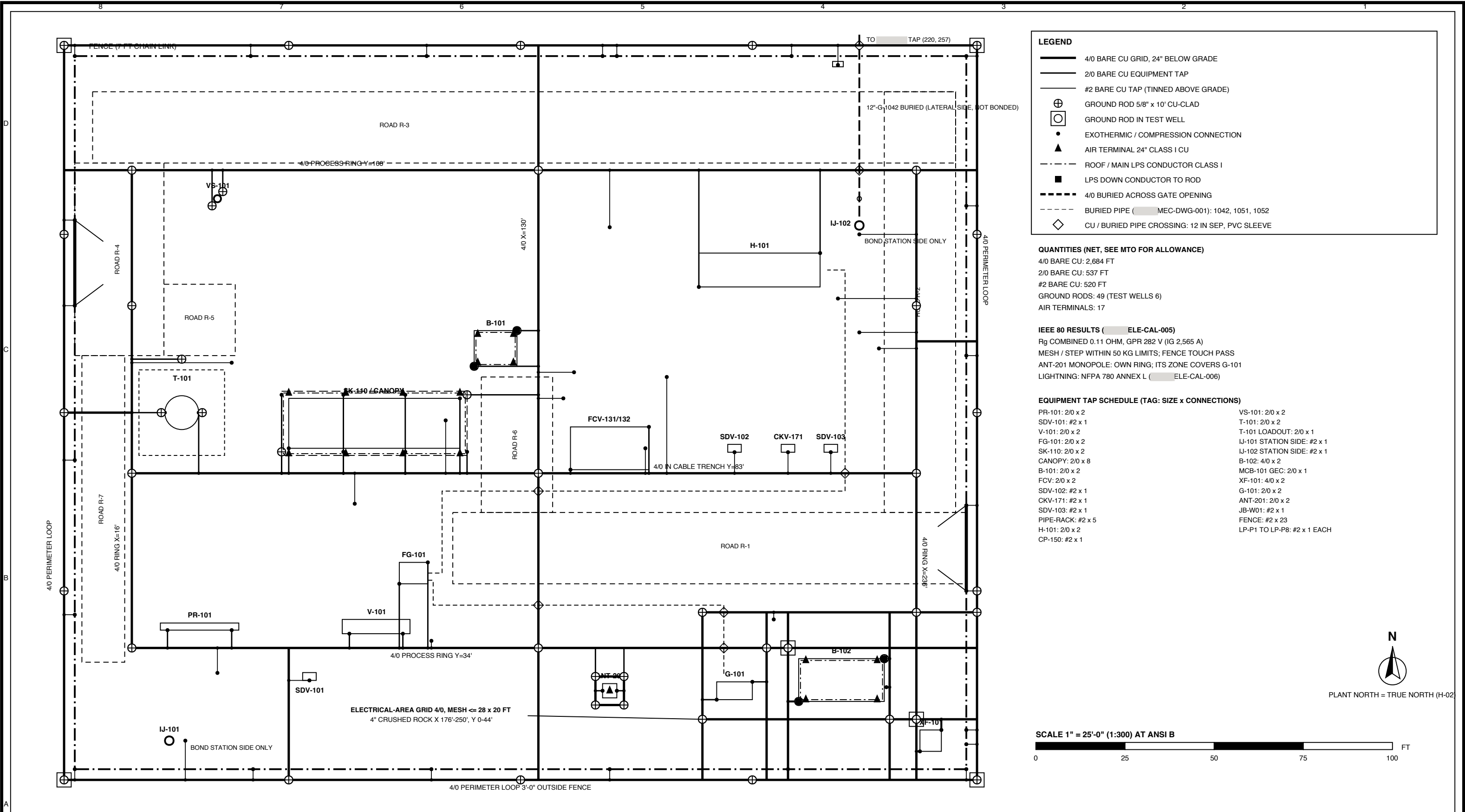




LEGEND

4/0 BARE CU GRID, 24" BELOW GRADE

2/0 BARE CU EQUIPMENT TAP

#2 BARE CU TAP (TINNED ABOVE GRADE)

