 TORUS	· Owner P&ID LINE AND TAG REGISTER				Document No.	PRO-LST-101
					Revision / Date	A · September 29, 2026
					Issue purpose	Issued for Review
PROCESS · P&ID LINE AND TAG REGISTER						
Rev.	Date	Revision description	Prepared	Reviewed	Approved	
A	2026-09-29	Issued for Review				

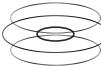
NOTES

1. This register lists every line number and every tag shown on the P&ID set, PRO-DWG-100 to PRO-DWG-113. It is compiled from the drawings themselves, so it matches them sheet for sheet.
2. Line numbers follow the format NPS-service-number-spec. Lines 1001 to 1080 are the station main lines; lines 1101 to 1199 are minor lines added on the P&IDs, reserved by sheet as shown on PRO-DWG-100.
3. P&ID sheets: 101 inlet, 102 filter separator, 103 meter skid, 104 analyzers, 105 line heater, 106 fuel gas, 107 control valves and overpressure protection, 108 outlet, 109 vent and blowdown, 110 drains and liquids, 111 safety instrumented system logic, 112 H-101 burner and burner management, 113 basic process control interlocks and alarms.
4. Tag source: B = equipment and instrument register of GEN-DB-001 Section 8; I = instrument or valve tag added beyond the basis register and carried in the instrument index INS-LST-001; P = minor item added on the P&IDs only (isolation, drain and vent valves, gauges, computing functions).
5. Of the 130 tags in GEN-DB-001 Section 8, 127 appear on the P&IDs; the 3 that do not are listed in Table 3 with the reason. The P&IDs add 127 tags. Of the 240 tags in INS-LST-001, 240 appear on the P&IDs.
6. All 32 main line labels appear on at least one sheet. Line 1060 carries two labels because it changes size and spec at the LCV-104 station.

LINE LIST

Table 1: Line List

Line number	NPS	Service	Spec	From	To	P&ID sheets	Type
12"-G-1001-A6	12	Gas	A6	IJ-101 (Owner lateral)	PR-101 / SDV-101	101	Main
12"-G-1002-A6	12	Gas	A6	SDV-101	V-101 inlet	101, 102	Main
12"-G-1003-A6	12	Gas	A6	V-101 outlet	Meter inlet header 1010	102, 103	Main
12"-G-1004-A6	12	Gas	A6	Line 1002 (V-101 bypass, LC)	Line 1003	102	Main
12"-G-1010-A6	12	Gas	A6	Line 1003	Meter runs MR-110 / MR-120 inlet	103	Main
10"-G-1011-A6	10	Gas	A6	Header 1010	Header 1020 (meter run 1, MR-110)	103	Main
10"-G-1012-A6	10	Gas	A6	Header 1010	Header 1020 (meter run 2, MR-120)	103	Main
10"-G-1015-A6	10	Gas	A6	Run 1 outlet (1011)	Run 2 inlet (1012), series crossover MOV-115	103	Main
12"-G-1020-A6	12	Gas	A6	Meter outlet header	H-101 inlet	103, 105	Main
12"-G-1021-A6	12	Gas	A6	Line 1020 (H-101 bypass)	Line 1022	105	Main
12"-G-1022-A6	12	Gas	A6	H-101 outlet	Control valve inlet header (coincident design 1,360 psig at 200 F)	105, 107	Main
12"-G-1031-A6	12	Gas	A6	Header 1022	Header 1033 (FCV-131 branch, 12 x 8 reducers at valve)	107	Main
12"-G-1032-A6	12	Gas	A6	Header 1022	Header 1033 (FCV-132 branch, 12 x 8 reducers at valve)	107	Main
12"-G-1033-A6	12	Gas	A6	Control valve outlet header	SDV-102	107	Main
12"-G-1040-A6	12	Gas	A6	SDV-102	CKV-171 / SDV-103	107, 108	Main
12"-G-1041-A6	12	Gas	A6	SDV-103	IJ-102	108	Main
12"-G-1042-A6	12	Gas	A6	IJ-102	tap valve (buried, about 96 ft, 0.500 in WT)	108	Main
2"-F-1050-A6	2	Fuel gas	A6	Line 1003 (fuel take-off)	E-161 / PCV-161	102, 106	Main
2"-F-1051-A1	2	Fuel gas	A1	PCV-162 (via header 1152, SDV-165)	H-101 burner / pilot	106	Main
1"-F-1052-A1	1	Fuel gas	A1	PCV-162 (via header 1152)	G-101 standby generator	106	Main
2"-L-1060-A6	2	Liquids	A6	V-101 liquid barrel	LCV-104 station (SDV-106, RO-104, LCV-104)	102	Main
4"-L-1060-D1	4	Liquids	D1	LCV-104 station outlet (spec break)	T-101	102, 110	Main
2"-L-1061-A6/D1	2	Liquids	A6/D1	PR-101 drain	T-101	101, 110	Main
8"-V-1070-S1	8	Vent	S1	Vent header	VS-101	109	Main

