

TP-4207
WHELE STILLAGE FLASH
TANK
SIZE: 4'-0" Ø x 12'-0"
MATERIAL: 304L SS
25PSIG/ FV @ 200°F

PC-4207
WHELE STILLAGE FLASH
PUMP
SIZE: 3x6-14-5V
CAPACITY: 440 GPM @ 80'
MATERIAL: 304L SS
GDDULS 3175

TP-4201
SEPARATOR
1ST EFFECT
SIZE: 10'-6" Øx12'-0"
CAPACITY: 58,650 LB/HR
MATERIAL: 304L SS
25°FV @ 200°F

ET-4201
EVAPORATOR 1
1ST EFFECT
SIZE: 14,137 FT ² 66'-480
CAPACITY: 37,396 BTU/HR
MATERIAL: 304L SS
SS 23°FV @ 200°F

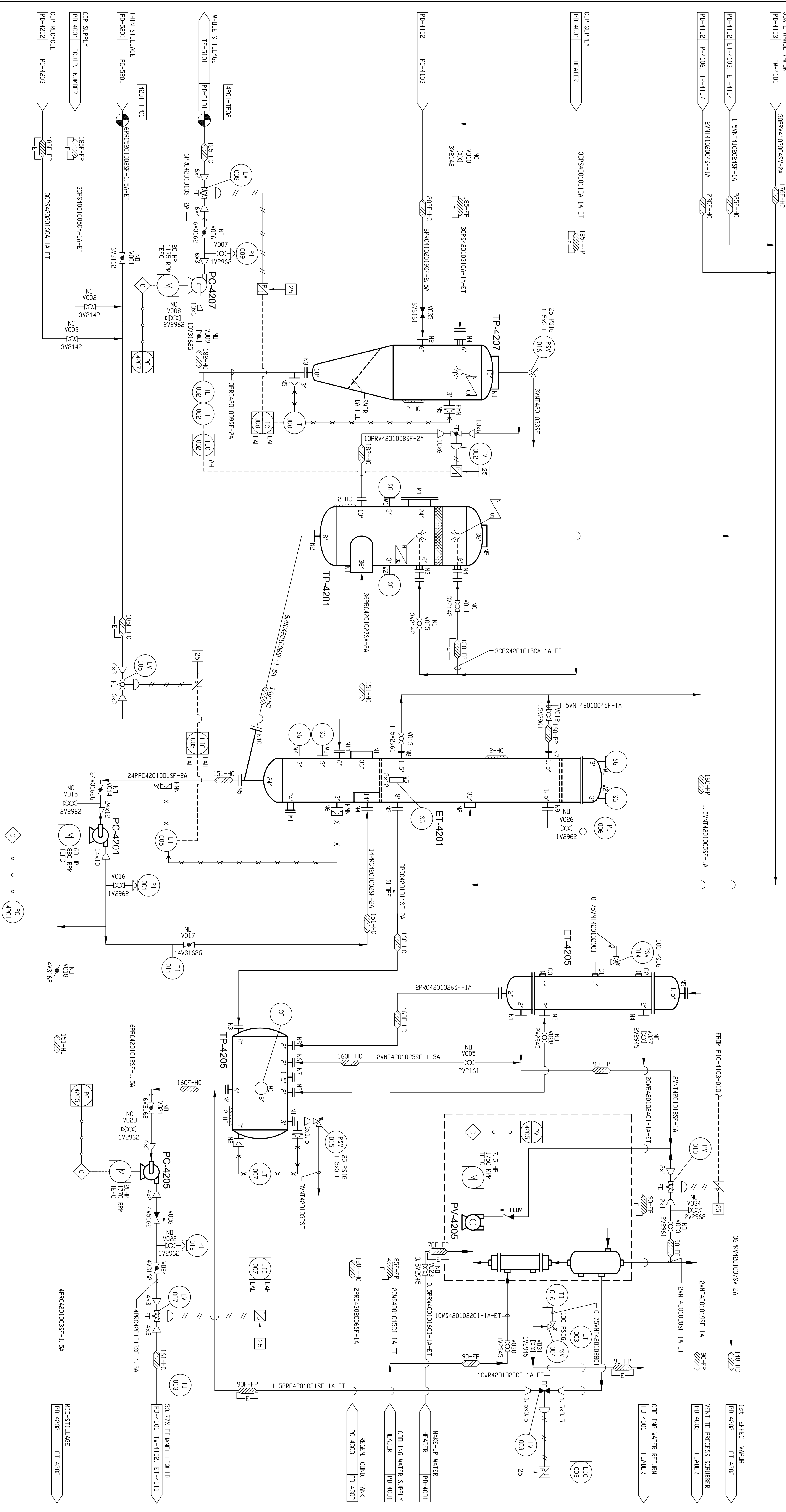
PC-4201
EVAP. RECIRC. PUMP
1ST STAGE
SIZE: 10x12-18-4V
CAPACITY: 2600 GPM @ 60'
MATERIAL: 316 SS
GDDULS 3175

PC-4205
1ST EFFECT CONDENSATE
PUMP
SIZE: 2x3-13
CAPACITY: 150 GPM @ 150'
MATERIAL: 316 SS
GDDULS 3196 MIX

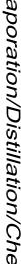
TP-4205
1ST EFFECT CONDENSATE
COLLECTION TANK
SIZE: 3'-6" Ø x 6'-0"
CAPACITY: 420 L SS
MATERIAL: 304 L SS
25PSIG/ FV @ 200°F

ET-4205
CONDENSER
SIZE: 63.50 FT, 1'-0" Øx4'-0"
CAPACITY: 0.10 MBTU/HR
SS 100 PSIG @ 230°F -CS
SS 23 PSIG/FV @ 230°F
-304LSS

PV-4205
VACUUM PUMP
CAPACITY: 77 ACM @
10.2 PSIA, 100°F
MATERIAL: 316 SS



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 THERMAL KINETICS Engineering, PLLC & Systems, LLC Evaporation/Distillation/Chemical Reaction Process Design & Energy Conservation 667 Tift Street Buffalo, NY 14220										Distillation, Dehydration, Evaporation Piping & Instrumentation Diagram Evaporator 1st Effect									
SHEET NO.		75356-PD-4201-01-0		DATE		11-1-06		PROJECT NO.		NONE									
SHEET NO.		1 of 1		DATE		6018-PD-4201		PROJECT NO.		0									

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REV.	RELEASED FOR DETAIL DESIGN	DATE	11-15-06
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