

2004.07.30 Hw
minor
mod



New York State Department of Environmental Conservation
Division of Environmental Permits, Region 4
1150 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2069 • **FAX:** (518) 357-2460
Website: www.dec.state.ny.us

William Morris
Vice-President of Environmental Affairs
Norlite Corporation
628 South Saratoga Street
P.O. Box 694
Cohoes, New York, 12047

July 30, 2004

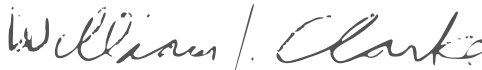
Re: Minor Modification for re-configuring piping
EPA I.D. No: NYD002014595
DEC Part 373/Air Permit No.3-3340-00027/4-0
Cohoes (C), Albany County

Dear Mr. Morris:

The New York State Department of Environmental Conservation (Department) has reviewed and hereby approves Norlite Corporation's application dated July 12 & 23, 2004 to reconfigure certain piping. This approval is granted provided that all the replaced below ground piping shall be drained & flushed prior to welding a steel sheet inside the tank and a blind flange at the pump end. Please substitute this approval letter for the one dated 7/29/04

Please notify the Department in writing upon completion of the piping reconfiguration and prior to putting it into use stating that it has been performed in accordance with the application & this approval letter. If you have any questions, please feel free to contact Parag or myself.

Sincerely Yours,


William J. Clarke
Regional Permit Administrator
Region 4

Per.mod piping7302004.wpd
encl:
cc: C. VanGuilder, R4
H. Brezner, R4
D. Canestrari, R4
S. Chetty, CO
P. Amin, CO

New York State Department of Environmental Conservation

Division of Environmental Permits, Region 4

1150 North Westcott Road, Schenectady, New York 12306-2014

Phone: (518) 357-2069 • FAX: (518) 357-2460

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Erin M. Crotty
Commissioner

William Morris
Vice-President of Environmental Affairs
Norlite Corporation
628 South Saratoga Street
P.O. Box 694
Cohoes, New York, 12047

July 29, 2004

Re: Minor Modification for re-configuring piping
EPA I.D. No: NYD002014595
DEC Part 373/Air Permit No.:3-3340-00027/4-0
Cohoes ©), Albany County

Dear Mr. Morris:

The New York State Department of Environmental Conservation has reviewed and hereby approves Norlite Corporation's application dated July 12 & 23, 2004 to reconfigure certain piping.

Please notify the Department in writing upon completion of the piping reconfiguration in accordance with the application and prior to putting it to use. If you have any questions, please feel free to contact Parag Amin or myself.

Sincerely Yours,

William J. Clarke
Regional Permit Administrator
Region 4

Per.mod piping.wpd

encl:

cc: C. VanGuilder, R4
H. Brezner, R4
D. Canestrari, R4
S. Chetty, CO
P. Amin, CO

From: Parag Amin
To: Tom Sullivan
Date: 07/22/2004 9:14:01 AM
Subject: Norlite: Minor modification - reconfigure piping

Your submission date July 12, 2004 fails to indicate if new piping meets the requirements of 373-2.10(d)(6) (i.e. secondary containment requirements for piping). Please revise & resubmit the permit modification request to indicate how Norlite intends to meet these requirements.

CC: Brezner, Howard; Chetty, Sev; Clarke, William; Donald Canestrari; VanGuilder, Cliff

File

New York State Department of Environmental Conservation

Notification of Availability for Review



To HAZARDOUS WASTE REGULATION HEADQUARTERS
HOWARD BREZNER

From WILLIAM J CLARKE **Send Date** July 14, 2004
NYSDEC REGION 4 HEADQUARTERS **Reply By** July 28, 2004
SCHENECTADY NY 12306 2014 (518) 357-2069

Application Id 4-0103-00016/00016 **Batch ID** 937390

SPDES ID NY0004880 **Mined Land ID** 40002 **Solid Waste ID**

Permits Applied 1 - Article 27 Title 9 Resource Conservation and Recovery Act

Applicant/Owner NORLITE CORP **Owner ID** 17564

Facility Name NORLITE CORP

County ALBANY COUNTY **NYTM-E:** 606.159
Town COHOES **NYTM-N:** 4734.382

Description

mod to reconfigure piping for haz waste tanks - 335-300,400,500 & 600

Sender Comments

Please review and comment, thanks

Reviewer Comments / Recommendations

Comments continued on back _____**Comments attached** _____**Reviewed By** _____

(name)

(unit)

(phone)

(date)

Norlite Corporation



628 SO. SARATOGA ST.
P.O. BOX 694
COHOES, NY 12047
PHONE (518) 235-0401
FAX (518) 235-0233

July 12, 2004

Mr. William J. Clarke
Regional Permit Administrator
New York State Department of Environmental Conservation
Region 4
1150 North Wescott Road
Schenectady, NY 12306-2014

VIA CERTIFIED MAIL: 70031010000526496547
RETURN RECEIPT REQUESTED

Re: Norlite Corporation
6 NYCRR Part 373 Permit No. 4-0103-16/16-0
6 NYCRR Part 373 Minor Permit Modification-reconfigure piping
for permitted hazardous waste tanks

Dear Mr. Clarke:

In accordance with 6 NYCRR 373-1.7(c)(1)(iii) the Norlite Corporation (Norlite) submits for approval the following minor permit modification to the facilities Part 373 Permit.

The following modifications involve changes to the piping of the permitted hazardous waste storage tanks 335-300, 400, 500 & 600 (outside tanks). The revised drawings reflect the following changes:

- The installation of new piping, valves and tank nozzles will allow Norlite to unload directly from Unloading Area #2 to the outside tanks. These modifications are shown on drawings: NY003-1317, NY003-5432, NY003-5433 and NY003-5434.
- The installation of new piping, valves and tank nozzles, as well as modifications of existing piping, will facilitate the recirculation of LGF from the kiln burners back to the outside tanks. The recirculation will only occur after the agitators have been installed as per the modification approved on April 20, 2004. These modifications are shown on drawings: NY003-1312, NY003-1314, NY003-1315, NY003-1317, NY003-5432 and NY003-5433.
- The installation of a crossover line and valves from line #1 to line #2 in the equalization building will allow Norlite to burn LGF on Kiln #2 from the inside tanks and Kiln #1 from the outside tanks. This modification is shown on drawing NY003-1314.

All changes have been discussed with Mr. Parag Amin of the NYSDEC and the attached drawings have been revised to reflect the changes discussed above.

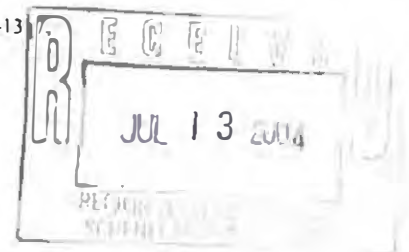
Should you have any questions regarding this letter or should the Department require any additional information to process this modification, please contact me at (518) 235-0401.

