

# AMERICAN CRYSTAL SUGAR COMPANY



September 8, 1986

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

U.S. Nuclear Regulatory Commission  
Region III  
Material Licensing Section  
799 Roosevelt Road  
Glen Ellyn, IL 60137

RE: Amendment Request - License No. 22-20017-01  
Control No. 79773

The Materials License No. 22-20017-01, issued to our East Grands Forks, MN, facility, is currently in the process of renewal as referenced by the Control No. 79773.

First, we request an amendment to the license to allow for the acquisition of two (2) Texas Nuclear Model 5030 source heads containing 100 millicuries of Cs-137 in Texas Nuclear Model 696894 capsule not currently covered by our Radioactive Materials License. All other conditions of licensure will remain the same.

Second, following the simplified procedures set up to eliminate multiple amendments and payment of fees by licensees, we request the following amendment be added to our license, which will allow us to be able to receive any device distributed by Texas Nuclear containing Cs-137 in any quantity without having to amend our license each time.

\*\*\*\*\*

Cs-137

Sealed Sources

For possession and use in Texas Nuclear devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the Nuclear Regulatory Commission or an Agreement State.

All other conditions of licensure will remain the same.

\*\*\*\*\*

Log  
Refitter  
Check No. 402313 \$407  
Amount  
Fee Category  
Type of Fee  
Date Check Rec'd.  
Date Completed  
By:

8702040716 860922  
REG3 LIC30  
22-20017-01 PDR

CONTROL NO. 82080



101 NORTH THIRD STREET • MOORHEAD, MINNESOTA 56560-1990 • (218) 236-4400

86 SEP 12 19:13  
RECEIVED  
\$3017652

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REGION III

SEP 10 1986

Additional items included:

Attachment No. 1A to 1B - Location Sketches.

Presents the location sketches and operator/maintenance exposure for the two (2) sources addressed in this amendment.

Attachment No. 2 - Amendment Fee.

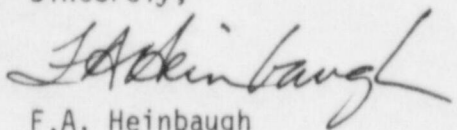
The scheduled fee of \$60.00, in accordance with 10 CFR 170.31 (3)(P), is attached per our check no. 402313.

This application is submitted in duplicate.

Questions regarding this application should be referred to:

F.A. Heinbaugh, Manager Environmental Control  
American Crystal Sugar Company  
101 North 3rd Street  
Moorhead, MN 56560  
Telephone: (218) 236-4384

