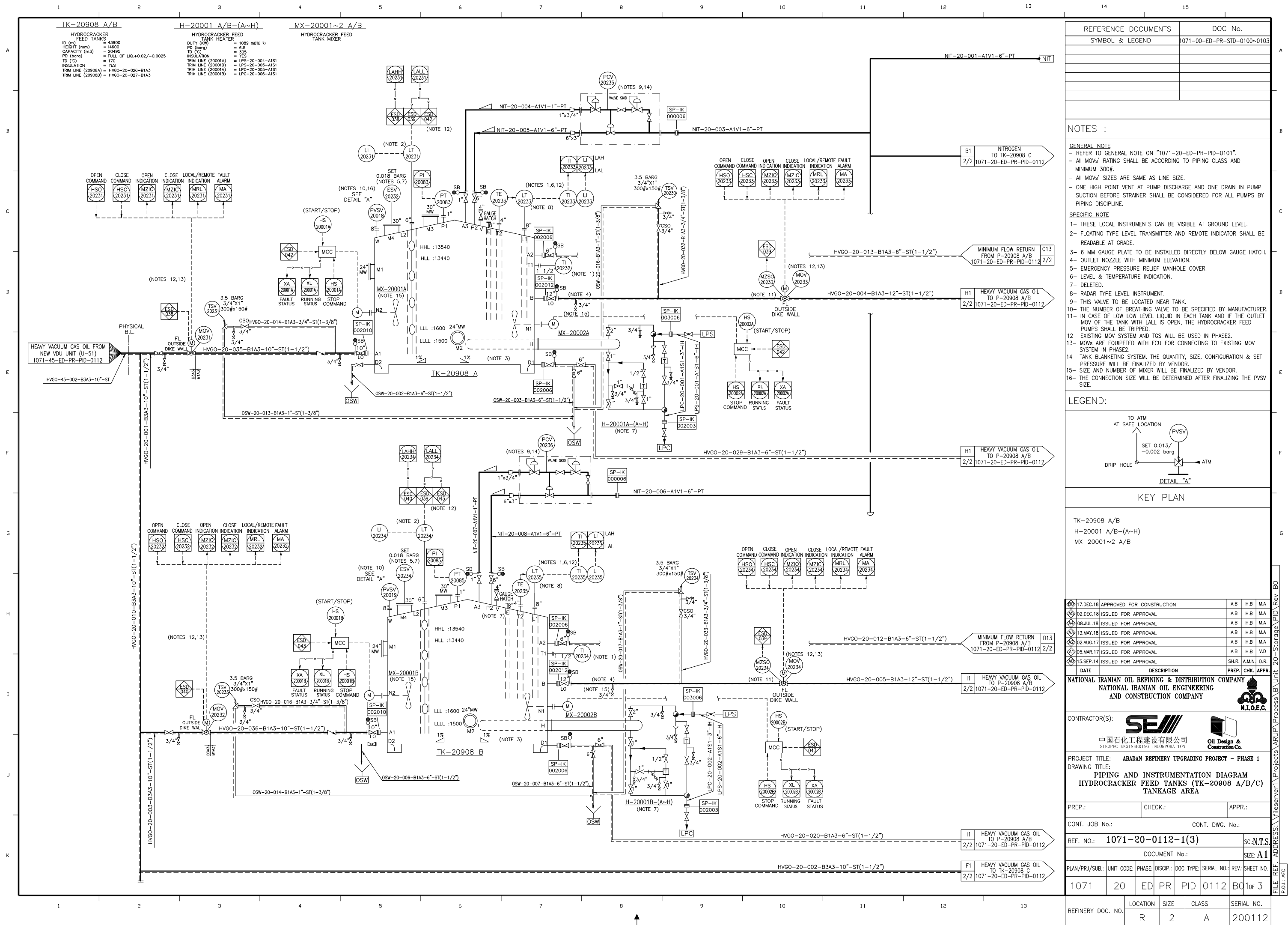
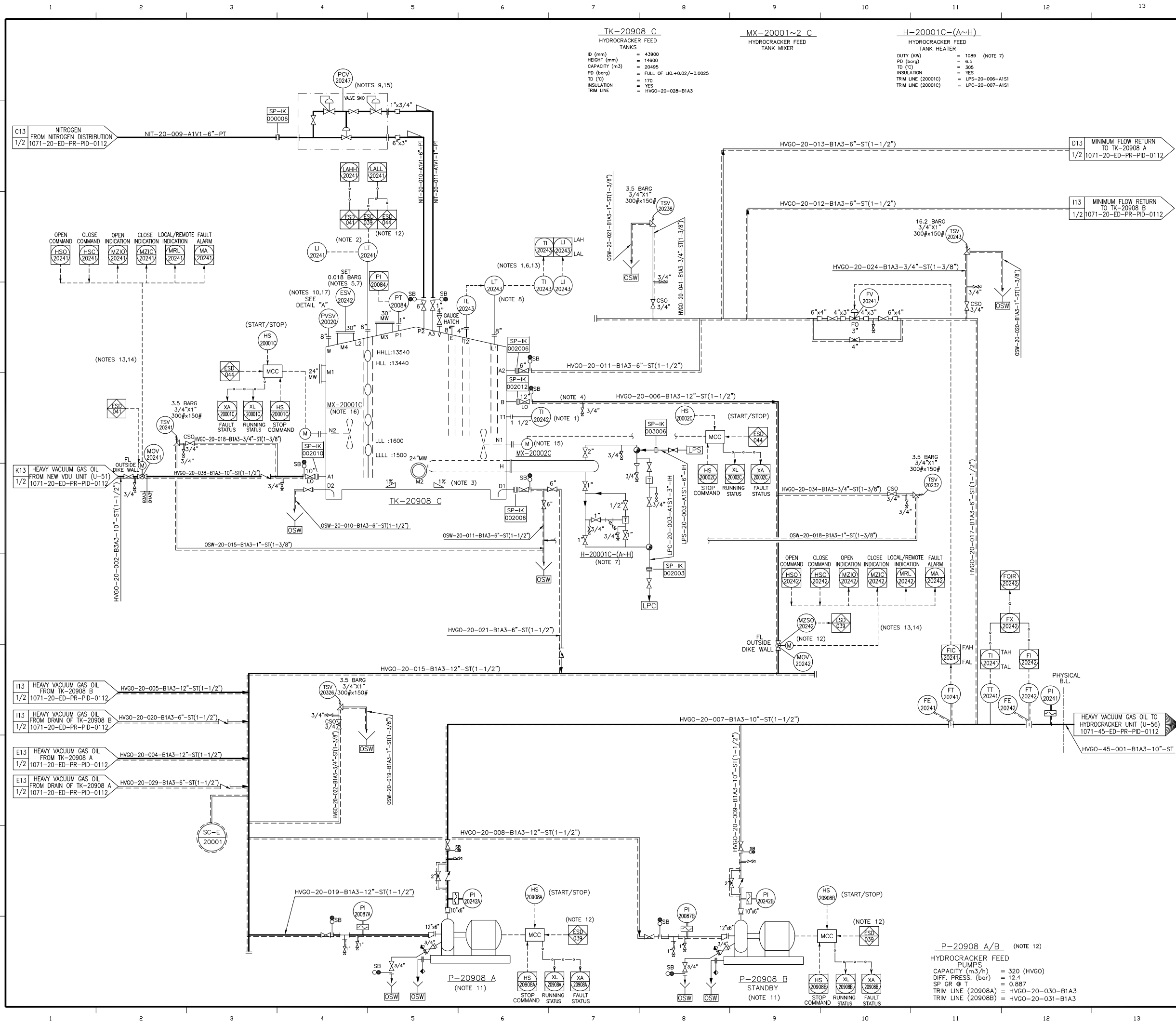
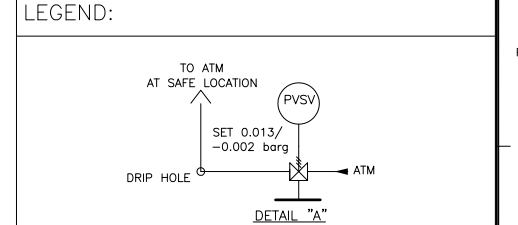