TORUS		· Owner P&ID LINE AND TAG REGISTER				Document No.	PRO-LST-101
						Revision / Date	A · September 29, 2026
						Issue purpose	Issued for Review
PROCESS · P&ID LINE AND TAG REGISTER							
Line number	NPS	Service	Spec	From	To	P&ID sheets	Type
3"-V-1071-S1	3	Vent	S1	PSV-101 outlet	Header 1070	102, 109	Main
4"-V-1072-S1	4	Vent	S1	RO-181 outlet (BDV-181)	Header 1070	101, 109	Main
4"-V-1073-S1	4	Vent	S1	RO-182 outlet (BDV-182)	Header 1070	105, 109	Main
2"-V-1074-S1	2	Vent	S1	RO-183 outlet (BDV-183)	Header 1070	108, 109	Main
2"-V-1075-S1	2	Vent	S1	RO-102 outlet (BDV-102, PR-101 barrel vent)	Header 1070	101, 109	Main
2"-V-1076-S1	2	Vent	S1	PSV-157 outlet	Header 1070	105, 109	Main
2"-V-1077-S1	2	Vent	S1	PSV-161 outlet	Header 1070	106, 109	Main
3/8"-G-1080-T1	3/8	Gas	T1	SP-141	B-101 analyzers (via SDV-141 / RO-141A)	103, 104	Main
8"-G-1101-A6	8	Gas	A6	PR-101 barrel kicker nozzle (NPS 16 x 8 reducing tee)	Line 1001 downstream of HV-101A	101	Minor
2"-G-1102-A6	2	Gas	A6	Line 1001 upstream of HV-101B	PR-101 barrel (equalizing bypass)	101	Minor
1"-G-1103-A6	1	Gas	A6	Line 1001 upstream of SDV-101	Line 1002 (SDV-101 equalizing bypass, HV-101H)	101	Minor
2"-L-1110-A6/D1	2	Liquids	A6/D1	V-101 filter section drain (HV-104D/E)	Line 1060 downstream of LCV-104	102	Minor
1"-V-1120-S1	1	Vent	S1	MOV DBB body bleeds	Vent header 1070 (DWG-109)	103, 109	Minor
1/2"-V-1121-T1	1/2	Vent	T1	PSV-141B outlet	Bleed header 1120 (to vent header 1070)	103	Minor
1/2"-V-1130-T1	1/2	Vent	T1	SMP-146 purge / pump vent	Atmosphere above B-101 roof	104	Minor
1/2"-V-1131-T1	1/2	Vent	T1	AT-141 sample and carrier vent	Atmosphere above B-101 roof	104	Minor
1/2"-V-1132-T1	1/2	Vent	T1	AT-142 vent	Atmosphere above B-101 roof	104	Minor
1/2"-V-1133-T1	1/2	Vent	T1	AT-143 vent	Atmosphere above B-101 roof	104	Minor
1/2"-V-1134-T1	1/2	Vent	T1	AT-144 vent	Atmosphere above B-101 roof	104	Minor
1/2"-V-1135-T1	1/2	Vent	T1	PSV-141G outlet and sample bypass FI-141C	Atmosphere above B-101 roof	104	Minor
1/4"-G-1136-T1	1/4	Gas	T1	PCV-141E outlet (conditioned sample)	AT-141 to AT-144 inlets	104	Minor
1/4"-G-1137-T1	1/4	Gas	T1	Helium carrier cylinder PCV-141K	AT-141 GC carrier inlet	104	Minor
1/4"-G-1138-T1	1/4	Gas	T1	Calibration gas cylinder PCV-141M	AT-141 GC calibration stream	104	Minor
1/4"-G-1139-T1	1/4	Gas	T1	SP-141 full-pressure port	SMP-146 composite sampler (DWG-104)	103, 104	Minor
1"-F-1140-A1	1	Fuel gas	A1	Line 1051 (downstream of HV-150A)	H-101 main burner	112	Minor
1/2"-F-1141-A1	1/2	Fuel gas	A1	Line 1051 (pilot take-off)	H-101 pilot burner	112	Minor
2"-F-1151-A1	2	Fuel gas	A1	PCV-161 outlet	PCV-162 inlet	106	Minor
2"-F-1152-A1	2	Fuel gas	A1	PCV-162 outlet (FT-163, PT-164)	Split to lines 1051 / 1052	106	Minor
3/4"-V-1160-S1	3/4	Vent	S1	TSV-136 outlet	Vent header 1070	107, 109	Minor
1"-V-1161-S1	1	Vent	S1	HV-133D (line 1033 vent)	Vent header 1070	107, 109	Minor
1"-G-1162-A6	1	Gas	A6	Line 1033 upstream of SDV-102	Line 1040 (SDV-102 equalizing bypass HV-102H)	107	Minor
2"-V-1170-S1	2	Vent	S1	HV-172A / RO-172B (1041/1042 blowdown)	Header 1070	108, 109	Minor
1"-G-1171-A6	1	Gas	A6	Line 1040 upstream of SDV-103	Line 1041 (SDV-103 equalizing bypass HV-103H)	108	Minor
4"-L-1190-D1	4	Liquids	D1	T-101 inlet manifold (lines 1060, 1061)	T-101 roof inlet nozzle	110	Minor
3"-L-1191-D1	3	Liquids	D1	T-101 loadout nozzle	Truck loadout connection	110	Minor
2"-L-1192-D1	2	Liquids	D1	T-101 bottom drain / water draw	Plugged outlet inside containment (vacuum truck)	110	Minor
4"-L-1193-D1	4	Liquids	D1	Secondary containment sump	Grade (stormwater, after inspection)	110	Minor