Sincerely,

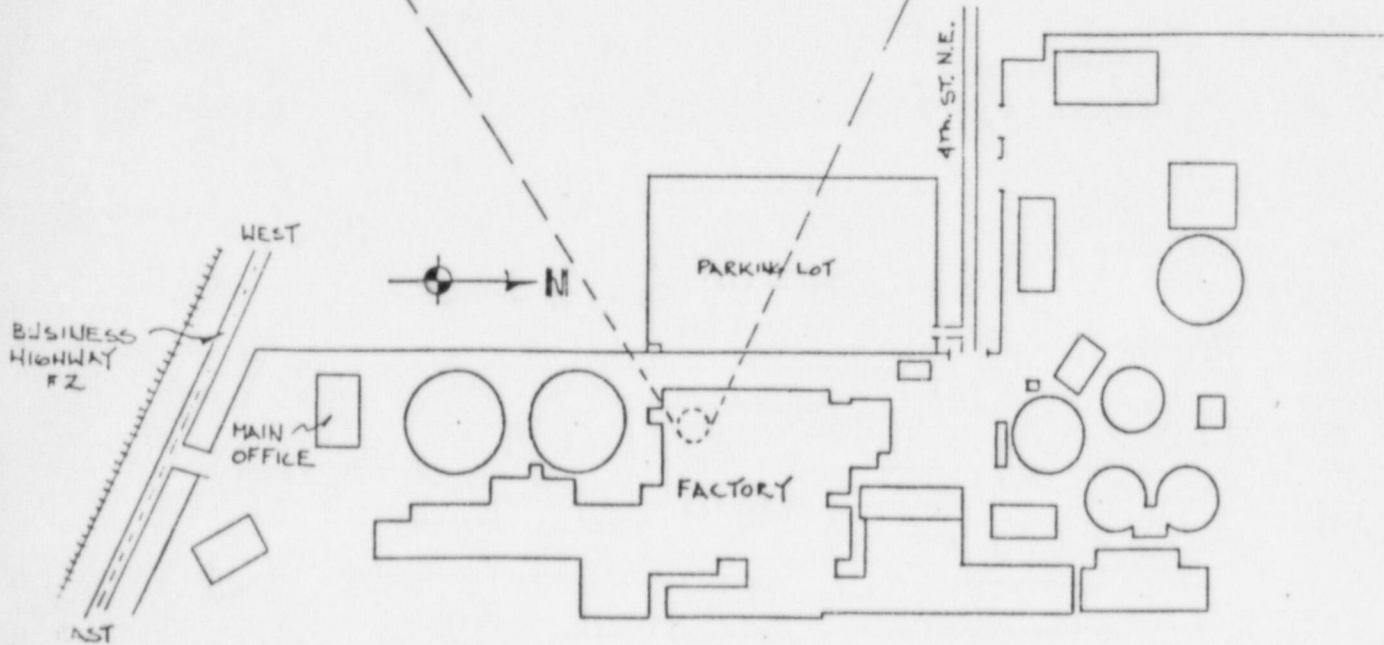
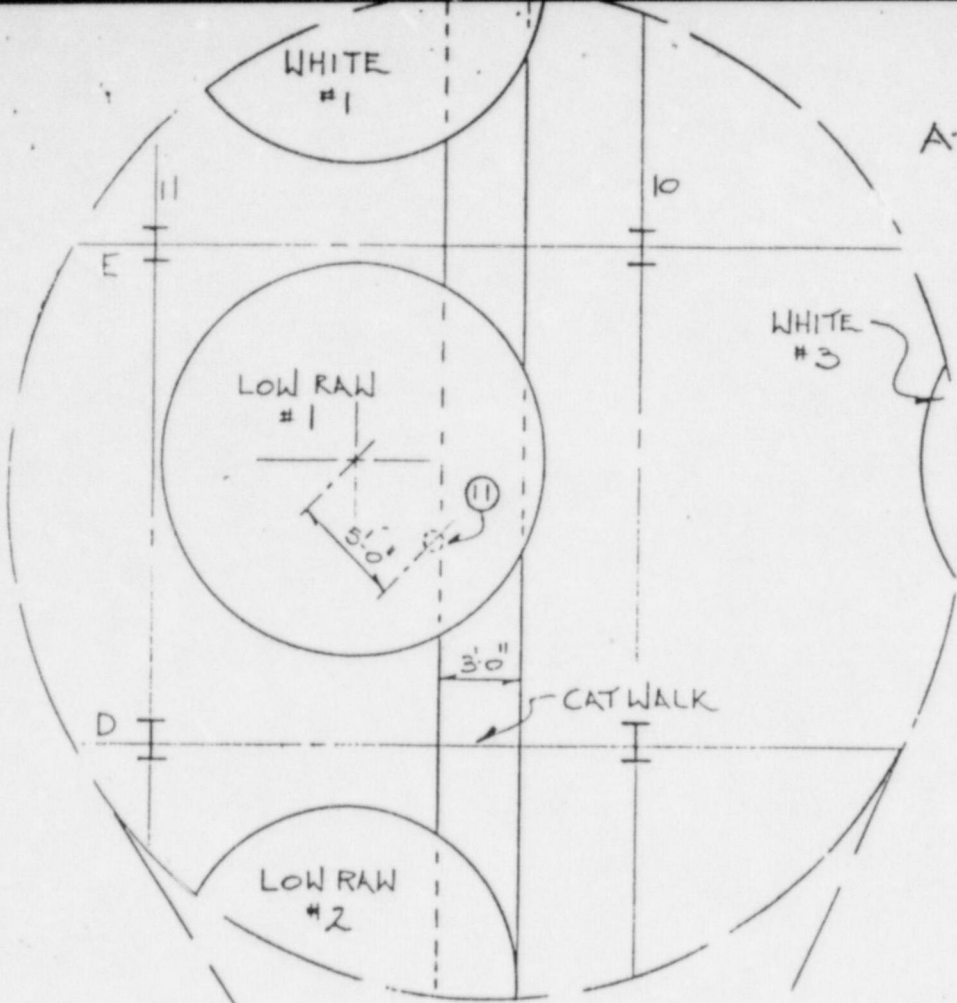


F.A. Heinbaugh  
Manager Environmental Control

FAH/alc

Enclosure

cc: M.F. Richardson  
W.W. Barr  
A. Spurgash  
H.A. Ueland  
R.L. England (w/encl.)  
K.A. Hegge (w/encl.)  
W.D. Ransdell  
D.B. Moen  
M. Bruggeman (w/encl.)  
Doris C. Bryan, Texas Nuclear Corp.

