

## VESSEL

(1) 24" OD X 8'0" SM/SM

DESIGN TEMPERATURE: 130° F

MDMT: -20° F

DESIGN PRESSURE: 1440#

CORROSION ALLOWANCE: 1/8"

PHASE DESIGN: 3 PHASE, DRESSED 2 PHASE

ASME CODE CONSTRUCTION, REGISTERED: AB/BC/SK

INLET DIVERTER AND FLOAT HOOD

6" THICK X 9# DENSITY, 316 S.S. MISTEX PAD

SUPPORT SKIRT AND BASE PLATE

RADIOGRAPHY: FULL LONG SEAM, FULL CIRC.SEAM (RT1)

STRESS RELIEVED

INLET 3" 600# RFWN FLANGE

GAS OUTLET 3" 600# RFWN FLANGE

PSV 2" 600# RFWN FLANGE

DRAIN 2" 600# RFWN FLANGE

LCV 2" 600# RFWN FLANGE (2 REQUIRED)

LLC 4" 600# RFWN FLANGE (2 REQUIRED)

HLSD 4" 600# RFWN FLANGE

INSP 4" 600# RFWN FLANGE (2 REQUIRED)

LG 3/4" 6000# NPT COUPLING (4 REQUIRED)

TI 3/4" 6000# NPT COUPLING

PI 1/2" 6000# NPT COUPLING

## VESSEL DRESSDOWN

## SAFETY VALVES

(1) PSV: 2" NPT TAYLOR 8200 PRESSURE SAFETY RELIEF VALVE SET AT 1440#, SOUR SERVICE "G" ORIFICE

## GAS LEG

(1) FE: 3" 600# DANIEL SENIOR ORIFICE FITTING SOUR  
AGA 2000 EDITION W/PIN TYPE FLOW CONDITIONER  
ONE PLATE GASKET, ONE ORIFICE PLATE.  
ONE 1" AND ONE 3/4" T.O.L.

(1) FRPR: BARTON 202E 2 PEN RECORDER  
0-1500# STATIC ELEMENT  
0-100" DIFFERENTIAL PEN  
DISPOSABLE PENS, CHARTS, CLOCK DRIVE  
SOUR, RECONDITIONED

(1) PART: A.G. 3 VALVE MANIFOLD 316SS (M19ST-H1)

(2) BALL VALVE: WKM 1/2" NPT 3000#, FP, SOUR, B138-CS2-43-S2-WR

(MANIFOLD ISOLATION)

(1) PCV: CVS 2" 600# RF FLANGED, CVS SERIES D CONTROL VALVE C/W 1" SST M-FORM TRIM, 667-40 ATC/FC ACTUATOR, SOUR/STD

(1) PC: CVS 4150 PRESSURE CONTROLLER 0-1500 PSIG  
SOUR SERVICE, SOUR PROCESS GAS  
316 SS BOURDON TUBE, 6-30 PSI OUTPUT  
DIRECT OR REVERSE ACTING (FIELD REVERSIBLE)

(1) NEEDLE VALVE: WESTERN GAUGE WGI 1/2" NPT MXF 6000# WP, SOUR #WN1434P

FLUID LEG

(1) LLC: 2" NPT NORRISEAL 1001A PNEUMATIC LIQUID LEVEL CONTROLLER, SOUR

(1) LCV: 2" NPT NORRISEAL 2220 LEVEL CONTROL VALVE SOUR

(1) GAUGE COCKS: 3/4" QUALITY Q146 (NACE)

(1) GAUGE GLASS: 1/2" QUALITY Q16R20 (NACE)

(2) BALL VALVE: BAR STOCK 2" NPT 2000#, RP, NACE (LCV ISOLATION)

DRAIN

(1) BALL VALVE: BAR STOCK 2" NPT 2000#, RP, NACE (DRAIN)