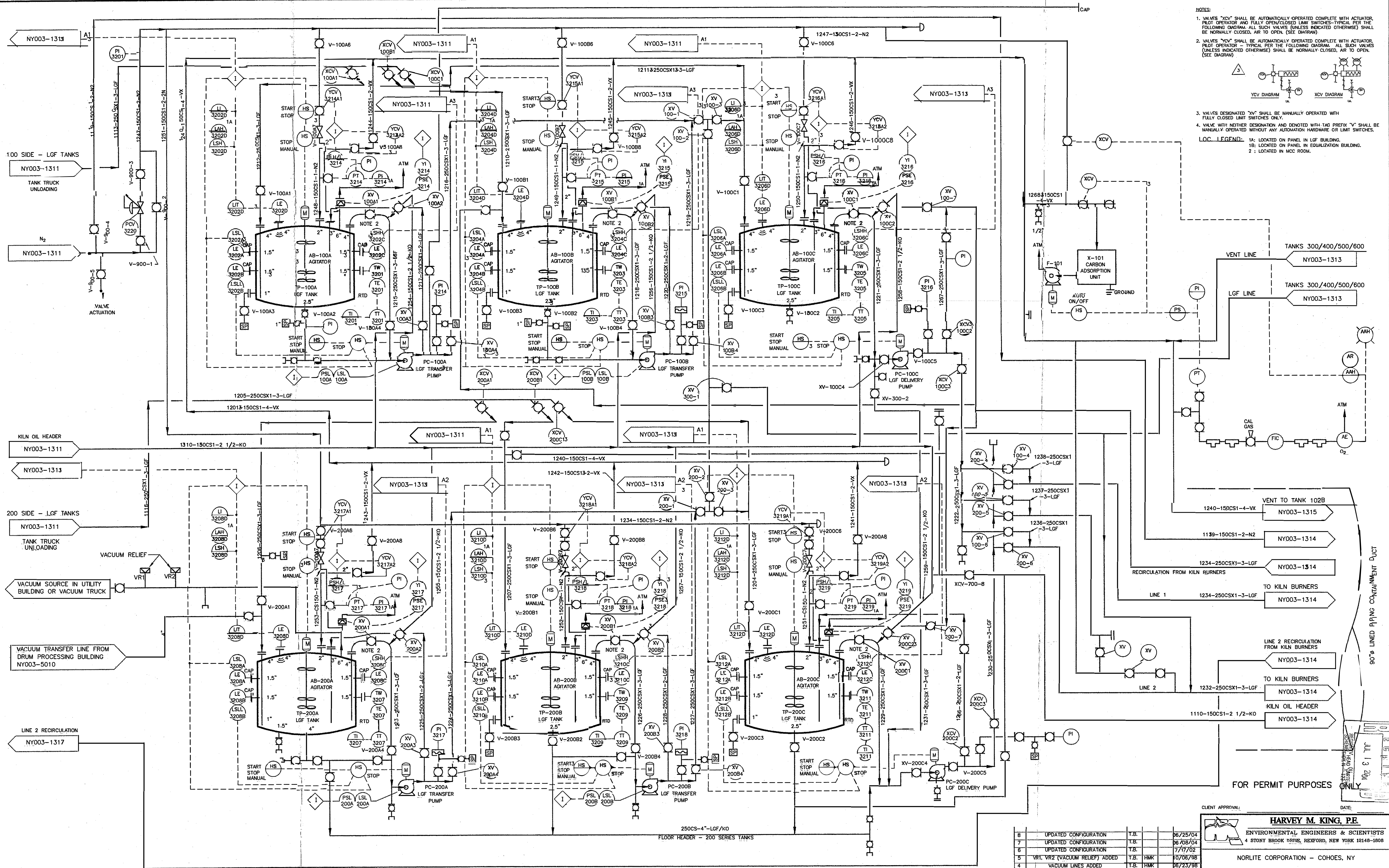
Sincerely,

Thomas J. Sullivan
Environmental Manager

Attachments: (drawings NY003-1311, NY003-1312, NY003-1314, NY003-1315, NY003-1317, NY003-5432, NY003-5433 and NY003-5434)

Cc: Parag Amin, NYSDEC-Central Office w/ attachments
Don Canistrari, NYSDEC-Onsite Monitor w/o attachments

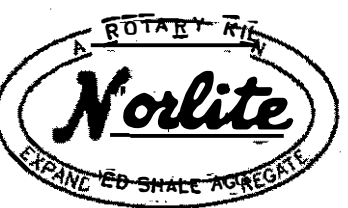


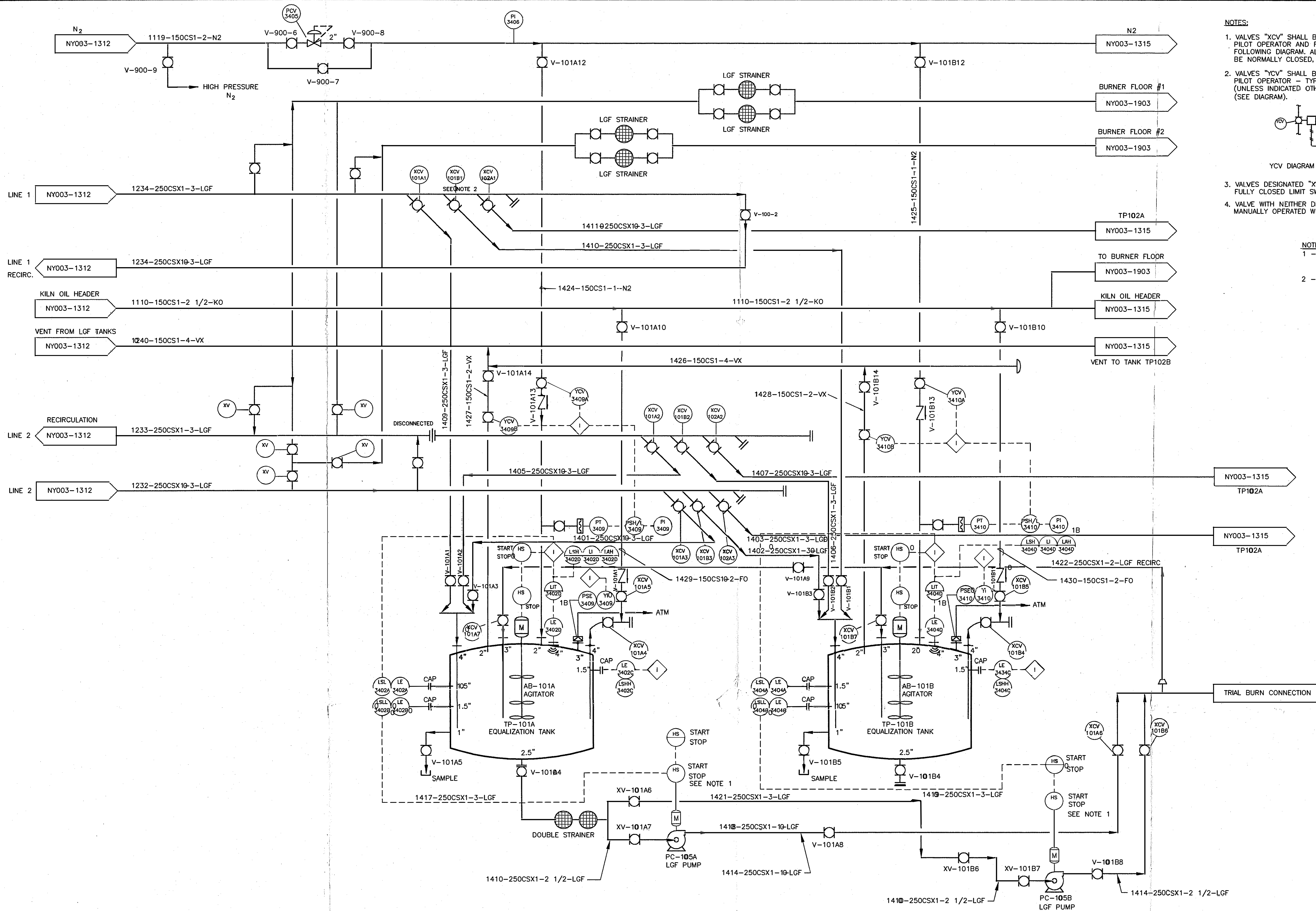


- NOTES:
1. VALVES "XCV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR AND FULLY OPEN/CLOSED LIMIT SWITCHES-TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN. (SEE DIAGRAM)
 2. VALVES "YV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR AND FULLY OPEN/CLOSED LIMIT SWITCHES-TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN. (SEE DIAGRAM)
 3. VALVES DESIGNATED "YV" SHALL BE MANUALLY OPERATED WITH FULLY CLOSED LIMIT SWITCHES ONLY.
 4. VALVE WITH NEITHER DESIGNATION AND DENOTED WITH TAG PREFIX "V" SHALL BE MANUALLY OPERATED WITHOUT ANY AUTOMATION HARDWARE OR LIMIT SWITCHES.
- LOC. LEGEND:
- 1A: LOCATED ON PANEL IN LGF BUILDING.
 - 1B: LOCATED ON PANEL IN EQUALIZATION BUILDING.
 - 2: LOCATED IN MCC ROOM.

CLIENT APPROVAL:		DATE:	
			
HARVEY M. KING, P.E.			
ENVIRONMENTAL ENGINEERS & SCIENTISTS			
4 STONY BROOK DRIVE, BEXFORD, NEW YORK 12148-1008			
NORLITE CORPORATION - COHOES, NY			
PIPING & INSTRUMENTATION DIAGRAM			
LGF STORAGE AND TRANSFER			
PROJECT NO.	NY003-E1312	DATE	04/29/02
DESIGNER	H.M.K.	FILE NAME	NY003-1312
DRAWN		DRAWING NO.	NY003-1312

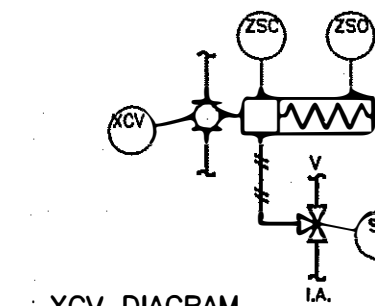
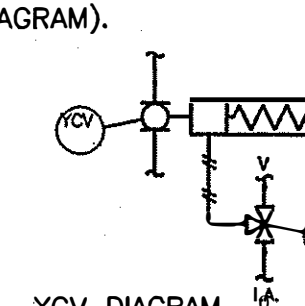
INFORMATION PRESENTED ON THIS DRAWING HAS BEEN COMPILED FROM CURRENT FIELD DATA AND ORIGINAL DESIGN DRAWINGS PREPARED BY ENSR CONSULTING & ENGINEERING.





