

- NOTES:**
- FOR PNEUMATIC TERMINATIONS, HEADERS, AND OTHER COMMON DETAILS, REFER TO DRAWING 22-1390-000/001.
 - FLARE SIZING BASIS:
 - SUPERIMPOSED BACKPRESSURE: 0 kPag
 - BUILT-UP BACKPRESSURE: SKID EDGE BACKUP PRESSURE IS 33 kPag
 - DRAIN SIZING BASIS: ATMOSPHERIC TANK DOWNSTREAM OF DRAIN HEADER (0 kPag).
 - LOW TEMPERATURE MATERIAL TO THE FIRST WELD INSIDE THE BUILDING FOR ALL PIPING PROJECTING OUT THE SKID.
 - PSV VALVES TO BE REMOVED AND CRATED IN UPRIGHT POSITION FOR SHIPPING.
 - SCRUBBER DRAIN AND FLARE VENT LINE DESIGNED, FABRICATED & TESTED BY BIDEILL AND PROTECTED BY CUSTOMER'S OFF SKID PSV'S. THEREFORE IT IS EXCLUDED FROM THE PIPING REGISTRATION.
 - WIRED BY CUSTOMER.
 - FLOW METER INSTALLED U/S OF AUTO-RECYCLE AT THE REQUEST OF THE CUSTOMER.

| OD TO NPS |
|-------------------|
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| 48mm = 1-1/2" NPS |
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| 114mm = 4" NPS |
| 168mm = 6" NPS |
| 219mm = 8" NPS |
| 273mm = 10" NPS |
| 324mm = 12" NPS |

AS BUILT
AS BUILT
 2023/12/13

| REV | DATE | CREATED | REVIEWED | APPROVED | DESCRIPTION |
|-----|----------|---------|----------|----------|-------------------------|
| 2 | 23-12-13 | YR | CG | TB | AS BUILT |
| 1 | 23-05-01 | CG | GTM | TB | ISSUED FOR CONSTRUCTION |
| 0 | 23-03-21 | CG | GTM | TB | ISSUED FOR CONSTRUCTION |
| A | 23-02-09 | CG | GTM | TB | ISSUED FOR APPROVAL |

AS BUILT
YR TB

AS BUILT

SOUR PROCESS FLOW
 CATERPILLAR G3612LE A4 / ARIEL KBZ/4-3 / AIR-X-LIMITED 156-2ZF

SHEET#: 1 OF 4
 JOB#: 22-1390

PAPER SIZE: 11"x17" SCALE: NTS DWG#: 22-1390-700 REV: 2

V-2610
 STAGE 1 SUCTION SCRUBBER
 DIMENSIONS: 914mm OD x 2565mm S/S
 MAWP: 4516 kPag @ 149°C
 MDMT: -29°C @ 4516 kPag
 C.A.: 3.2mm
 S/N: 22-1390-501
 CRN:

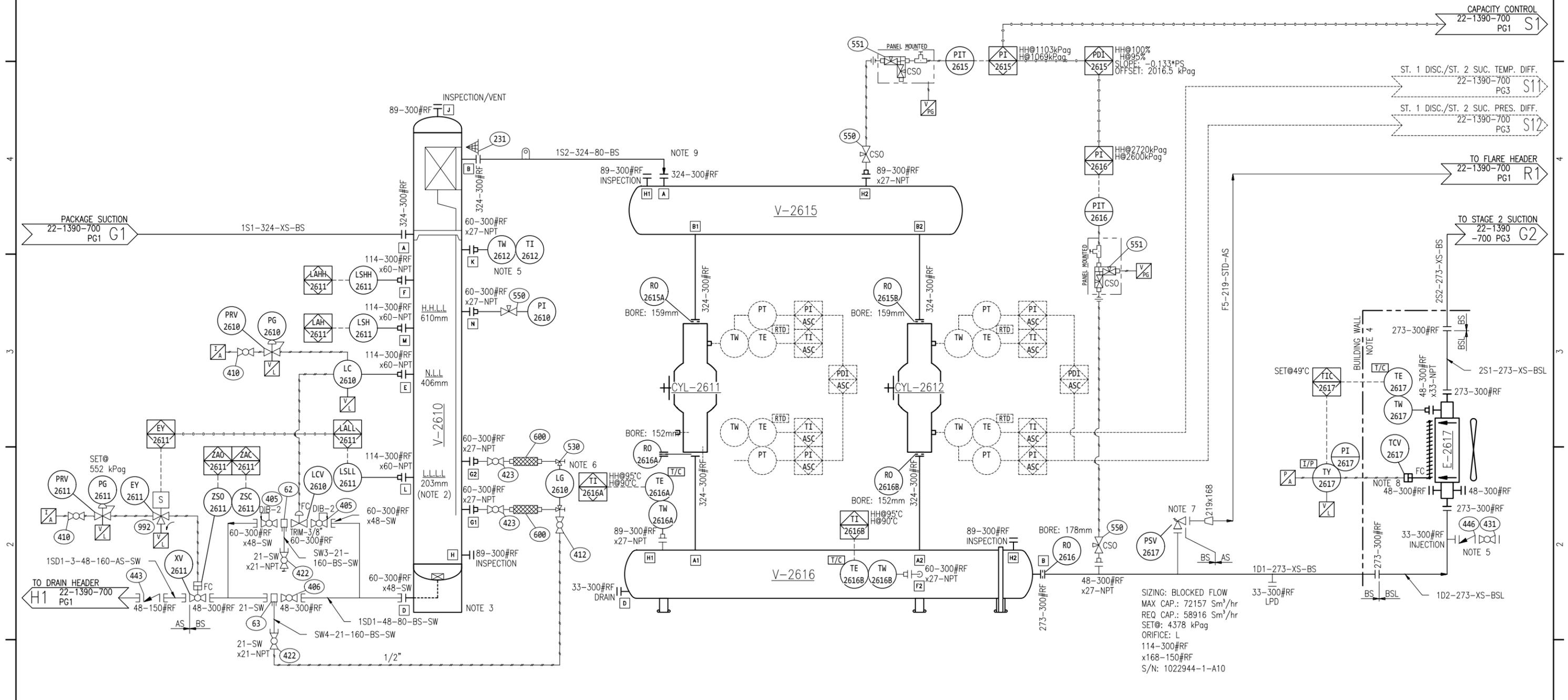
V-2615
 STAGE 1 SUCTION BOTTLE
 THROW#1&3
 DIMENSIONS: 813mm OD x 2083mm S/S
 MAWP: 4516 kPag @ 149°C
 MDMT: -29°C @ 4516 kPag
 C.A.: 3.2mm
 S/N: 22-1390-511
 CRN:

CYL-2611
 STAGE 1 CYLINDER
 THROW #3
 CLASS: 17-7/82:10
 BORE: 454.025mm
 MAWP: 4378 kPag
 S/N: C250429
 CRN: U174512

CYL-2612
 STAGE 1 CYLINDER
 THROW #1
 CLASS: 17-7/82:10
 BORE: 454.025mm
 MAWP: 4378 kPag
 S/N: C250428
 CRN: U174511

V-2616
 STAGE 1 DISCHARGE BOTTLE
 THROW#1&3
 DIMENSIONS: 711mm OD x 3327mm S/S
 MAWP: 4446 kPag @ 177°C
 MDMT: -29°C @ 4446 kPag
 C.A.: 3.2mm
 S/N: 22-1390-521
 CRN:

E-2617
 IC-1 COOLER SECTION
 MAWP: 4446 kPag @ 177°C
 MDMT: -45°C @ 4446 kPag
 HEADER BOX C.A.: 3.2mm
 S/N:
 CRN:



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 - SCRUBBER TO BE WELDED TO SKID.
 - LOW TEMPERATURE MATERIAL TO THE FIRST WELD INSIDE THE BUILDING FOR ALL PIPING PROJECTING OUT THE SKID.
 - ELEVATION TO BE AT OPERATOR EYE LEVEL.
 - LEVEL GAUGE SHALL BE MOUNTED INDEPENDENTLY TO AN HSS COLUMN FROM THE SKID
 - PSV VALVES TO BE REMOVED AND CRATED IN UPRIGHT POSITION FOR PACKAGE SHIPPING.
 - LOUVER ACTUATOR TO BE INSTALLED AT ACCESSIBLE ELEVATION ABOVE GRADE.
 - INTERNALLY SANDBLAST OR PICKLE SUCTION PULSATION BOTTLES AND SUCTION PIPING DOWNSTREAM OF CONE STRAINER.

OD TO NPS

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SOUR PROCESS FLOW
 CATERPILLAR G3612LE A4 / ARIEL KBZ/4-3 / AIR-X-LIMITED 156-2ZF

SHEET#: 2 OF 4
 JOB#: 22-1390

PAPER SIZE: 11"x17"
 SCALE: NTS
 DWG#: 22-1390-700
 REV: 2

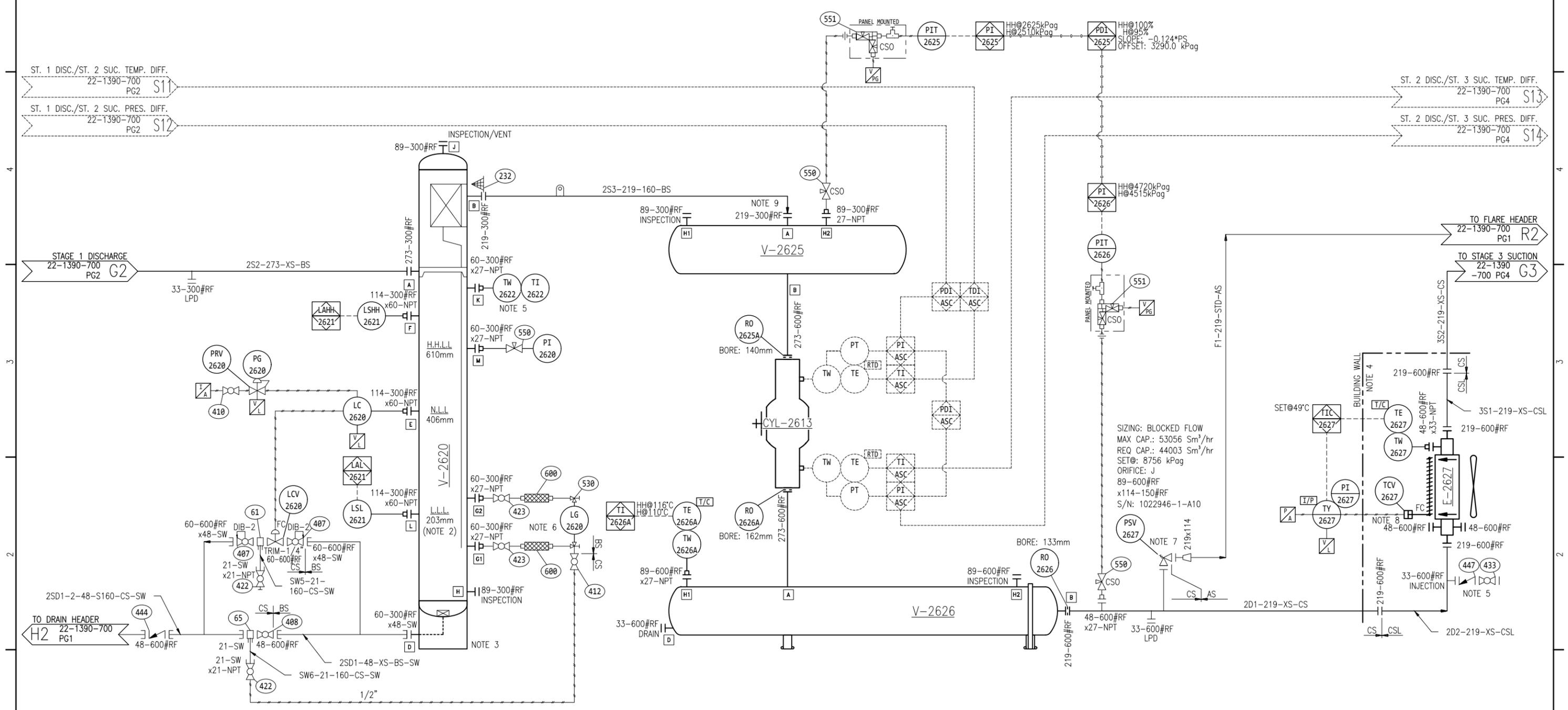
V-2620
 STAGE 2 SUCTION SCRUBBER
 DIMENSIONS: 762mm OD x 2489mm S/S
 MAWP: 4516 kPag @ 149°C
 MDMT: -29°C @ 4516 kPag
 C.A.: 3.2mm
 S/N: 22-1390-502
 CRN:

V-2625
 STAGE 2 SUCTION BOTTLE
 THROW#4
 DIMENSIONS: 711mm OD x 1016mm S/S
 MAWP: 4516 kPag @ 149°C
 MDMT: -29°C @ 4516 kPag
 C.A.: 3.2mm
 S/N: 22-1390-512
 CRN:

CYL-2613
 STAGE 2 CYLINDER
 THROW #4
 CLASS: 14-1/8Z:10
 BORE: 358.775mm
 MAWP: 8756 kPag
 S/N: C250425
 CRN: U174508

V-2626
 STAGE 2 DISCHARGE BOTTLE
 THROW#4
 DIMENSIONS: 660mm OD x 2261mm S/S
 MAWP: 8873 kPag @ 177°C
 MDMT: -29°C @ 8873 kPag
 C.A.: 3.2mm
 S/N: 22-1390-522
 CRN:

E-2627
 IC-2 COOLER SECTION
 MAWP: 8873 kPag @ 177°C
 MDMT: -45°C @ 8873 kPag
 HEADER BOX C.A.: 3.2mm
 S/N:
 CRN:



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SOUR PROCESS FLOW
 CATERPILLAR G3612LE A4 / ARIEL KBZ/4-3 / AIR-X-LIMITED 156-2ZF

SHEET#: 3 OF 4
 JOB#: 22-1390

PAPER SIZE: 11"x17"
 SCALE: NTS
 DWG#: 22-1390-700
 REV: 2

V-2630
 STAGE 3 SUCTION SCRUBBER
 DIMENSIONS: 711mm OD x 2083mm S/S
 MAWP: 9032 kPag @ 149°C
 MDMT: -29°C @ 9032 kPag
 C.A.: 3.2mm
 S/N: 22-1390-503
 CRN:

V-2635
 STAGE 3 SUCTION BOTTLE
 THROW#2
 DIMENSIONS: 711mm OD x 1143mm S/S
 MAWP: 9032 kPag @ 149°C
 MDMT: -29°C @ 9032 kPag
 C.A.: 3.2mm
 S/N: 22-1390-513
 CRN:

