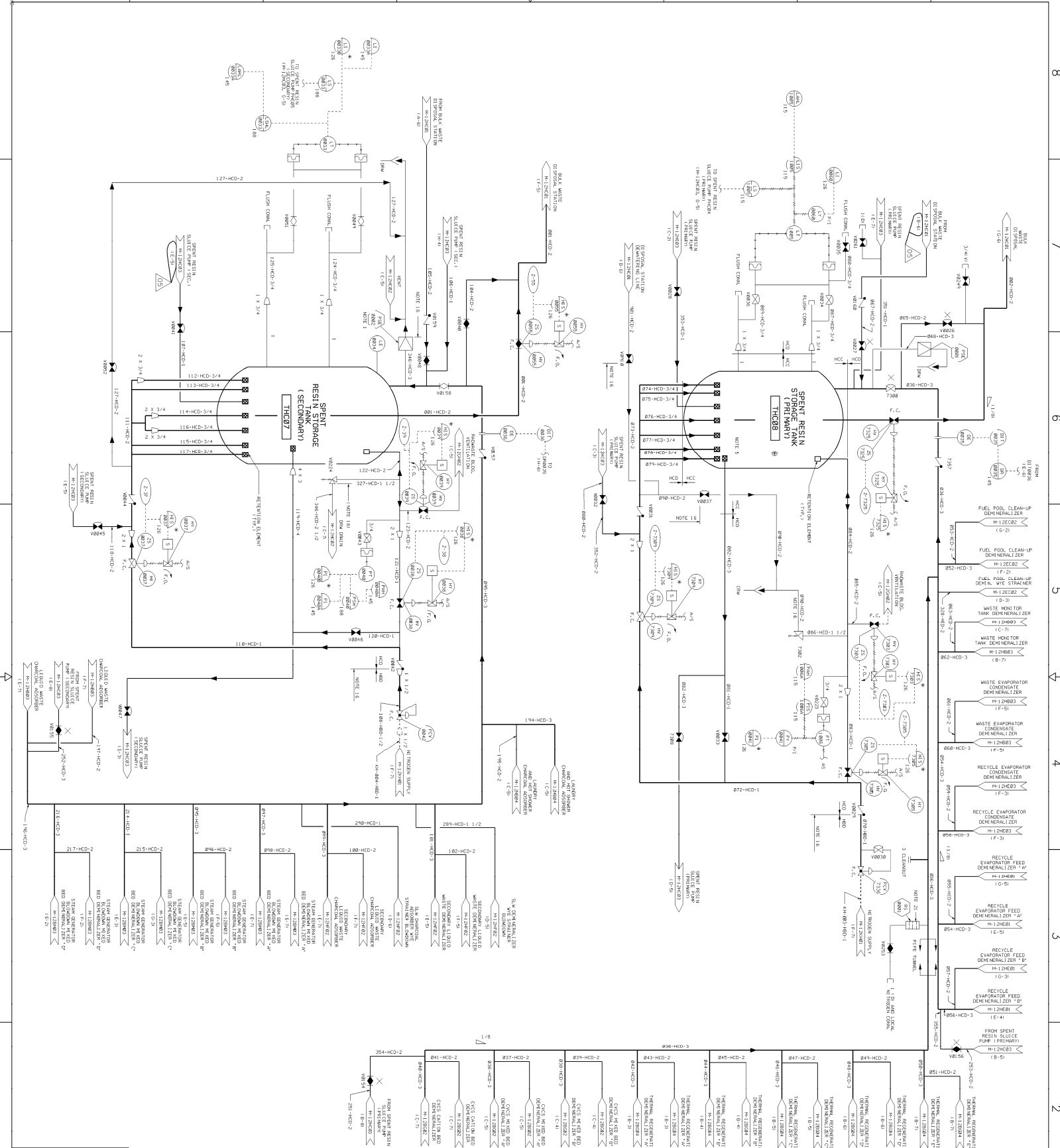
PIPING & INSTRUMENTATION DIAGRAM

SOLID RADWASTE SYSTEM

SCALE: NONE

DATE: 15