NOTES:

1. VALVES "XCV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR AND FULLY OPEN/CLOSED LIMIT SWITCHES-TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN. (SEE DIAGRAM).
2. VALVES "YCV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR - TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN. (SEE DIAGRAM).
3. VALVES DESIGNATED "XV" SHALL BE MANUALLY OPERATED WITH FULLY CLOSED LIMIT SWITCHES ONLY.
4. VALVE WITH NEITHER DESIGNATION AND DENOTED WITH TAG PREFIX "V" SHALL BE MANUALLY OPERATED WITHOUT ANY AUTOMATION HARDWARE OR LIMIT SWITCHES.



NOTE:

- 1 - START / STOP OF PUMPS PC-105A/B ARE INTERLOCKED TO THE SUCTION AND DISCHARGE VALVE POSITIONS.
- 2 - LATERALS TO BE LOCATED AS CLOSE TOGETHER AS POSSIBLE.

LOCATION LEGEND

1A = PANEL IN LGF BUILDING
1B = PANEL IN EQUALIZATION BUILDING

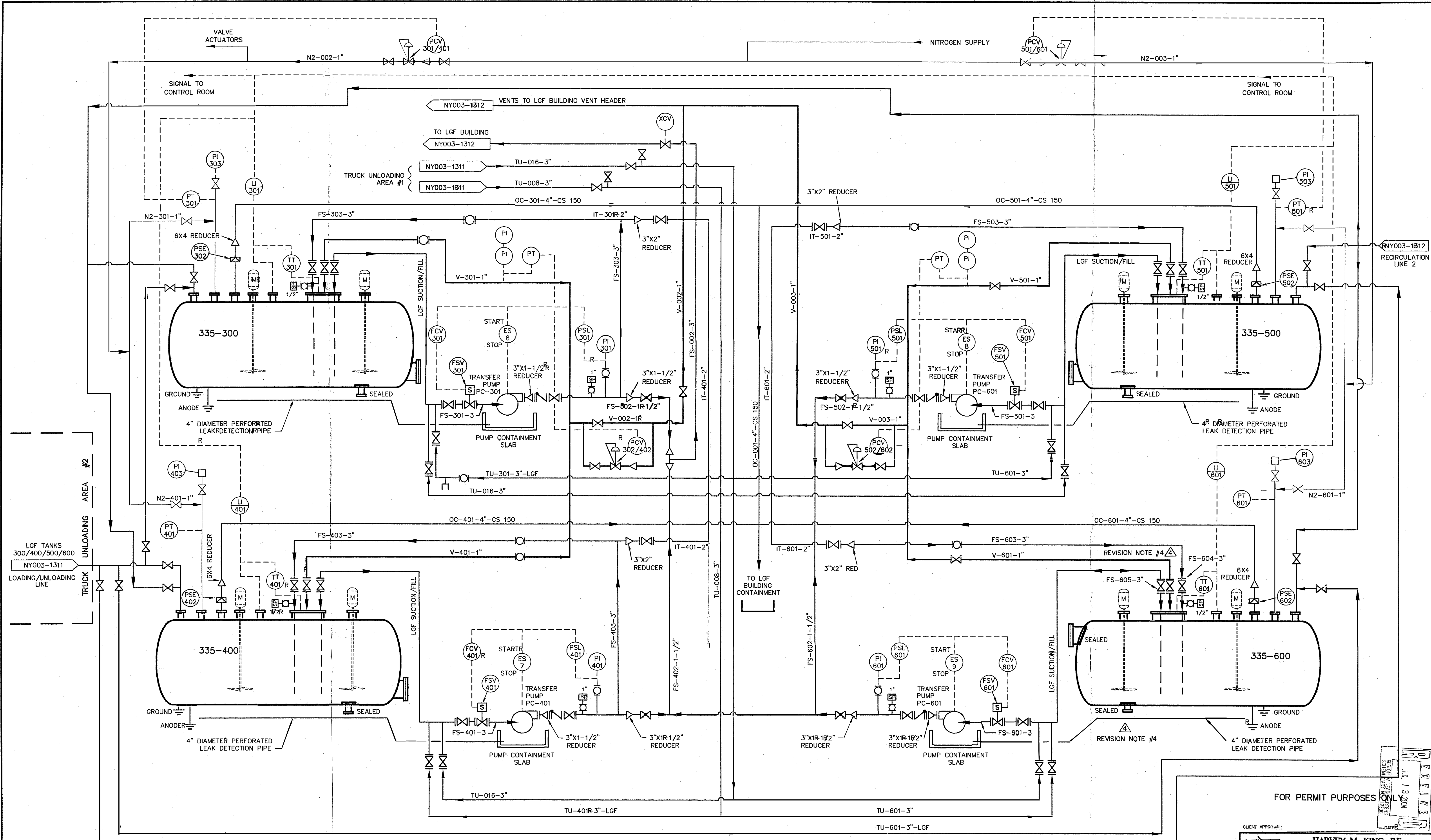
FOR PERMIT PURPOSES ONLY



INFORMATION PRESENTED ON THIS DRAWING HAS BEEN COMPILED FROM CURRENT FIELD DATA AND ORIGINAL DESIGN DRAWINGS PREPARED BY ENSR CONSULTING & ENGINEERING.

REV.	DESCRIPTION	DATE	BY	CHK	DATE
6	UPDATED CONFIGURATION	06/08/04	T.V.B.		
5	UPDATED CONFIGURATION	7/17/02	T.V.B.		
4	DELETED LINES 1404, 1408, 1412	8/11/93	PMW	J.E.	J.E.
3	REVISED PER ENGR REVIEW	12/04/92	J.E.	J.R.	J.R.
2	REVISED PER ENGR REVIEW	10/17/92	J.E.	J.R.	J.R.
1	REV AS INDICATED	8/17/92	EB	J.E.	J.E.
0	FOR CONSTRUCTION	7/27/92	MAC	J.E.	J.E.

CLIENT APPROVAL:		DATE:	
HARVEY M. KING, P.E. ENVIRONMENTAL ENGINEERS & SCIENTISTS 4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1808			
NORLITE CORPORATION - COHOES, NY			
PIPING & INSTRUMENTATION DIAGRAM LGF EQUALIZATION AND FEED (TANKS TP-101A, TP-101B)			
DRAWN BY: T.V.B. ENGINEER: H.M.K.	DATE: 04/29/02 FILE NAME: NY003-1314	DRAWING/FILE REF: NY003-E1314 DRAWING NO: NY003-1314	



DRAWING REFERENCE:
 DRAWING #4 "LGF (LOW GRADE FUEL) SYSTEM, TANK FARM FLOW DIAGRAM".
 PREPARED BY STETSON2-DALE, PC FOR NORLITE CORPORATION.
 DATED 02/24/84.



8	UPDATED CONFIGURATION	T.V.B.	H.M.K.	06/25/04
7	UPDATED CONFIGURATION	T.V.B.	H.M.K.	06/08/04
6	NOZZLES H & I ADDITIONS CONFIGURATION	T.V.B.	H.M.K.	05/07/04
5	UPDATED TANK 600 CONFIGURATION	T.V.B.	H.M.K.	05/03/04
4	PIPING MODIFICATIONS TO TANK 600	T.V.B.	H.M.K.	12/12/03
3	UPDATED CONFIGURATION	T.V.B.	H.M.K.	7/17/02
2	OPERATING CAPACITY REVISED	T.V.B.	H.M.K.	11/05/01
1	OPERATING CAPACITY REVISED	T.V.B.	H.M.K.	03/11/00
REV.	DESCRIPTION	OWN	ENG.	CHK

This drawing is property of H.M.K. P.E., including all patented and potential features, and / or confidential information and use hereof is conditioned upon the user's agreement not to reproduce the drawing, in whole or part, nor the material described thereon, nor the use of the drawing for any purpose other than specifically permitted in writing by H.M.K. P.E.