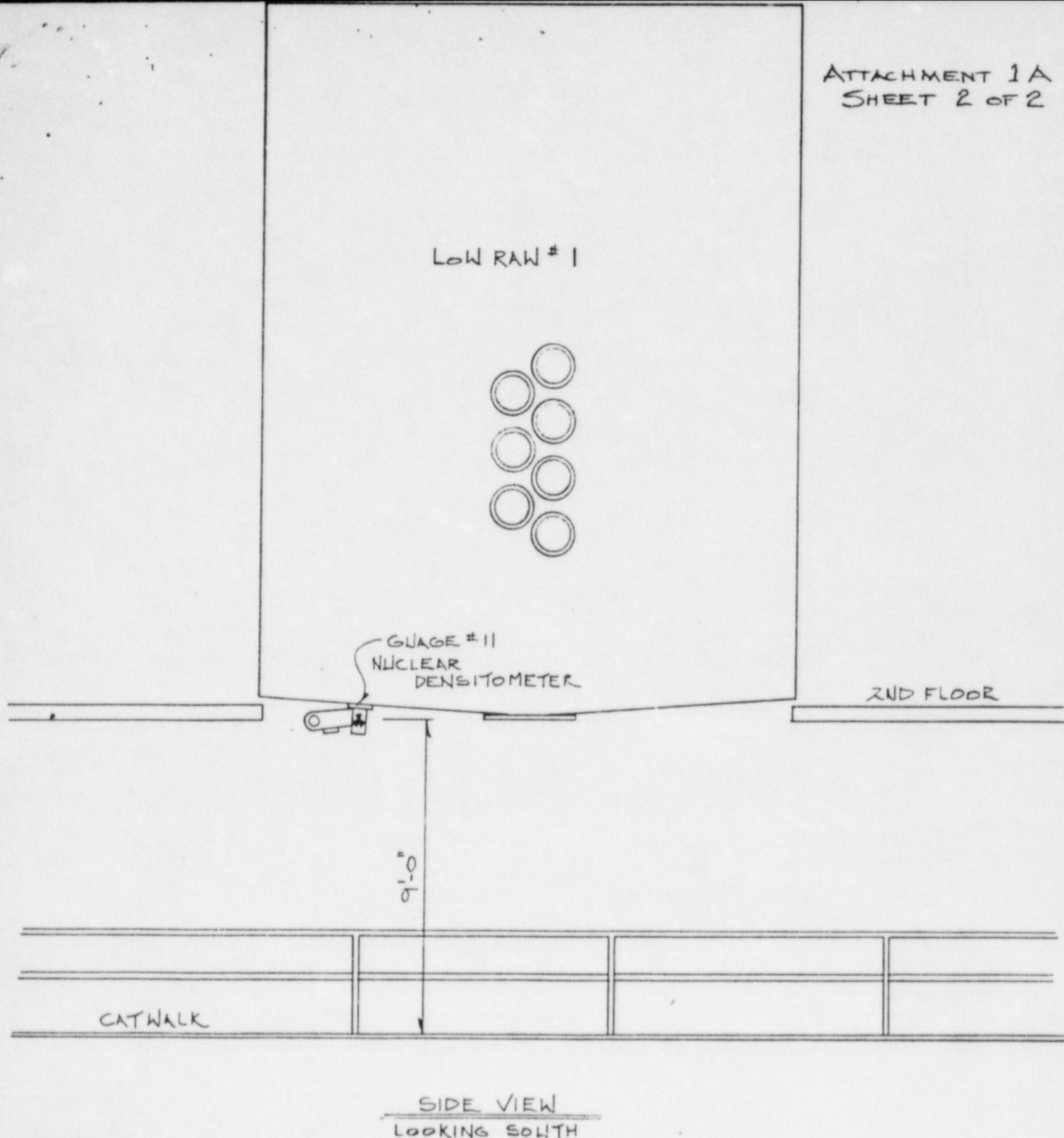


NUCLEAR GAUGE	DESCRIPTION
⑪	DENSITY GAUGE TN MODEL 5030

1 Operator - no exposure  
Maintenance - 15 min. per 6 months  
Inter-Campaign - 15 min. per 6 mo.

NUCLEAR DENSITY EQUIP. LOW RAW #1 PAN		AMERICAN CRYSTAL SUGAR CO. MOORHEAD, MINNESOTA	
