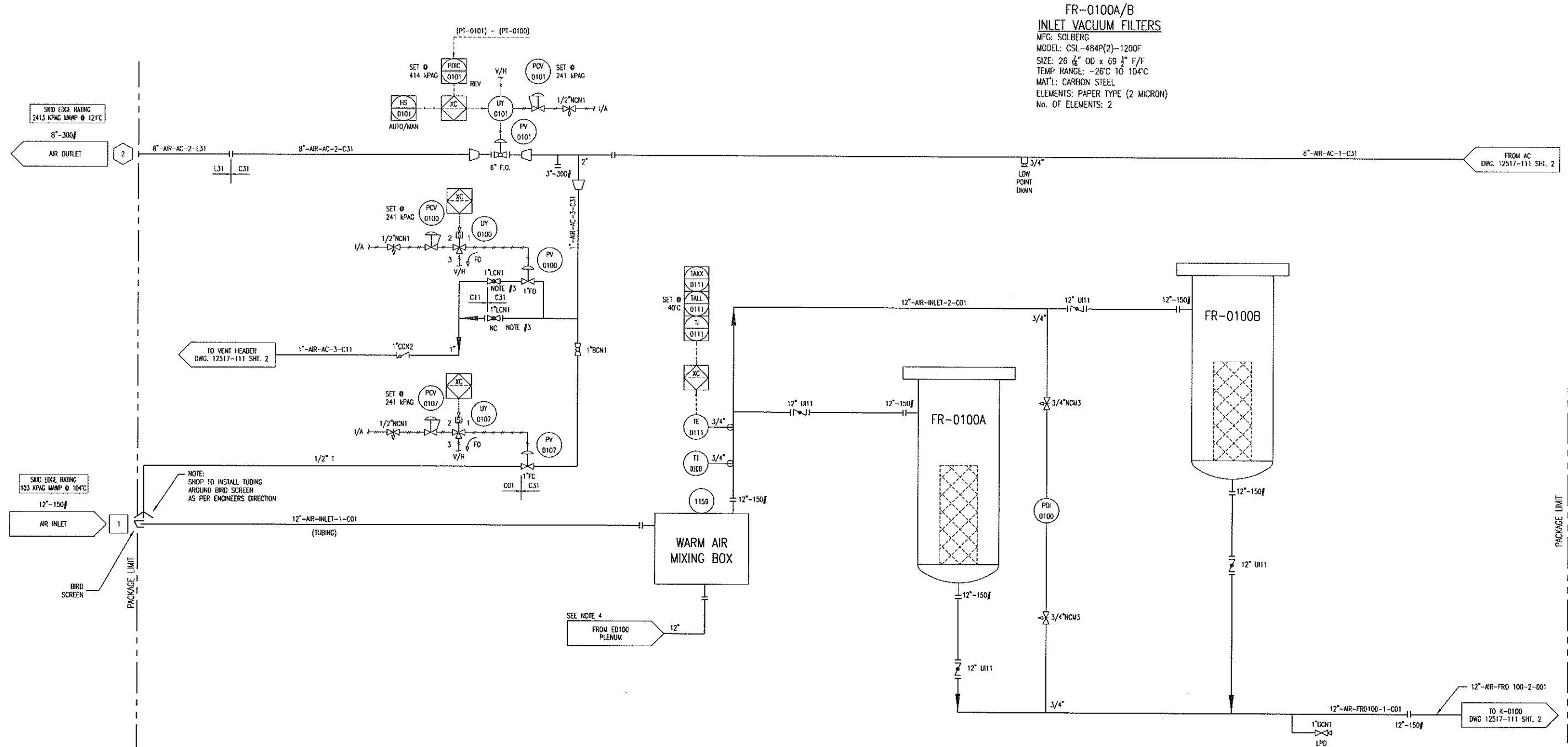


PLDT DATE: December 20, 2019 P:\10000 Project\12517 Husky S140 G3516LE (Ariel RG357M) (Drawing) (P&ID) (2517-111) - FOR REGISTRATION.dwg



