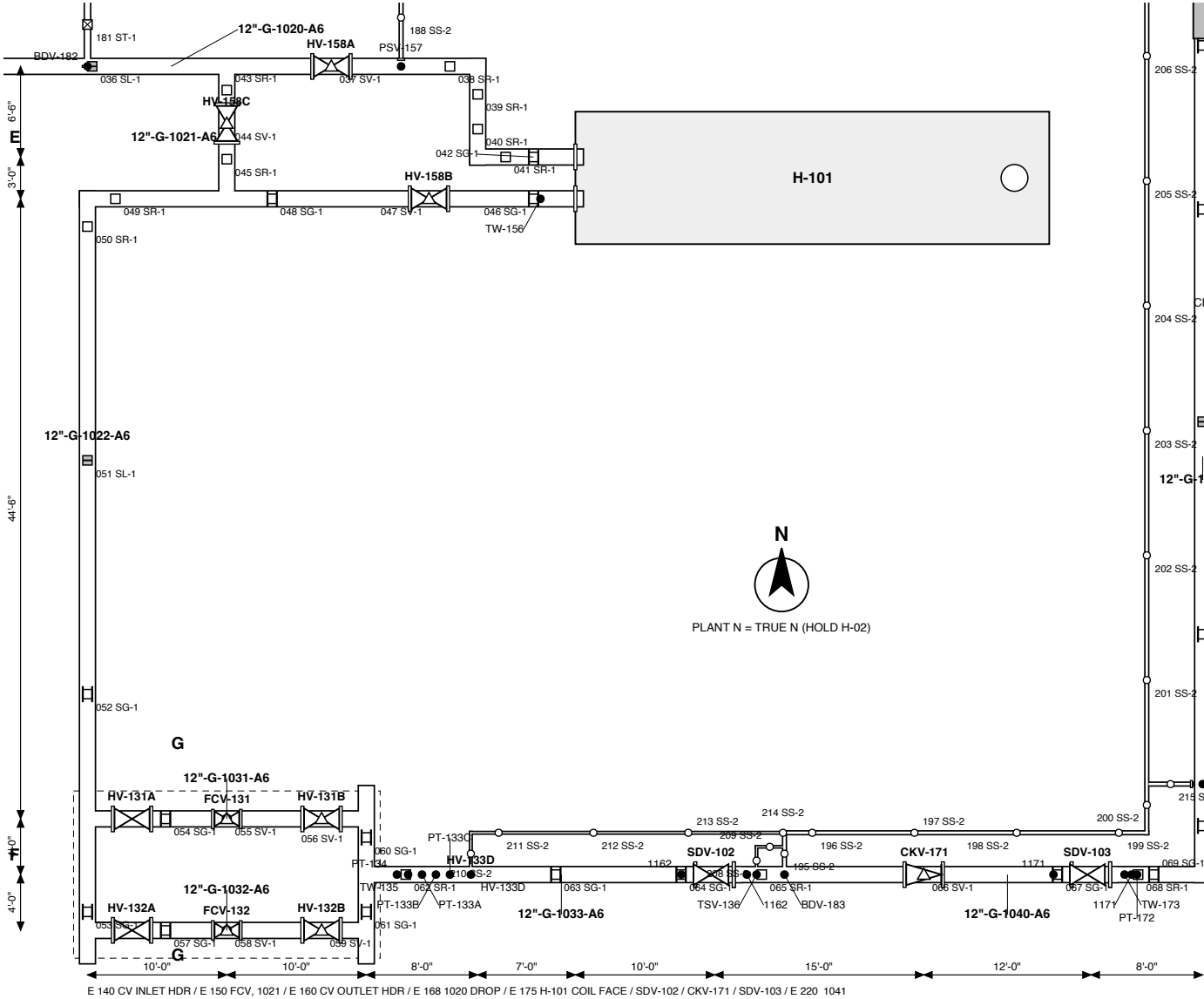
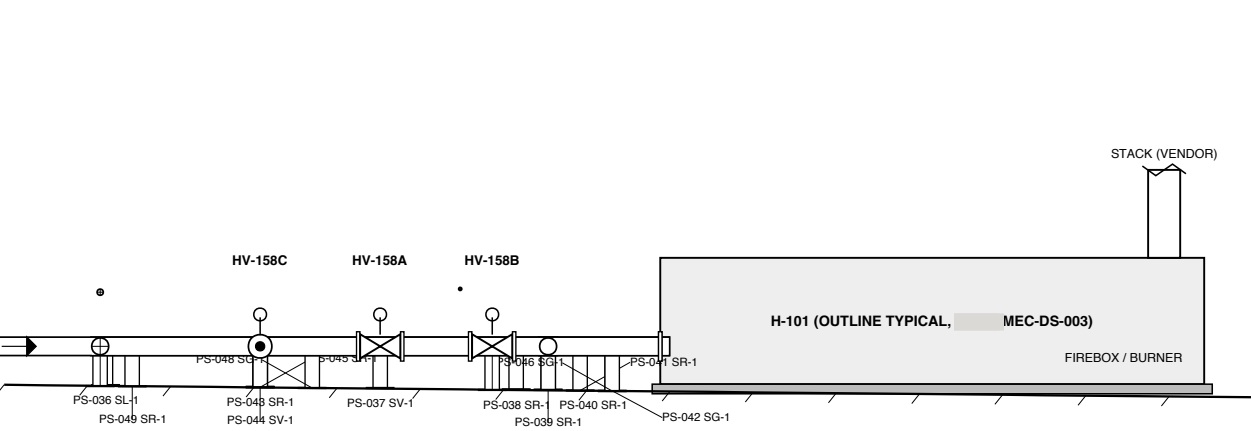