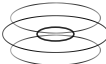


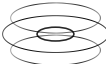
PROCESS · P&ID LINE AND TAG REGISTER

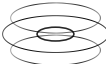
TAG LIST

Table 2: Tag List

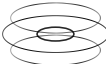
Tag	Description	P&ID sheets	Source
AE-141	Gas chromatograph analyzing element (column / detector)	104	B
AT-141	Gas chromatograph, C6+ BTU	104, 113	B
AT-142	Water vapor analyzer (tunable diode laser)	104, 113	B
AT-143	H2S analyzer	104, 113	B
AT-144	O2 analyzer (electrochemical, ppm)	104, 113	B
B-101	ANALYZER SHELTER	104	B
BDV-102	PR-101 barrel vent (manual) to VS-101	101, 109	B
BDV-181	Inlet section blowdown, manual ball	101, 109	B
BDV-182	Meter and heater section blowdown, manual ball	105, 109	B
BDV-183	Outlet section blowdown (SDV-102 to SDV-103), manual ball	108, 109	B
BE-153A	H-101 burner flame detector A (flame rod), 1oo2 with BE-153B	112	I
BE-153B	H-101 burner flame detector B (UV scanner, self-checking, diverse)	112	I
BE-213	H-101 burner area fire detector UV/IR	111	I
BMS-150	BURNER AND BURNER MANAGEMENT	105, 112	B
BY-153	H-101 pilot igniter (spark)	112	I
CKV-171	STATION OUTLET CHECK VALVE	108	B
E-161	FUEL GAS PREHEATER (NOTE 3)	106	I
EF-101A	B-101 ventilation exhaust fan, 250 cfm, duty / standby	104	P
EF-101B	B-101 ventilation exhaust fan, 250 cfm, duty / standby	104	P
EV-193	T-101 16 in emergency vent (pressure-relief manway)	110	I
FA-193	T-101 flame arrestor	110	B
FC-111	Flow conditioner, perforated plate, AGA 9 installation-effects tested	103	B
FC-121	Flow conditioner, perforated plate, AGA 9 installation-effects tested	103	B
FCV-131	Flow control valve, duty, electric modulating, NPS 8	107	B
FCV-132	Flow control valve, standby, electric modulating, NPS 8	107	B
FE-111	Ultrasonic meter, multipath, AGA 9 (meter body)	103	B
FE-121	Ultrasonic meter, multipath, AGA 9 (meter body)	103	B
FG-101	FUEL GAS SKID	106	B
FI-141C	Variable-area flow indicator	104	I
FI-141J	Variable-area flow indicator	104	I
FI-142B	Variable-area flow indicator	104	I
FI-143B	Variable-area flow indicator	104	I
FI-144B	Variable-area flow indicator	104	I
FIC-131	Station flow controller, setpoint from nomination	107	B
FQI-110	DUAL-RUN FLOW COMPUTER (IN B-102)	103	B
FSL-208	B-101 ventilation airflow low (safety PLC)	104, 111, 113	B

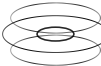
TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets	Source	
FT-111	Run 1 ultrasonic meter transmitter (signal processing unit)	103	B	
FT-121	Run 2 ultrasonic meter transmitter (signal processing unit)	103	B	
FT-163	Fuel gas Coriolis meter, Owner allocation	106	B	
FY-131	Low-select FIC-131 / PIC-134 to duty control valve	107	I	
G-101	Standby natural-gas generator	106	B	
GD-205	Combustible gas detector, B-101	111	B	
GD-206	Combustible gas detector, B-101	111	B	
GD-207	Combustible gas detector, B-102 HVAC intake	111	B	
H-101	INDIRECT-FIRED WATER-BATH LINE HEATER (API 12K)	105	B	
HS-101	SDV-101 local close / reset station	101	B	
HS-102	SDV-102 local station (close / OPSS reset, key)	107	I	
HS-103	SDV-103 local station (close / reset)	108	I	
HS-106	SDV-106 local reset station	102	I	
HS-165	SDV-165 local reset station	106	I	
HS-200	Station ESD / SIS reset (SCADA and local)	111	I	
HS-201	Station ESD pushbutton, main gate	111	B	
HS-202	Station ESD pushbutton, B-102	111	B	
HS-203	Station ESD pushbutton, meter skid	111	B	
HS-204	Station ESD pushbutton, heater	111	B	
HS-215	remote shutdown command (from RTU via JB-W01)	108, 111	I	
HV-101A	PR-101 mainline bypass valve (receiving: throttled / closed)	101	I	
HV-101B	PR-101 barrel (trap) valve, full bore, gear operated	101	I	
HV-101C	PR-101 kicker (barrel outlet) valve	101	I	
HV-101D	PR-101 barrel pressurizing / equalizing valve	101	I	
HV-101E	PR-101 barrel drain, isolation	101	I	
HV-101F	PR-101 barrel drain, throttling	101	I	
HV-101G	PSV-101 inlet isolation (car sealed open)	102	I	
HV-101H	SDV-101 equalizing bypass, NPS 1 Class 600 globe	101	I	
HV-102H	SDV-102 equalizing bypass, NPS 1 Class 600 globe	107	I	
HV-103A	V-101 inlet isolation valve	102	I	
HV-103B	V-101 outlet isolation valve	102	I	
HV-103C	V-101 bypass valve, upstream (locked closed)	102	I	
HV-103D	V-101 bypass valve, downstream (locked closed)	102	I	
HV-103H	SDV-103 equalizing bypass, NPS 1 Class 600 globe	108	I	
HV-104A	LCV-104 upstream isolation	102	I	
HV-104B	LCV-104 downstream isolation	102	I	
HV-104C	LCV-104 manual bypass (throttling)	102	I	
HV-104D	V-101 filter section drain, isolation	102	I	
HV-104E	V-101 filter section drain, throttling	102	I	
HV-111A	MOV-111 body bleed valve (DBB)	103	I	

TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets		Source
HV-112A	MOV-112 body bleed valve (DBB)	103	I	
HV-115A	MOV-115 body bleed valve (DBB)	103	I	
HV-121A	MOV-121 body bleed valve (DBB)	103	I	
HV-122A	MOV-122 body bleed valve (DBB)	103	I	
HV-131A	FCV-131 upstream isolation, NPS 12	107	B	
HV-131B	FCV-131 downstream isolation, NPS 12	107	B	
HV-132A	FCV-132 upstream isolation, NPS 12	107	B	
HV-132B	FCV-132 downstream isolation, NPS 12	107	B	
HV-133D	Line 1033 maintenance vent to VS-101	107, 109	I	
HV-141A	Sample conditioning inlet isolation	104	I	
HV-141D	Sample bypass (speed loop) needle valve	104	I	
HV-141H	AT-141 sample inlet needle valve	104	I	
HV-142A	AT-142 sample inlet needle valve	104	I	
HV-143A	AT-143 sample inlet needle valve	104	I	
HV-144A	AT-144 sample inlet needle valve	104	I	
HV-146A	SMP-146 inlet isolation	104	I	
HV-150A	H-101 burner fuel manual isolation	112	I	
HV-158A	H-101 inlet valve	105	B	
HV-158B	H-101 outlet valve	105	B	
HV-158C	H-101 bypass valve	105	B	
HV-161A	Fuel gas take-off root valve	102	I	
HV-161B	FG-101 inlet isolation	106	I	
HV-161C	PCV-161 upstream isolation	106	I	
HV-161D	FG-101 filter drain valve	106	I	
HV-162A	PCV-162 upstream isolation	106	I	
HV-162B	PCV-162 downstream isolation	106	I	
HV-165A	H-101 fuel supply isolation	106	I	
HV-165B	G-101 fuel supply isolation	106	I	
HV-172A	Outlet lateral (1041/1042) maintenance blowdown valve	108, 109	I	
HV-180A	VS-101 base 2 in drain valve with plug	109	I	
HV-180B	VS-101 purge / snuffing connection valve	109	I	
HV-191A	T-101 inlet isolation valve	110	I	
HV-191B	T-101 inlet isolation valve	110	I	
HV-191D	T-101 loadout isolation valve	110	I	
HV-191E	Truck loadout valve	110	I	
HV-191F	T-101 bottom drain / water draw valve	110	I	
HV-191G	Secondary containment drain valve	110	I	
IJ-101	STATION INLET INSULATING JOINT	101	B	
IJ-102	STATION OUTLET INSULATING JOINT	108	B	
LCV-104	V-101 SUMP DUMP VALVE	102	B	