GROUND ROD 5/8" x 10' CU-CLAD

GROUND ROD IN TEST WELL

EXOTHERMIC / COMPRESSION CONNECTION

AIR TERMINAL 24" CLASS I CU

ROOF / MAIN LPS CONDUCTOR CLASS I

LPS DOWN CONDUCTOR TO ROD

4/0 BURIED ACROSS GATE OPENING

BURIED PIPE (MEC-DWG-001): 1042, 1051, 1052

CU / BURIED PIPE CROSSING: 12 IN SEP, PVC SLEEVE

QUANTITIES (NET, SEE MTO FOR ALLOWANCE)

4/0 BARE CU: 2,684 FT

2/0 BARE CU: 537 FT

#2 BARE CU: 520 FT

GROUND RODS: 49 (TEST WELLS 6)

AIR TERMINALS: 17

IEEE 80 RESULTS (ELE-CAL-005)

Rg COMBINED 0.11 OHM, GPR 282 V (IG 2,565 A)

MESH / STEP WITHIN 50 KG LIMITS; FENCE TOUCH PASS

ANT-201 MONOPOLE: OWN RING; ITS ZONE COVERS G-101

LIGHTNING: NFPA 780 ANNEX L (ELE-CAL-006)

EQUIPMENT TAP SCHEDULE (TAG: SIZE x CONNECTIONS)

PR-101: 2/0 x 2	VS-101: 2/0 x 2
SDV-101: #2 x 1	T-101: 2/0 x 2
V-101: 2/0 x 2	T-101 LOADOUT: 2/0 x 1
FG-101: 2/0 x 2	IJ-101 STATION SIDE: #2 x 1
SK-110: 2/0 x 2	IJ-102 STATION SIDE: #2 x 1
CANOPY: 2/0 x 8	B-102: 4/0 x 2
B-101: 2/0 x 2	MCB-101 GEC: 2/0 x 1
FCV: 2/0 x 2	XF-101: 4/0 x 2
SDV-102: #2 x 1	G-101: 2/0 x 2
CKV-171: #2 x 1	ANT-201: 2/0 x 2
SDV-103: #2 x 1	JB-W01: #2 x 1
PIPE-RACK: #2 x 5	FENCE: #2 x 23
H-101: 2/0 x 2	LP-P1 TO LP-P8: #2 x 1 EACH
CP-150: #2 x 1	

SCALE 1" = 25'-0" (1:300) AT ANSI B

0255075100

FT

N

PLANT NORTH = TRUE NORTH (H-02)

NOTES / REFERENCES

1. GRID: BARE STRANDED CU 24 IN BELOW GRADE; BURIED JOINTS EXOTHERMIC (DWG-007).

2. FENCE POSTS (<= 50 FT) BONDED #2 TO LOOP; GATE LEAVES FLEXIBLE BRAID JUMPERS.

3. GROUND STATION SIDE OF IJ-101/102 ONLY; NOTHING MAY BRIDGE AN IJ (CP-DWG-002).

4. G-101 NOT SEPARATELY DERIVED; N-G BOND AT MCB-101 ONLY. XF-101 BY UTILITY.

5. T-101 LOADOUT STATIC GROUND MONITOR (NFPA 77). VS-101/T-101/H-101 SELF-PROT.

6. SOIL (H-08) AND FAULT DATA (H-10) ASSUMED. FALL-OF-POTENTIAL TEST <= 1.0 OHM.

REF: ELE-CAL-005, -CAL-006, -DWG-007; CP-DWG-001

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: ELECTRICAL

SCALE: 1" = 25'-0"

GROUNDING AND LIGHTNING PROTECTION PLAN

STATION GROUNDING SYSTEM

DRAWN: _____ CHECKED: _____ APPROVED: _____

DWG NO.
ELE-DWG-004

SHEET 1 OF 1 REV A