

V-110
SUCTION SCRUBBER
8 3/4" O.D. x 3'-0" S/F
MAWP: 285 PSIG @ 650°F
MDMT: -20°F @ 285 PSIG
C.A.: 1/8"
CRN: AB

V-120
INTERSTAGE SCRUBBER
8 3/4" O.D. x 3'-0" S/F
MAWP: 285 PSIG @ 650°F
MDMT: -20°F @ 285 PSIG
C.A.: 1/8"
CRN: AB

C-200
COMPRESSOR
BLACKMER HD172C
TWO STAGE RECIPROCATING
MAWP: 615 PSIA
SPEED: 350-825 RPM
MAX. BHP: 10

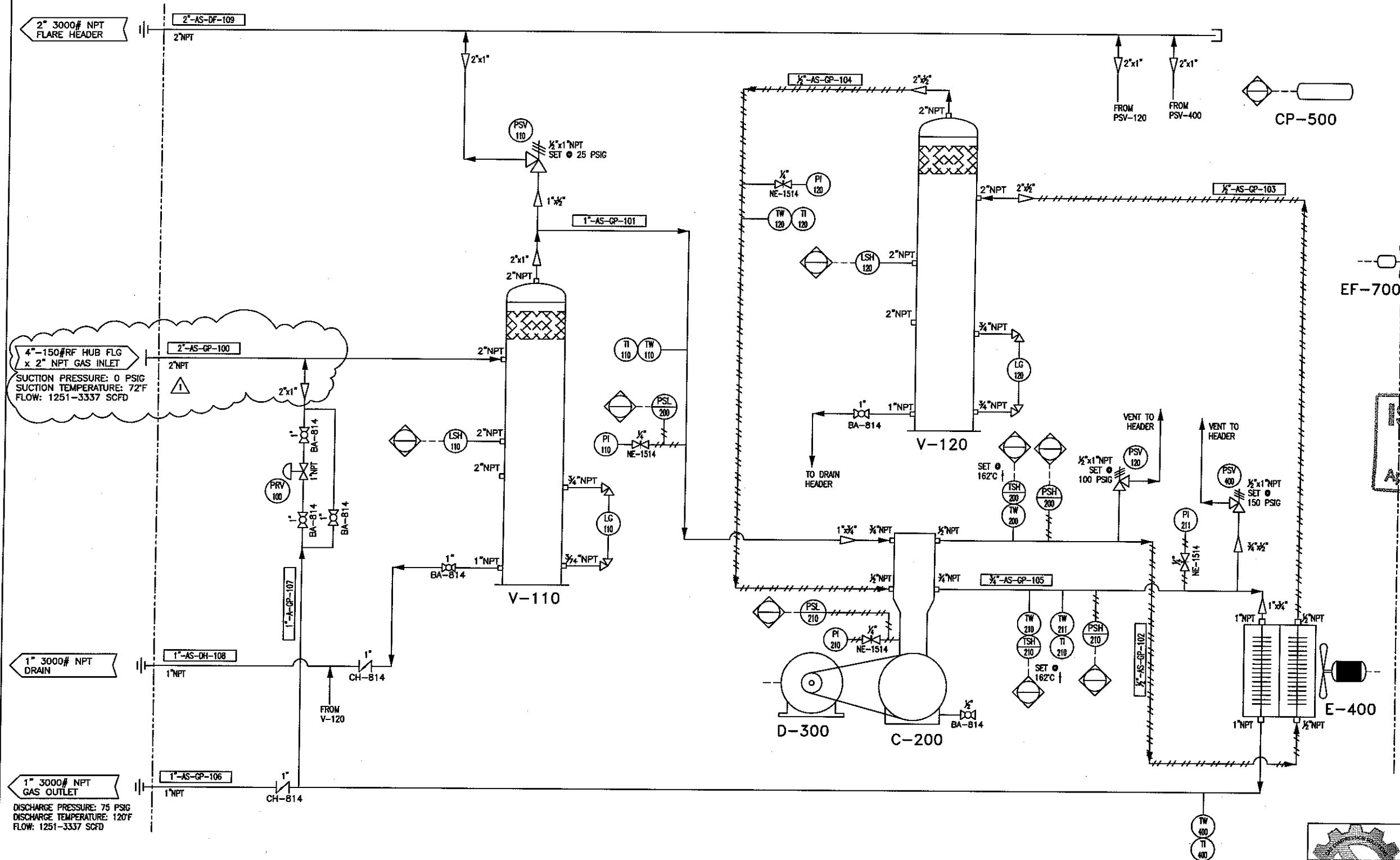
D-300
DRIVER
TECO WESTINGHOUSE
5HP ELECTRIC MOTOR
TEFC, 1800 RPM,
3PH, 60HZ, 460V