FR-0100A/B
INLET VACUUM FILTERS
MFG: SOLBERG
MODEL: CSL-484P(2)-1200F
SIZE: 26 7/8" OD x 69 3/4" F/F
TEMP RANGE: -26°C TO 104°C
MAT'L: CARBON STEEL
ELEMENTS: PAPER TYPE (2 MICRON)
NO. OF ELEMENTS: 2

SKID EDGE RATING
2413 KPAC WAMP @ 121°C

SKID EDGE RATING
103 KPAC WAMP @ 104°C

TO VENT HEADER
DWG. 12517-111 SHT. 2

SEE NOTE 4
FROM ED100
PLENUM

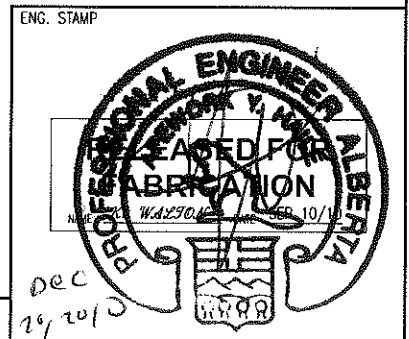
TO K-0100
DWG 12517-111 SHT. 2

- NOTES:
1. SEE DRAWING 099 FOR GENERAL NOTES & PROJECT OVERVIEW.
 2. SEE DRAWING 199 FOR P&ID SYMBOL LEGEND.
 3. THROTTLE VALVE TO CONTROL BLOWDOWN RATE & AVOID COMPRESSOR OIL LOSS.
 4. TAKE WARM AIR FROM BOTTOM OF COOLER PLENUM.

| | | | | |
|-----|-------------------------------------|-----------|----|-----|
| 6 | FOR REGISTRATION | NOV 23/10 | JH | AR |
| 5 | TE 0111 ADDED | SEP 10/10 | KW | AR |
| 4 | GENERAL REVISIONS | AUG 26/10 | KW | AR |
| 3 | ISSUED FOR CONSTRUCTION TO THE SHOP | 07/15/10 | KW | AR |
| 2 | GENERAL REVISIONS | 06/30/10 | KW | AR |
| 1 | ISSUED FOR FABRICATION | 06/25/10 | KW | AR |
| A | ISSUED FOR APPROVAL | 06/04/10 | KW | AR |
| REV | DESCRIPTION | DATE | BY | APR |

DATE 12/09/09 SCALE NTS
DRAWN BY X. WALLSTON
CHECKED BY A. BODD
APPROVED BY A. BODD
CUST PO N/A
STEP CODE 131 211 212 453

PERMIT TO PRACTISE APEGGA PERMIT: No. P8651
FOR HUSKY OIL OPERATIONS
CATERPILLAR G3516LE-AFRC
ARIEL RG357M
ENERFLEX
10121 - BARLOW TRAIL N.E.
CALGARY ALBERTA CANADA
DWG NO 12517-111 SHT 1 REV 6



