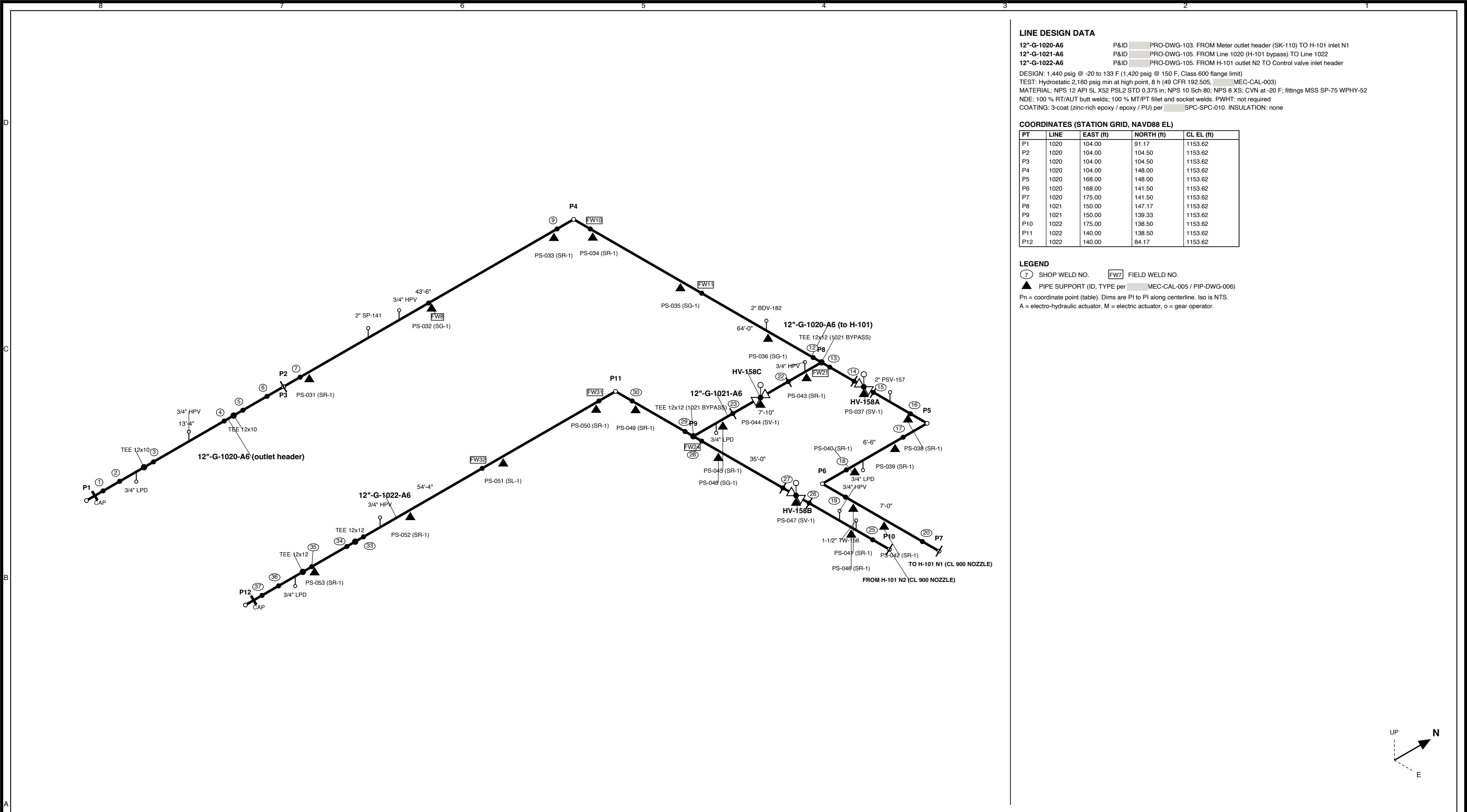




LINE DESIGN DATA

12"-G-1020-A6 P&ID PRO-DWG-103. FROM Meter outlet header (SK-110) TO H-101 inlet N1
12"-G-1021-A6 P&ID PRO-DWG-105. FROM Line 1020 (H-101 bypass) TO Line 1022
12"-G-1022-A6 P&ID PRO-DWG-105. FROM H-101 outlet N2 TO Control valve inlet header

DESIGN: 1,440 psig @ -20 to 133 F (1,420 psig @ 150 F, Class 600 flange limit)
TEST: Hydrostatic 2,160 psig min at high point, 8 h (49 CFR 192.505, MEC-CAL-003)
MATERIAL: NPS 12 API 5L X52 PSL2 STD 0.375 in; NPS 10 Sch 80; NPS 8 XS; CVN at -20 F; fittings MSS SP-75 WPHY-52
NDE: 100 % RT/AUT butt welds; 100 % MT/PT fillet and socket welds. PWHT: not required
COATING: 3-coat (zinc-rich epoxy / epoxy / PU) per SPC-SPC-010. INSULATION: none

COORDINATES (STATION GRID, NAVD88 EL)

PT	LINE	EAST (ft)	NORTH (ft)	CL EL (ft)
P1	1020	104.00	91.17	1153.62
P2	1020	104.00	104.50	1153.62
P3	1020	104.00	104.50	1153.62
P4	1020	104.00	148.00	1153.62
P5	1020	168.00	148.00	1153.62
P6	1020	168.00	141.50	1153.62
P7	1020	175.00	141.50	1153.62
P8	1021	150.00	147.17	1153.62
P9	1021	150.00	139.33	1153.62
P10	1022	175.00	138.50	1153.62
P11	1022	140.00	138.50	1153.62
P12	1022	140.00	84.17	1153.62

LEGEND

7 SHOP WELD NO. FW7 FIELD WELD NO.
PIPE SUPPORT (ID, TYPE per MEC-CAL-005 / PIP-DWG-006)
Pn = coordinate point (table). Dims are P1 to P1 along centerline. Iso is NTS.
A = electro-hydraulic actuator, M = electric actuator, o = gear operator.

NOTES / REFERENCES
1. DIMENSIONS IN FEET-INCHES; COORDINATES IN FEET ON STATION GRID (MEC-DWG-001).
2. CUT LENGTHS, WELD LIST AND BILL OF MATERIALS ON SHEET 2.
3. FIELD-VERIFY ALL TIE-IN AND EQUIPMENT NOZZLE DIMENSIONS (VENDOR DATA HOLD H-15).
4. BALL VALVES HALF OPEN DURING HYDROTEST; SEE MEC-CAL-003 FOR TEST LIMITS.
5. FLANGE BOLT TORQUE PER MEC-CAL-006. GASKETS SPIRAL-WOUND 316/GRAPHITE.
6. SUPPORTS AND LOADS PER MEC-CAL-005; DETAILS PIP-DWG-006.
REF: PIP-DWG-001 GA
REF: PIP-SPC-001 (A6)

REVISIONS				
REV	DATE	DESCRIPTION	BY	CHK APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)		
PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION				

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO

COUNTY,

DISCIPLINE: PIPING
SCALE: NTS

ISOMETRIC LINES 1020 / 1021 / 1022
SK-110 OUTLET, H-101 IN / OUT AND BYPASS

DRAWN: ____ CHECKED: ____ APPROVED: ____

DWG NO.
PIP-DWG-012

SHEET 1 OF 2 REV A