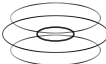
 TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets	Source	
LG-104	V-101 sump level gauge (magnetic)	102	B	
LG-154A	H-101 bath / expansion tank level gauge	105	I	
LG-191A	T-101 local level gauge (float and board)	110	I	
LIC-104	V-101 sump level controller (RTU)	102	B	
LSH-154B	H-101 bath / expansion high level, coil leak (BMS trip)	105	I	
LSHH-105	V-101 high-high level (trips SDV-101)	102, 111	B	
LSHH-192	T-101 high-high level	110, 111	B	
LSL-154	H-101 low bath level (BMS trip)	105	B	
LSLL-106	V-101 low-low level (closes LCV-104)	102, 111	B	
LT-104	V-101 sump level transmitter	102, 113	B	
LT-191	T-101 level transmitter (radar)	110, 113	B	
MOV-111	Run 1 inlet isolation, electric motor-operated, DBB	103	B	
MOV-112	Run 1 outlet isolation, electric motor-operated, DBB	103	B	
MOV-115	Series-verification crossover valve, normally closed, locked	103	B	
MOV-121	Run 2 inlet isolation, electric motor-operated, DBB	103	B	
MOV-122	Run 2 outlet isolation, electric motor-operated, DBB	103	B	
MR-110	METER RUNS 1 AND 2 (2 x 100 %)	103	B	
MR-120	METER RUNS 1 AND 2 (2 x 100 %)	103	B	
PCV-141E	Sample conditioning pressure regulator	104	I	
PCV-141K	Carrier gas two-stage regulator	104	I	
PCV-141M	Calibration gas two-stage regulator	104	I	
PCV-150	H-101 pilot gas regulator	112	I	
PCV-161	Fuel gas first-cut regulator, 150 psig	106	B	
PCV-162	Fuel gas second-cut regulator	106	B	
PDI-103A	V-101 filter DP local gauge (on PDIT-103 3-valve manifold)	102	I	
PDI-161A	FG-101 filter differential pressure gauge	106	I	
PDIT-103	V-101 filter section differential pressure	102	B	
PI-101	Inlet local pressure gauge	101	B	
PI-102	PR-101 barrel pressure gauge	101	B	
PI-103	V-101 local pressure gauge	102	B	
PI-113	Meter inlet header local pressure gauge	103	I	
PI-115A	MOV-115 body-cavity bleed pressure gauge (seal check)	103	I	
PI-137	Control valve outlet local pressure gauge	107	I	
PI-138	Pressure gauge between SDV-102 and SDV-103	107	I	
PI-141F	Conditioned sample pressure gauge	104	I	
PI-156A	H-101 gas outlet local pressure gauge	105	I	
PI-161A	Fuel gas pressure downstream of PCV-161	106	I	
PI-162A	Fuel gas supply pressure gauge downstream of PCV-162	106	I	
PI-174	Outlet local pressure gauge	108	B	
PIC-134	Outlet pressure override controller	107	B	



 TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets		Source
PR-101	INLET PIG RECEIVER	101	B	
PSH-164B	Burner fuel high pressure (BMS trip, manual reset)	112	I	
PSL-141L	Carrier gas low pressure, alarm to RTU	104, 113	I	
PSL-164A	Burner fuel low pressure (BMS trip, manual reset)	112	I	
PSV-101	V-101 RELIEF VALVE, FIRE CASE	102, 109	B	
PSV-141B	Sample line relief at SP-141 regulator outlet, set 50 psig ()	103	I	
PSV-141G	Sample system relief	104	I	
PSV-157	HEATER COIL RELIEF VALVE	105, 109	B	
PSV-161	FUEL GAS LOW-PRESSURE RELIEF	106, 109	B	
PT-101	Station inlet pressure, SCADA	101	B	
PT-102A	PR-101 barrel pressure (closure warning, SCADA indication)	101	I	
PT-111	Run 1 static pressure at meter pressure tap, absolute (psia)	103	B	
PT-121	Run 2 static pressure at meter pressure tap, absolute (psia)	103	B	
PT-133A	OPSS pressure transmitter A (2oo3, safety PLC)	107, 111	B	
PT-133B	OPSS pressure transmitter B (2oo3, safety PLC)	107, 111	B	
PT-133C	OPSS pressure transmitter C (2oo3, safety PLC)	107, 111	B	
PT-134	Outlet pressure transmitter for PIC-134 override (BPCS)	107, 113	B	
PT-164	Fuel gas pressure	106	B	
PT-172	Station outlet pressure, SCADA	108	B	
PVRV-193	T-101 pressure-vacuum relief valve	110	B	
PY-133	OPSS 2oo3 voting and PAHH trip function in safety PLC	107	I	
RO-102	PR-101 barrel vent restriction orifice, 3/16 in	101	I	
RO-104	Restriction orifice on 1060, limits blow-by to T-101 vent capacity	102	I	
RO-141A	Sample line restriction orifice 1/32 in	104	I	
RO-172B	Outlet lateral blowdown restriction orifice	108	I	
RO-181	Inlet section blowdown restriction orifice	101	B	
RO-182	Meter and heater section blowdown restriction orifice	105	B	
RO-183	Outlet section blowdown restriction orifice	108	B	
SDV-101	STATION INLET SHUTDOWN VALVE	101	B	
SDV-102	OPSS SHUTDOWN VALVE	107	B	
SDV-103	STATION OUTLET SHUTDOWN VALVE	108	B	
SDV-106	V-101 LIQUID OUTLET SHUTDOWN VALVE	102	I	
SDV-141	Analyzer sample inlet shutoff at B-101 wall, solenoid, NC, fail closed	104	I	
SDV-165	FUEL GAS SHUTOFF, HEATER SUPPLY	106	B	
SK-110	METER SKID (WITH SUNSHADE CANOPY)	103	B	
SMP-146	COMPOSITE SAMPLER (API 14.1)	104	B	
SP-141	Pressure-reducing insertion sample probe	103	B	
T-101	LIQUIDS TANK	110	B	
TCV-152	BURNER FIRING-RATE VALVE	112	B	
TI-151A	H-101 bath local thermometer	105	I	

 TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets		Source
TI-161C	Fuel gas temperature downstream of PCV-161	106	I	
TIC-135	Control valve outlet temperature master, cascade to TIC-152	107	I	
TIC-152	H-101 gas outlet temperature controller (cascade from TIC-135)	105	B	
TIC-161A	E-161 integral outlet temperature controller, SP 105 F	106	I	
TSH-161B	E-161 high element temperature cutout, manual reset	106, 113	I	
TSHH-155	H-101 high-high bath temperature 205 F (BMS trip)	105	B	
TSV-136	Thermal relief, blocked-in section SDV-102 to SDV-103	107, 109	B	
TT-101	Station inlet temperature	101	B	
TT-111	Run 1 temperature, 2 to 5 D downstream of meter	103	B	
TT-121	Run 2 temperature, 2 to 5 D downstream of meter	103	B	
TT-135	Control valve outlet temperature (hydrate monitoring, heater cascade)	107	B	
TT-151	H-101 bath temperature	105	B	
TT-156	Heater gas outlet temperature, PV of TIC-152, TAHH 140 F burner trip	105	B	
TT-173	Station outlet temperature	108, 113	B	
TT-208A	B-101 shelter temperature	113	I	
TW-101	Station inlet thermowell	101	B	
TW-111	Run 1 thermowell	103	B	
TW-112	Run 1 test thermowell	103	B	
TW-121	Run 2 thermowell	103	B	
TW-122	Run 2 test thermowell	103	B	
TW-135	Control valve outlet thermowell	107	B	
TW-156	Heater gas outlet thermowell	105	B	
TW-161C	Thermowell for TI-161C	106	I	
TW-173	Station outlet thermowell	108	B	
TY-156	TT-156 high-high trip relay, RTU DO hardwired to BMS-150 (140 F)	105	I	
V-101	INLET FILTER SEPARATOR, HORIZONTAL TWO-STAGE	102	B	
VS-101	VENT STACK	109	B	
XA-161	E-161 controller common alarm (low outlet temperature / fault / power off)	106, 113	I	
XA-210	UPS common alarm	113	B	
XI-102	Pig passage signaler at PR-101 barrel	101	B	
XS-209	Utility power failure / ATS position	113	B	
XS-212	B-102 smoke detector	111	I	
XV-150A	H-101 main burner safety shutoff valve 1, fail closed	112	I	
XV-150B	H-101 main burner safety shutoff valve 2, fail closed	112	I	
XV-150C	H-101 pilot safety shutoff valve, fail closed	112	I	
XY-103Q	BPCS close request to SDV-103 (gas quality shut-in), RTU DO hardwired to SIS	108, 113	I	
XY-214	B-101 / B-102 area beacon and horn	111	I	
ZS-211	Gate / building intrusion	113	B	
ZSC-101	SDV-101 closed limit switch	101	B	
ZSC-102	SDV-102 closed limit switch	107	B	