E-400
COOLING SYSTEM
GHT AOX-8 250 SERIES
MAWP: 250 PSIG @ 250°F
c/w 1/3 HP TEFC ELECTRIC MOTOR
460V, 3PH, 60HZ, 3450 RPM

CP-500
ANNUNCIATOR PANEL
MURPHY TTD c/w SWITCHGAGES
CLASS 1, DIV 2
24 VDC

BH-600
BUILDING HEATER
HAZLOC 7.5 KW
EX. PROOF

EF-700
BUILDING EXHAUST FAN
12 ACPH, 1/4 HP
EX. PROOF, 120V



GENERAL NOTES

1. PIPING CONSTRUCTED TO ASME B31.3-2010 SOUR SERVICE.
2. MATERIALS:
SPEC. 'AS'
ALL THREADED PIPING 2" & SMALLER:
PIPE: SA-106-B, SCH.80
FITTINGS: SA-105N, 3000# NPT
UNIONS: SA-105N, 3000# NPT
TUBING:
1/4" O.D., 3/8" O.D. & 1/2" O.D., 0.035" WALL,
3/4" O.D., 0.049" WALL,
FULLY ANNEALED, 316SS, ASTM A269/B31.3-2010
TUBING FITTINGS:
1/4", 3/8", 1/2", 3/4", 316SS, SWAGelok
3. DESIGN:
SPEC. 'AS' MAWP: 285 PSIG @ 100°F + 1/8" C.A.
(THREADED) MDMT: -20°F @ 285 PSIG
AIR TEST: 315 PSIG
4. THIS PRESSURE PIPING SYSTEM HAS A CAPACITY OF LESS THAN 0.5 CUBIC METRES.
5. PACKAGE IS CLASSIFIED AS CLASS 1, DIVISION 2.
6. ALL CONTROL VALVES TO BE VENTED OUTSIDE.
7. PROCESS AND INSTRUMENTATION DIAGRAM TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT DRAWING AND BILL OF MATERIALS.

ISSUED FOR CONSTRUCTION

Approved JB Date 21/09/11

REVISED

LINE NUMBERING SYSTEM

LINE SIZE
CLASS
COMMODITY CODE
LINE #

CLASS: AS=150# ANSI
BS=300# ANSI
COMMODITY: GP=PROCESS GAS
DF=PROCESS FLARE
DH=HYDROCARBON LIQUIDS DRAIN

□ SIGNAL TO/FROM PANEL
○ LOCALLY MOUNTED
● MAIN CONTROL PANEL
● LOCAL GAUGE PANEL

--- PNEUMATIC SIGNAL
--- ELECTRIC SIGNAL
--- CAPILLARY SIGNAL

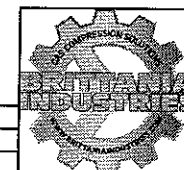
BA = BALL VALVE
CH = CHECK VALVE
CA = GATE VALVE
GL = GLOBE VALVE
NE = NEEDLE VALVE

0 = SWEET SERVICE
1 = ANSI 150#
2 = ANSI 300#
3 = ANSI 600#
4 = CLASS 800
5 = ANSI 900#
15 = CLASS 6000

□ BALL VALVE
□ CHECK VALVE
□ GATE VALVE
□ GLOBE VALVE
□ NEEDLE VALVE

REV	DESCRIPTION	DATE	BY
1	REVISED AS NOTED	21/09/11	JB
0	ISSUED FOR CONSTRUCTION	17/08/11	JB
B	ISSUED FOR CUSTOMER APPROVAL	12/08/11	JB
A	ISSUED FOR CUSTOMER APPROVAL	28/07/11	JB

REVISION HISTORY



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PROCESS AND INSTRUMENTATION DIAGRAM
BLACKMER HD172C / 5HP ELECTRIC

PROJECT:
LSD:

SCALE
NTS
JOB No.
20501

CUSTOMER
CANADIAN ABRAXAS
c/o WESTVIEW ENGINEERING LTD.

DWG NO.
20501-100

REV.
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