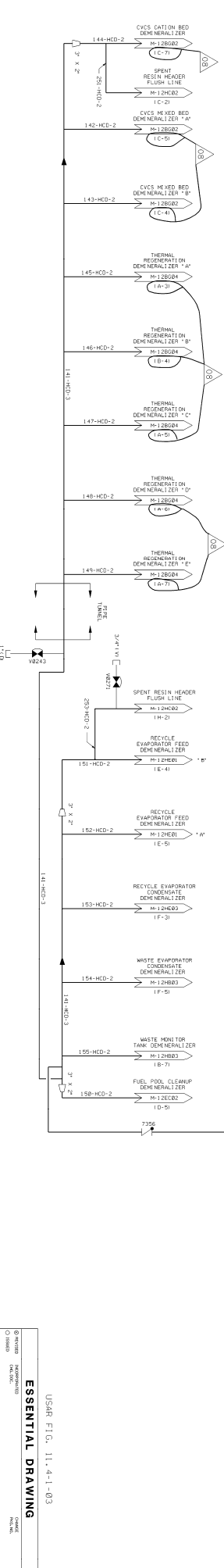
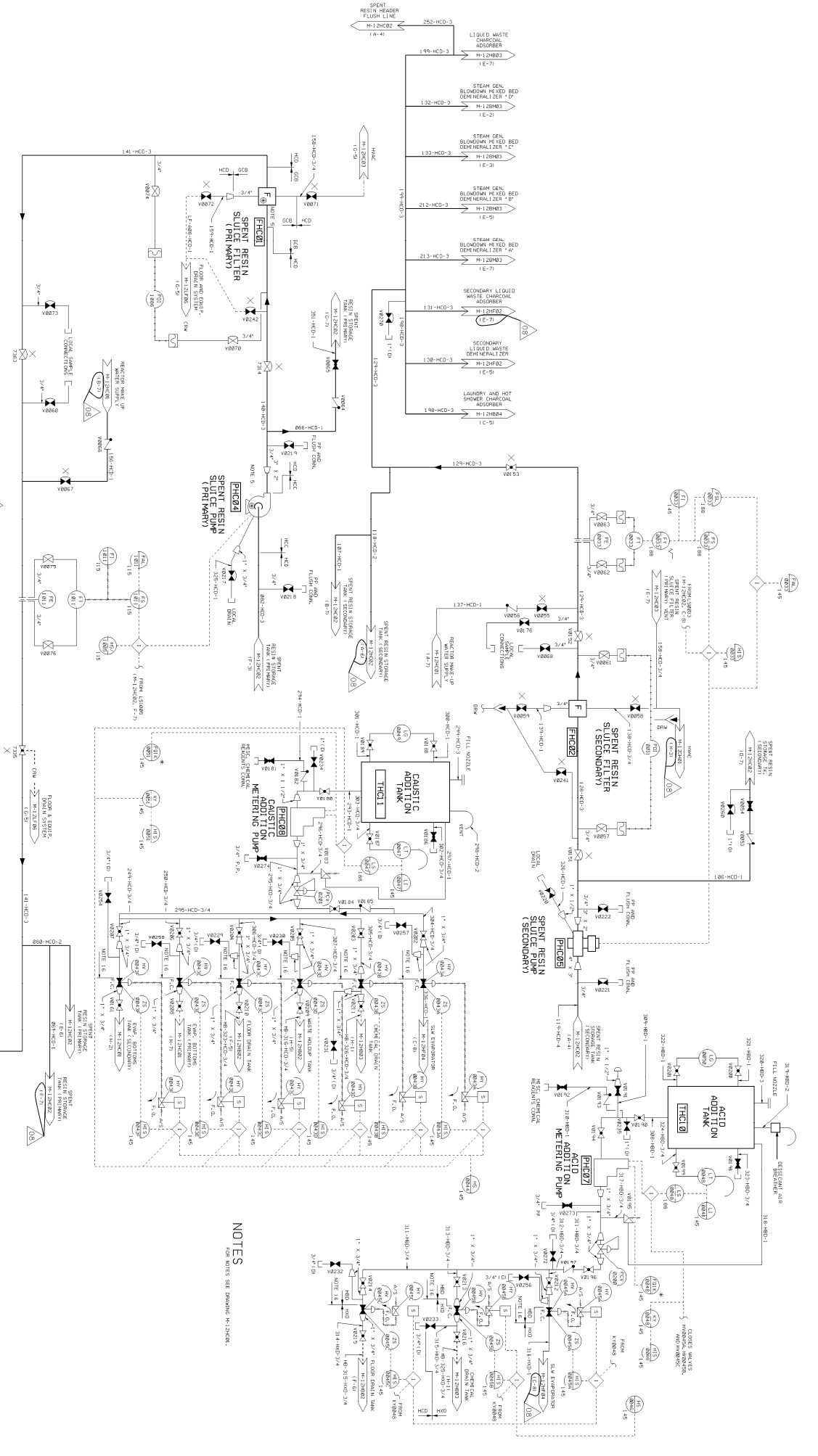
15



NOTES:
 1. SEE DRAWING M-12080 FOR NOTES.