CLIENT APPROVAL:

HARVEY M. KING, P.E.
 ENVIRONMENTAL ENGINEERS & SCIENTISTS
 4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1808

NORLITE CORPORATION - COHOES, NY

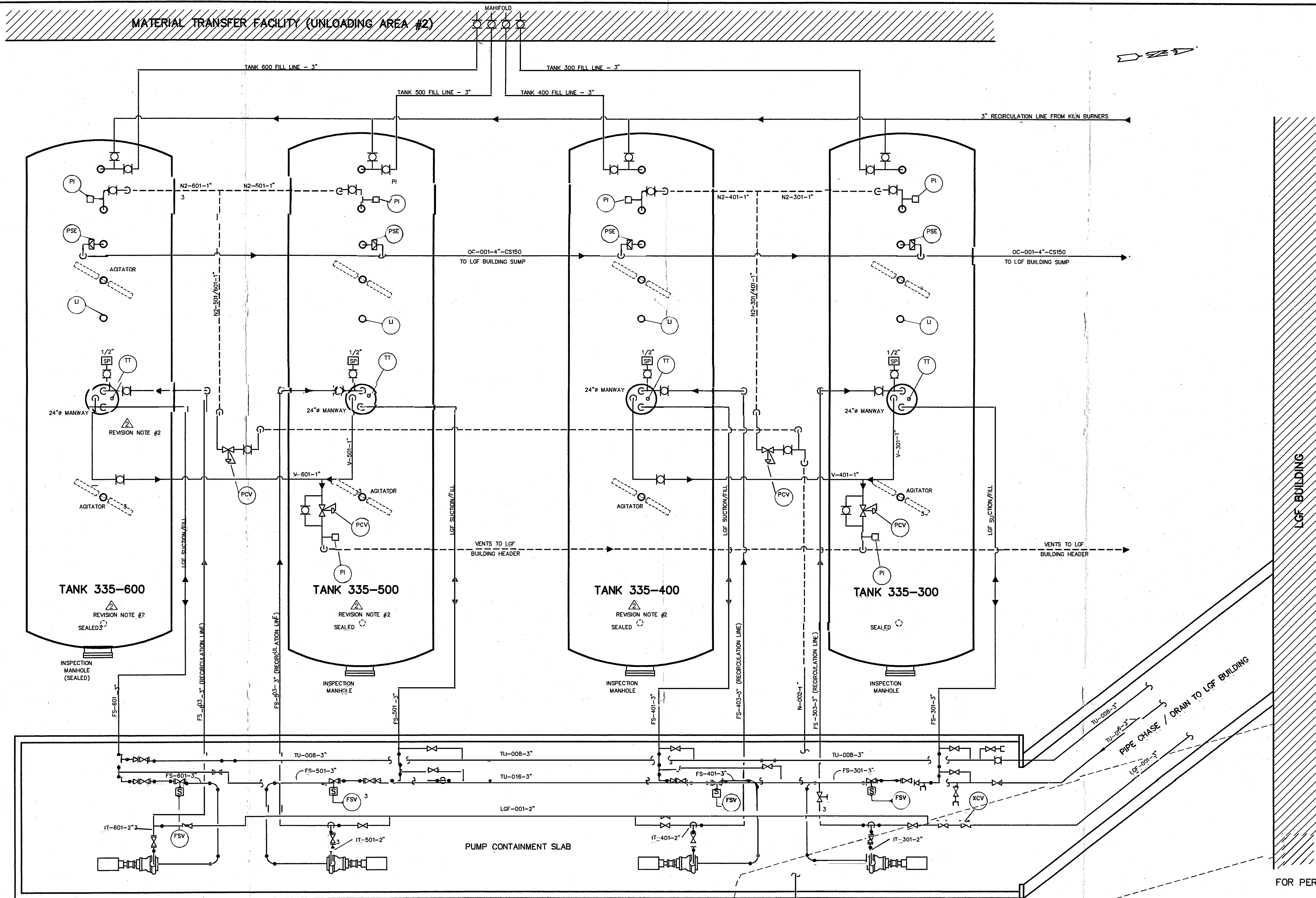
PIPING & INSTRUMENTATION DIAGRAM
LGF TANK SYSTEM

DATE: 04/29/02
 FILE NAME: NY003-1317-HI
 DRAWING NO: NY003-1317

DRAWING #4

RECEIVED
 JUL 13 2004
 DATE

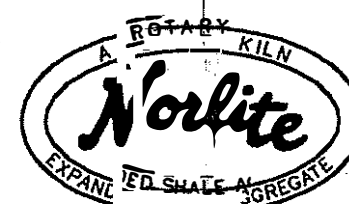
FOR PERMIT PURPOSES ONLY



NOTE:
PROPOSED AGITATOR MODIFICATIONS NOT SHOWN FOR CLARITY.

DRAWING REFERENCE:
DRAWING #6 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-300 & 335-400", PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION, DATED 02/24/84.

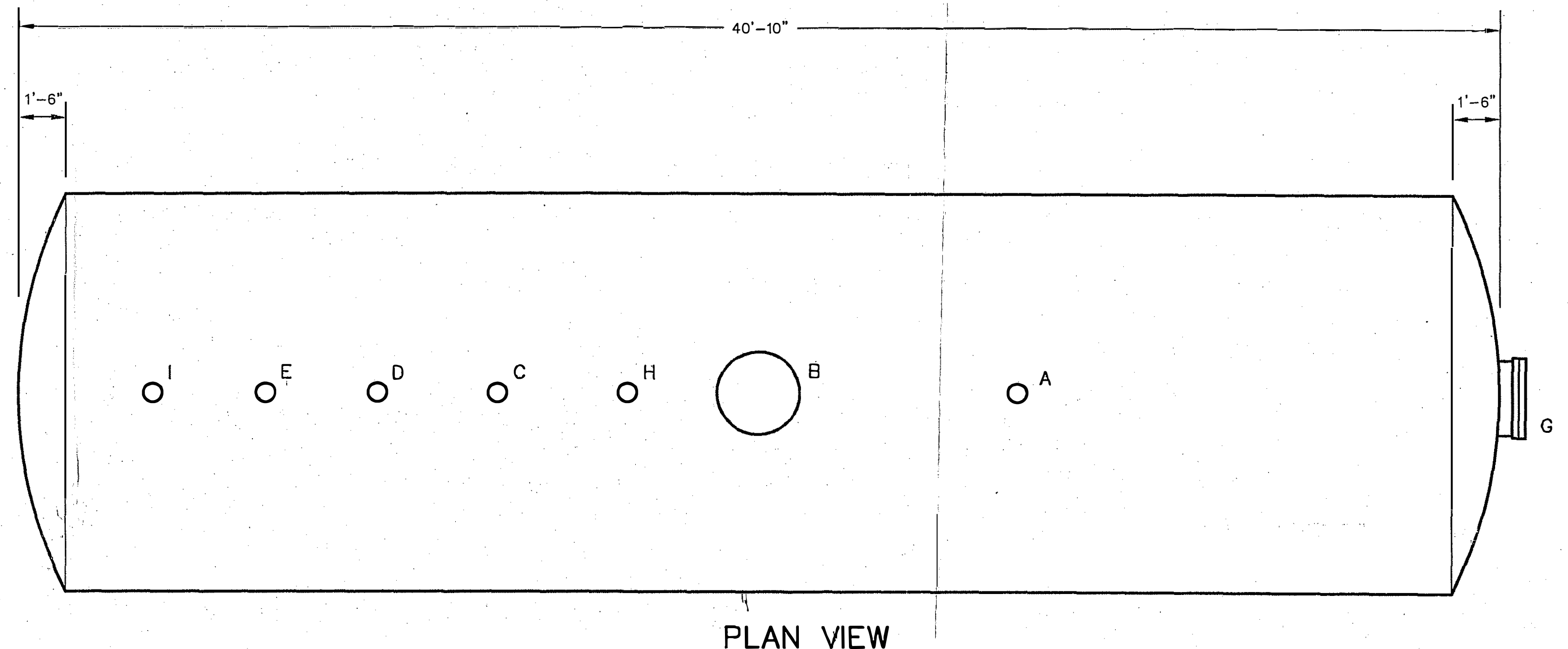
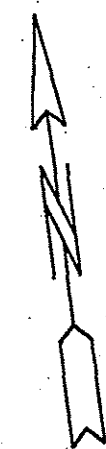
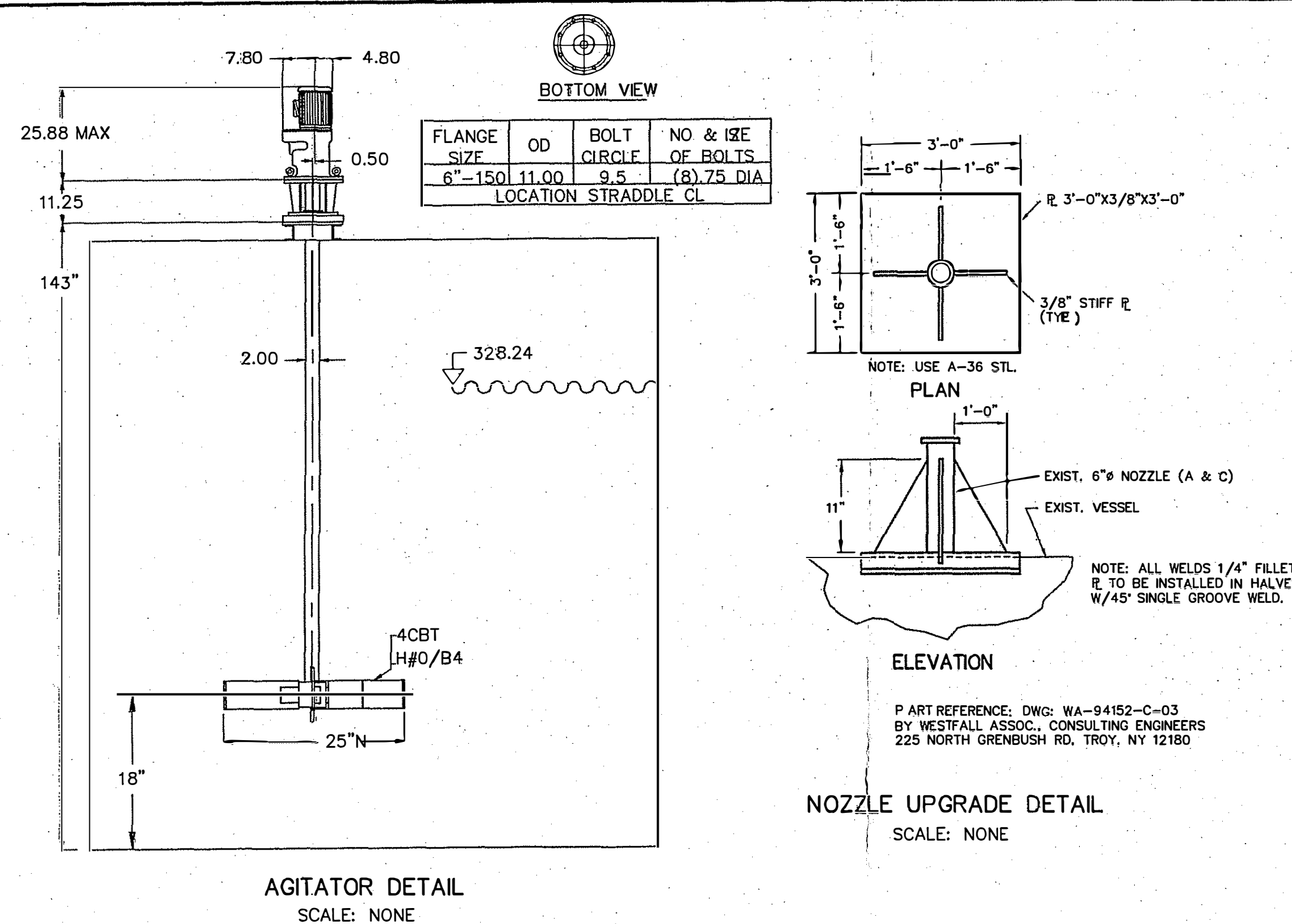
DRAWING #7 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-500 & 335-600", PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION, DATED 02/24/84.