MISCELLANEOUS

(1) PI: 1/2" X 4" LIQUID FILLED PRESSURE GAUGE

(1) NEEDLE VALVE: WESTERN GAUGE WGI 1/2" NPT MXF 6000# WP, SOUR #WN1434P

(1) TI: 3" FACE X 6" STEM DUAL SCALE THERMOMETER

(1) THERMOWELL: 1/2" X 3/4" X 6" STEM 316SS

FUEL GAS SYSTEM

(1) FGS: 8" X 24" 375# SOUR STRESS RELIEVED

(1) HLSD: 2" NPT FOR FUEL GAS SCRUBBERS, C/W FLOAT, MODEL NO. FGSO2A11F,  
STD/SOUR

(1) PSV: 1" NPT TAYLOR SAFETY RELIEF VALVE SET AT 150# "E" ORIFICE 0.212", SOUR  
SERVICE

(1) PRV: 1" FISHER 627 REGULATOR  
STEEL BODY, SOUR TRIM

70-150# SPRING, 1/8"ORIFICE

(2) PRV: 1/4" FISHER 67CFR PRESSURE REGULATOR  
SOUR SERVICE, VENTED BONNET  
0-35 PSI ADJUSTABLE O/P RANGE

(3) PI: 1/4" X 2-1/2" LIQUID FILLED PRESSURE GAUGE

(1) BALL VALVE: BAR STOCK 1/2" NPT 2000#, RP, NACE (FGS DRAIN)

(1) BALL VALVE: BAR STOCK 1" NPT 2000#, RP, NACE (INLET ISOLATION)

(3) NEEDLE VALVE: WESTERN GAUGE WGI 1/2" NPT MXF 6000# WP, SOUR #WN1434P

#### BUILDING

(1) 8' X 8' X 8' EAVE SHED TYPE BUILDING  
22 GAUGE GALVALUME EXTERIOR  
24 GAUGE FLUTED ALUMINUM INTERIOR  
R-12 INSULATION WALLS & ROOF.  
3' X 7' INSULATED STEEL MAN DOOR C/W PANIC HARDWARE & DOREX LOCK, CHECK  
CHAIN.  
(1) 36" X 38" DOUBLE GLAZED SLIDING WINDOW, C/W SCREEN  
(2) 12" X 12" LOUVER C/W SLIDER AND SCREEN

#### BUILDING HEATER

(1) HEATER: CATADYNE, CCI 12 X 24  
RATING 10,000 BTU/HR  
NATURAL GAS REGULATORS  
GRILL GUARD%%%%  
SAFETY SHUT OFF H19 TAMPER PROOF  
VENT HOOD  
SOUR GAS FILTER  
WIRED TO CODE WITH 25' STARTER CABLES 12V DC  
P/N 65603

#### SKID

(1) 8' X 8' EL SKID C/W  
6" @ 15# WIDE FLANGE MAIN MEMBERS  
4" @ 7.7# I-BEAM CROSS MEMBERS  
3/16" CHECKER PLATE FLOOR

UNDERFLOOR INSULATION NOT INCLUDED

#### TESTING

RADIOGRAPHY & HYDROTESTING

RT1 FULL RADIOGRAPHY ON VESSEL PER UW11(a)  
100% RADIOGRAPHY ON WELDED PIPING.  
VESSEL HYDROSTATICALLY TESTED TO CODE.  
WELDED PIPING HYDROSTATICALLY TESTED TO 1.5 TIMES DESIGN PRESSURE.  
STRESS RELIEVING OF VESSEL AND WELDED PIPING

#### PAINTING

SKID & PIPING BLASTED TO SSPC-SP7  
SKID & PIPING PRIMED WITH ONE COAT OF ARGO SHOP PRIMER  
SKID & PIPING FINISHED WITH ONE COAT OF CLOVERDALE GREY ENAMEL

#### PACKAGING

PIPING SECURELY SUPPORTED  
ALL PIPING TO SKID EDGE  
INSTRUMENT TUBING SECURELY SUPPORTED  
COMPONENTS ARE DISMANTLED ONLY TO THE EXTENT REQUIRED FOR SHIPPING

#### MATERIALS

VESSEL SHELL SA516-70N  
VESSEL HEADS SA516-70N  
WELD FITTINGS SA234-WPB  
THREADED FITTINGS SA105N  
PIPING SA106-GR. B  
PRESSURE BOLTING B7M STUDS, 2HM NUTS  
PRESSURE GASKETS 316SS FLEXITALLIC  
TUBING 316SS  
TUBE FITTINGS 316SS SWAGELOK