USAR FIG. 11.4-1 -02
ESSENTIAL DRAWING

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PIPING & INSTRUMENTATION APPROVAL
SOLID RADWASTE SYSTEM
 M-12080
 DATE: 05



NOTES
FOR NOTES SEE DRAWING M-12HC01.

USAR FIG. 11.4-1-03

ESSENTIAL DRAWING

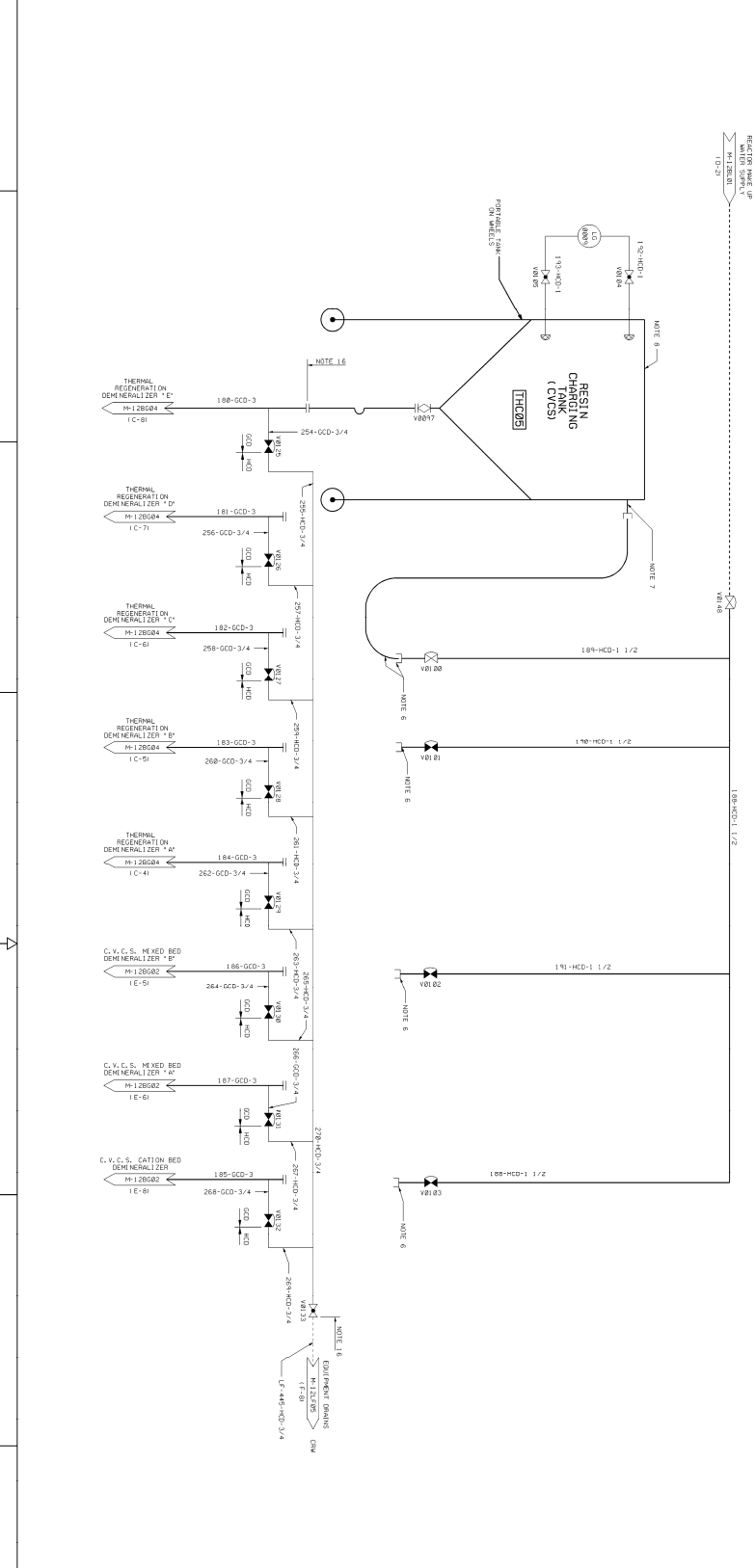
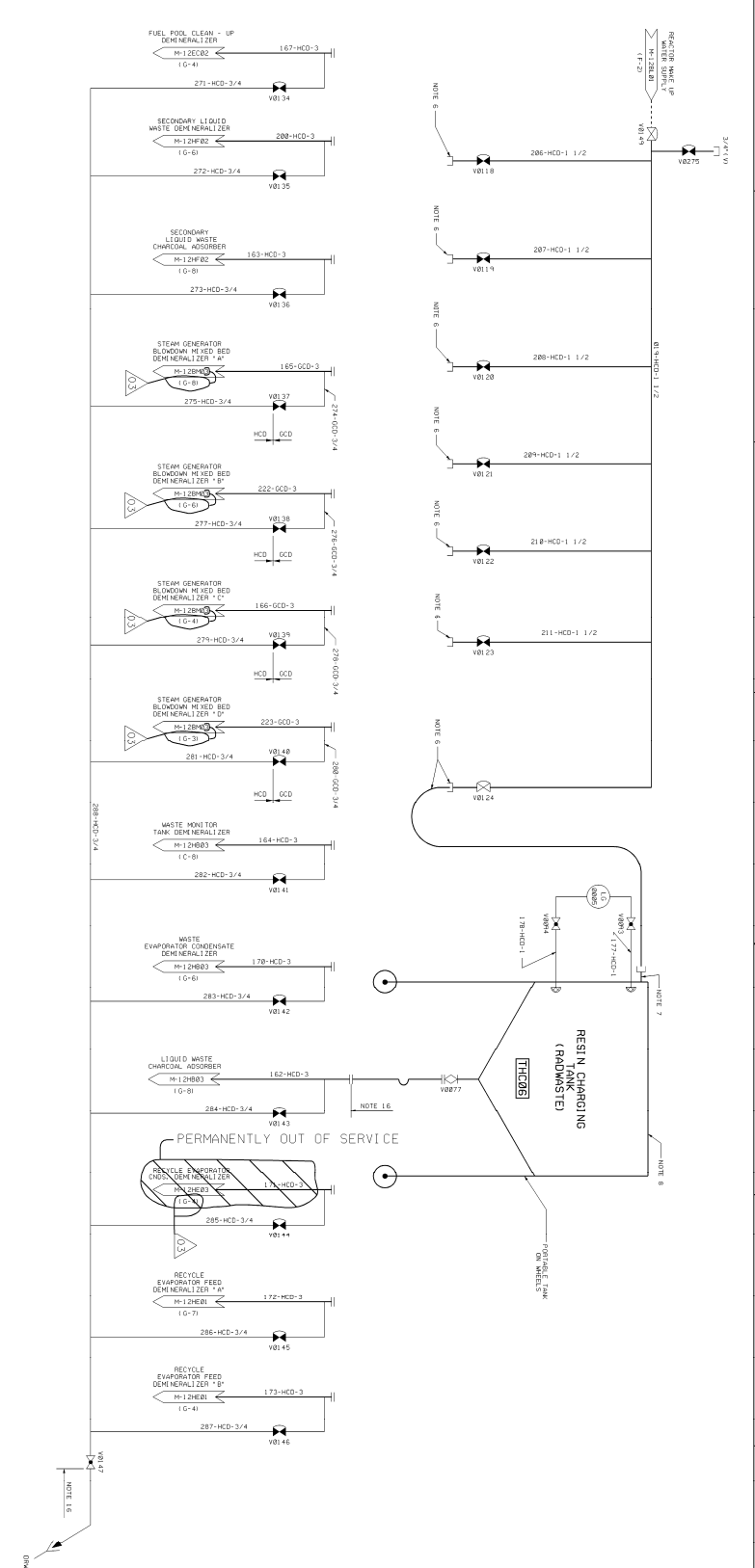
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PIPING AND INSTRUMENTATION DIAGRAM

SOLID RADWASTE SYSTEM

M-12HC03

DATE: 08



NOTES
FROM NOTES SHEET DRAWING M-12HC01.

USAR FIG. 11.4-1-04

ESSENTIAL DRAWING

REVISIONS

NO.	DATE	DESCRIPTION
1	11/4/84	ISSUED FOR CONSTRUCTION

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

PIPING AND INSTRUMENTATION DIAGRAM

SOLID RADWASTE SYSTEM

M-12HC04

03