SCALE: NONE

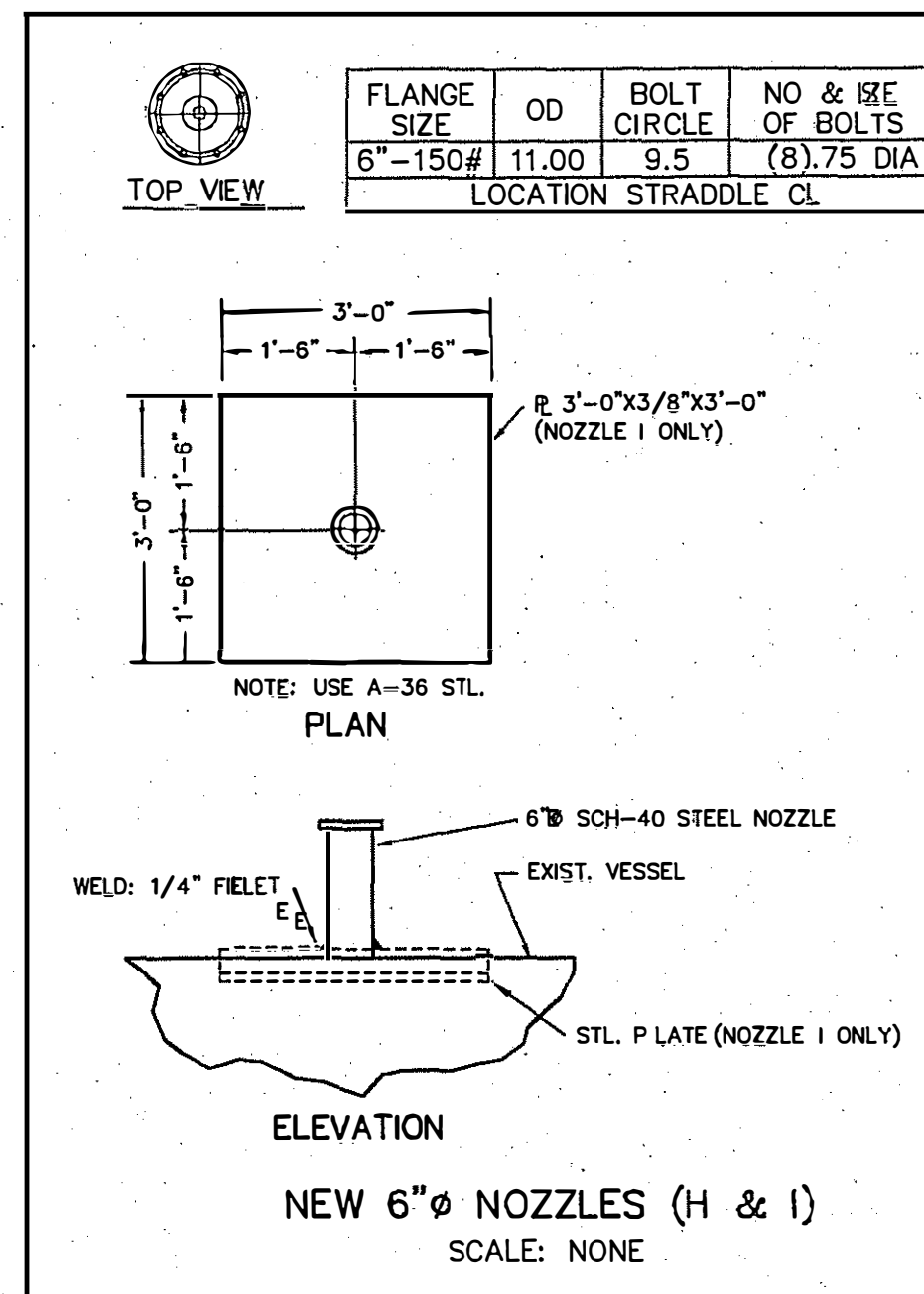
FOR PERMIT PURPOSES ONLY

CLIENT APPROVAL:		DATE:	
HARVEY M. KING, P.E. ENVIRONMENTAL ENGINEERS & SCIENTISTS 4 STORY BROOK DRIVE, BEXFORD, NEW YORK 12148-1608			
NORLITE CORPORATION - COHOES, NY SCHEMATIC PLAN VIEW LGF TANKS 335-300, 335-400, 335-500, 335-600			
4 3 2 1	UPDATED CONFIGURATION PIPING MODIFICATIONS TO TANKS PIPING MODIFICATIONS TO TANKS UPDATED CONFIGURATION	V.B. V.B. V.B. V.B.	06/08/04 05/07/04 12/12/03 7/17/03
DRAWING #6 & #7 NY003-5432-H		DATE: 04/29/02 DRAWING NO: NY003-5432-H	



FIELD VERIFICATION REQUIRED ON TANK/NOZZLE DIMENSIONS.

