

INTEROFFICE COMMUNICATION

Westlake, Louisiana
January 7, 1971

TO: R. D. Gamblin
SUBJECT: Quench Column Valve Actuators

This memo describes the operation of the automated block valves in the two quench column inlet lines and in the common quench line.

One of the Bettis operators from the quench column inlet lines should be repaired and installed on the 8" block valve in the common quench line. This operator must be modified to be operated from an air signal.

Two additional new 14" gate valves will be installed on the quench column inlet lines and will be provided with pneumatic valve actuators (PANTEX model G-14UL14). The existing 14" gate valves will be manually operated so that the column may be blocked in manually in case of valve operator failure.

These three valves can be independently closed from manual air switches located in the control room, at the east end of Block II, and on the quench column. Control air cylinders are placed at the two control stations and motive air cylinders are placed at each of the valves so that their operation is independent of the plant air and electrical systems. These valves can only be opened from the quench column.

Attached is a schematic drawing showing the necessary instrument leads.

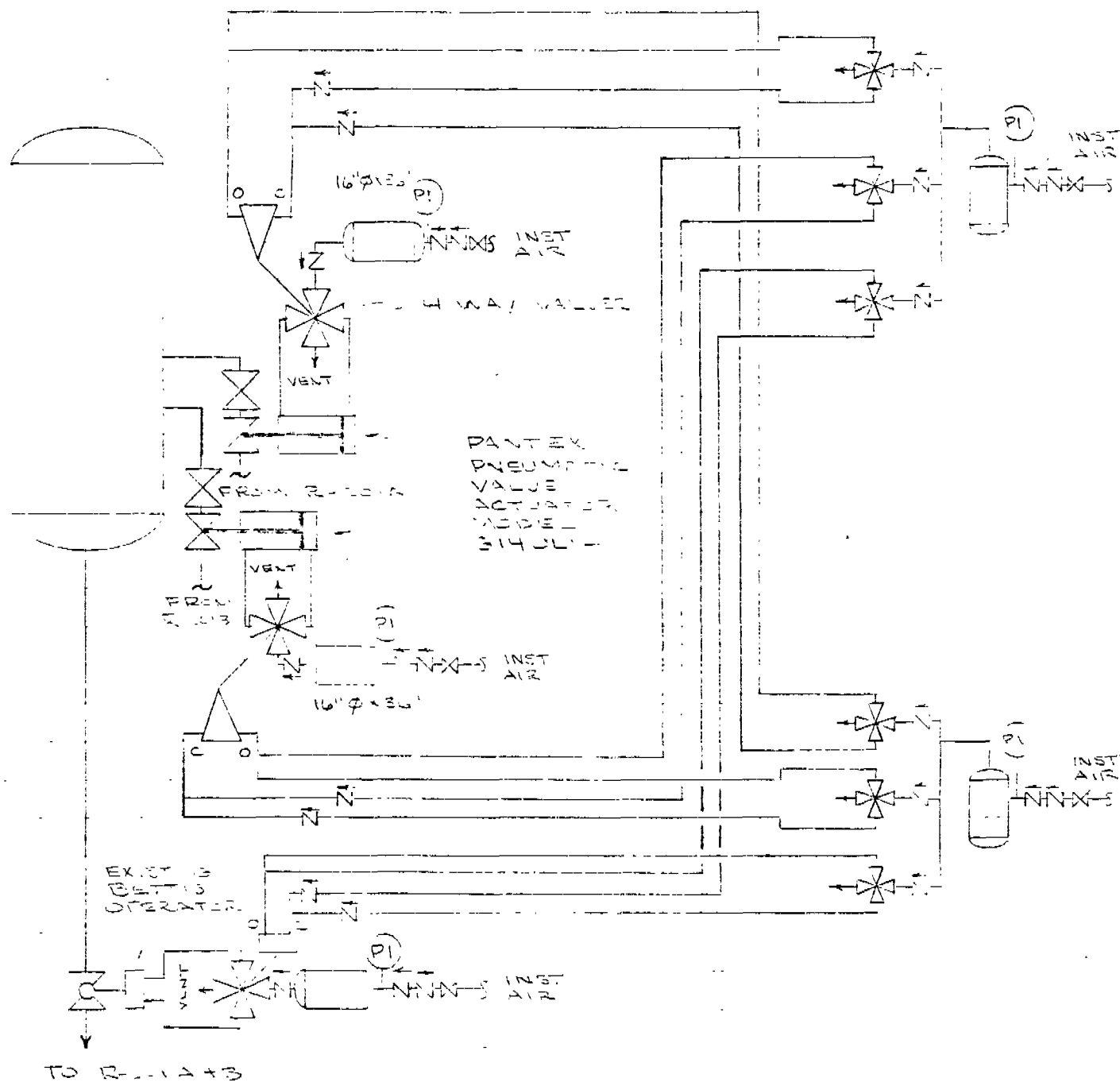
Since the delivery of these actuators requires at least 12 weeks, I recommend placing them on order immediately.

RW Churns

R. W. Churns

RWC-MC
cc: LNV-DKP-RHG-JDB-JRH-RLH
CLB-DGD-HOA-JDM-FFW-RWE-LRB
each w/attachment

C-301
 QUENCH
 COLUMN



RWC

1-6-7

QUENCH COLUMN
 VALVE ACTUATOR

CCR 000007888

from

J. D. MINOTT

To

Colin Branch January 9, 1971

- 1). The 2" fuel gas line from the R-201 furnace fuel gas system to the lab bldg is obsolete and should not be reconnected.
- 2). The 2" Light ends return line from the Light ends pump (P-402) to the caustic wash tank (T-102) should be reconnected, but is not required for Block I startup.
- 3). The 3" Low pressure condensate line (alongside the control room East Wall) should be reconnected, but is not required for Block I startup.

J D Minott

To:

Mr. John Minott Proj. Engr.
 Const. Oil V.C.M.
 P.O. Box 37
 Westlake, La. 70669

Jam sbury C rp rati n

640 LINCOLN STREET
 WORCESTER, MASS. 01605

JECT

DATE

Reply Message

Request for price & delivery
 MESSAGE

1-7-71

14" - #8226 Jamesbury wafers sphere all metal butterfly
 Value of metal seat. Long type. Net ea. 3300.00
 14" - "Nitto" all alloy 20" 4 metal seat Net ea. 2400.00
 #880 m/s Jamesbury full safe pneumatic operator for above value. Net ea. 1080.00

Approx Values Ethyl Nic Chlorthane service, 180 psi at 490°F.
 EDC 100° - 200 psi 150 cc to 500 cc
 Approx 50-50% gas & liquid. Bad working conditions.

REPLY

DATE OF REPLY

REPLY TO

also

3-4" @ 3150 F 3250 F Jamesbury carbon steel ball valve, 150# ASA, flanges &
 dimensions, Teflon seats & stem of 175 m/s full safe pneumatic
 operators. Net ea. 534.65

Delivery 14" - 2 days request
 4" - 3 weeks.

SIGNED

Yours Very Truly
 Charles Kelly

SEND WHITE AND PINK COPIES WITH CARBONS INTACT. PINK COPY IS RETURNED WITH REPLY.

CCR 000007890

DETAILS AND FILE FOR FOLLOW-UP