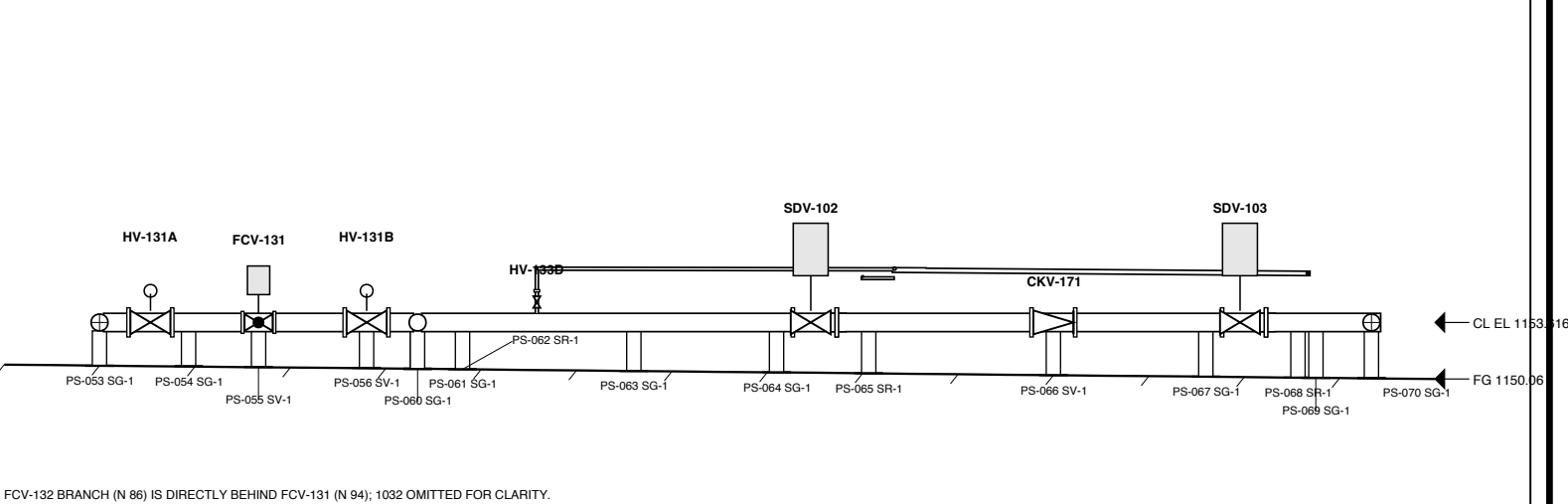
PLAN D: HEATER AND CONTROL VALVE AREA (1 IN = 12 FT)



