M5-018
1612-FG-01809-C3
FLUE GAS
FROM REFORMER

(1100)

M5-067
AC-D18
SEAL GAS
OXYGEN ANALYZER

M5-030
200-AA-03008-C4
AUXILIARY AIR

VORTEX

FT D72.1

FI D72.1

FY D72

RATIO

FC D72

SP

ZS D18 B

IA

AV D18

200 PL05

C4 C6

80 PL05

610

PIPING TO DESIGN LOOP
TO ENSURE MIXING

FLAME ARRESTER

200-NG-06501-C6

MIN.

(SEE DETAIL A)

150×80

FO D71.1

FO D71.3

FO D71.2

FO D71.4

200×150

150×200

80×50

50X80

(1100)

FLUE GAS AFTERBURNER

TE D69

TT D69

TI D69

(1100)

20 GA01

1612-FG-01809-C3

M5-032
80-NG-03202-C6
NATURAL GAS

ZS D74 A

ZS D74 B

IA

SOV D74

80 PL05

FT D72.2

15 BA06

FE D72.2

80×50

SDL D72

IA

50X80

FV D72

M5-084
250-PWS-08415-C1
COLD PROCESS
WATER SUPPLY

250×150

150 BF04

PI E49

15 BA05

150 CK06

FT E49

FE E49

FC E49

FAL
FSLL

IA

150 BF04

150 BF04

FV E49

150 BF04

150×250

EJ6501

N9

250×200

200

80 TYP.

150 TYP.
NOZZLE N5
QTY 10

PIPE EQUIP

N1

600ø
MANWAY

M1

N6

N3

B.O.P. EL. OF SG-06703
IS GREATER THAN
B.O.P. EL. OF SG-06503

SP07
NOTE 1

M5-066
600-SG-06503-C6
SEAL GAS
COMPRESSOR

TI D09

TT D09

TE D09

M5-067
300-SG-06703-C6
SEAL GAS
COMPRESSOR
RECYCLE

300×400

N2

N7

VENT

EL. 9293

SR-D01
SEAL GAS COOLER

OPERATING WATER LEVEL
APPROX. EL. 7293

10000
MINIMUM

317

T.O.P.

B.O.P.

32mm CPLG
W/PLUG

N4

SLOPE

SEE PIPING NOTE #4
ON DWG. M5-000

500X300
FOB

M5-076
300-PWR-06506-C1
INERT GAS
SUMP

500-PWR-06504-C1

1739

300-PWR-06505-C1

300X500

TP

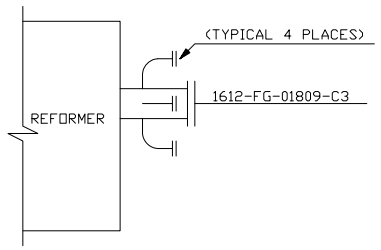
15 BA05

40 BA05

500×300
FOB

NOTES:

1. PIPING CONTRACTOR TO SUPPLY PADDLE BLINDS (SP07) PER DWG. M3-140



DETAIL A

REV.	DATE	DESCRIPTION	PURPOSE OF ISSUE	PREPARE	CHECK	APPROVE
Z	06/2019	AS BUILT	ASB	KHALILPOOR	SHAGHAGHI	MOHAMMAD ZADEH
5	01/2017	ISSUE FOR CONSTRUCTION	IFC	MMTE	SHAGHAGHI	MOHAMMAD ZADEH
4	10/2015	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
3	03/2015	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
2	09/2014	ISSUE FOR CONSTRUCTION	IFC	KHALILPOOR	PARVANI	KIOMARSI
1	08/2014	ISSUE FOR APPROVAL	IFA	KHALILPOOR	PARVANI	KIOMARSI

Project:
KOWSAR GISD MEGA MODULE PROJECT

Client: شرکت توسعه آهن و فولاد گل گهر G.I.S.D.Co

Contractor: شرکت مهندسی فن آوران معادن و فلزات MMTE MINES & METALS TECHNOLOGICAL ENGINEERING CO.

Client's Project	Project Code	Main Contractor	Area Code	Plant Group	Equipment Code	Document Type	Eng. Discipline	Serial No.
GISD	7-2	119	1002	7	AA	04	P	065

	SIGNATURE	DATE
DESIGNED	MMTE	01/2017
PREPARED	MMTE	01/2017
CHECKED	SHAGHAGHI	01/2017
APPROVED	MOHAMMAD ZADEH	01/2017

designation:
PIPING & INSTRUMENTATION DIAGRAM
SEAL GAS COOLER

drawing-No.
KCMMPG00M5065

repl. for:

repl. by :

SCALE: AS SHOWN | REV.: Z | SIZE: A3 | SHEET: 1/1 | CONT. & PROJ. NO: 92/5499

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