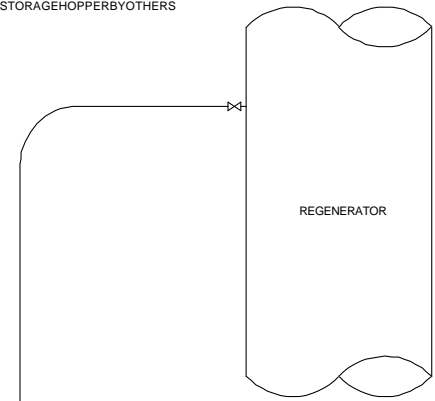


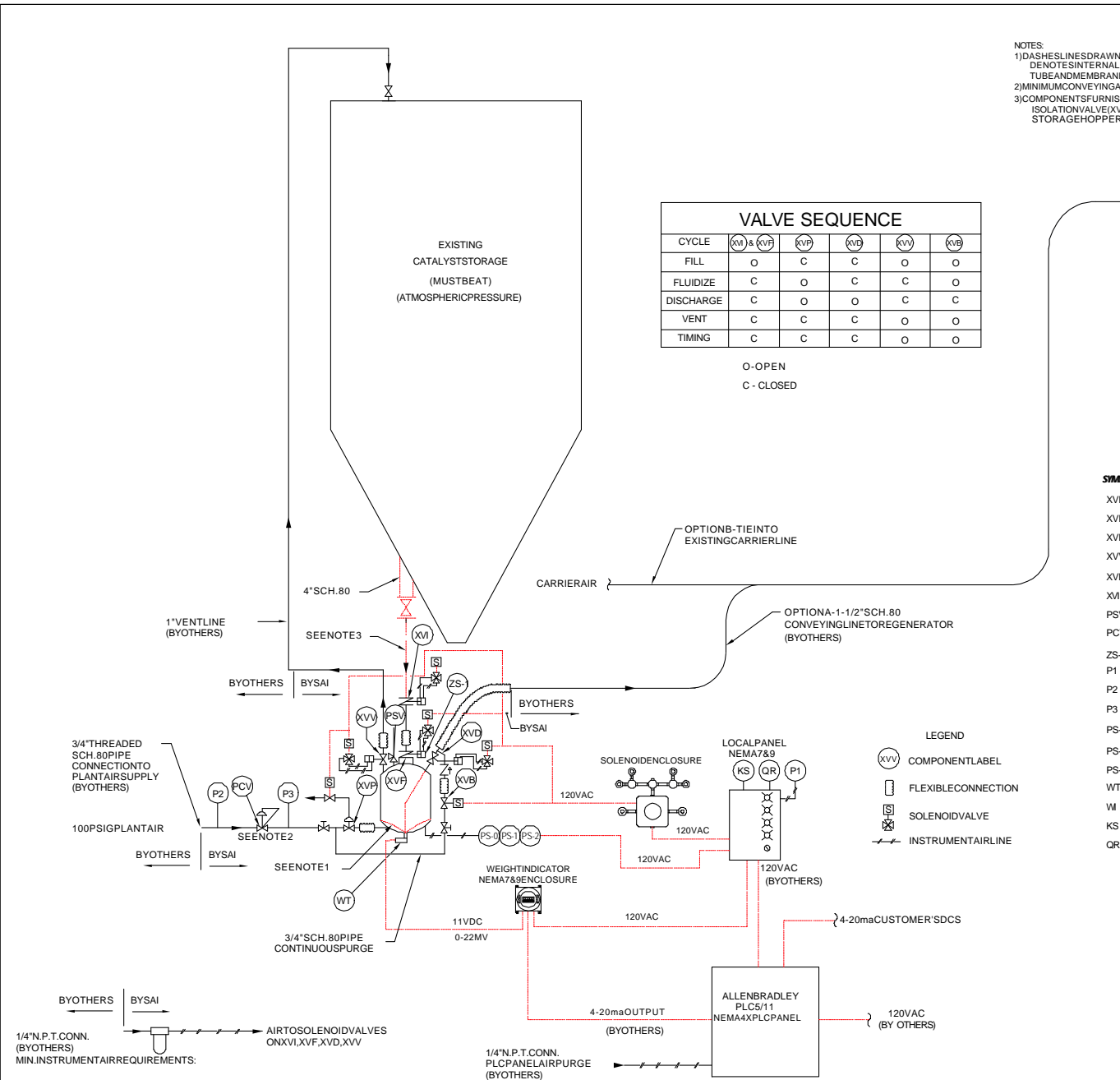
NOTES:
 1) DASHES LINES DRAWN INSIDE VESSEL DENOTES INTERNAL 1-1/2" SCH. 80 DIP TUBE AND MEMBRANE LOCATION
 2) MINIMUM CONVEYING AIR REQUIREMENTS:
 3) COMPONENTS FURNISHED FROM ISOLATION VALVE (XVI) TO CATALYST STORAGE HOPPER BY OTHERS

CYCLE	(XVI) & (XVF)	(XVP)	(XVD)	(XVV)	(XVB)
FILL	O	C	C	O	O
FLUIDIZE	C	O	C	C	O
DISCHARGE	C	O	O	C	C
VENT	C	C	C	O	O
TIMING	C	C	C	O	O

O - OPEN
 C - CLOSED

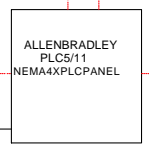


SYMBOL	DESCRIPTION
XVF	FILL VALVE - BUTTERFLY
XVP	FLUIDIZE VALVE - DIAPHRAGM
XVD	DISCHARGE VALVE - WEIR
XVV	VENT VALVE - WEIR
XVB	CONTINUOUS PURGE - SOLENOID
XVI	ISOLATION VALVE - BUTTERFLY
PSV	PRESSURE RELIEF VALVE
PCV	PRESSURE CONTROL VALVE
ZS-1	FILL VALVE LIMIT SWITCH
P1	PUMP PRESSURE
P2	PLANT AIR PRESSURE
P3	REDUCED PLANT AIR PRESSURE
PS-0	FILL PRESSURE SWITCH
PS-1	VENT PRESSURE SWITCH
PS-2	DISCHARGE PRESSURE SWITCH
WT	ELECTRONIC LOAD CELL
W	WEIGHT INDICATOR
KS	SIGNAL TIMER 0-60 MINS.
QR	BATCH COUNTER



LEGEND

(XVV)	COMPONENT LABEL
[]	FLEXIBLE CONNECTION
[S]	SOLENOID VALVE
---	INSTRUMENT AIR LINE



SolidsAire, INC. HOUSTON, TEXAS

THIS DRAWING IS SENT TO YOU SUBJECT TO RETURN UPON DEMAND, AND WITH THE UNDERSTANDING THAT IT IS NOT TO BE REPRODUCED, COPIED, OR USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTEREST.

TITLE/DESCRIPTION:
fluidflo® AUTOMATIC PUMP
 MODEL 1.5-3-150-1.5CA-7
 AUTOMATIC CATALYST ADDITION UNIT
 P&ID DIAGRAM

CUSTOMER						SHT. NO.	
P.O. NO.						1	
DWG. BY		DATE		JOB NO.		EQUIPMENT CODE	
SCALE		NTS		DWG. NO.		1	
NO.	DATE	REVISION	CHKD BY	DATE	APPRD BY	DATE	TAGNO.