DESTROY PREVIOUS COPIES

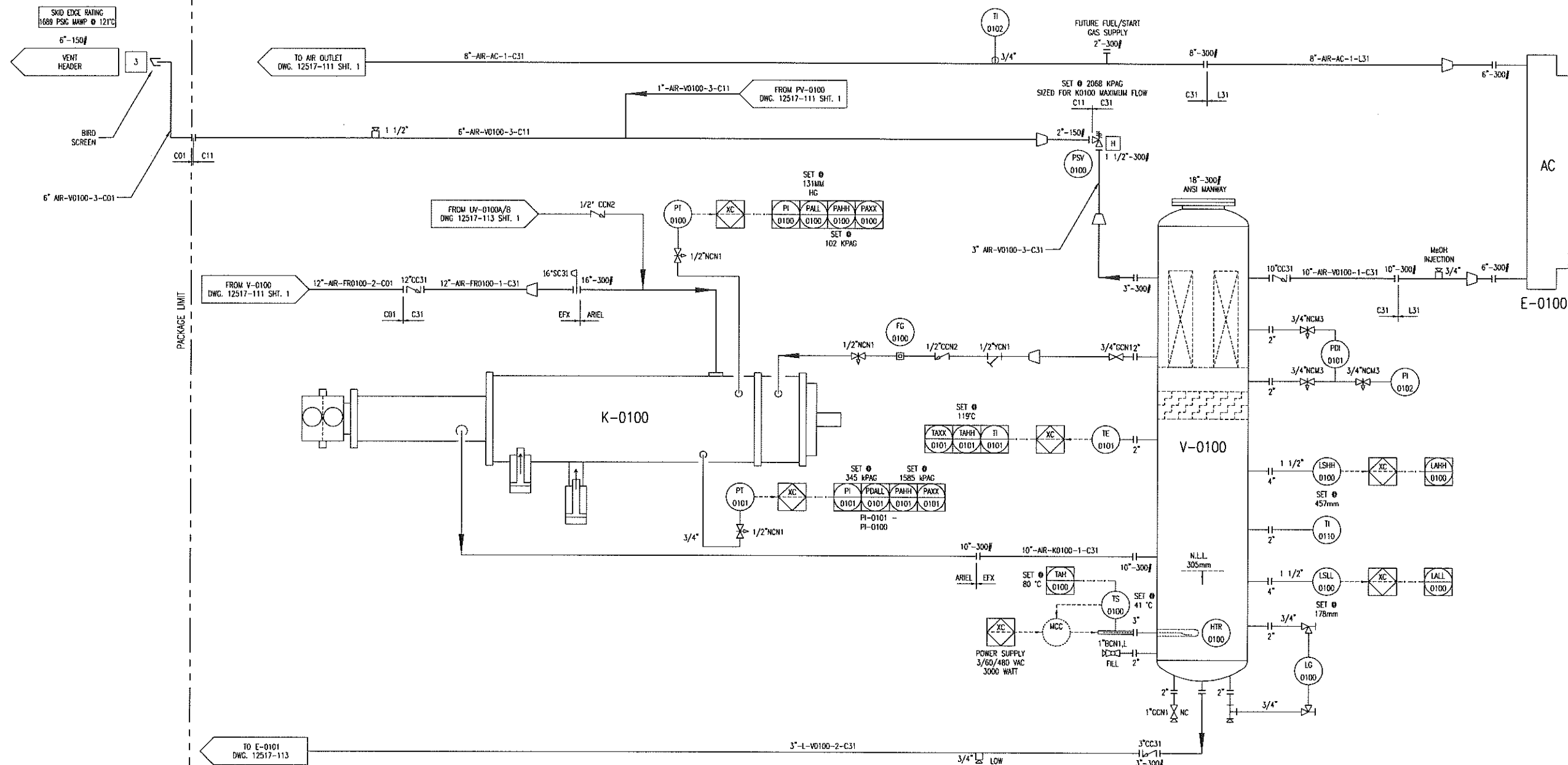
NO SWAK ALLOWED
MTR's REQUIRED
ON ALL
PRESSURE RETAINING
PIPE & FITTINGS

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K-0100
SCREW GAS COMPRESSOR FRAME
MFG: ARIEL
MODEL: RC357M
OPERATING: 2489 RPM

V-0100
OIL SEPARATOR
MFG: TESI
SIZE: 1219mm x 2591mm S/S
MAWP: 2413 kPAG @ 121°C
MDMT: -29°C @ 2413 kPAG
CA: 1.6mm
MAT'L: SA-516-70
ELEMENTS: (7) RSC1175-3
EFFICIENCY: 0.3 MICRONS