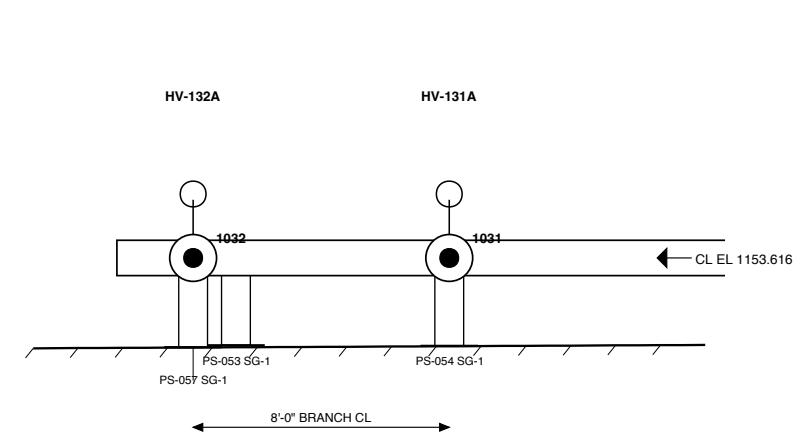
ELEVATION E-E: LOOKING NORTH AT H-101 (1 IN = 12 FT)



ELEVATION F-F: LOOKING NORTH AT N 84-96, CV STATION TO 1041 (1 IN = 12 FT)



SECTION G-G: LOOKING EAST AT E 147 (INLET HEADER BEYOND) (1 IN = 6 FT)



DESIGN DATA AND NOTES

- 1020 / 1021 / 1022 / 1031 / 1032 / 1033 / 1040 / 1041: 12 IN STD 0.375 X52 (8 IN XS 0.500 FOR FCV BRANCHES), CLASS 600 RF, SPEC A6. CL EL 1153.616 (LEVEL LE). H-101 COIL NOZZLES CLASS 900 RF WITH CLASS 900 COMPANION FLANGES ON 1020 / 1022 (MEC-CAL-006, DS-003). HV-158A/B/C 12 IN CL 600 FULL-BORE BALL, GEAR.
- FCV-131/132 NPS 8 CL 600 GLOBE, LOW-NOISE TRIM, ELECTRIC ACTUATOR; 12x8 CONCENTRIC REDUCERS EACH SIDE. REMOVAL CLEARANCE ABOVE ACTUATORS 4 FT MIN; HV-13X/A/B ISOLATE FOR MAINTENANCE.
- SDV-102 (OPSS) AND SDV-103: 12 IN CL 600 FULL-BORE BALL, ELECTRO-HYDRAULIC SPRING RETURN, VALVE STANDS SV-1. CKV-171 PIGGABLE CHECK, FLOW EAST. 1041 BEND AT E 220 IS 3R; U-102 AT N 150-155 (PIP-DWG-004).
- PSV-157 ON 1020 BETWEEN HV-158A AND THE COIL; BDV-182 ON 1020 UPSTREAM OF THE BYPASS TEE; BDV-183 AND TSV-136 ON 1040; HV-133D ON 1033. VENT LINES SLOPE CONTINUOUSLY TO HEADER 1070 (NO POCKETS).
- SUPPORT TAGS: PS NUMBER AND TYPE; LOADS AND TOP-OF-SUPPORT ELEVATIONS IN MEC-CAL-005.
- H-101 OUTLINE, NOZZLE LOCATIONS AND STACK ARE TYPICAL; CONFIRM WITH VENDOR (HOLD H-15). NOZZLE LOADS PER MEC-CAL-004. KEEP 3 FT CLEAR ACCESS AROUND THE HEATER AND THE FIREBOX END FOR BURNER SERVICE.
- BYPASS 1021 (HV-158C) IS THE SUMMER LINE-UP; NEVER CLOSE HV-158A AND HV-158B WITH THE BURNER FIRING.

NOTES / REFERENCES

- PLAN D, ELEVATIONS E-E / F-F AT 1 IN = 12 FT; SECTION G-G AT 1 IN = 6 FT.
 - ELEVATIONS NAVD88; GRADE PER CIVIL SLOPED PAD. DIMENSIONS FT-IN FROM MODEL.
 - ACTUATOR AND HANDWHEEL OUTLINES TYPICAL (HOLD H-15).
- REF: PRO-DWG-105, -107, -108
REF: PIP-DWG-001 GA
REF: PIP-DWG-012-013-014
REF: MEC-DS-003

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: 1 IN = 12 FT

PIPING SECTIONS AND ELEVATIONS

LINE HEATER H-101 AND CONTROL VALVE AREA
DRAWN: ____ CHECKED: ____ APPROVED: ____
DWG NO. _____
PIP-DWG-003
SHEET 1 OF 1 REV A