FUTURE NOZZLE INSTALLATION MODIFICATIONS			
ID.	DIAMETER	PROJECTION	FUNCTION
A	6"	12"	AGITATOR
B	24"	24"	LGF SUCTION/FILL LINE TEMPERATURE TRANSMITTER RECIRCULATION LINE TANK VENT
C	6"	12"	AGITATOR
D	6"	24"	RUPTURE DISK/OVERFLOW
E	6"	24"	N ₂ INLET / PRESSURE INDICATOR
F	4"	UNKNOWN	SEALED
G	UNKNOWN	UNKNOWN	INSPECTION MANHOLE (SEALED)
H	6"	24"	LEVEL TRANSMITTER
I	6"	24"	UNLOADING AREA FILL LINE / RECIRCULATION FROM KILN BURNERS



FUTURE INSTALLATION

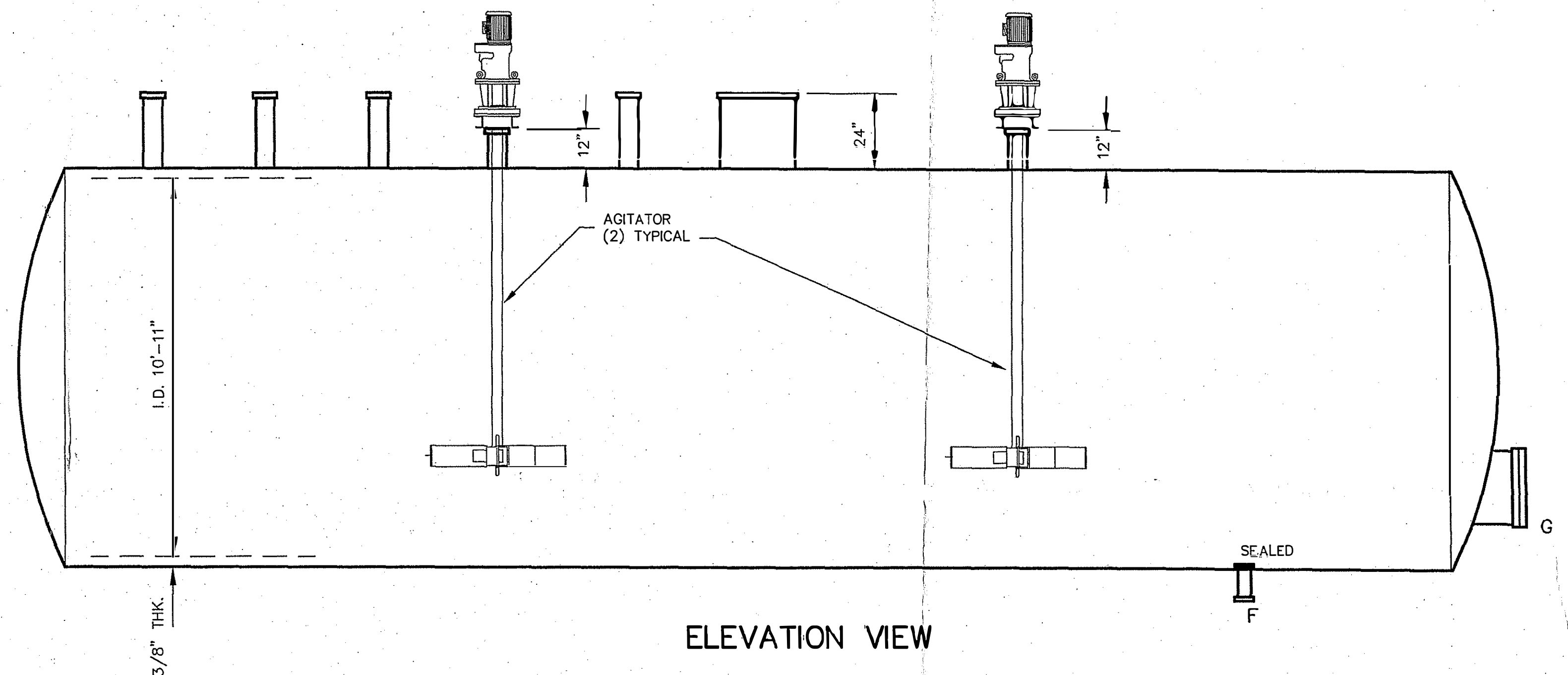
NOZZLE SCHEDULE (ORIGINAL)			
ID.	DIAMETER	PROJECTION	FUNCTION
A	6"	24"	TANK VENT
B	24"	24"	RECIRCULATION / TEMPERATURE TRANSMITTER
C	6"	24"	LEVEL TRANSMITTER
D	6"	24"	RUPTURE DISK / OVERFLOW
E	6"	24"	N ₂ INLET / PRESSURE INDICATOR
F	4"	UNKNOWN	LGF SUCTION / FILL
G	UNKNOWN	UNKNOWN	INSPECTION MANHOLE

MAXIMUM STORAGE VOLUME: 26,682 GAL.
MAXIMUM VOLUME: 27,903 GAL.

DRAWING REFERENCE:
DRAWING #6 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-300 & 335-400", PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION. DATED 02/24/84.
DRAWING #7 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-500 & 335-600", PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION. DATED 02/24/84.



SCALE: NONE



ALL DIMENSIONS SHOWN ON THIS DRAWING WERE SUPPLIED BY NORLITE CORPORATION AND REFERENCE DRAWINGS.

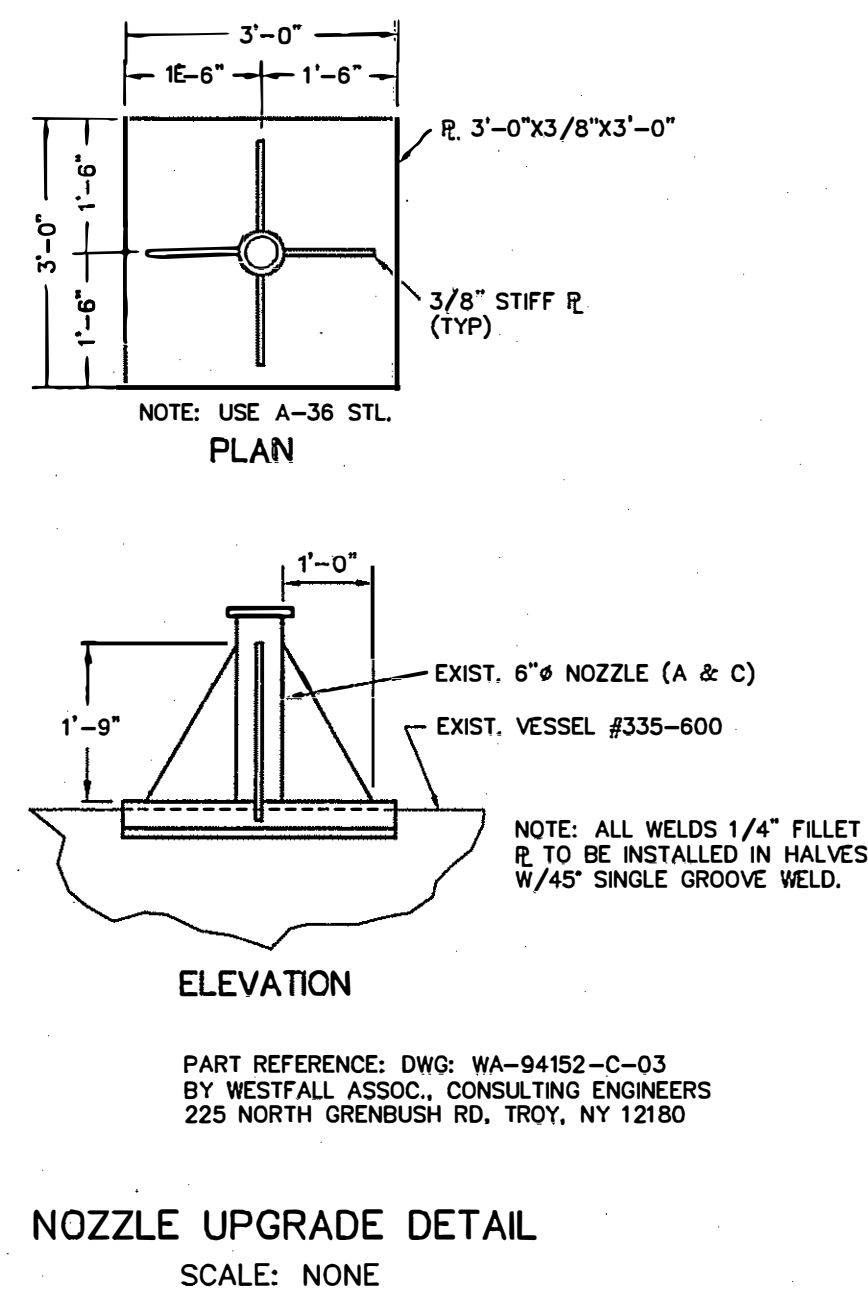
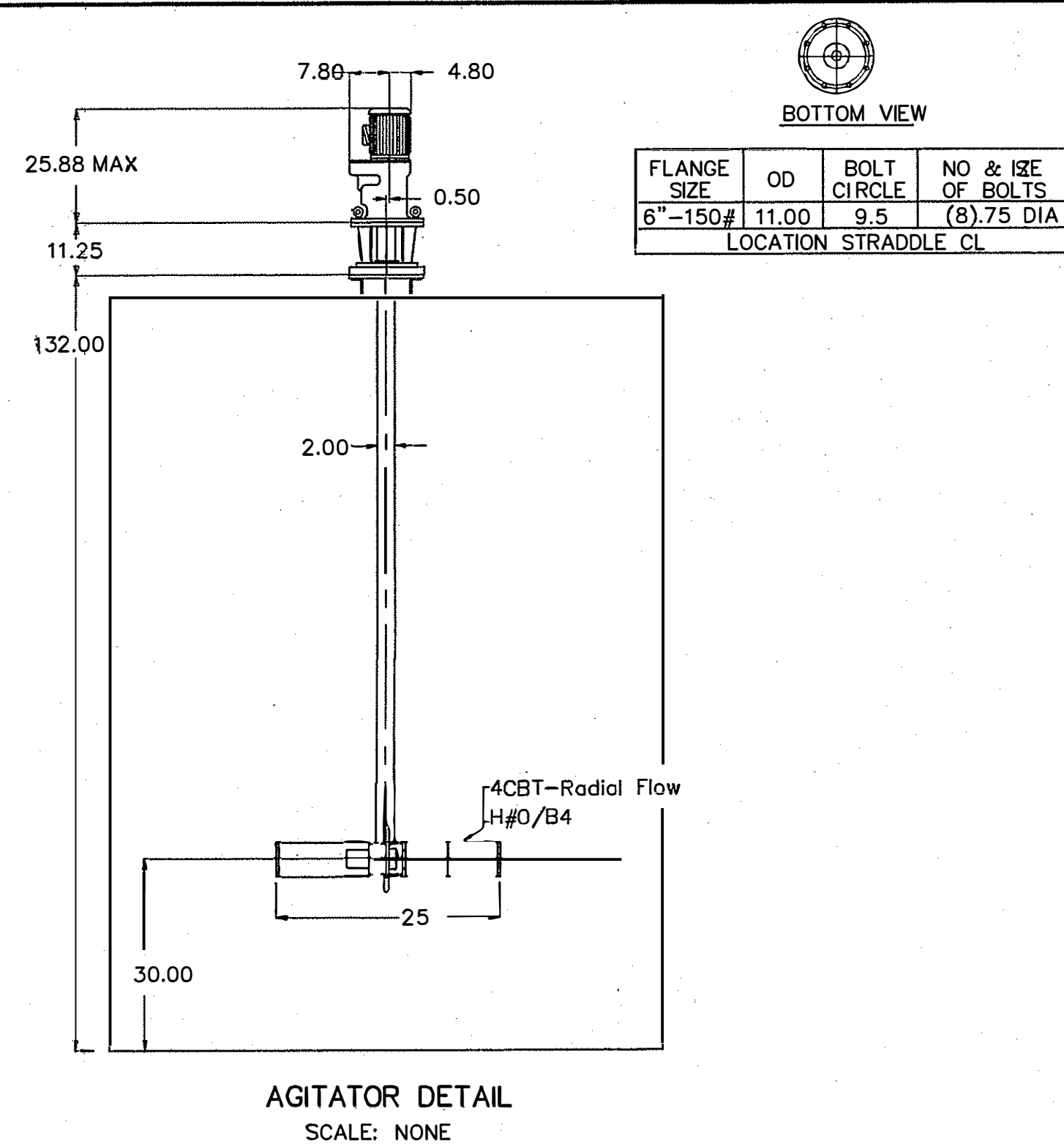
FOR PERMIT PURPOSES ONLY

