

PT-3205 PC-3215 PT-3212 PT-3204 PC-3216 PT-3213 PC-3214 pH ADJUSTMENT FERMENTOR C FERMENTOR B PROPAGATOR 2 PROPAGATOR 3 FERMENTOR A LIQUEFACTION JACKET PUMP 8.8 GPM @ 3' TDH 30 GPM @ 30' TDH 30 GPM @ 30' TDH 3.5 GPM @ 13' TDH 6.6 GPM @ 16' TDH 30 GPM @ 30' TDH 8.8 GPM @ 13' TDH 1/6 HP 1/6 HP 1 HP 1 HP 1/6 HP 1 HP 1/6 HP

MANUAL VALVE PREFIX THIS SHEET IS 3214.

2 FIELD TAG = 3214-V-##.

HIGHEST MANUAL VALVE NUMBER IS 50.

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.

9	THE OW	ie owner's engineer must approve all deviations from the equipment data sheets and specifications provided.								
	CONFIDENTIAL 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. THIS DRAWING IN DESIGN AND DETAIL IS THE PROPERTY OF THE UNIVERSITY AND IS PROVIDED IN STRICT CONFIDENCE WITH THE UNIDERSTANDING THAT IT WILL NOT BE USED FOR ANY PURPOSE EXCEPT FOR WHICH IT IS PROVIDED. THIS DRAWING MAY NOT BE						UNIVERSITY of FLORIDA 1 BUCKEYE DRIVE PERRY, FL 32348-7702			
	REPRODUCED WITHOUT EXPRESS WRITTEN CONSENT OF THE UNIVERSITY OF FLORIDA AND SHALL BE IMMEDIATELY RETURNED ON DEMAND.					ONSENT OF THE UNIVERSITY OF FLORIDA AND	UNIVERSITY OF FLORIDA BIOREFINERY PILOT PLANT			
		4/12/15	KFW	IUN		DELETED PROP 1 PUMP AND LINES	l bio	SIGNETINENT FIEOT FEART		
		12/05/12	5	ΤPK	DCG	ISSUED FOR RECORD	DBOCECC	& INSTRUMENTATION DIAGRAM		
	4	01/06/12	7	TPK	DCG	UPDATED AS NOTED		VESSEL JACKET PUMPS		
Ford, Bacon & Davis	3	11/18/11	5	TPK	DCG	ADDED UNIQUE MANUAL VALVE TAGS] "			
	2	03/29/11	cc	TPK	DCG	ADDED SPEC BREAKS	1			
i ora, bacon a bavis	1	11/30/10	7	TPK	DCG	UPDATED AS NOTED	PROJ: Y7275			
A Limited Liability Compony 7825 PARR PLACE BLYD. HOUSTON, TX 77087 COA No. CA-0007836	0	07/30/10	KRS	TPK	DCG	ISSUED FOR CONSTRUCTION	SCALE: NONE	PIL-PID-3214		
	REV	DATE	BY	СК	APP	DESCRIPTION	DATE: 05/27/10	PIL-PID-3214		
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