FACTORY EAST GRAND FORKS, MN		NO SCALE	DATE: SEPT 3, 1986
		DRAWN BY: ENGET	DWG. NO. B126 E CZ/1





NUCLEAR DENSITY EQUIP.  
LOW RAW #1 PAN

FACTORY EAST GRAND FORKS, MN

AMERICAN CRYSTAL SUGAR CO.  
MOORHEAD, MINNESOTA

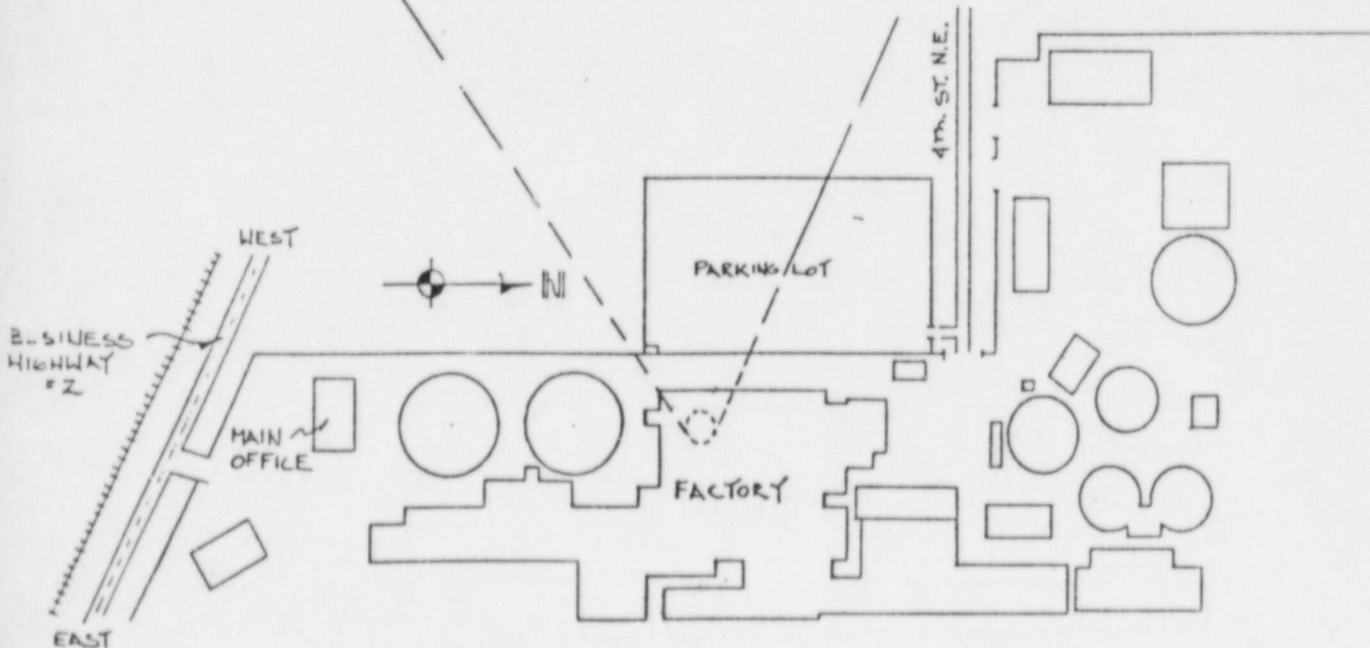
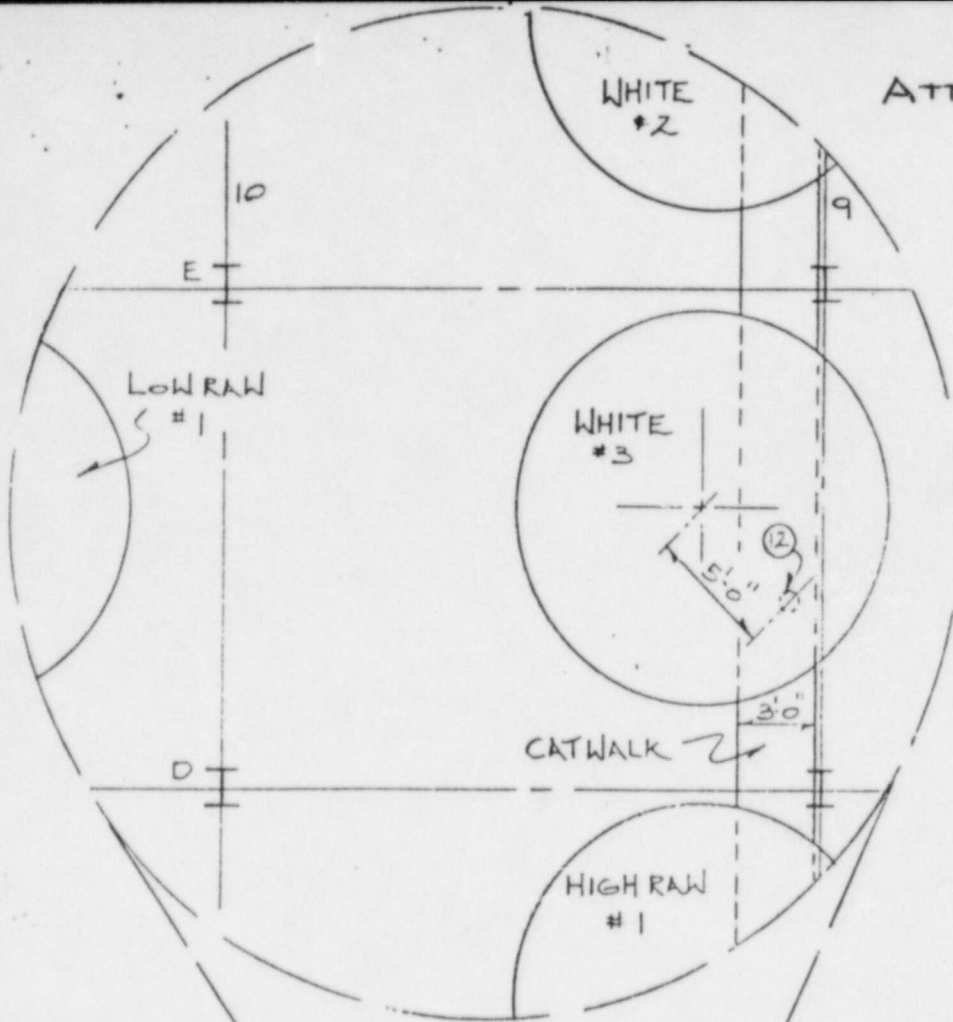
NO SCALE