CLIENT APPROVAL:  DATE: 04/29/02
HARVEY M. KING, PE
ENVIRONMENTAL ENGINEERS & SCIENTISTS
4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1008

NORLITE CORPORATION - COHOES, NY

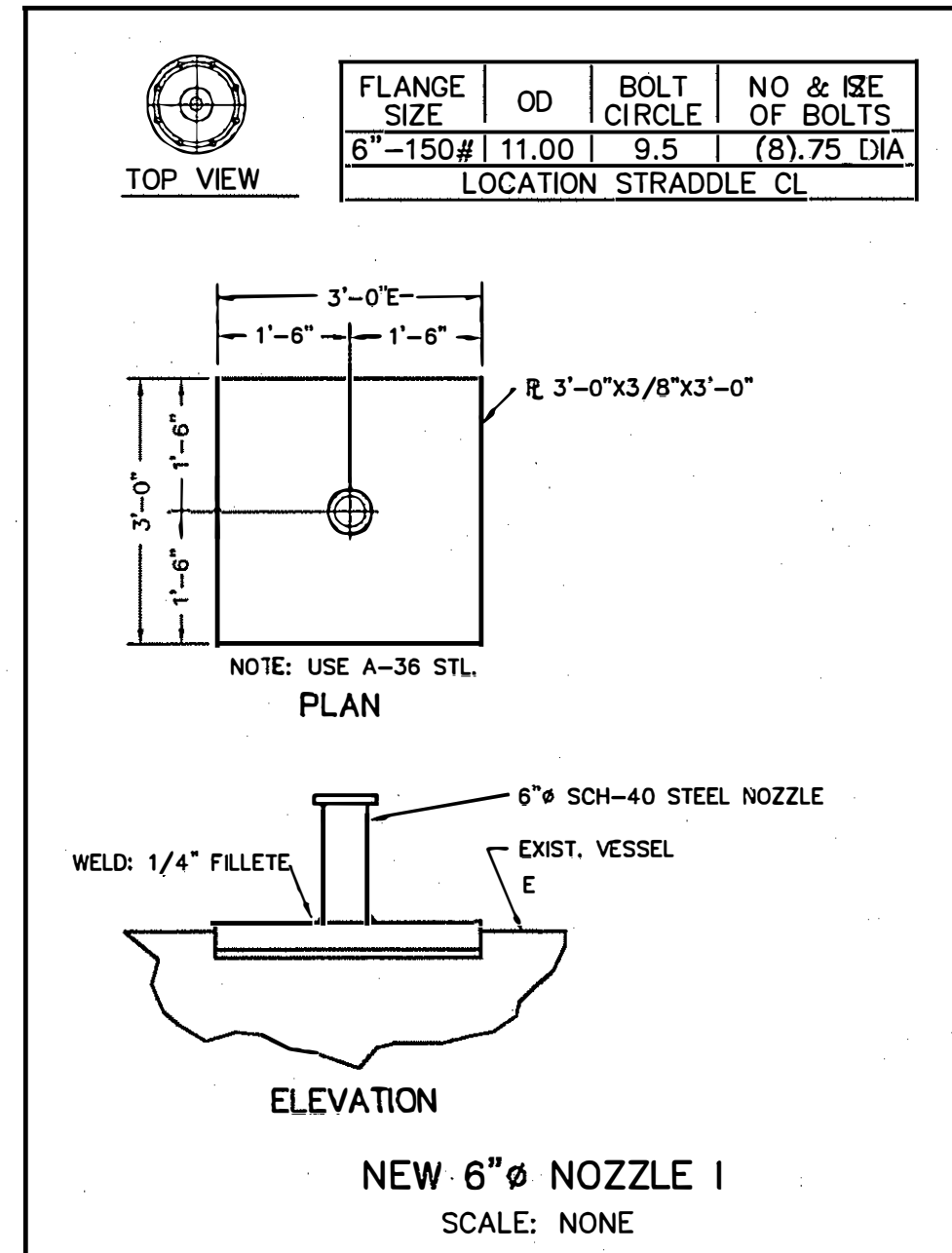
LGF TANKS
335-300, 335-400, 335-500

REV.	DESCRIPTION	DRW	PRO	CHK	DATE	DESIGN BY	DATE	FILE NAME	DRAWING NO.
5	UPDATED CONFIGURATION	T.V.B.			06/25/04				
4	UPDATED CONFIGURATION	T.V.B.			06/28/04				
3	TANK PIPING MODIFICATIONS	T.V.B.			05/07/04				
2	AGITATOR SYSTEM REVISED	T.V.B.			02/05/04				
1	UPDATED CONFIGURATION	T.V.B.			7/17/02				
						H.M.K.	04/29/02	NY003-5433	NY003-5433



FIELD VERIFICATION REQUIRED ON TANK/NOZZLE DIMENSIONS.