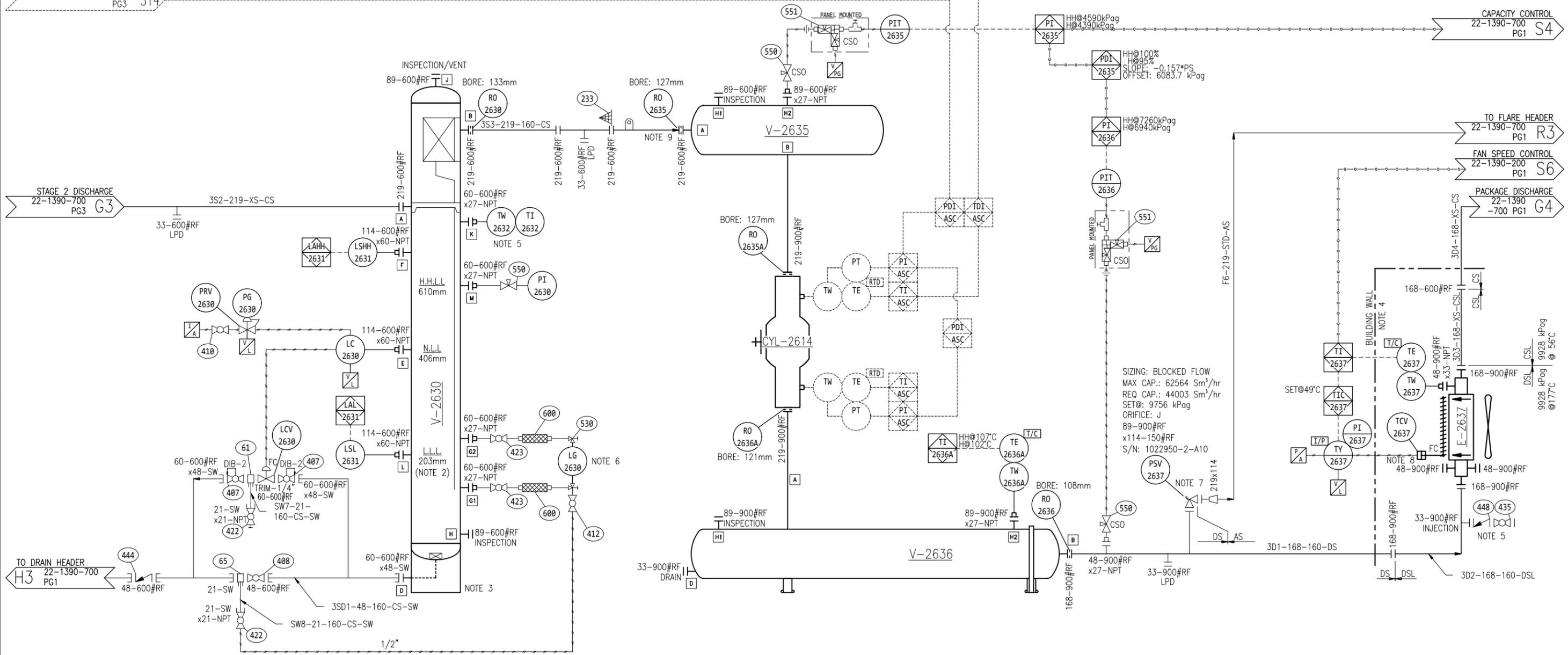
CYL-2614
 STAGE 3 CYLINDER
 THROW #2
 CLASS: 112:10
 BORE: 266.700mm
 MAWP: 11721 kPag
 S/N: C250423
 CRN: U174505

V-2636
 STAGE 3 DISCHARGE BOTTLE
 THROW#2
 DIMENSIONS: 610mm OD x 2134mm S/S
 MAWP: 13320 kPag @ 177°C
 MDMT: -29°C @ 13320 kPag
 C.A.: 3.2mm
 S/N: 21-1390-523
 CRN:

E-2637
 AC COOLER SECTION
 MAWP: 9928 kPag @ 177°C
 MDMT: -45°C @ 9928 kPag
 HEADER BOX C.A.: 3.2mm
 S/N:
 CRN:

ST. 2 DISC./ST. 3 SUC. TEMP. DIFF.
 22-1390-700 PG3 S13

ST. 2 DISC./ST. 3 SUC. PRES. DIFF.
 22-1390-700 PG3 S14



SIZING: BLOCKED FLOW
 MAX CAP.: 62564 Sm³/hr
 REQ CAP.: 44003 Sm³/hr
 SET@: 9756 kPag
 ORIFICE: J
 89-900#RF
 x114-150#RF
 S/N: 1022950-2-A10

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SHEET#: 4 OF 4
 JOB#: 22-1390

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 SCALE: NTS
 DWG#: 22-1390-700
 REV: 2