REFERENCE DOCUMENTS	DOC No.
SYMBOL & LEGEND	1071-00-ED-PR-STD-0100-0103

- NOTES :
- GENERAL NOTE
- REFER TO GENERAL NOTE ON "1071-20-ED-PR-PID-0101".
 - All MOVs' RATINGS SHALL BE ACCORDING TO PIPING CLASS AND MINIMUM 300#.
 - All MOVs' SIZES ARE SAME AS LINES SIZES.
 - ONE HIGH POINT VENT AT PUMP DISCHARGE AND ONE DRAIN IN PUMP SUCTION BEFORE STRAINER SHALL BE CONSIDERED FOR ALL PUMPS BY PIPING DISCIPLINE.
- SPECIFIC NOTE
- 1- THESE LOCAL INSTRUMENTS CAN BE VISIBLE AT GROUND LEVEL.
 - 2- FLOATING TYPE LEVEL TRANSMITTER AND REMOTE INDICATOR SHALL BE READABLE AT GRADE.
 - 3- 6 MM GAUGE PLATE TO BE INSTALLED DIRECTLY BELOW GAUGE HATCH.
 - 4- OUTLET NOZZLE WITH MINIMUM ELEVATION.
 - 5- EMERGENCY PRESSURE RELIEF MANHOLE COVER.
 - 6- LEVEL & TEMPERATURE INDICATION.
 - 7- DELETED.
 - 8- RADAR TYPE LEVEL INSTRUMENT.
 - 9- THIS VALVE TO BE LOCATED NEAR TANK.
 - 10- THE NUMBER OF BREATHING VALVE TO BE SPECIFIED BY MANUFACTURER.
 - 11- PUMP VENT AND DRAIN SYSTEM TO BE FINALIZED BY MANUFACTURER.
 - 12- IN CASE OF LOW LEVEL LIQUID IN EACH TANK AND IF THE OUTLET MOV OF THE TANK WITH LALL IS OPEN, THE HYDROCRACKER FEED PUMPS SHALL BE TRIPPED.
 - 13- EXISTING MOV SYSTEM AND TGS WILL BE USED IN PHASE2.
 - 14- MOVs ARE EQUIPPED WITH FIELD CONTROL UNIT (FCU) FOR CONNECTING TO EXISTING MOV SYSTEM IN PHASE2.
 - 15- TANK BLANKETING SYSTEM. THE QUANTITY, SIZE, CONFIGURATION & SET PRESSURE WILL BE FINALIZED BY VENDOR.
 - 16- SIZE AND NUMBER OF MIXER WILL BE FINALIZED BY VENDOR.
 - 17- THE CONNECTION SIZE WILL BE DETERMINED AFTER FINALIZING THE PVSU SIZE.



KEY PLAN

TK-20908 C	
P-20908 A/B	
H-20001C-(A~H)	
MX-20001~2 C	

REV.	DATE	DESCRIPTION	PREP.	CHK.	APPR.
17	DEC.18	APPROVED FOR CONSTRUCTION	AB	H.B	M.A
18	DEC.18	ISSUED FOR APPROVAL	AB	H.B	M.A
19	JUL.18	ISSUED FOR APPROVAL	AB	H.B	M.A
20	MAY.18	ISSUED FOR APPROVAL	AB	H.B	M.A
21	AUG.17	ISSUED FOR APPROVAL	AB	H.B	M.A
22	MAR.17	ISSUED FOR APPROVAL	AB	H.B	V.D
23	SEP.14	ISSUED FOR APPROVAL	SH.R	A.M.N	D.R.

