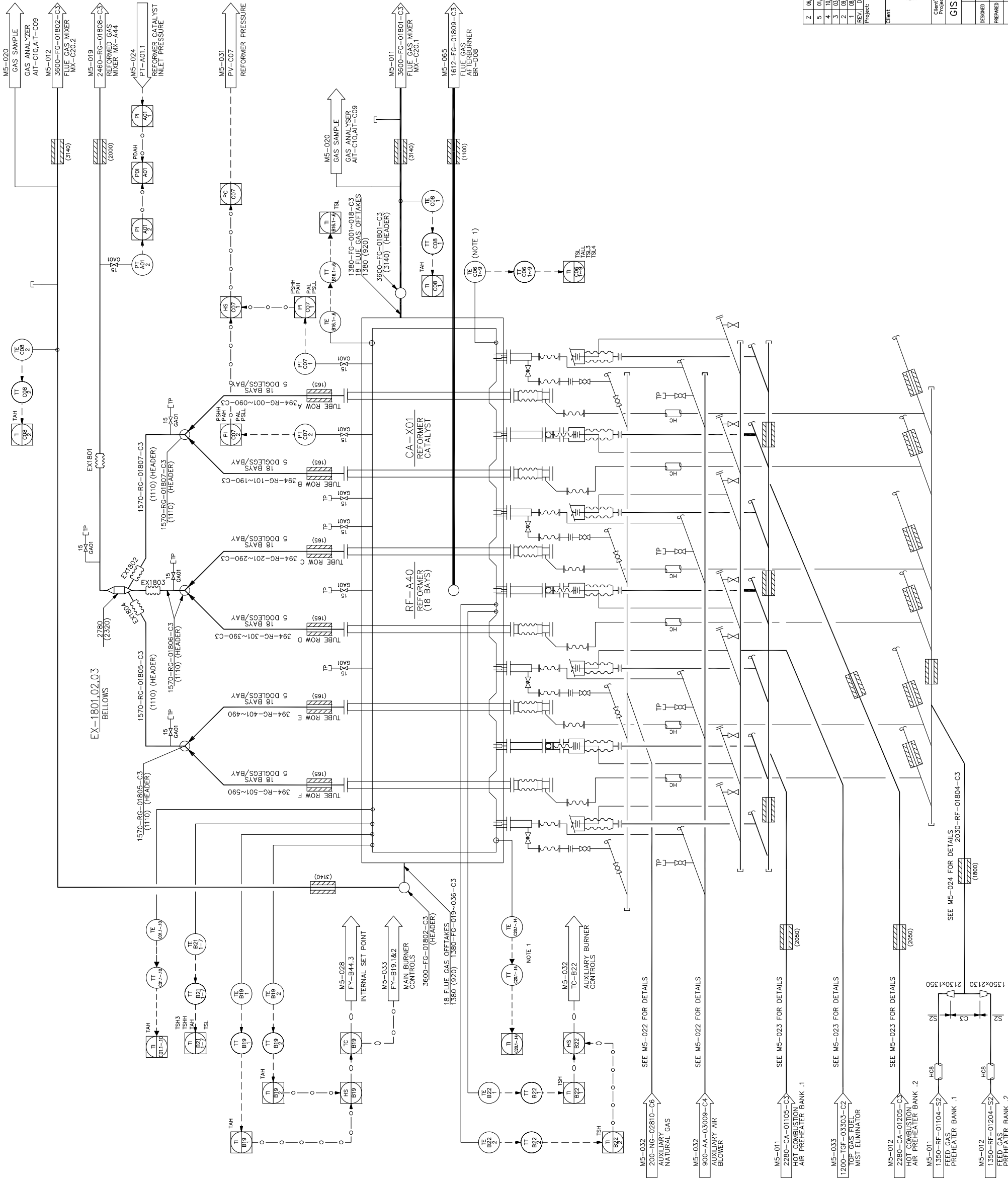


NOTES:

1. ACTUAL LOCATION OF TEMPERATURE & PRESSURE SENSING DEVICES, AUX. BURNERS, TYPE A & TYPE B BURNERS AND REFORMER TUBES ARE SHOWN ON THE REFORMER KEY PLAN ON DWG M5-021.

REFERENCE DRAWINGS:

- FOR DETAILS SEE THE FOLLOWING DRAWINGS
- M5-021 INSTRUMENTATION KEY PLAN
  - M5-022 AUXILIARY BURNER SYSTEM
  - M5-023 MAIN BURNER SYSTEM
  - M5-024 CATALYST TUBE SYSTEM



REFORMER INTERLOCK TEMPERATURES			
LOOP #	SET POINT	NUMBER OF OCCURRENCES REQUIRED	INTERLOCKED TO:
B21	H3 1175° C	2 OF 7	AUXILIARY BURNER NATURAL GAS
B21	H4 1150° C	2 OF 7	MAIN BURNER NATURAL GAS
C01	H 1140° C	1 OF 10	REFORMER HIGH TEMPERATURE ALARM
B21	L 1070° C	1 OF 2	PROCESS NATURAL GAS
C06	L 980° C	2 OF 9	SEAL GAS CONDITIONING, MAIN BURNER NATURAL GAS
C06	L 860° C	1 OF 9	REFORMER LOW TEMPERATURE ALARM
B22	H 815° C	1 OF 2	COMBUSTION AIR VALVE
C06	L3 815° C	2 OF 9	AUXILIARY BURNER NATURAL GAS, SEAL GAS COMPRESSOR, REFORMER FUELING
C06	L4 280° C	2 OF 9	RESTRICTED AUXILIARY BURNER NATURAL GAS FLOW



Client	Contractor
KOWSAR GISD MEGA MODULE PROJECT	KOWSAR GISD MEGA MODULE PROJECT

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	018
SIGNATURE								
DATE								
DESIGNED	MMTE	01/2017	PIPING & INSTRUMENTATION DIAGRAM					
PREPARED	MMTE	01/2017	REFORMER					
CHECKED	SHAGHAGHI	01/2017	Drawing-No. KGMMP000 M5018					
APPROVED	MMTE	01/2017	Scale: AS SHOWN					
repl. by :			SHEET: 1/1			CONT. & PROJ. NO: 92/5499		

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