HOSE STATION @ MIDDLE BURDENFEEDER — 40 — BA05 — F — 40-PWS-08459-C1

HOSE STATION @ UPPER BURDENFEEDER — 40 — BA05 — F — 40-PWS-08458-C1

HOSE STATION @ LOWER BURDENFEEDER — 40 — BA05 — F — 40-PWS-08460-C1

M5-004 — 450-PWS-08402-C1 — TOP GAS SCRUBBER PROCESS GAS PACKING

M5-004 — 400-PWS-08403-C1 — TOP GAS SCRUBBER TOP GAS FUEL PACKING

M5-004 — 50-PWS-08408-C1 — F — TOP GAS SCRUBBER CONE DRAIN FLUSHING

HOSE STATION @ SAT LOWER SLIDE GATE — 40 — BA05 — F — 40-PWS-08461-C1

M5-004 — 400-PWS-08404-C1 — TOP GAS SCRUBBER RECYCLE PUMP SUCTION

700x450

700-PWS-08401-C1

HOSE STATION @ BOTTOM OF FURNACE NORTH (GRADE) — 40 — BA05 — 40-PWS-08462-C1 — F

HOSE STATION @ BOTTOM OF FURNACE SOUTH (GRADE) — 40 — BA05 — 40-PWS-08463-C1 — F

500-PWS-08416-C1

800x500

M5-083(1-2) — 800-PWS-08311-C1 — COLD PROCESS WATER SUPPLY

M5-103 — 100-PWS-08417-C1 — F — BOTTOM SEAL GAS BUBBLER

M5-135 — 65-PWS-08448-C1 — F — 65 — BA08 — OXIDE COATING SYSTEM

300-PWS-08439-C1

300-PWS-08440-C1 — 300 — BF04 — 15 — BA05 — PI E22.1 A — 300x150 FDT — 20 — BA05 — MN E07.1 — M — FD E07.1 — 150X250 — 25 — GL05 — FT — 25-PWS-08471-C1 — 250 — CK06 — 250 — BF04 — 250-PWS-08405-C1 — 25x15 — 25 — BA05

80# PIPE/TROUGH (C1) SPLIT IN HALF & CAP BOTH ENDS (TYP)

PU-E07.1
SCRUBBER VENTURI BOOSTER PUMP

300-PWS-08441-C1 — 300 — BF04 — 15 — BA05 — PI E22.2 A — 300x150 FDT — 20 — BA05 — MN E07.2 — M — FD E07.2 — 150X250 — 25 — GL05 — FT — 25-PWS-08472-C1 — 250 — CK06 — 250 — BF04 — 250-PWS-08406-C1 — 15x25 — 25 — BA05

PU-E07.2
SCRUBBER VENTURI BOOSTER PUMP (SPARE)

PAL E22 — PISL E22 — 15 — BA05

F — M5-061 — 150-PWS-08412-C1 — COOLING GAS SCRUBBER VENTURI THROAT SPRAY

M5-004 — 250-PWS-08407-C1 — TOP GAS SCRUBBER VENTURI THROAT SPRAY

F — M5-061 — 150-PWS-08411-C1 — COOLING GAS SCRUBBER SWIRL

M5-061 — 400-PWS-08413-C1 — COOLING GAS

500x400

100-PWS-08400-C1

F — 40-PWS-08450-C1 — 40 — BA05 — SCRUBBER PACKING HOSE STATION @ HEAT RECOVERY TRAIN #1 BOTTOM

F — 40-PWS-08456-C1 — 40 — BA05 — HOSE STATION @ EJECTOR STACK END OF REFORMER-BOTTOM

F — 40-PWS-08457-C1 — 40 — BA05 — HOSE STATION @ EJECTOR STACK END OF REFORMER-TOP

F — 40-PWS-08451-C1 — 40 — BA05 — HOSE STATION @ HEAT RECOVERY TRAIN #1 TOP

F — 40-PWS-08454-C1 — 40 — BA05 — HOSE STATION @ HEAT RECOVERY TRAIN #2 BOTTOM

F — 40-PWS-08452-C1 — 40 — BA05 — HOSE STATION @ EJECTOR STACK AREA

F — 40-PWS-08453-C1 — 40 — BA05 — HOSE STATION @ HEAT RECOVERY TRAIN #2 TOP

F — 40-PWS-08455-C1 — 40 — BA05 — HOSE STATION @ MAIN AIR BLOWER

F — M5-013 — 40-PWS-08475-C1 — WATER SEAL

F — M5-061 — 50-PWS-08410-C1 — COOLING GAS SCRUBBER FLUSHING

M5-019 — 300-PWS-08409-C1 — REFORMED GAS COOLER

400x300

F — 40-PWS-08464-C1 — 40 — BA05 — HOSE STATION @ SEAL GAS COMPRESSOR AREA

M5-083(2-2) — 400-PWS-08325-C1 — CLEAN COLD PROCESS SUPPLY WATER

400-PWS-08325-C1

400x500 FDT

500-PWS-08414-C1 — B.O.P. — 9000 MIN. — T.O.P. — EL. B.O.P. @ GRADE — 25 — BA05

500x400 FDT — 400x250 FDT

M5-065 — 250-PWS-08415-C1 — SEAL GAS COOLER

50-PWS-08467-C1 — 40x50 — L — F — 40 — BA05 — 40-PWS-08465-C1 — HOSE STATION @ FURNACE AREA END OF REFORMER-BOTTOM

F — 40 — BA05 — 40-PWS-08466-C1 — HOSE STATION @ FURNACE AREA END OF REFORMER-TOP

F — M5-088 — 50-PWS-08449-C1 — OUTDOOR — TRENCH — BLOWER AREA SUMP FILL LINE

40 — BA08 — F

M5-004 — 15-SW-08442-C1 — 15 — BA05 ET — PU-E17 TOP GAS SCRUBBER RECYCLE PUMP

M5-101 — 15-SW-08446-C1 — 15 — 15x25 — BA05 ET — PU-E22.2 PRODUCT COOLER DUST COLECTION SYSTEM

M5-101 — 15-SW-08447-C1 — 15 — ET — BA05 — PU-E22.1 PRODUCT COOLER DUST COLECTION SYSTEM

25-SW-08470-C1

40-SW-08422-C1

M5-104 — 15-SW-08444-C1 — 15 — BA05 ET — PU-E29.1 BOTTOM SEAL GAS DUST COLECTION

M5-104 — 15-SW-08445-C1 — 15 — ET — BA05 — PU-E29.2 BOTTOM SEAL GAS DUST COLECTION

25-SW-08443-C1

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	084

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

designation: PIPING & INSTRUMENTATION DIAGRAM PROCESS WATER DISTRIBUTION

drawing-No.: KGMMPG00M5084

repl. for: — repl. by :

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

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