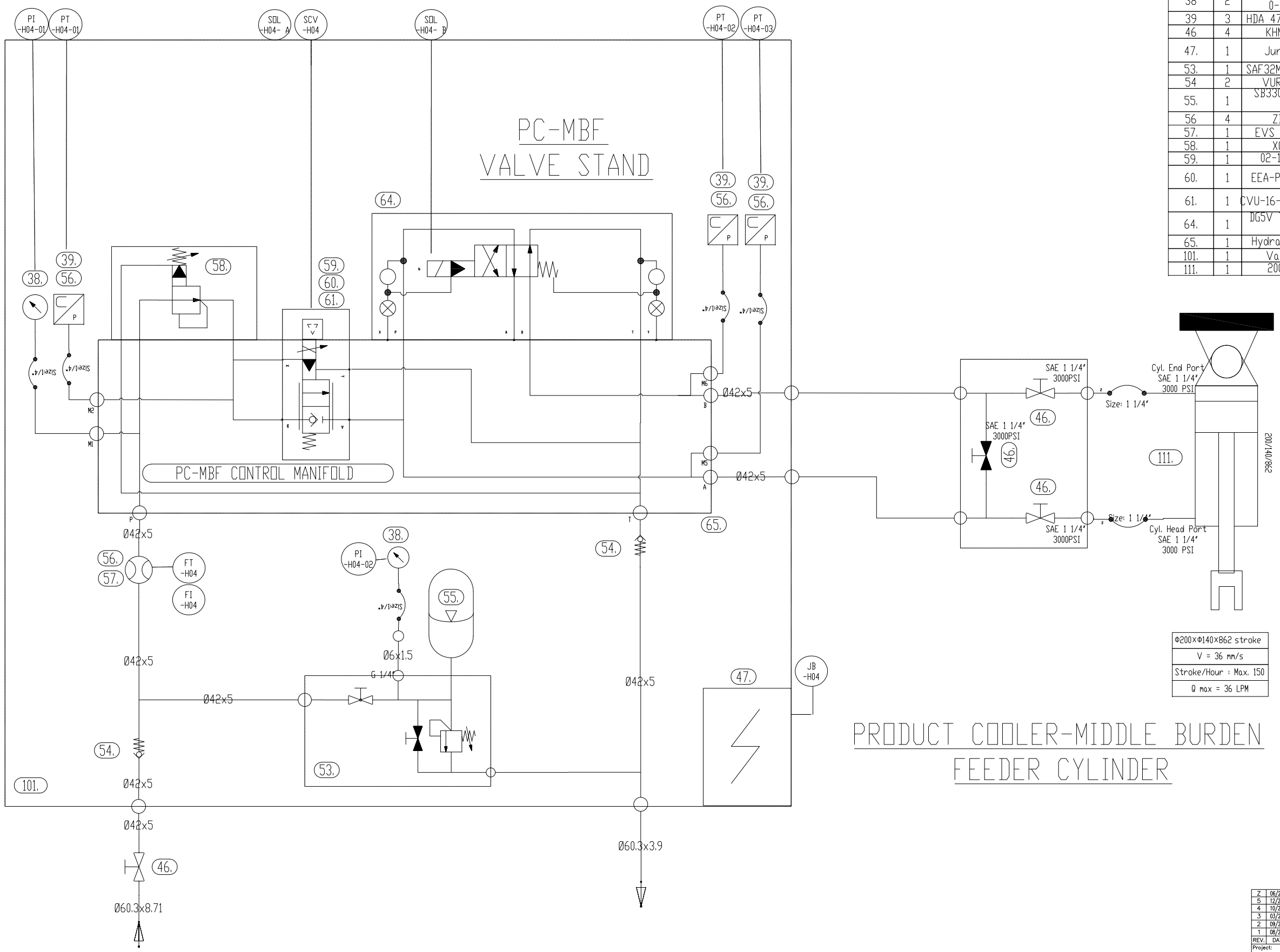

ITEM ID	QTY	MODEL CODE	MODEL FAMILY	MANUFACTURER
38	2	Pressure Gauge-0-250bar	Guage	WIKA
39	3	HDA 4746-A-400-000	Pressure Transmitter	Hydac
46	4	KHM32F311141	Ball Valve	Hydac
47.	1	Junction Box	Junction Box	Iranian Manufacturer
53.	1	SAF32M12T200A-S309	Safety Block	Hydac
54	2	VUR114SP1-15S	Check Valve	Oleoweb
55.	1	SB330-50A1/112U-330A	Accumulator	Hydac
56	4	ZBE 08-05	Female connector	Hydac
57.	1	EVS 3106-A-0300	Flow Meter	Hydac
58.	1	XG2V-6GW	Pressure Reducing Valve	Eaton Vickers
59.	1	02-104807(F32)	Card Holder	Eaton Vickers
60.	1	EEA-PAM-571-A-32	Proportional Valve Amplifier	Eaton Vickers
61.	1	CVU-16-EFP1-B29-19-3	Slip-in Cartridge	Eaton Vickers
64.	1	DG5V 7 2A 2 MU H7 30	Pilot Operated Directional Valve	Eaton-Vickers
65.	1	Hydraulic Manifold	Hydraulic Manifold	HK
101.	1	Valve Stand	Valve Stand	HK
111.	1	200/140/862	Hydraulic Cylinder	HK

Movement \ Output	SOL-H04-A	SOL-H04-B	SCV-H04
Up	Energized	De-Energized	4...20 mA
Down	Energized	Energized	4...20 mA
Non-Movement	De-Energized	-	-

Port Tag	Type & Size
M1...M6	G 1/4"
P	SAE 1 1/4" 3000PSI
A	SAE 1 1/4" 3000PSI
B	SAE 1 1/4" 3000PSI
T	SAE 1 1/4" 3000PSI

REV.	DATE	DESCRIPTION	PURPOSE OF ISSUE	PREPARE	CHECK	APPROVE
Z	06/2019	AS BUILT	ASB	KHALILPOOR	SHAGHAGHI	MOHAMMAD ZADEH
5	12/2016	ISSUE FOR CONSTRUCTION	IFC	MUSAVI	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 آور معادن و فلزات MINES & METALS TECHNOLOGICAL ENGINEERING CO. MMTE

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	112

	SIGNATURE	DATE
DESIGNED	MMTE	12/2016
PREPARED	MUSAVI	12/2016
CHECKED	SHAGHAGHI	12/2016
APPROVED	MOHAMMAD ZADEH	12/2016

designation: PIPING & INSTRUMENTATION DIAGRAM FURNACE EQUIPMENT HYDRAULIC SYSTEM

drawing-No. KCMMPC00M5112

repl. for: repl. by :

SCALE: AS SHOWN REV.: Z SIZE: A3 SHEET: 1/3

CONT. & PROJ. NO: 92/5499

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