1/2"-AMX-8501-05-SS98 PREP TANK TS-2109 DWG PID-2104 AIC-2302-16 -0-0-0-0-0-0-0-0-0-AIC-2109-07 AIC-2301-16 LOCAL CONTROL PAD LOCAL CONTROL PAD LOCAL CONTROL PAD HC /sic\ HC /sic\ HC 8502-01 ML ON OFF '8502-01 0N 0FF 8501-01 START STOP 8502-01 XS START STOP 8502-01 SS10__SS98 SS10__SS98 SS10___SS98 FH-8501-03 FH-8501-02 FH-8501-05 V-04 V-05 41C10W 41V20W V−08 100 41V20W V-10 V-11 41C10W 41V20W 41C10W 41C10W **₩**IJ^\^\ſĿ **₹**17∕\\\ dl√√√te FH-8501-01 FH-8501-04 FH-8501-06 PT-8502 PT-8503 AQUEOUS AMMONIA 1/2"-AMX-8501-02-SS10 - 1/2"-AMX-8501-02-SS10 - 1/2" | MOZ | STORAGE TOTE 1/2"-AMX-8501-04-SS10-HC-8501-01 HC-8501-02 1/2"-AMX-8501-01-SS10 41V20W FH-8501-07 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. UNIVERSITY of 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. 1 BUCKEYE DRIVE PERRY, FL 32348-7702 THIS DRAWING IN DESIGN AND DETAIL IS THE PROPERTY OF THE UNIVERSITY AND IS PROVIDED IN STRICT CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE USED FOR ANY PURPOSE EXCEPT FOR WHICH IT IS PROVIDED. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT EXPRESS WRITTEN CONCENT OF THE UNIVERSITY OF FLORIDA AND SHALL BE IMMEDIATELY RETURNED ON DEMAND. UNIVERSITY OF FLORIDA BIOREFINERY PILOT PLANT 1 VENT OUTSIDE PROCESS & INSTRUMENTATION DIAGRAM AQUEOUS AMMONIA SYSTEM 2 MANUAL VALVE PREFIX THIS SHEET IS 8501. 3 12/05/12 JT TPK DCG ISSUED FOR RECORD Ford, Bacon & Davis 2 11/18/11 JT TPK DCG ADDED UNIQUE MANUAL VALVE TAGS 3 FIELD TAG = 8501-V-##. 1 11/30/10 JT TPK DCG UPDATED AS NOTED PROJ: Y7275 A Limited Liability Company 7825 PARK PLACE BLVD. HOUSTON, TX 77087 COA No. CA-0007835 0 07/30/10 KRS TPK DCG ISSUED FOR CONSTRUCTION SCALE: NONE PIL-PID-8501 4 HIGHEST MANUAL VALVE NUMBER IS 12. DATE: 01/13/10 REV DATE BY CK APP DESCRIPTION BY: SM

PT-8502 AQUEOUS AMMONIA

METERING PUMP #2

0.003 GPH @ 10' TDH

1/6 HP

PT-8503

AQUEOUS AMMONIA

METERING PUMP #3

0.005 GPH @ 9' TDH

1/6 HP

PT-8501

AQUEOUS AMMONIA

METERING PUMP #1

0.634 GPH @ 10' TDH

1/6 HP