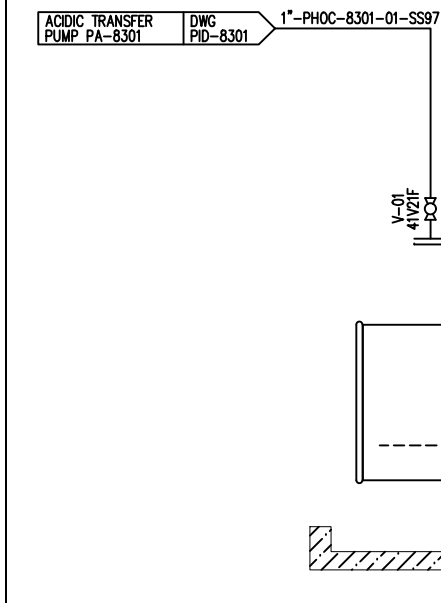


PM-8101  
CONC. PHOSPHORIC ACID  
METERING PUMP  
6 GPM @ 32' TDH  
1/6 HP

TS-8101  
PHOSPHORIC ACID  
MIX TANK  
4'-3"DIA X 6'-9"  
800 GAL  
316L SS

AG-8101  
PHOSPHORIC ACID  
MIX TANK AGITATOR  
0.33 HP

PA-8102  
PHOSPHORIC ACID  
TRANSFER PUMP  
6 GPM @ 24' TDH



THE DESIGN IS BASED ON THE EQUIPMENT DATA SHEETS AND SPECIFICATIONS PROVIDED. DESIGN LAYOUTS WERE DEVELOPED USING THE DATA SHEETS, HORSEPOWER AND DIMENSIONAL INFORMATION OBTAINED FROM VENDOR PRELIMINARY INFORMATION AND/OR CATALOGS.

UPON FINAL EQUIPMENT SELECTION AND PURCHASE THE CERTIFIED DIMENSIONAL INFORMATION MUST BE VERIFIED BY THE CONTRACTOR, AND ANY IDENTIFIED DEVIATIONS FROM THE EQUIPMENT DATA SHEETS OR SPECIFICATIONS SHALL BE BROUGHT TO THE OWNER'S ENGINEER FOR RESOLUTION.

THE OWNER'S ENGINEER MUST APPROVE ALL DEVIATIONS FROM THE EQUIPMENT DATA SHEETS AND SPECIFICATIONS PROVIDED.

- 1 MANUAL VALVE PREFIX THIS SHEET IS 8101.
- 2 FIELD TAG = 8101-V-##.
- 3 HIGHEST MANUAL VALVE NUMBER IS 19.

**Ford, Bacon & Davis**  
A Limited Liability Company  
7825 PARK PLACE BLVD.  
HOUSTON, TX 77087  
COA No. CA-0007835

CONFIDENTIAL						<div>UF   UNIVERSITY of FLORIDA</div> <div>1 BUCKEYE DRIVE PERRY, FL 32348-7702</div> <div>UNIVERSITY OF FLORIDA BIOREFINERY PILOT PLANT</div>	
PROPERTY OF THE UNIVERSITY OF FLORIDA. THE FOLLOWING CONTAINS PROPRIETARY INFORMATION THAT THE UNIVERSITY REQUESTS NOT BE RELEASED TO PERSONS NOT DIRECTLY RELATED TO THE PROJECT.						<div>PROCESS &amp; INSTRUMENTATION DIAGRAM PHOSPHORIC ACID SYSTEM</div>	
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5	12/05/12	JT	TPK	DCG	ISSUED FOR RECORD	<div>PROJ: Y7275</div> <div>SCALE: NONE</div> <div>DATE: 01/13/10</div> <div>BY: SM</div>	PIL-PID-8101
4	01/06/12	JT	TPK	DCG	UPDATED AS NOTED		
3	11/18/11	JT	TPK	DCG	ADDED UNIQUE MANUAL VALVE TAGS		
2	03/29/11	CC	TPK	DCG	CHANGED FH & HC NUMBERS		
1	11/30/10	JT	TPK	DCG	UPDATED AS NOTED		
0	07/30/10	KRS	TPK	DCG	ISSUED FOR CONSTRUCTION		
REV	DATE	BY	CK	APP	DESCRIPTION		REV. 5