DRAWN BY:  
ENGET

DATE: SEPT. 3, 1986

DWG. NO.

B126 E C 2/2



NUCLEAR GAUGE	DESCRIPTION	
(12)	DENSITY GAUGE TM MODEL 5030	1 Operator - no exposure Maintenance - 15 min. per 6 months Inter-Campaign - 15 min. per 6 mo.
CONTROL NO. 02060		

NUCLEAR DENSITY EQUIP. WHITE #3 PAN		AMERICAN CRYSTAL SUGAR CO. MOORHEAD, MINNESOTA	
FACTORY EAST GRAND FORKS, MN		NO SCALE	DATE: SEPT 3, 1986
		DRAWN BY: ENGET	DWG. NO. B126 E C3/1

WHITE #3



GUAGE #12  
NUCLEAR  
DENSITOMETER

2ND FLOOR

9'-0"

CATWALK

SIDE VIEW  
Looking North

CONTROL NO. 82080

NUCLEAR DENSITY EQUIP.  
WHITE #3 PAN

FACTORY EAST GRAND FORKS, MN

AMERICAN CRYSTAL SUGAR CO.  
MOORHEAD, MINNESOTA

NO SCALE

DRAWN BY:  
ENGET

DATE: SEPT. 3, 1986

DWG. NO.  
B126 E. C 3/2