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RH
TO RH-25712
P&ID-257A

RH-24118-6"-C1P1

NO POCKETS

PP

A1 101 X 491

B1 101 489 X

A2 491 X 490

B2 489 490 X

NOTE 8

RV 01

RV 02

C1P1 C3P1

1"

PI 03

P-24113-4"-C3P1

PP

P-24112-4"-C3P1

TI 10

TTI 10

TE 10 RTD

3"x4"

4"x3"

PP

P-24110-3"-C3P1

TO E-2411
P&ID-241B

TO FC-24005
P&ID-240A

MEOH STRIPPER FEED
TO PCV-24105
P&ID-243A

TO FFY-24201
PO FEED D-2413
P&ID-242A

TO FFY-24109
PO FEED D-2412
P&ID-241B

FROM E-2401
P&ID-240A

P-24015-2"-C3P1

240A-07

IA

XSV 04-(E)

HS 11-(E) CLOSE

NOTE 10

ATM

XCV 04-(E)

NOTE 11

TSO

1"D

NOTE 4

T=E

P-24015-2"-C3P1

02 03 04 01

241A-03
240A-07
241B-03
242A-01
240A-02
242B-01

XSV 03-(E)

ATM

XCV 03-(E)

NOTE 11

TSO

1"D

NOTE 4

C3P1
S3P3

CATALYST
FROM P-35106
P&ID-351A

P-35109-1½"-C3P1

TE

1½"x3"

PO
TO P-056
P&ID-1002-02

P-24108-1½"-C1P1

CSC

C1P1 C3P1

G-2411A
SEAL FAILURE

NOTE 12

XA 26

II 06

HS 01B START STOP

07

XI 01-(E) RUN

XS 01-(E)

M

PI 01

1"V

PO
FROM P-059
P&ID-1002-02

P-0095-3"-C1P2

P-24103-3"-C3P1

600#

600#

P-24105-2"-C3P1

C1P2 C3P1

G-2411A
NOTES 2,5

G-2411B
SEAL FAILURE

NOTE 12

XA 27

XI 02-(E) RUN

II 07

HS 02B START STOP

XS 02-(E)

PI 02

P-24102-3"-C1P2

P-24106-2"-C3P1

G-2411B
NOTES 2,5

P-24104-3"-C3P1

FIC 01

FCV 01

1"x½"

1"x1"

FT 01

P-24107-1½"-C3P1

LSL

1"D

APPROX. 500m

FA 02 REV FLOW

FS 02

FTI 02

FC 24102

FE 02

1½" COR.

FT 03-(E)

FS 03-(E)

04 NOTE 10

REV FLOW

FA 03-(E)

FAL 13-(E)

FSL 13-(E)

FT 13-(E)

FE 01

07

FI 03-(E)

COMMON PGE TRIPALARM

XA 24138

TO FFY 24004 IN
MEOH+PMZ/PO Ratio
P&ID-240A

TO FFY-35101
KAT/PO RATIO
P&ID-351A

REACTOR DRAIN
TO P-25501
P&ID-255A

P-24119-3"-C1P1

SLOPE 1:

TI 05

1½"V

TE 04 RTD

TIA 04

3"

1½"

TI 06

D-2411

TI 03

3"x1½"

TE 01 RTD

TIA 01

P-24121-4"-C3P1

TE 08 RTD

TT 08-(E)

TSLL 08-(E)

TJ 08-(E)

TALL 08-(E)

XA 24138 COMMON PGE TRIPALARM

01

H-2412

4"x3"

PT 05

PI 22

3"x1½"

C3P1 S3P3

XI 39A

TC 09

PC 05

XI 39

XT 39

XE 39

TTI 09

TE 09 RTD

P-24111-3"-C3P1

T=E

P-35109-1½"-S3P3

FFY 24104

% FEED D2411

FC 24104

FCV 04

FI 04

NOTE 3

S3P3 C3P1

XA 18-(E)

FA 05-(E) HH

FI 05-(E)

FSHH 05-(E)

FE 04

FT 04

FT 05-(E)

FFSL 05-(E)

RATIO MEOH/PO

XA 24138 COMMON PGE TRIPALARM

FFA 05-(E) LL

FROM FT-24006
TO E-2401
P&ID-240A

XSV 06-(E)

IA

ATM

NOTE 11

HS 12-(E) CLOSE

NOTE 10

XCV 06-(E)

TSO

NOTE 4

P-24115-1½"-C3P1

P-24114-2"-C3P1

TO
P&ID-241B

01 02 03 04 07

OVERRIDE FLOW TRIP

HS 03

240A-07
240A-02
241B-03
242A-01
242B-01

TO FCV-24205
PO FEED D-2414
P&ID-242B

NI
FROM NI-307
P&ID-1302-02

NI-0312-1"-C1P1

C1P1 C3P1

PI 19

PI 21

1"x½"

D

NOTE 7

LG 01

LG 03

PSL 18

PSL 20

2"

LSL 02

LSL 04

XA 26

XA 27

H-2410A

H-2410B

SEAL G-2411A

SEAL G-2411B

DETAIL "A" NOTE 6

NOTES :

1. REFER TO THE ENGINEERING FLOWSHEET LEGEND (P&ID-22108) FOR THE DESCRIPTION OF SYMBOLS AND ABBREVIATIONS.
2. REFER TO THE ENGINEERING FLOW DIAGRAM (P&ID-380A) FOR EFD DETAILS.
3. LOCATE CONTROL VALVE AT A MINIMUM DISTANCE FROM THE REACTOR INLET.
4. BACKFLOW PROTECTION SYSTEMS ARE TO BE LOCATED AT A MINIMUM DISTANCE FROM THE REACTOR INLET.
5. LOCATE PUMPS NEAR TO STORAGE TANKS F1041/F1042 FOR DETAILS OF THE SEALING SYSTEM SEE DETAIL "A".
6. PIPING AND INSTRUMENT CONNECTIONS ARE ½" VENTS. DRAINS AND N2 CONNECTIONS ARE ALL ½"NPT-F.
7. MAKE-UP LINE WITH QUICK COUPLING.
8. CASTELLOCK
9. REVERSE FLOW TO BE DETECTED BY THE DIFFERENTIAL PRESSURE
10. OVER THE FE, DP TRANSMITTER TO BE REVERSE MOUNTED. TO BE LOCATED IN C4 CONTROL ROOM.
11. XCV-03, 04 AND 06 ARE STOOMWEZEN ISOLATION VALVES.
12. PUMP TRIP AND SEAL FAILURE ALARMS IN OSBL CONTROL ROOM.

REV	BY	DATE	DESCRIPTION	CH'D	RV'W	CONSTR
0	FC/HS	21-10-'08	FIRST ISSUE			

DWG. TYPE : ARCOSOLV PLANT - ENGINEERING FLOWSHEET

REACTOR D-2411

DEP. No.	TAG PREFIX
2400	241

SCALE : None AUTOCAD DWG	DRAWING NUMBER	STATUS	REVISION
EWP	P&ID-CHECK TRAINING	ASB (AS BUILT)	0

ACAD - PID MENU