AC (E-0100)
COOLER SECTION
MFG: AIR-X-CHANGERS
MODEL: 156EH-122-24
MAWP: 2413 kPAG @ 149°C
MDMT: -45°C @ 2413 kPAG



**MTR's REQUIRED
ON ALL
PRESSURE RETAINING
PIPE & FITTINGS**

DESTROY PREVIOUS COPIES

NO SWAK ALLOWED

| | | | | |
|-----|-------------------------------------|-----------|----|-----|
| 6 | FOR REGISTRATION | NOV 23/10 | JH | AR |
| 5 | TAG REMOVED | SEP 17/10 | KW | AR |
| 4 | AIR COOLER REVISED | 07/21/10 | KW | AR |
| 3 | ISSUED FOR CONSTRUCTION TO THE SHOP | 07/15/10 | KW | AR |
| 2 | GENERAL REVISIONS | 06/30/10 | KW | AR |
| 1 | ISSUED FOR FABRICATION | 06/25/10 | KW | AR |
| A | ISSUED FOR APPROVAL | 06/04/10 | KW | AR |
| REV | DESCRIPTION | DATE | BY | APR |

PERMIT TO
PRACTISE APECCA PERMIT: No. P8651

FOR
HUSKY OIL OPERATIONS
CATERPILLAR G3516LE-AFRC
ARIEL RC357M

ENERFLEX

10121 - BARLOW TRAIL, N.E.
CALGARY, ALBERTA, CANADA

TITLE
P & I DIAGRAM
PROCESS GAS

DWG
NO 12517-111

SHT
2

REV
6

PLD DATE December 20, 2010 P:\0000 Projects\12517 Husky S1340 C5516LE Ariel RC357M (Drawing\PAID)\12517-111-FOR REGISTRATION.dwg

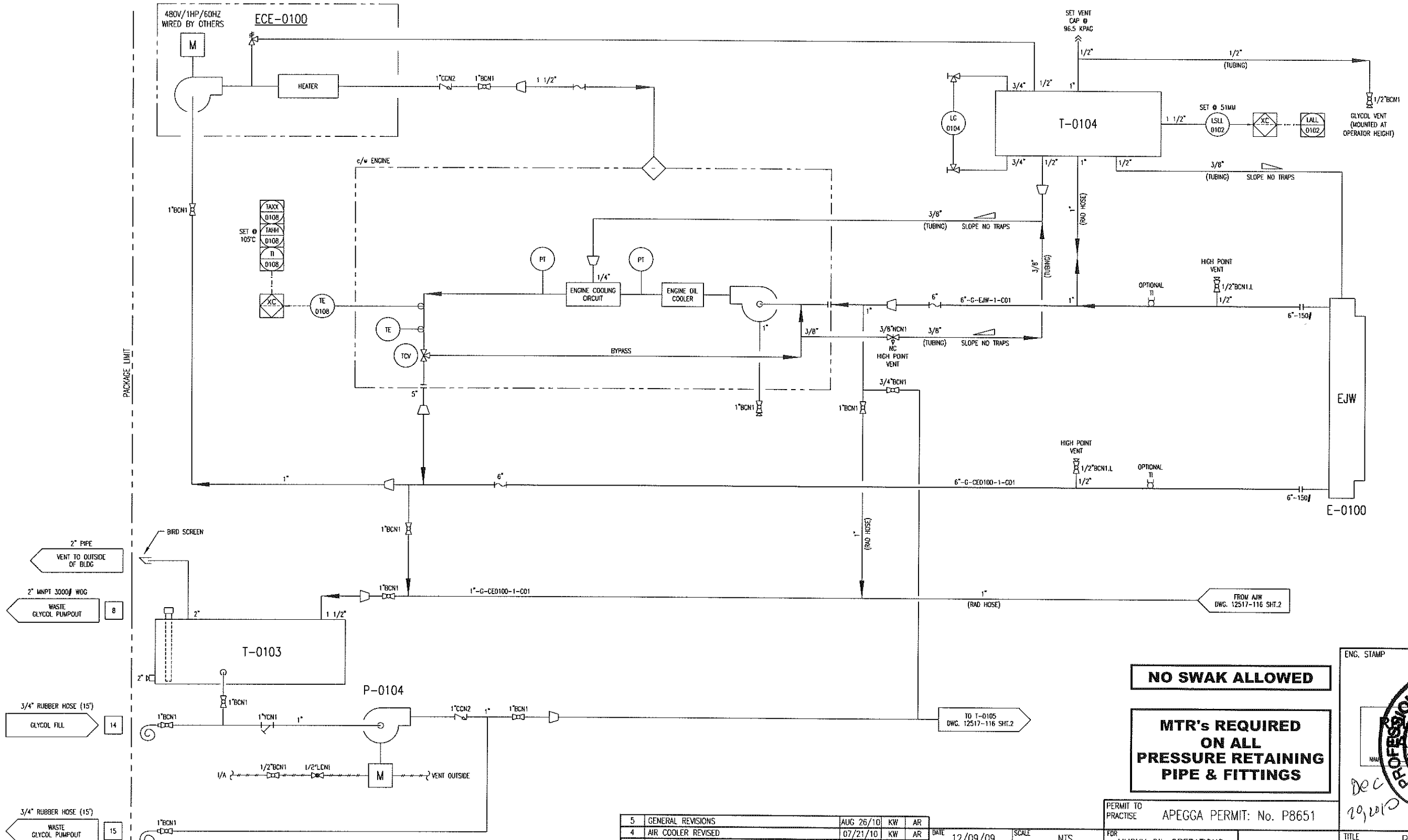
T-0103
WASTE GLYCOL TANK
MFG: EFX
CAPACITY: 1281L
SIZE: 24" X 8" X 480", 3/8" THK.
MAT'L: G40.21350W