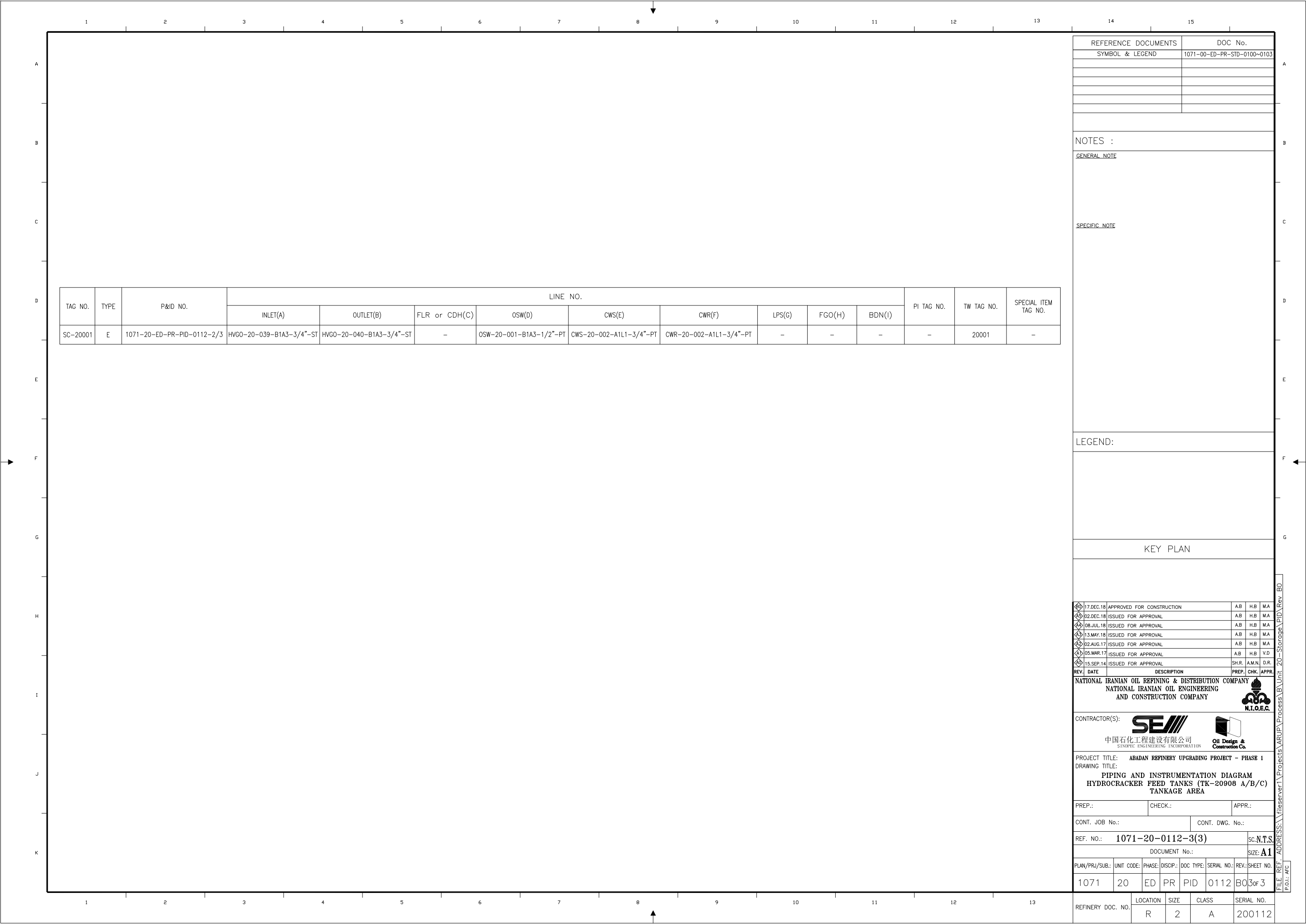
NATIONAL IRANIAN OIL REFINING & DISTRIBUTION COMPANY
AND CONSTRUCTION COMPANY

CONTRACTOR(S):
中国石化工程建设有限公司
SINOPEC ENGINEERING INCORPORATION

PROJECT TITLE: ABADAN REFINERY UPGRADING PROJECT - PHASE 1
DRAWING TITLE: PIPING AND INSTRUMENTATION DIAGRAM
HYDROCRACKER FEED TANKS (TK-20908 A/B/C)
TANKAGE AREA

PREP.:	CHECK.:	APPR.:
CONT. JOB No.:	CONT. DWG. No.:	
REF. NO.:	1071-20-0112-2(3)	SC.N.T.S.
DOCUMENT No.:		SIZE: A1
PLAN/PRJ/SUB.:	UNIT CODE: PHASE: DISCIP.:	DOC TYPE: SERIAL NO.:
1071	20	ED PR PID
		0112
		B02of3

REFINERY DOC. NO.	LOCATION	SIZE	CLASS	SERIAL NO.
	R	2	A	200112



REFERENCE DOCUMENTS			DOC No.	
SYMBOL & LEGEND			1071-00-ED-PR-STD-0100~0103	

NOTES :

GENERAL NOTE

SPECIFIC NOTE

LEGEND:

KEY PLAN

17.DEC.18	APPROVED FOR CONSTRUCTION	A.B	H.B	M.A
02.DEC.18	ISSUED FOR APPROVAL	A.B	H.B	M.A
08.JUL.18	ISSUED FOR APPROVAL	A.B	H.B	M.A
13.MAY.18	ISSUED FOR APPROVAL	A.B	H.B	M.A
02.AUG.17	ISSUED FOR APPROVAL	A.B	H.B	M.A
05.MAR.17	ISSUED FOR APPROVAL	A.B	H.B	V.D
15.SEP.14	ISSUED FOR APPROVAL	SH.R	A.M.N	D.R

NATIONAL IRANIAN OIL REFINING & DISTRIBUTION COMPANY
NATIONAL IRANIAN OIL ENGINEERING
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PROJECT TITLE: ABADAN REFINERY UPGRADING PROJECT - PHASE 1
DRAWING TITLE:
PIPING AND INSTRUMENTATION DIAGRAM
HYDROCRACKER FEED TANKS (TK-20908 A/B/C)
TANKAGE AREA

PREP.: CHECK.: APPR.:

CONT. JOB No.: CONT. DWG. No.:

REF. NO.: 1071-20-0112-3(3) SC.:N.T.S.

DOCUMENT No.: SIZE: A1

PLAN/PRJ/SUB.:	UNIT CODE:	PHASE:	DISCIP.:	DOC TYPE:	SERIAL NO.:	REV.:	SHEET NO.
1071	20	ED	PR	PID	0112	B0	3of 3

REFINERY DOC. NO.		LOCATION	SIZE	CLASS	SERIAL NO.
		R	2	A	200112

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P.O.I.: AFC