NOTES:

1. INSTALL VALVE SO THAT VALVE CENTERLINE IS SAME AS CENTERLINE OF NOZZLE.
2. SHALL BE SUPPLIED BY SWITCH GEAR SUPPLIER.

M5-074
15-IP-07438-C6
IMPULSE PURGE FIC-H27

M5-055
850-DP-05508-C10
PRODUCT COOLER DISCHARGE AREA

RELIEF VENT

850-DP-05508-C10

PT H27 — PI H27 PSHH PAH

FIC H27

15x10 — 10 BA05

15 BA05

FC E40 FAL

FT E40 — FV E40 — FE E40

IA

80 BA08 — F — 80-PWS-10102-C1

TP 15 BA05

DETAIL A

25ø TP

HC

RELIEF VENT

MINIMUM

TI H24 1

FC E24 FAL FSLL

FT E24 — FV E24 — FE E24

150x80 — 80 BA08 — 80-PWS-10103-C1

250ø TP

DETAIL B

SR-H93
PRODUCT COOLER DUST COLLECTION SCRUBBER

250-DP-10116-C10

1000-DP-10106-C10

150-PWS-08504-C1

LIC E41 LAH LAL LSL

FO E41

40 BA05 — F — 40-PWS-10105-C1

IA — 40x25 — 25x40 — F.C.

LT E41 — LV E41

(S)

250A — 250A

40-PWS-10104-C1 — F — 40 BA05 — HOSE STATION AT PUMPS FOR FLUSHING

TOP OF WEIR

1270 Typ.

E.O.P.

200-SL-10115-C7 — OVERFLOW TO TRENCH

TK-E21
PRODUCT COOLER DUST COLLECTION SUMP

M5-085
150-PWS-08504-C1
HOT PROCESS WATER SUPPLY

F — 40-PWS-10124-C1

MN H92.1 — M — TE H33 7~8 BEARING — TE H33 1~6 WINDING

MCC NOTE 2

TT H33 7~8 — TT H33 1~6 — TI H33 1~8 — TI H33 — IT H33 — II H33 AHH AH

TI H30 2 TSHH TAH — TT H30 2 — TE H30 2

FLOATING — FIXED

VT H31 2 — VI H31 2 VSHH VAH

VT H31 1 — VI H31 1 VSHH VAH

TE H30 1 — TT H30 — TI H30 TSHH TAH

MN H92.2

PI H25 — TI H24 2 — M — ZS H92.1

NI — N2 — HC1

ZS H92.2 — MOV H92

ROUND TRANSITION DESIGNED BY VENDER

RECTANGLE TO ROUND TRANSITION DESIGNED BY VENDOR

M5-020 GAS SAMPLE — GAS ANALYSER AIT-H26

CP-H92
PRODUCT COOLER DUST COLLECTION FAN

25x100 — 25 BA05 — 25-DW-10117-C1 — TO TRENCH

TI H24 3

1000-DP-10107-C10

250-DP-10116-C10

VENT

100 Ø (TYPICAL 2 PLACES)

250 BH02

ST-H94
PRODUCT COOLER DUST COLLECTION STACK

200-SL-10110-C7 — 200x150 — FOB

150-SL-10111-C7

150-SL-10112-C7

M5-084
15-SW-08446-C1
SEAL WATER DISTRIBUTION

PU-E22.2
PRODUCT COOLER DUST COLLECTION SUMP PUMP (SPARE)

MN E22 2 — M — 150x125 — 100x150 — F — 150 — CK09 — 150 PN02 L.O. — 40 BA05

M5-084
15-SW-08447-C1
SEAL WATER DISTRIBUTION

PU-E22.1
PRODUCT COOLER DUST COLLECTION SUMP PUMP

MN E22 1

150-SL-10113-C7

PAL E39 — PISL E39

M5-081
150-SL-10114-C7
CLARIFIER

PIPE EQUIP.

80-PWS-10102-C1 — 25ø SPEC C1

DETAIL A
PRODUCT COOLER DUST COLLECTION SCRUBBER VENTURI SWIRL SECTION

80-PWS-10103-C1 — 80x50 — 50-PWS-10118-C1

TYP 4 (NOTE 1)

25-PWS-10119-C1

25-PWS-10120-C1

25-PWS-10122-C1

25-PWS-10121-C1

50-PWS-10123-C1

20ø VESSEL NOZZLE (XXS WALL) w/ 25mm x 20mm REDUCING FLANGE (TYP 4 PLACES)

DETAIL B
PRODUCT COOLER DUST COLLECTION SCRUBBER VENTURI THROAT SPRAY SECTION

REV.	DATE	DESCRIPTION	PURPOSE OF ISSUE	PREPARE	CHECK	APPROVE
6	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: G.I.S.D.Co. شرکت توسعه آهن و فولاد گل گهر

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

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	101

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

designation: PIPING & INSTRUMENTATION DIAGRAM PRODUCT COOLER DUST COLLECTION SYSTEM

drawing-No. KCMMPC00M5101

repl. for: — repl. by :

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

Confidential:This document discloses proprietary information. It may not be reproduced nor disclosed any person, nor used for any purpose, except wiht the written permission of MMTE Co