ECE-0100
GLYCOL HEATER
MFG: KIM HOT START
MODEL: CLER31804
POWER: 480V/3Ph/60Hz
FLOW RATE: 40 GPM

P-0104
GLYCOL TRANSFER PUMP
MFG: YAMADA
MODEL: NDP-25BAN
INLET GAS PRESSURE: 138-689 KPAG
FLOW: 100 LPM @ 276 KPAG

T-0104
GLYCOL (EJW) SURGE TANK
MFG: EFX
CAPACITY: 103L
SIZE: 12" X 12" X 48", 1/4" THK
MAT'L: G40.21350W

EJW (E-0100)
ENGINE JACKET WATER
COOLER SECTION
MAWP: 97 KPAG @ 149°C
MDMT: -29°C @ 97 KPAG



DESTROY PREVIOUS COPIES

NO SWAK ALLOWED
MTR's REQUIRED
ON ALL
PRESSURE RETAINING
PIPE & FITTINGS

| | | | | |
|-----|-------------------------------------|-----------|----|-----|
| 5 | GENERAL REVISIONS | AUG 26/10 | KW | AR |
| 4 | AIR COOLER REVISED | 07/21/10 | KW | AR |
| 3 | ISSUED FOR CONSTRUCTION TO THE SHOP | 07/15/10 | KW | AR |
| 2 | GENERAL REVISIONS | 06/30/10 | KW | AR |
| 1 | ISSUED FOR FABRICATION | 05/25/10 | KW | AR |
| A | ISSUED FOR APPROVAL | 06/04/10 | KW | AR |
| REV | DESCRIPTION | DATE | BY | APR |

| | | | |
|-------------|-------------|------------|-----------|
| DATE | 12/09/09 | SCALE | NTS |
| DRAWN BY | X. WAZZ/091 | CHECKED BY | A. R05663 |
| APPROVED BY | A. R05663 | CUST PO | N/A |
| STEP CODE | 112 412 521 | | |

PERMIT TO
PRACTISE APEGGA PERMIT: No. P8651
FOR
HUSKY OIL OPERATIONS
CATERPILLAR G3516LE-AFRC
ARIEL RC357M
ENERFLEX
10121 - BARLOW TRAIL N.E.
CALGARY ALBERTA CANADA
DWC NO 12517-116
SHT 1
REV 5

ENG. STAMP
PROFESSIONAL ENGINEER
ALBERTA
REGISTERED FOR
FABRICATION
NAME: X. WAZZ/091
DATE: DEC 26/10
TITLE: P & I DIAGRAM
COOLING SYSTEM
ENGINE JACKET WATER
REV 5

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