FUTURE NOZZLE INSTALLATION MODIFICATIONS			
ID.	DIAMETER	PROJECTION	FUNCTION
A	6"	24"	AGITATOR
B	24"	24"	LGF SUCTION/FILL LINE TEMPERATURE TRANSMITTER RECIRCULATION LINE TANK VENT
C	6"	24"	AGITATOR
D	6"	24"	RUPTURE DISK/OVERFLOW
E	6"	24"	N ₂ INLET / PRESSURE INDICATOR
F	4"	UNKNOWN	SEALED
G	UNKNOWN	UNKNOWN	INSPECTION MANHOLE (SEALED)
H	6"	24"	LEVEL TRANSMITTER
I	6"	24"	UNLOADING AREA FILL LINE / RECIRCULATION FROM KILN BURNERS

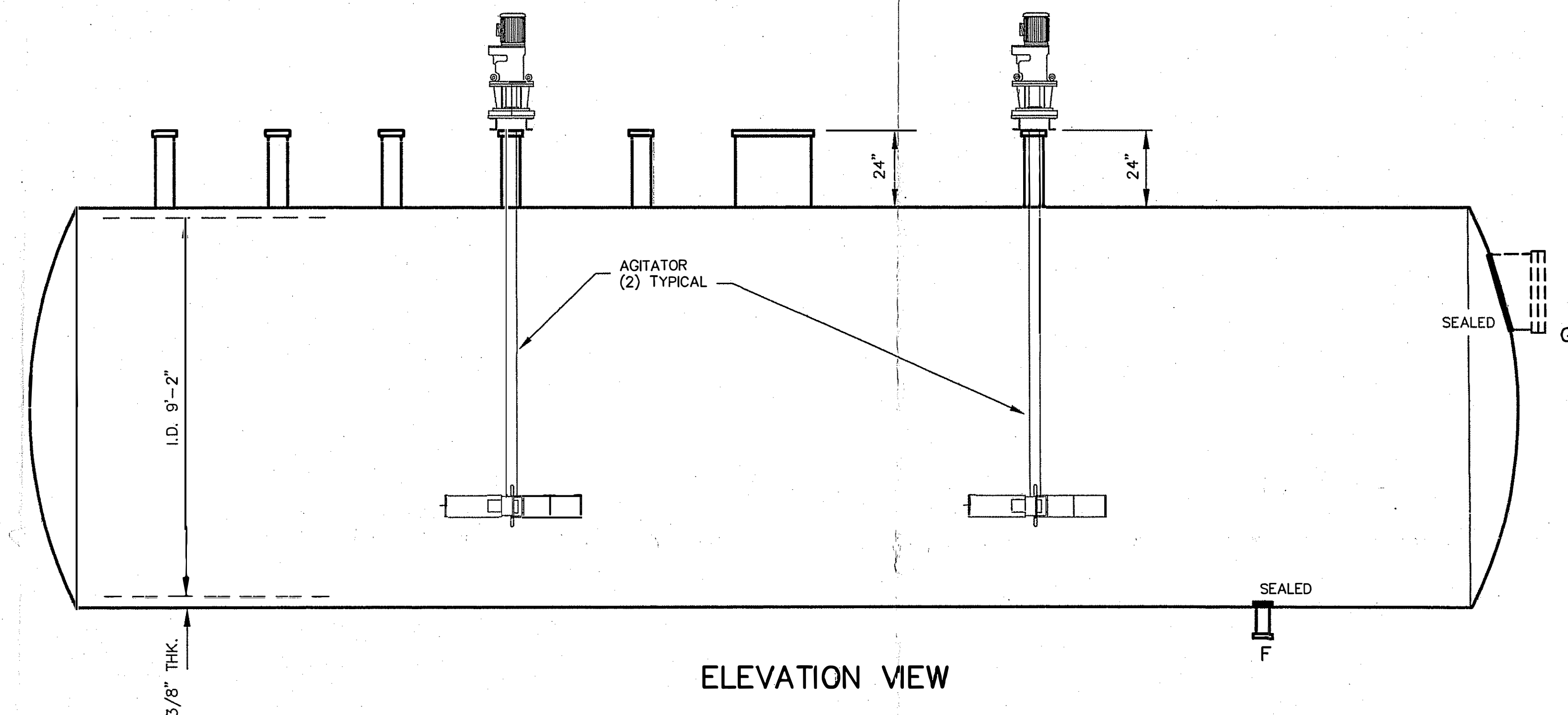
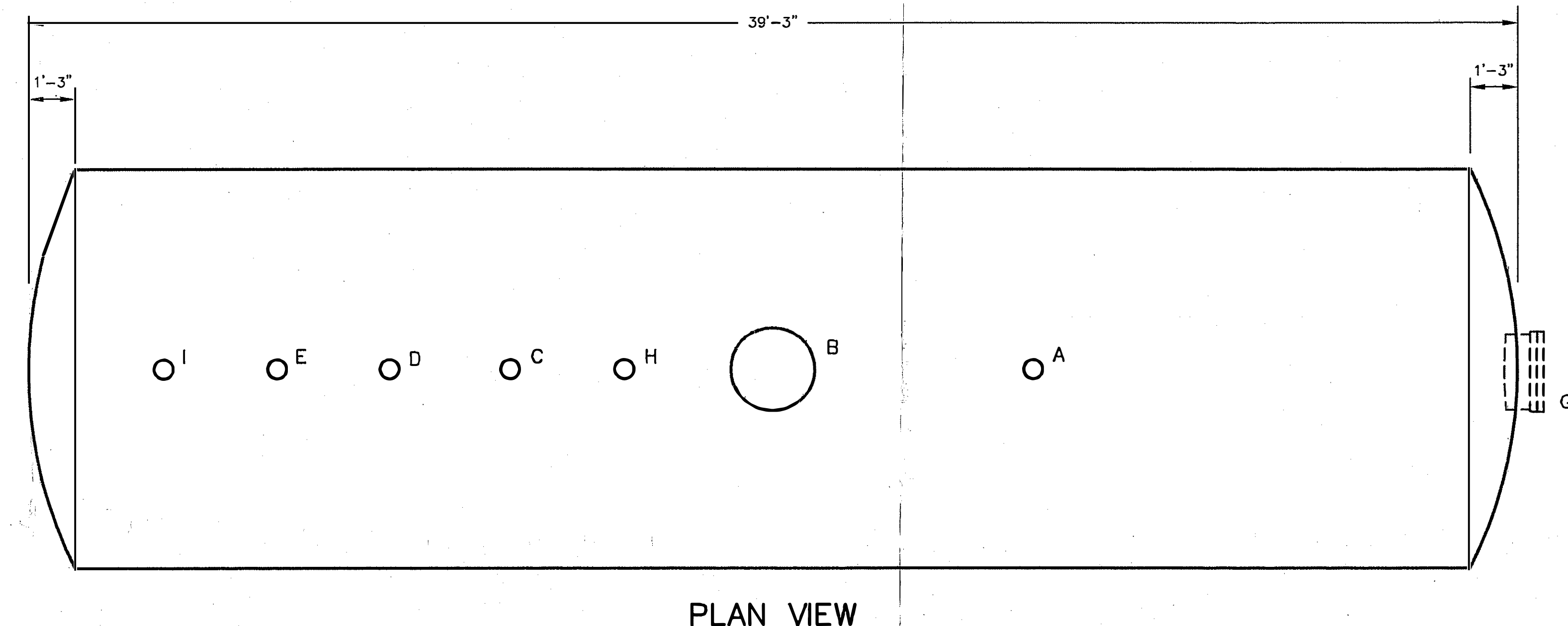


FUTURE INSTALLATION

NOZZLE SCHEDULE (ORIGINAL)			
ID.	DIAMETER	PROJECTION	FUNCTION
A	6"	24"	TANK VENT
B	24"	24"	RECIRCULATION / TEMPERATURE TRANSMITTER
C	6"	24"	LEVEL TRANSMITTER
D	6"	24"	RUPTURE DISK / OVERFLOW
E	6"	24"	N ₂ INLET / PRESSURE INDICATOR
F	4"	UNKNOWN	LGF SUCTION/FILL
G	UNKNOWN	UNKNOWN	INSPECTION MANHOLE

MAXIMUM STORAGE VOLUME: 17,974 GAL.
MAXIMUM VOLUME: 18,940 GAL.

DRAWING REFERENCE:
DRAWING #7 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS
335-500 & 335-600". PREPARED BY STETSON-DALE, PC FOR NORLITE
CORPORATION. DATED 02/24/84.



SCALE: NONE

FOR PERMIT PURPOSES ONLY

CLIENT APPROVAL:		DATE:	
HARVEY M. KING, P.E.		04/29/02	
ENVIRONMENTAL ENGINEERS & SCIENTISTS		FILE NAME: NY003-5434-1	
4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1808		DRAWING/FILE REF: HMK-335-600-07	
NORLITE CORPORATION - COHOES, NY		DRAWING NO. NY003-5434	
LGF TANK		335-600	
REV	DESCRIPTION	DATE	BY
6	UPDATED CONFIGURATION	06/08/04	T.V.B.
5	NOZZLE I ADDED	05/07/04	T.V.B.
4	NOZZLE H ADDED	05/03/04	T.V.B.
3	AGITATOR SYSTEM REVISED	02/05/04	T.V.B.
2	PIPING MODIFICATIONS TO TANK 600	12/12/03	T.V.B.
1	UPDATED CONFIGURATION	7/17/02	T.V.B.
ENGINEER:	H.M.K.	DATE:	04/29/02
FILE NAME:	NY003-5434-1	DRAWING NO.:	NY003-5434

ALL DIMENSIONS SHOWN ON THIS DRAWING WERE SUPPLIED BY
NORLITE CORPORATION AND REFERENCE DRAWINGS.