REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ESR RECOVERY SYSTEM
Dwg. No. 74520-0001

HP DISCHARGE

LP SUCTION

COOLING WATER SYSTEM (CWS)
Dwg. No. 74622-0001

FIELD PIPING
RECOVERY COMPRESSOR SKID

300#

150#

MV62550

PCV62550
S.P. 12.9 ATM
(175 PSIG)

PI 62550

PT 62550

FLT62550

RV62520
S.P. 19.7 ATM
(275 PSIG)

1 X 1

PSH 62520

PT 62520

PI 62520

TP 62520

TP 62510

SPECIAL

COMPRESSOR

MV62595

OIL DRAIN / FILL

FC

SV62510

MV62512

PCV62510
S.P. 6.80 ATM
(100 PSIG)

PI 62510

PT 62510

PSL 62510

CWS

CWR

MV62560

MV62570

HX-1
He AFTERCOOLER

TP 62530

FI 62560

HOT OIL TO COOLER

(LIQUID INJECTION)

(VAPOR INJECTION)

MV62562

MV62572

MV62544

CKV62540

MV62542

1/4" OD

1/2" OD

BX

COALESCER #4

COALESCER #3

COALESCER #2

COALESCER #1

OIL SEPARATOR

HX-2
OIL COOLER

COALESCER OIL RETURN

COOL OIL TO COMPRESSOR

MV62590
(METERING)

MV62592

OIL DRAIN

TP 62590

MV62545

MV62546

CARBON VESSEL

SG62538

SG62536

SG62534

SG62532

SG62530

MV62538 (METERING)

MV62536 (METERING)

MV62534 (METERING)

MV62532 (METERING)

MV62530 (METERING)

OIL TOP OFF

CKV62539A

MV62539

OIL DRAIN MANIFOLD

DIM & TOL PER ASME Y14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± N/A; DECIMAL X ± N/A, XX ± N/A, XXX ± N/A; ANGLES ± N/A	MATERIAL: N/A	U.S. Department of Energy, Office of Science — Jefferson Lab, Thomas Jefferson National Accelerator Facility — Operated by Jefferson Science Associates, LLC	
THIRD ANGLE PROJECTION	FINISH MACHINED SURFACES N/A; UNLESS OTHERWISE NOTED DEBURR & BREAK ALL SHARP EDGES	ESR2 RECOVERY SYSTEM C5 RECOVERY COMPRESSOR P & I DIAGRAM	
	DO NOT SCALE DRAWING	SIZE D; DWG. NO. 74520-0002	REV –
	DRAWN C. BUTLER 11MAR19	SCALE NONE; USED ON ASSY NO. 74520-0001; SHEET 1 OF 1	

Me10

Approved: 5/22/2019; E-Sign ID : 389259; signed by: Ap. 1: J. Matalevich; Ap. 2: R. Norton; Ap. 3: J. Wilson; Ap. 4: K. Dixon; Ap. 5: D. Arenius; C.: C. Perry; D: T. Fuell