 TORUS	· Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101	
		Revision / Date	A · September 29, 2026	
		Issue purpose	Issued for Review	
PROCESS · P&ID LINE AND TAG REGISTER				
Tag	Description	P&ID sheets		Source
ZSC-103	SDV-103 closed limit switch	108	B	
ZSC-106	SDV-106 closed limit switch	102	I	
ZSC-158C	HV-158C bypass closed position switch (I-14)	105	I	
ZSC-165	SDV-165 closed limit switch	106	I	
ZSL-152	TCV-152 low-fire position switch to BMS-150 (low-fire start)	112	I	
ZSO-101	SDV-101 open limit switch	101	B	
ZSO-102	SDV-102 open limit switch	107	B	
ZSO-103	SDV-103 open limit switch	108	B	
ZSO-103C	HV-103C not-closed position switch to RTU	102, 113	I	
ZSO-131A	HV-131A open position switch (FCV switchover permissive)	107, 113	I	
ZSO-131B	HV-131B open position switch (FCV switchover permissive)	107, 113	I	
ZSO-132A	HV-132A open position switch (FCV switchover permissive)	107, 113	I	
ZSO-132B	HV-132B open position switch (FCV switchover permissive)	107, 113	I	
ZSO-158C	HV-158C bypass open position switch (heater mode, I-14)	105, 113	I	
ZT-104	LCV-104 position feedback (integral)	102	I	
ZT-131	FCV-131 position feedback	107, 113	B	
ZT-132	FCV-132 position feedback	107, 113	B	
ZT-152	TCV-152 position feedback	112	I	

CROSS-CHECKS

Table 3: Basis Tags Not Shown on the P&IDs

Tag	Reason
B-102	Control and electrical building; referenced as the location of the RTU, safety PLC and FQI-110, not a process item. Shown on the plot plan and electrical drawings.
XF-101	Utility-owned pad-mount transformer; electrical one-line (Volume 6), no process connection.
BE-153	Split into two diverse flame detectors, BE-153A (flame rod) and BE-153B (UV), voting 1oo2; both shown on PRO-DWG-112.

Table 4: Instrument Index Tags Not Shown on the P&IDs

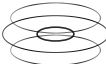
Tag	Reason
None	

Note 1: P&ID tags that are in neither the basis register nor the instrument index: EF-101A, EF-101B.

Table 5: Open Items (HOLD) Shown on the P&IDs

Sheet	HOLD items
PRO-DWG-101	H-16
PRO-DWG-102	H-15
PRO-DWG-103	H-01, H-14
PRO-DWG-104	H-13
PRO-DWG-112	H-15
PRO-DWG-106	H-15



 TORUS	Owner P&ID LINE AND TAG REGISTER	Document No.	PRO-LST-101
		Revision / Date	A · September 29, 2026
		Issue purpose	Issued for Review
PROCESS · P&ID LINE AND TAG REGISTER			
Sheet		HOLD items	
PRO-DWG-107		H-04	
PRO-DWG-108		H-04	
PRO-DWG-110		H-12, H-20	
PRO-DWG-111		H-04	
PRO-DWG-113		H-13	